

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076676.D
 Acq On : 30 Jun 2023 21:26
 Operator : KP/SY
 Sample : 03472-12RE
 Misc : 4.72G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46S4RE

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Title : SFAM01.0

Signal : TIC: VD076676.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	13	26	45	rBV	924190	1626252	36.47%	3.759%
2	1.887	47	51	61	rVB	148840	190124	4.26%	0.439%
3	2.105	85	88	91	rBV3	2657	3492	0.08%	0.008%
4	2.140	92	94	96	rVV3	2846	2056	0.05%	0.005%
5	2.275	109	117	130	rBV	944736	1456861	32.67%	3.368%
6	2.399	136	138	139	rBV2	3351	2473	0.06%	0.006%
7	2.564	161	166	169	rBV5	6243	9385	0.21%	0.022%
8	2.728	190	194	198	rVB	6957	8985	0.20%	0.021%
9	2.793	198	205	216	rBV	76470	153034	3.43%	0.354%
10	2.934	224	229	230	rBV2	8616	11195	0.25%	0.026%
11	3.005	239	241	243	rBV2	2485	1846	0.04%	0.004%
12	3.046	245	248	250	rBV3	2719	2900	0.07%	0.007%
13	3.216	273	277	279	rBV3	2503	2974	0.07%	0.007%
14	3.293	284	290	297	rVB3	7874	18663	0.42%	0.043%
15	3.358	300	301	309	rVB2	1756	2197	0.05%	0.005%
16	3.687	347	357	366	rBV2	137415	381071	8.54%	0.881%
17	3.958	384	403	422	rBV3	638350	2334134	52.34%	5.395%
18	4.199	439	444	446	rBV3	1143	1847	0.04%	0.004%
19	4.263	446	455	467	rVB2	32184	93094	2.09%	0.215%
20	4.422	479	482	486	rVB3	1636	2537	0.06%	0.006%
21	4.463	486	489	491	rBV	1462	1890	0.04%	0.004%
22	4.569	501	507	508	rBV2	1161	1781	0.04%	0.004%
23	4.616	511	515	516	rBV2	1565	1776	0.04%	0.004%
24	4.799	537	546	547	rBV3	8571	15826	0.35%	0.037%
25	5.310	620	633	645	rBV6	44646	157470	3.53%	0.364%
26	5.546	669	673	677	rBB2	833	1677	0.04%	0.004%
27	5.834	712	722	736	rVB3	29033	87026	1.95%	0.201%
28	6.110	756	769	784	rVV2	210446	662641	14.86%	1.532%
29	6.293	797	800	804	rVB2	1532	1936	0.04%	0.004%
30	6.381	812	815	818	rBV3	1508	1903	0.04%	0.004%
31	6.605	849	853	864	rVB6	3998	12417	0.28%	0.029%
32	6.757	877	879	880	rVV2	2795	2149	0.05%	0.005%
33	6.781	881	883	891	rVB3	5332	10150	0.23%	0.023%
34	6.899	902	903	907	rVB2	2250	1660	0.04%	0.004%
35	6.981	907	917	923	rBV2	46780	131273	2.94%	0.303%
36	7.075	923	933	950	rVB	1298776	3514360	78.80%	8.124%

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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

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Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Title : SFAM01.0

37	7.222	956	958	963	rVB4	2167	2987	0.07%	0.007%
38	7.422	988	992	993	rBV3	1452	1976	0.04%	0.005%
39	7.563	1007	1016	1036	rVB	147098	387849	8.70%	0.897%
40	7.793	1042	1055	1075	rBV	1357624	3596200	80.64%	8.313%
41	7.957	1077	1083	1094	rVB3	34533	89352	2.00%	0.207%
42	8.081	1097	1104	1113	rBV2	70120	164198	3.68%	0.380%
43	8.199	1116	1124	1139	rVB2	234018	773769	17.35%	1.789%
44	8.328	1139	1146	1147	rBV	33650	53590	1.20%	0.124%
45	8.410	1152	1160	1172	rVB	520029	1258926	28.23%	2.910%
46	8.634	1190	1198	1208	rVB3	56218	114885	2.58%	0.266%
47	8.775	1213	1222	1237	rBV	296918	618041	13.86%	1.429%
48	8.928	1246	1248	1252	rVB3	2911	3684	0.08%	0.009%
49	9.028	1252	1265	1271	rBV2	351576	728102	16.33%	1.683%
50	9.087	1271	1275	1283	rVB	33317	65961	1.48%	0.152%
51	9.210	1286	1296	1303	rBV	193291	481986	10.81%	1.114%
52	9.328	1311	1316	1324	rVB2	99036	186001	4.17%	0.430%
53	9.404	1324	1329	1334	rBV3	9068	18499	0.41%	0.043%
54	9.446	1334	1336	1337	rBV2	2658	1800	0.04%	0.004%
55	9.522	1342	1349	1350	rBV2	60279	93671	2.10%	0.217%
56	9.693	1372	1378	1386	rVB4	90775	186639	4.19%	0.431%
57	9.846	1394	1404	1408	rBV2	87513	188722	4.23%	0.436%
58	9.904	1408	1414	1417	rBV2	76152	140303	3.15%	0.324%
59	9.981	1423	1427	1431	rVB2	56482	79916	1.79%	0.185%
60	10.046	1431	1438	1442	rBV4	107848	266563	5.98%	0.616%
61	10.157	1452	1457	1460	rBV4	20328	37690	0.85%	0.087%
62	10.269	1468	1476	1480	rBV	569198	1138826	25.54%	2.632%
63	10.393	1492	1497	1500	rBV4	26662	44839	1.01%	0.104%
64	10.457	1500	1508	1514	rVB3	154094	351828	7.89%	0.813%
65	10.522	1514	1519	1524	rBV2	60853	113271	2.54%	0.262%
66	10.575	1524	1528	1529	rBV2	20232	24992	0.56%	0.058%
67	10.610	1529	1534	1543	rVB2	249547	441943	9.91%	1.022%
68	10.704	1544	1550	1556	rBV	214316	430161	9.65%	0.994%
69	10.810	1561	1568	1574	rVV	956524	1696431	38.04%	3.921%
70	10.875	1575	1579	1588	rVB	180885	335545	7.52%	0.776%
71	10.975	1588	1596	1600	rBV6	26167	66062	1.48%	0.153%
72	11.057	1605	1610	1614	rBV	125612	241423	5.41%	0.558%
73	11.128	1618	1622	1626	rVV	199845	334716	7.51%	0.774%
74	11.181	1626	1631	1636	rVV	497049	870336	19.52%	2.012%
75	11.234	1636	1640	1645	rVB2	143914	215766	4.84%	0.499%
76	11.387	1660	1666	1676	rVB	299098	686812	15.40%	1.588%

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 ClientSampleId :
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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

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Sampling : 1

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Stop Thrs : 0

Peak Location: TOP

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 Title : SFAM01.0

77	11.469	1676	1680	1685	rBV3	30532	53551	1.20%	0.124%
78	11.581	1693	1699	1710	rBV	279820	528856	11.86%	1.222%
79	11.716	1717	1722	1726	rBV	207249	341762	7.66%	0.790%
80	11.769	1726	1731	1734	rVV3	138352	252528	5.66%	0.584%
81	11.828	1735	1741	1753	rVB3	323296	1069827	23.99%	2.473%
82	11.987	1763	1768	1778	rVB3	81477	186201	4.18%	0.430%
83	12.092	1778	1786	1793	rBV	442248	1041690	23.36%	2.408%
84	12.257	1809	1814	1816	rBV2	135977	213458	4.79%	0.493%
85	12.292	1816	1820	1825	rVV2	224668	368259	8.26%	0.851%
86	12.510	1854	1857	1862	rVB3	110350	187074	4.19%	0.432%
87	12.575	1863	1868	1872	rVB8	51069	90940	2.04%	0.210%
88	12.651	1875	1881	1888	rBV3	302872	576740	12.93%	1.333%
89	12.740	1892	1896	1902	rVB2	246196	428947	9.62%	0.992%
90	12.828	1903	1911	1916	rBV7	85183	265778	5.96%	0.614%
91	12.904	1918	1924	1929	rVB5	146449	314452	7.05%	0.727%
92	13.040	1943	1947	1952	rVB4	100818	144609	3.24%	0.334%
93	13.128	1958	1962	1970	rVB3	319893	552144	12.38%	1.276%
94	13.257	1981	1984	1989	rBV3	75116	109317	2.45%	0.253%
95	13.828	2075	2081	2088	rBV	2511482	4459650	100.00%	10.309%
96	14.163	2134	2138	2143	rBV5	124335	215719	4.84%	0.499%
97	14.228	2146	2149	2155	rVB4	224080	400249	8.97%	0.925%
98	14.286	2156	2159	2162	rBV4	93418	123456	2.77%	0.285%
99	14.351	2165	2170	2177	rVB4	375466	741496	16.63%	1.714%
100	14.816	2237	2249	2256	rBV6	963180	3149308	70.62%	7.280%

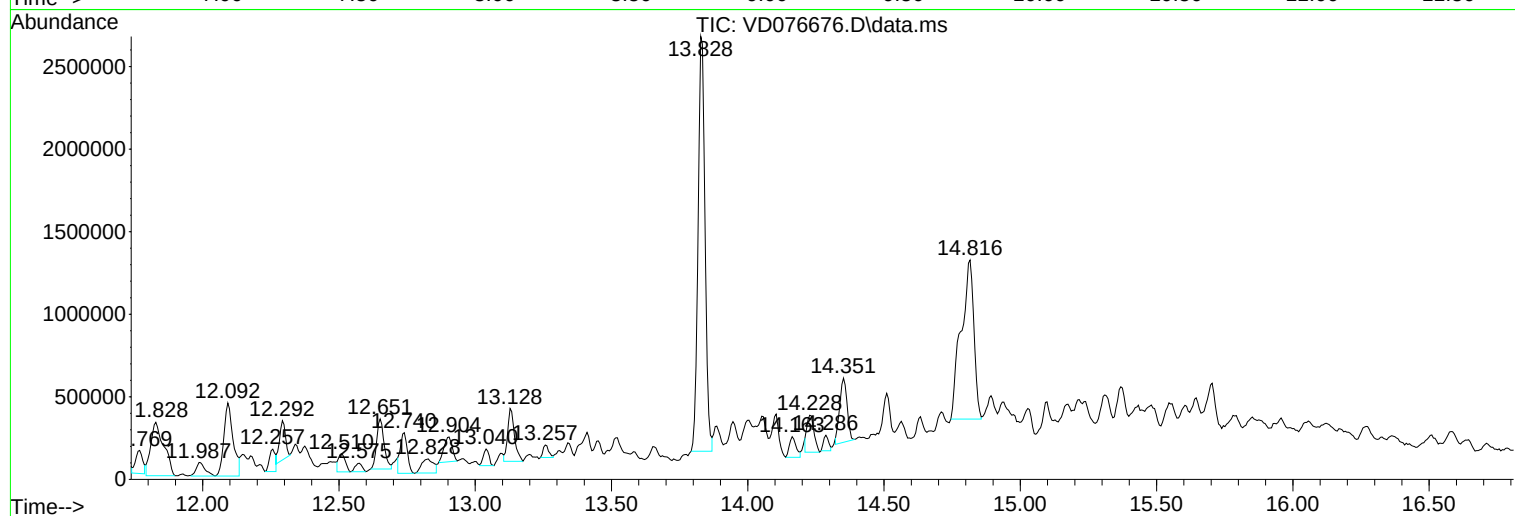
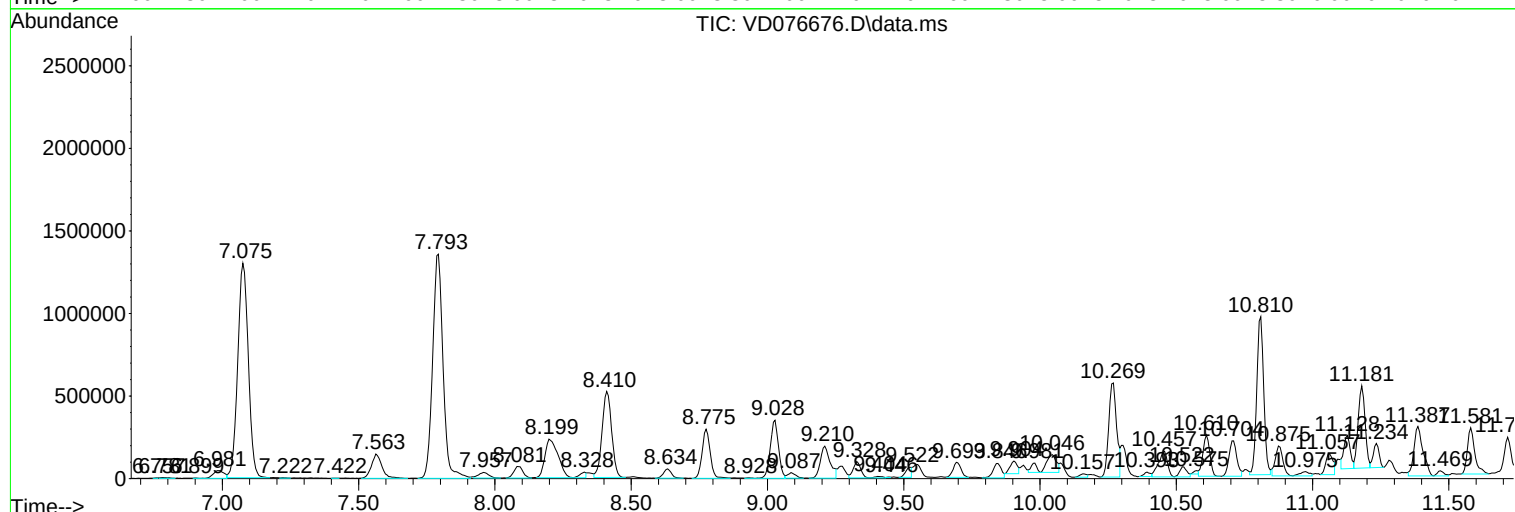
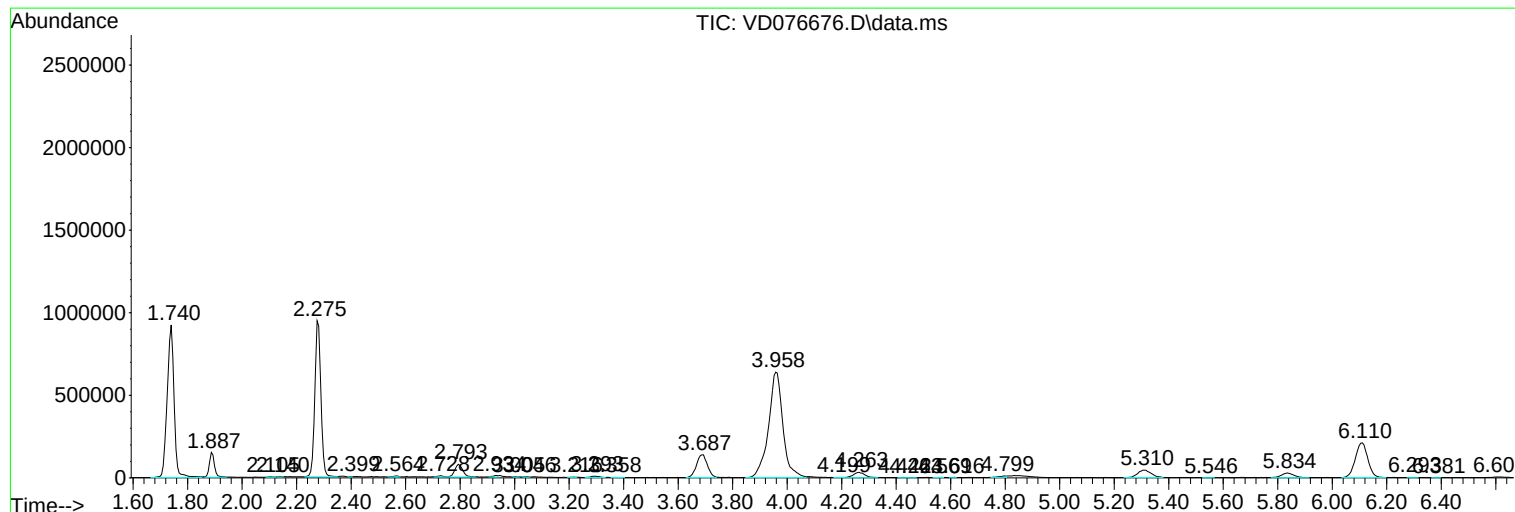
Sum of corrected areas: 43261327

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ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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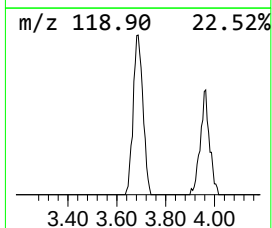
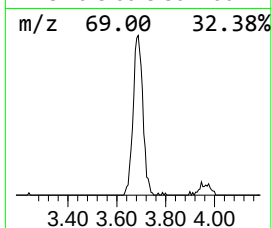
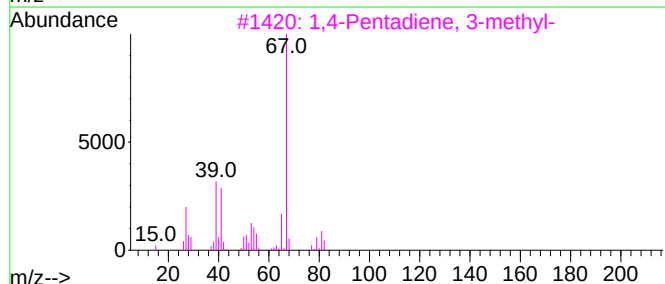
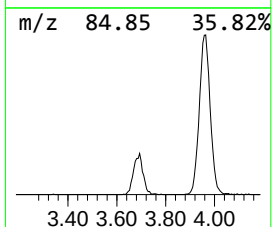
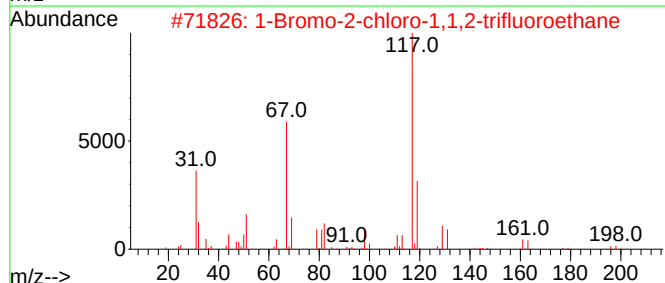
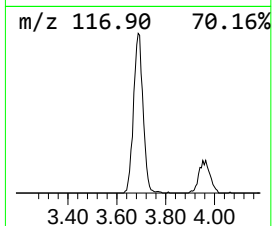
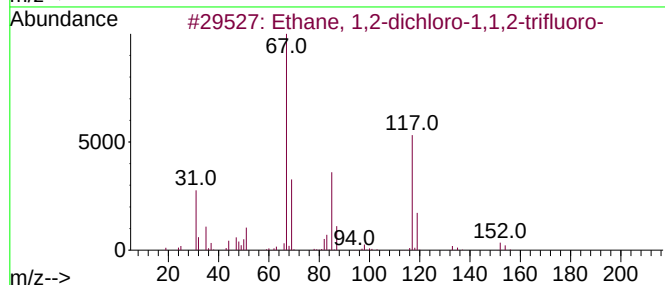
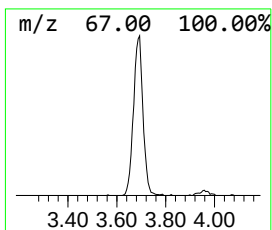
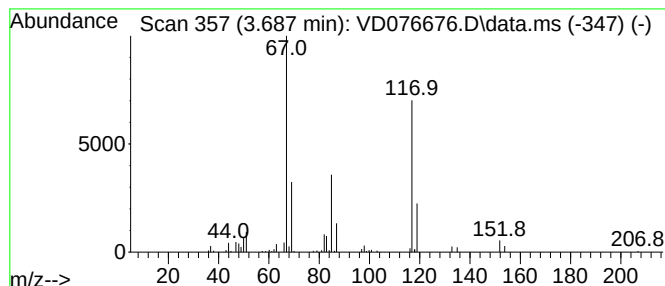
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Ethane, 1,2-dichloro-1,1,2-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.687	15.41 ug/L	381071	1,4-Difluorobenzene	8.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethane, 1,2-dichloro-1,1,2-trifl...	152	C2HCl2F3	000354-23-4	91
2			1-Bromo-2-chloro-1,1,2-trifluoro...	196	C2HBrClF3	000354-06-3	45
3			1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	25
4			Cyclopropane, 1,2-dimethyl-3-met...	82	C6H10	062338-02-7	25
5			Fluorodichloromethane	102	CHCl2F	000075-43-4	23



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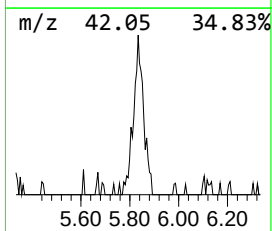
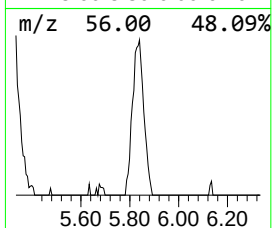
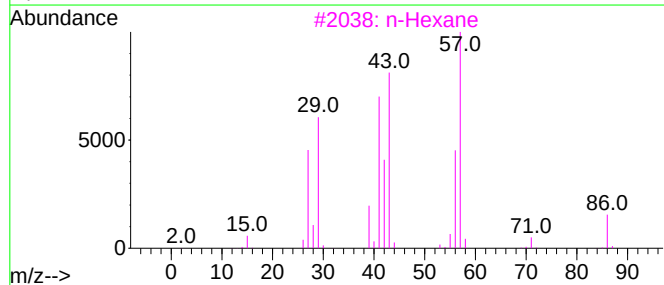
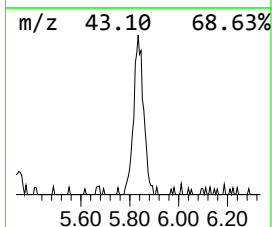
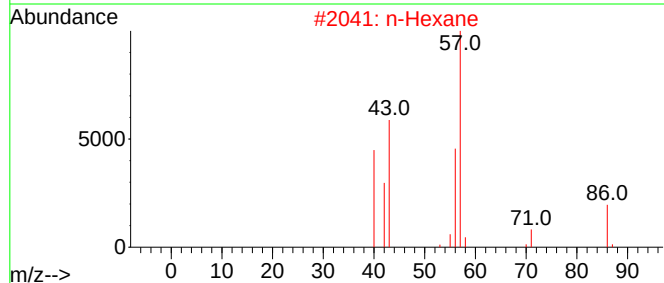
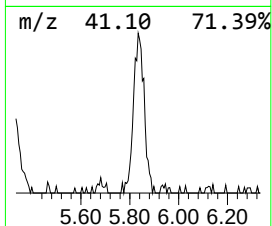
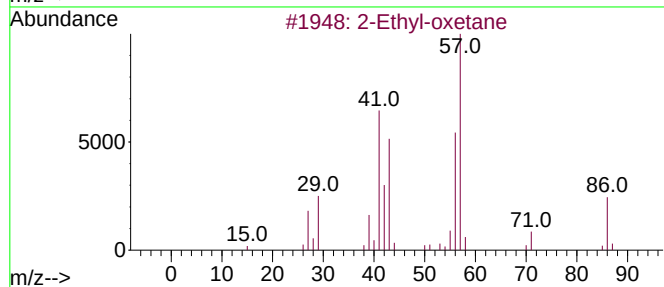
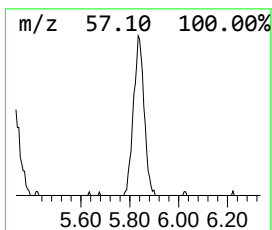
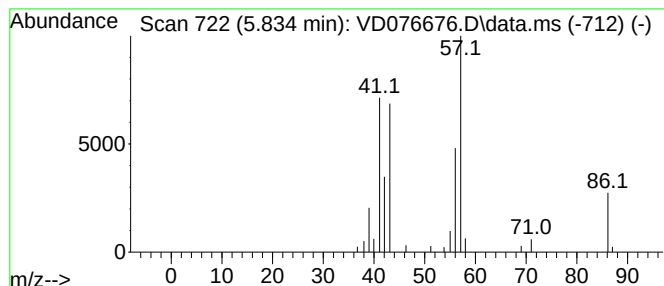
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Ethyl-oxetane Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.834	3.52 ug/L	87026	1,4-Difluorobenzene	8.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Ethyl-oxetane	86	C5H10O	1010386-40-2	90
2			n-Hexane	86	C6H14	000110-54-3	80
3			n-Hexane	86	C6H14	000110-54-3	72
4			n-Hexane	86	C6H14	000110-54-3	56
5			n-Hexane	86	C6H14	000110-54-3	56



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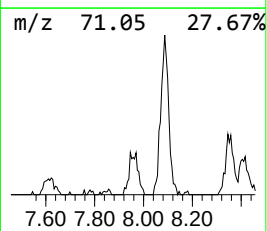
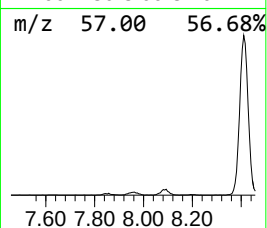
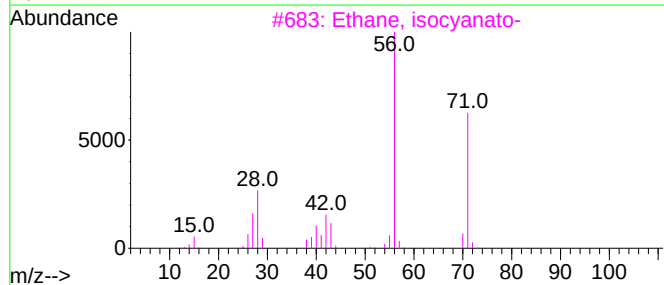
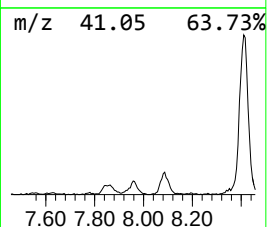
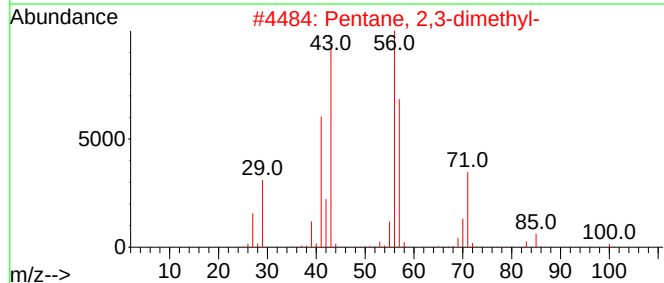
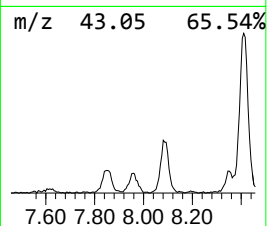
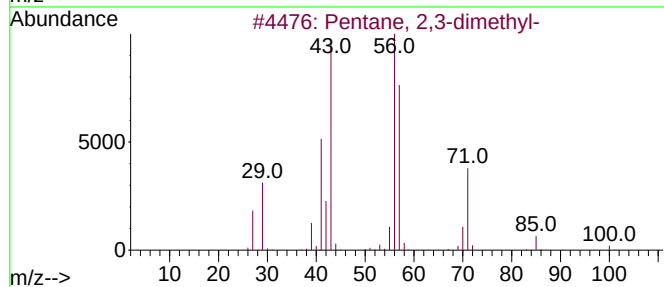
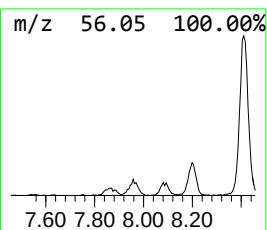
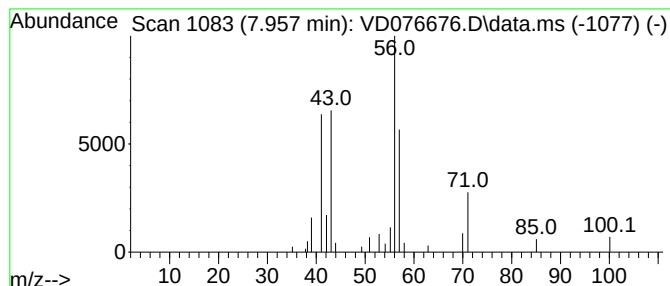
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.957	3.61 ug/L	89352	1,4-Difluorobenzene	8.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
2			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
3			Ethane, isocyanato-	71	C3H5NO	000109-90-0	64
4			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
5			Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	002144-41-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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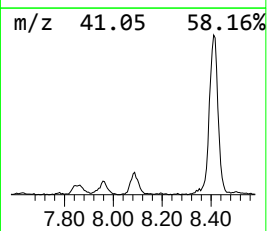
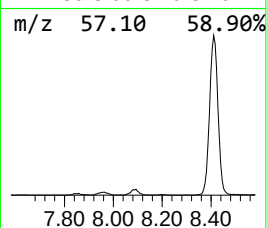
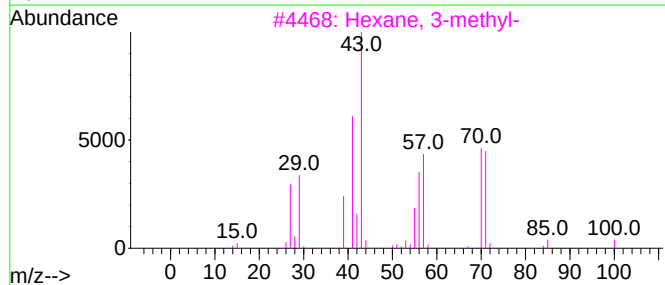
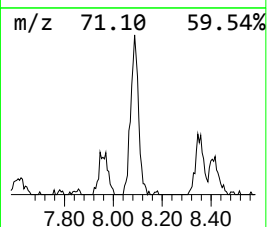
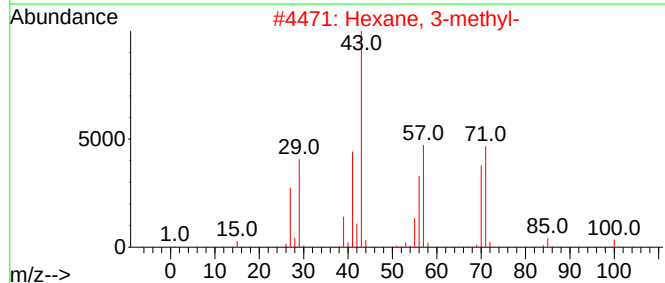
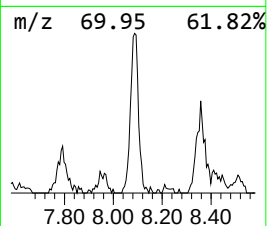
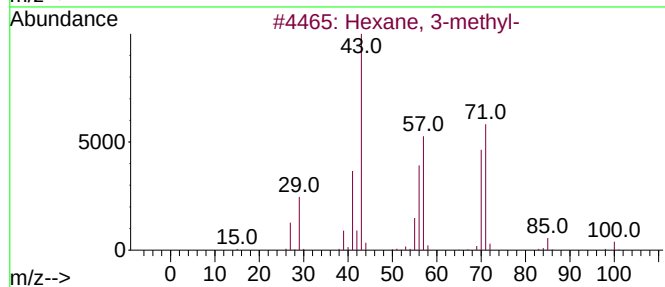
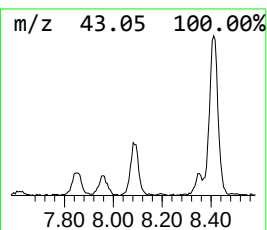
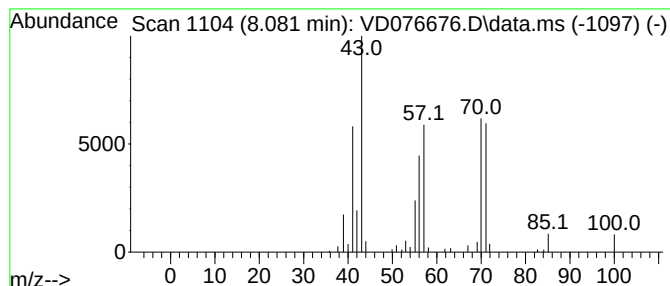
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.081	6.64 ug/L	164198	1,4-Difluorobenzene	8.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-methyl-	100	C7H16	000589-34-4	90
2			Hexane, 3-methyl-	100	C7H16	000589-34-4	87
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4			Heptane	100	C7H16	000142-82-5	80
5			Heptane	100	C7H16	000142-82-5	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

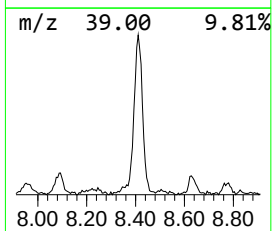
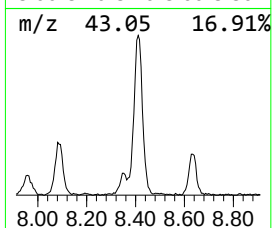
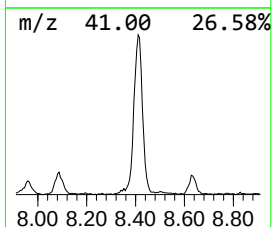
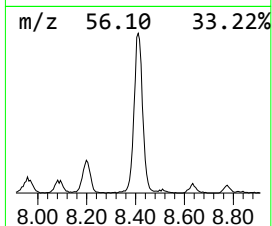
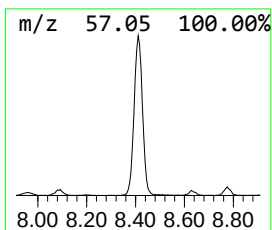
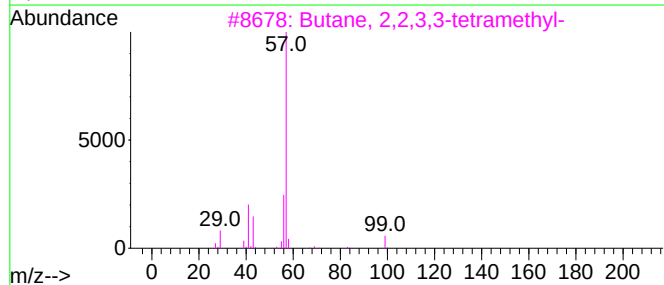
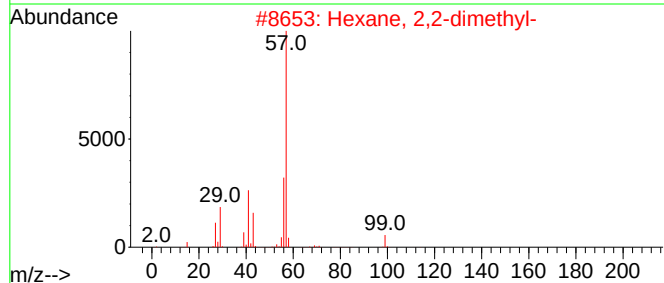
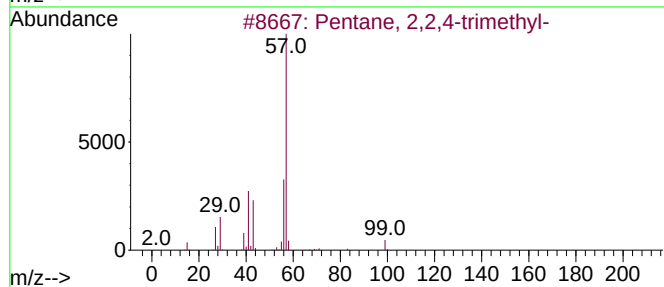
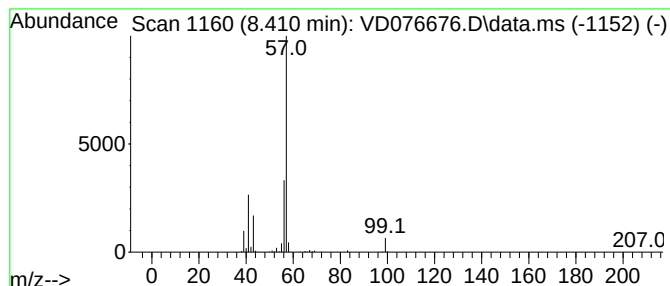
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.410	50.92 ug/L	1258930	1,4-Difluorobenzene	8.775

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
2		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
3		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
4		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
5		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

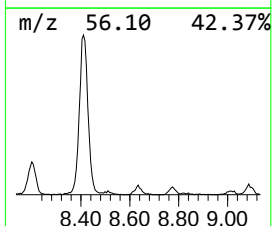
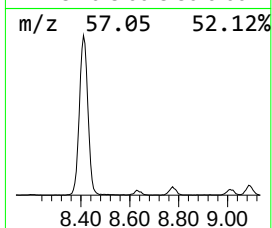
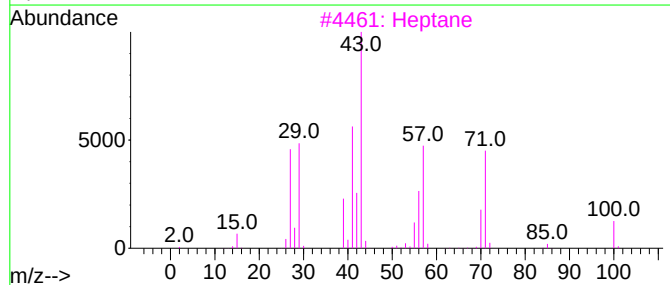
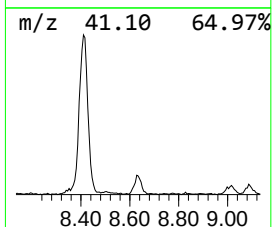
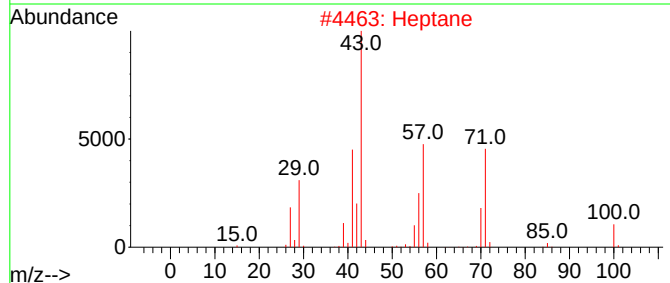
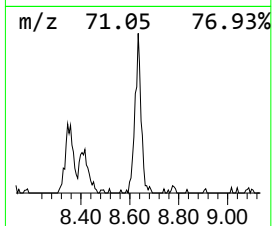
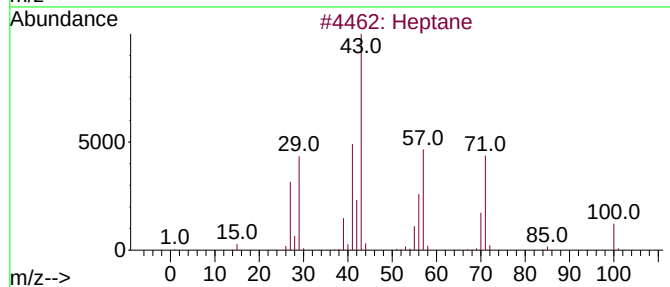
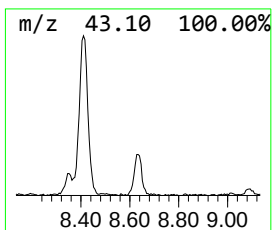
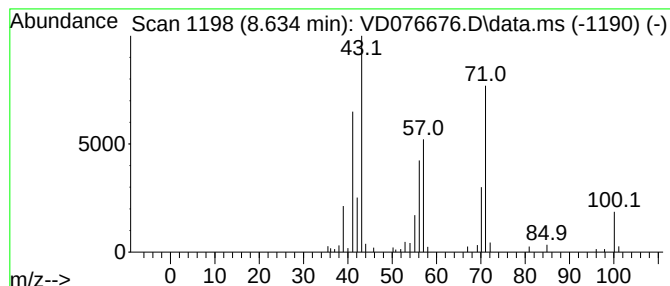
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.634	4.65 ug/L	114885	1,4-Difluorobenzene	8.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane			100	C7H16	000142-82-5	90
2	Heptane			100	C7H16	000142-82-5	86
3	Heptane			100	C7H16	000142-82-5	86
4	Heptane			100	C7H16	000142-82-5	68
5	Hydroxylamine, O-(2-methylpropyl)-			89	C4H11NO	005618-62-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

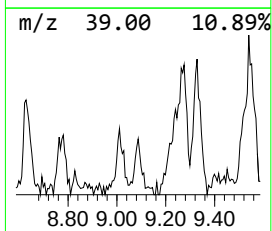
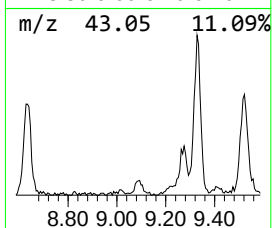
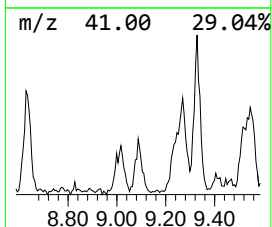
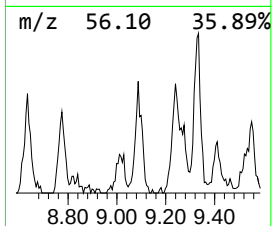
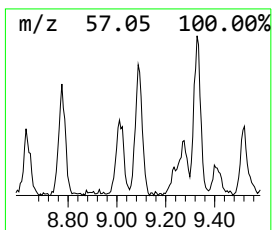
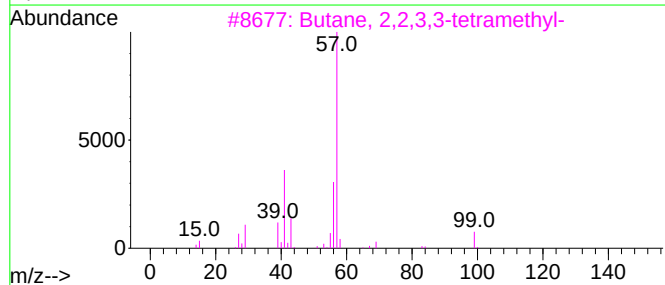
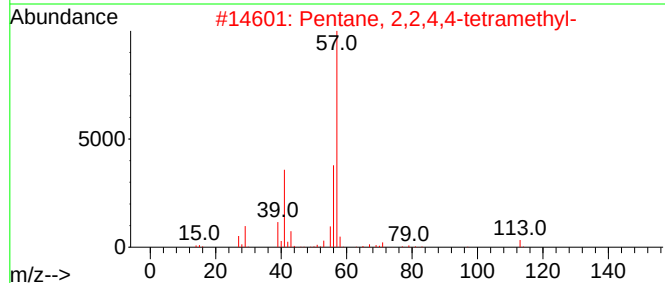
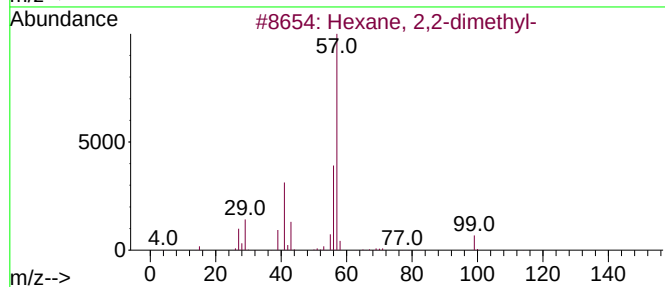
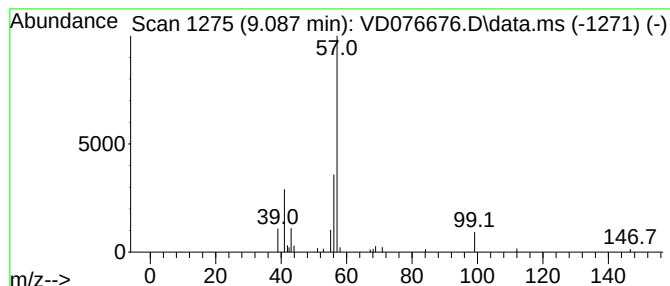
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.087	2.67 ug/L	65961	1,4-Difluorobenzene	8.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	45
2			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	40
3			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	39
4			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	38
5			2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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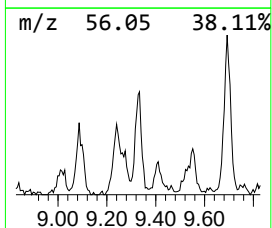
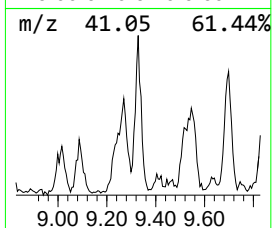
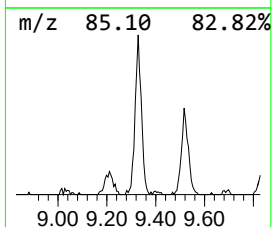
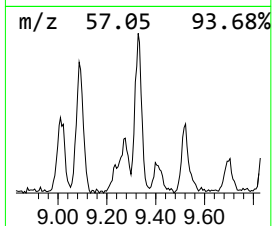
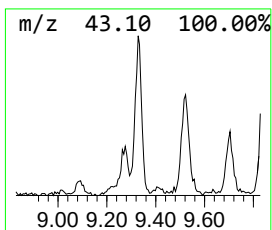
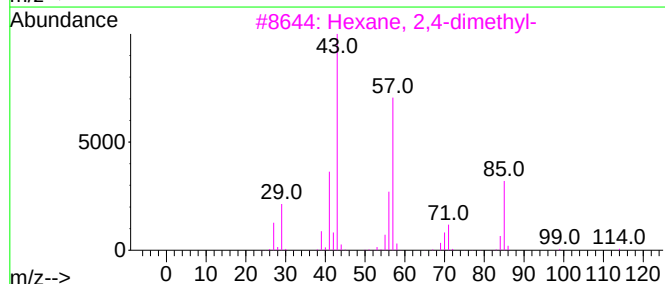
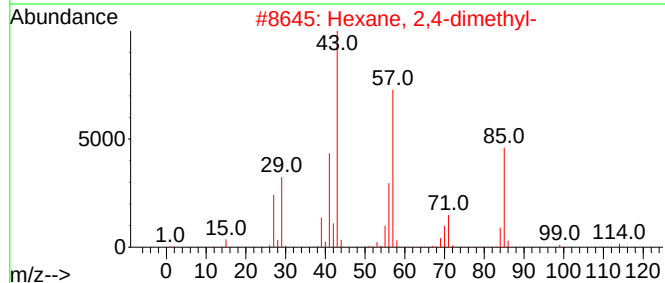
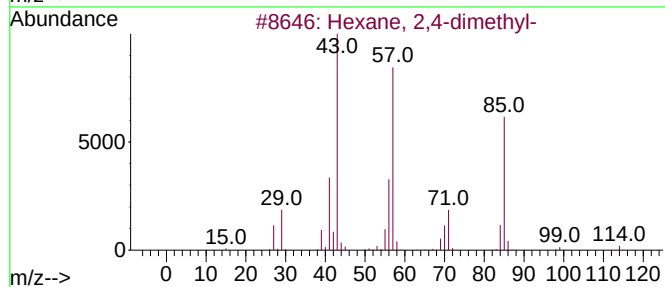
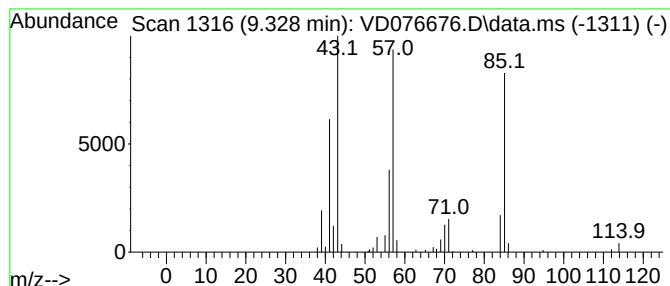
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.328	7.52 ug/L	186001	1,4-Difluorobenzene	8.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
3			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
4			Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	78
5			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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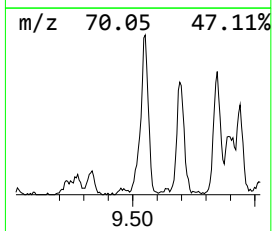
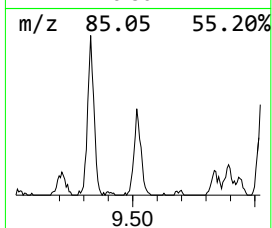
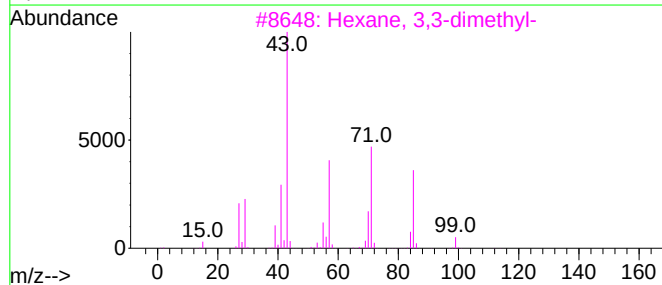
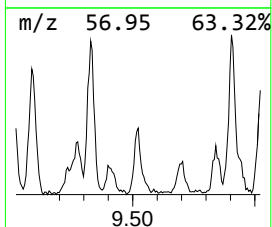
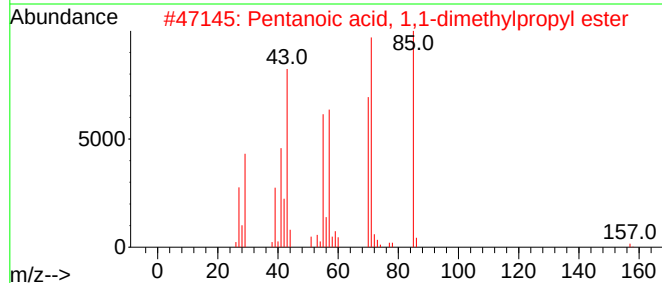
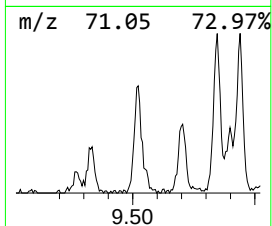
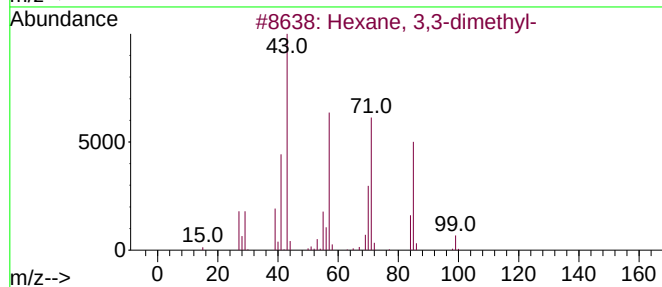
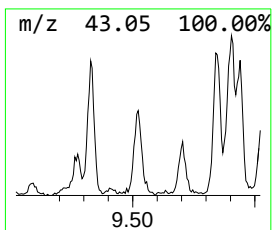
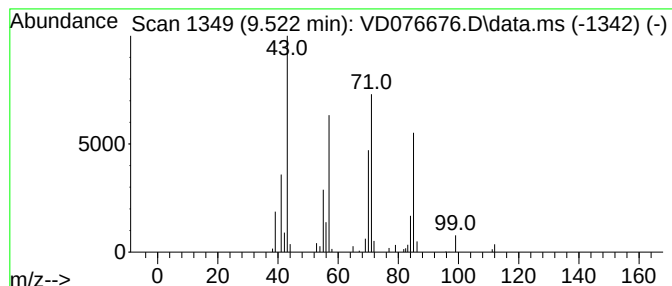
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	3.79 ug/L	93671	1,4-Difluorobenzene	8.775

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	80
2		Pentanoic acid, 1,1-dimethylprop...	172	C10H20O2	117421-32-6	72
3		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
4		Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	59
5		Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

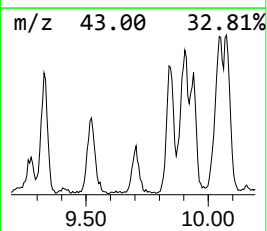
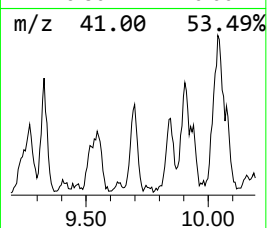
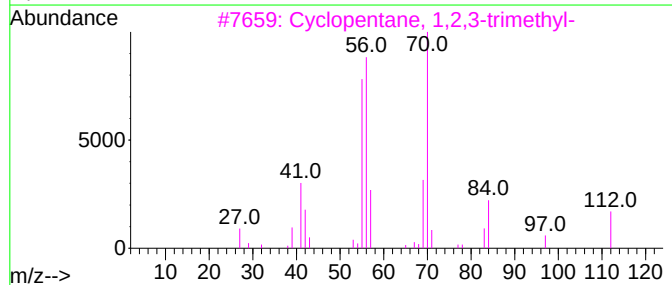
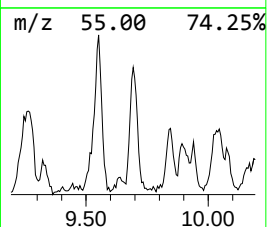
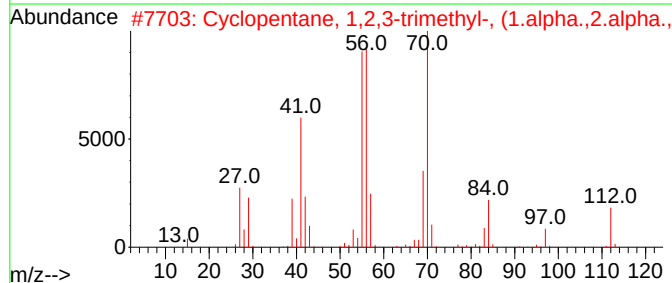
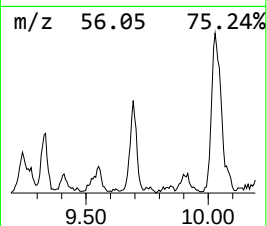
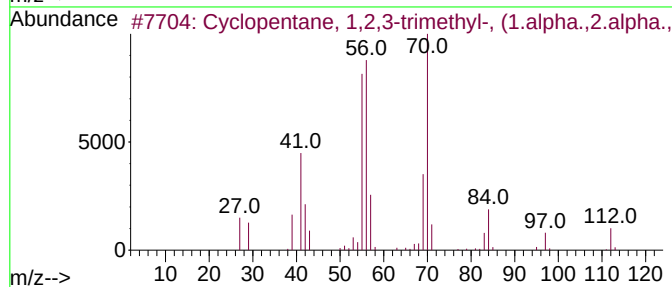
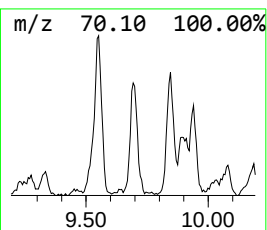
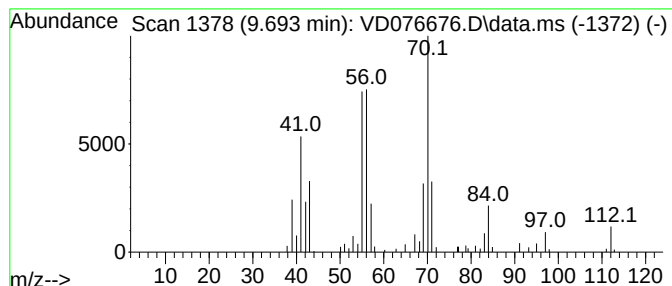
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Cyclic9.693 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.693	7.55 ug/L	186639	1,4-Difluorobenzene	8.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
3			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	83
4			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	52
5			2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

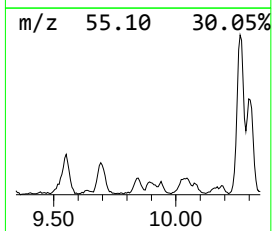
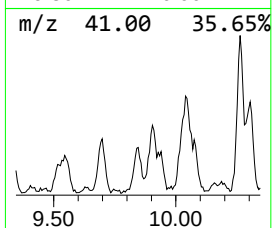
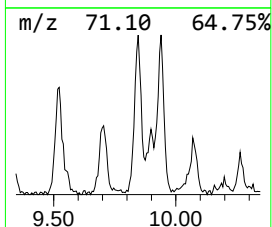
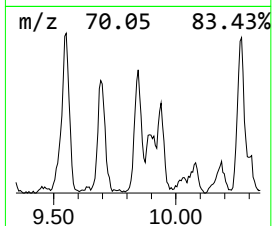
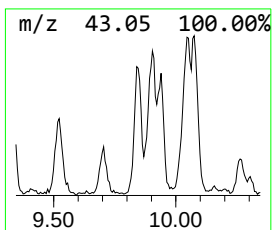
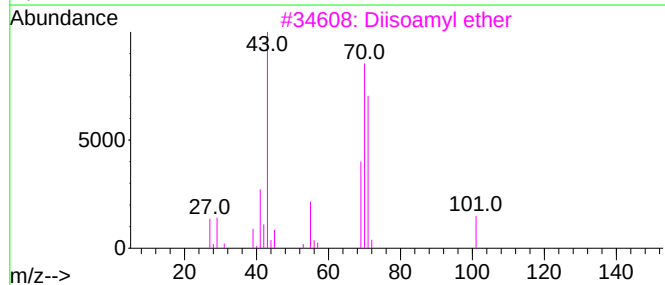
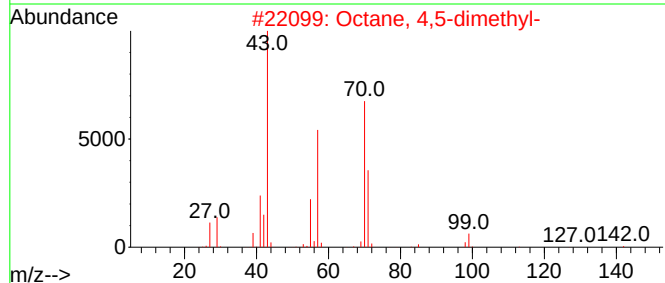
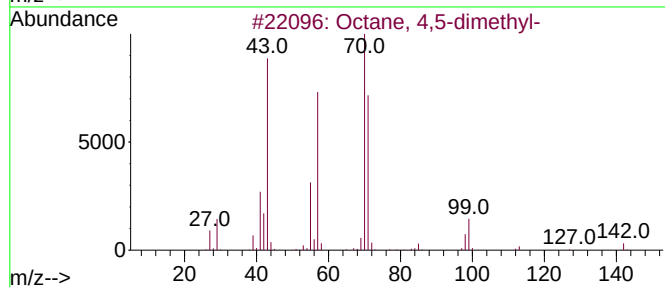
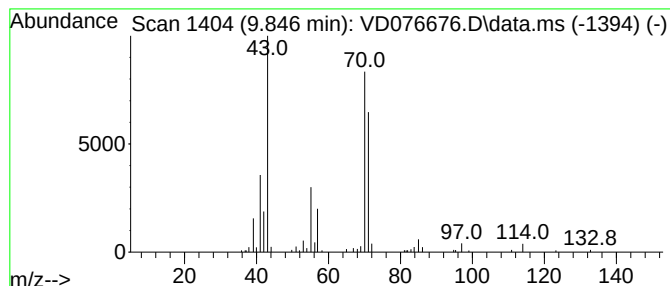
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.846	7.63 ug/L	188722	1,4-Difluorobenzene	8.775

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78
2		Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78
3		Diisoamyl ether	158	C10H22O	000544-01-4	72
4		Heptane, 4-methyl-	114	C8H18	000589-53-7	72
5		Pyrrolidine	71	C4H9N	000123-75-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

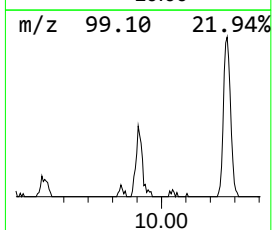
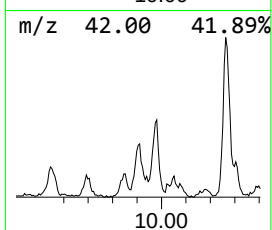
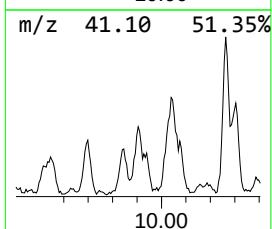
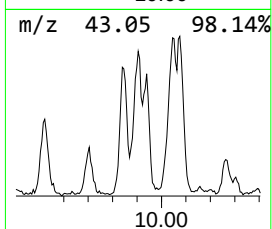
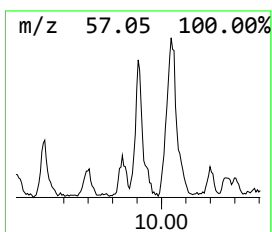
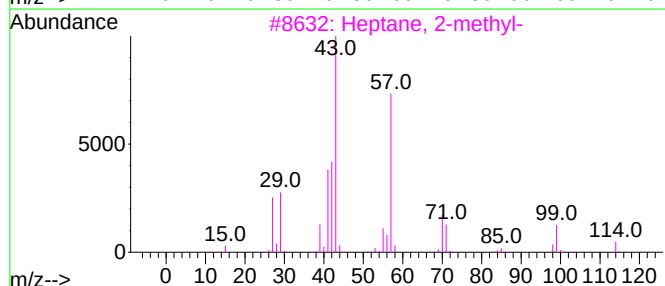
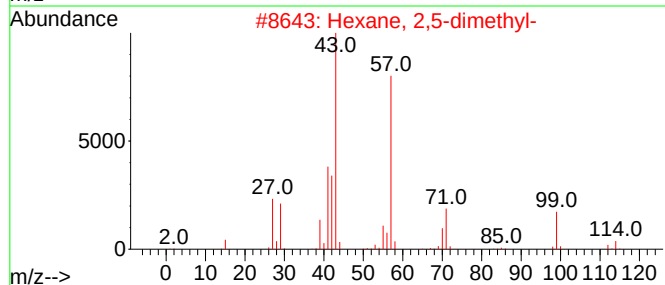
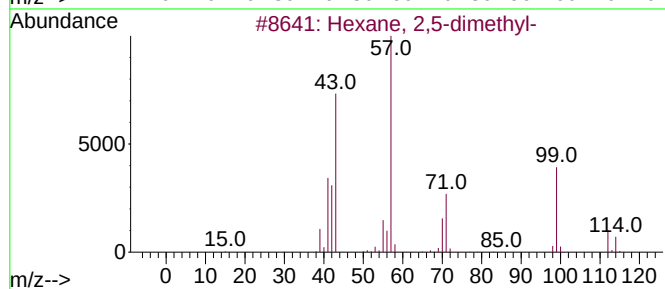
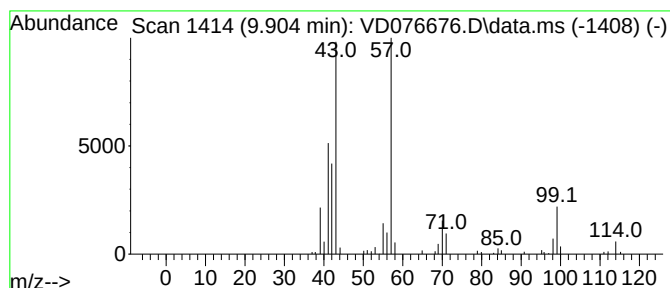
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.904	5.68 ug/L	140303	1,4-Difluorobenzene	8.775

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	86
2		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
3		Heptane, 2-methyl-	114	C8H18	000592-27-8	64
4		Heptane, 2-methyl-	114	C8H18	000592-27-8	64
5		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

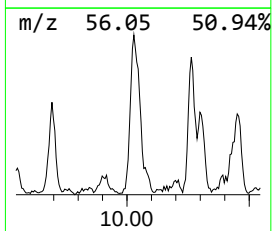
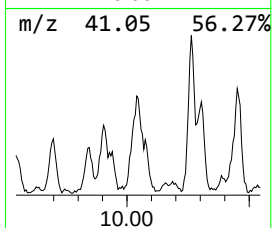
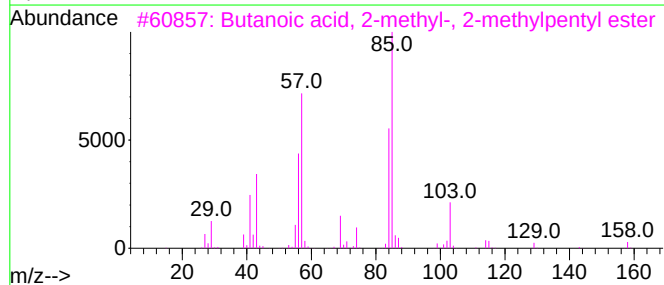
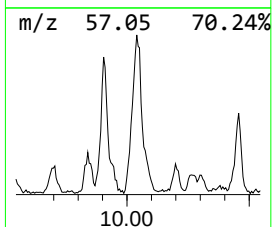
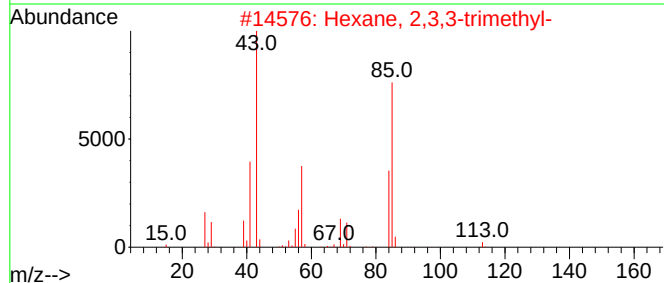
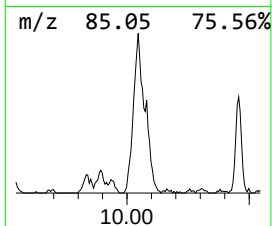
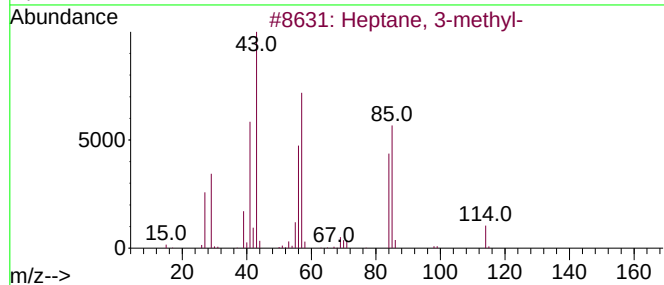
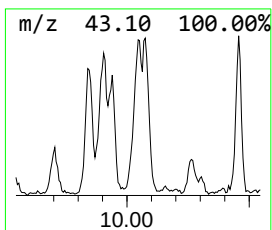
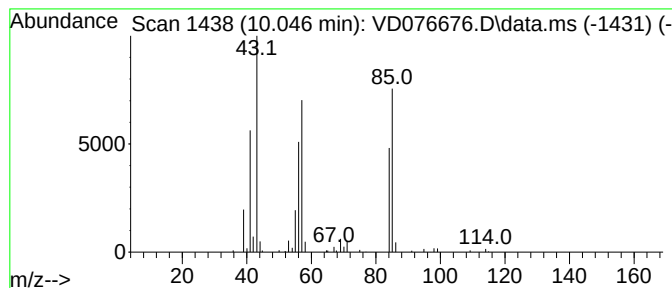
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.046	10.78 ug/L	266563	1,4-Difluorobenzene	8.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2			Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	72
3			Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	72
4			Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	64
5			Nonane, 5-methyl-	142	C10H22	015869-85-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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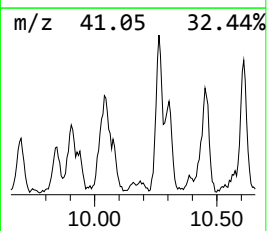
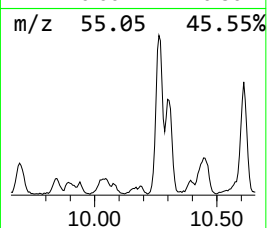
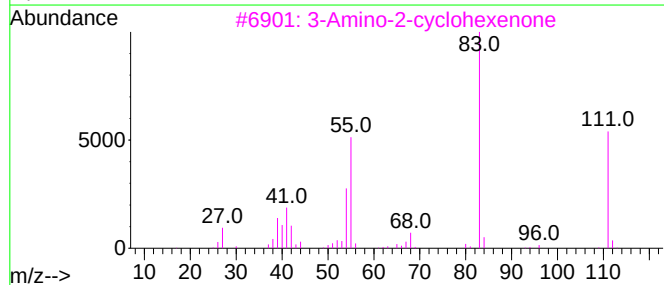
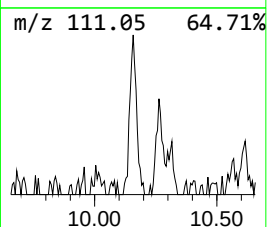
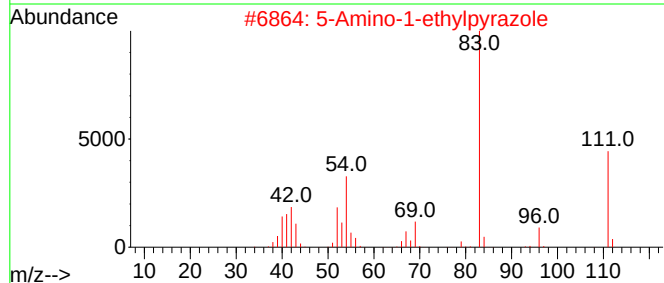
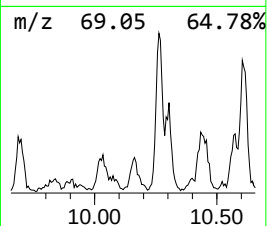
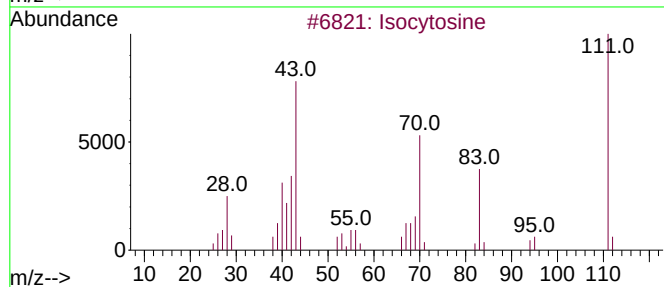
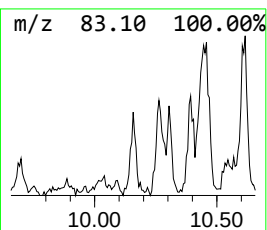
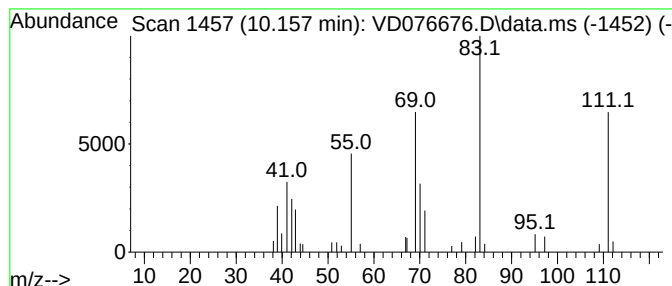
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown-01 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.157	1.52 ug/L	37690	1,4-Difluorobenzene	8.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isocytosine	111	C4H5N3O	000108-53-2	43
2			5-Amino-1-ethylpyrazole	111	C5H9N3	003528-58-3	42
3			3-Amino-2-cyclohexenone	111	C6H9NO	005220-49-5	40
4			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	38
5			Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

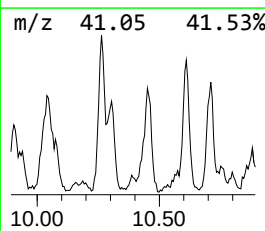
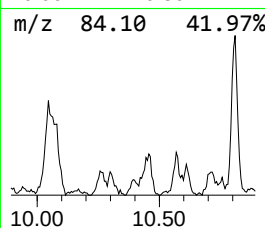
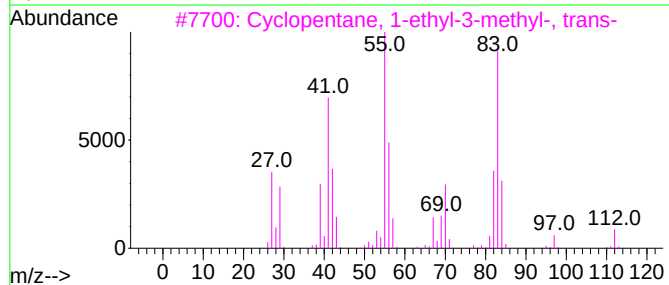
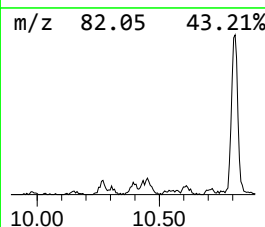
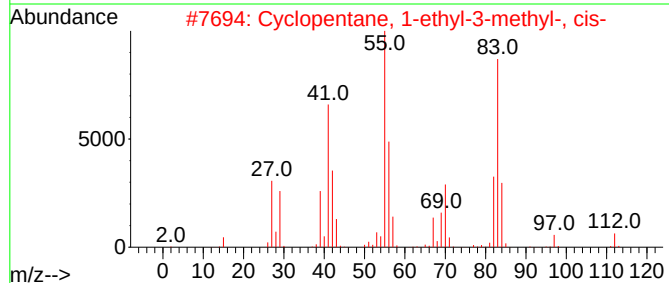
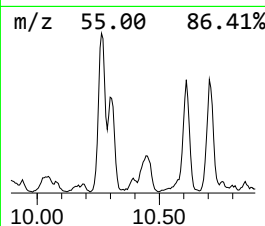
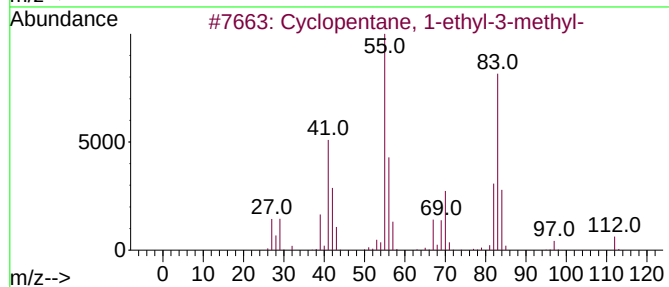
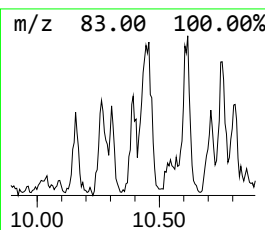
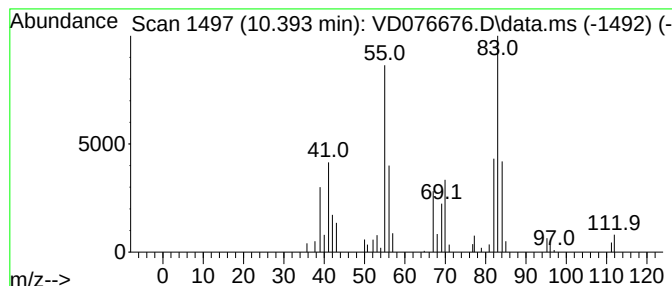
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Cyclic10.393 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.393	2.12 ug/L	44839	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	90
2			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	87
3			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	86
4			Hexane, 3-methyl-4-methylene-	112	C8H16	003404-67-9	47
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

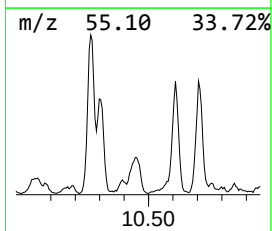
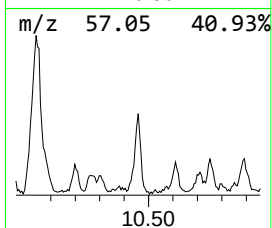
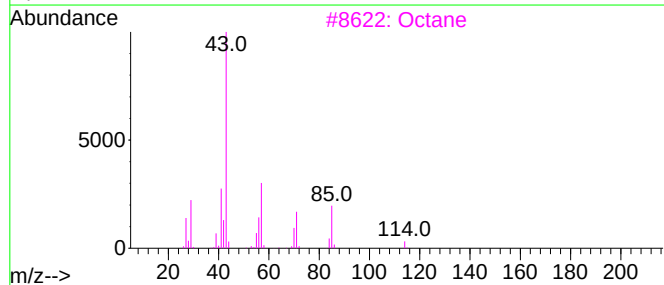
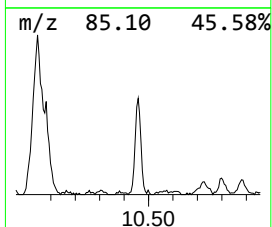
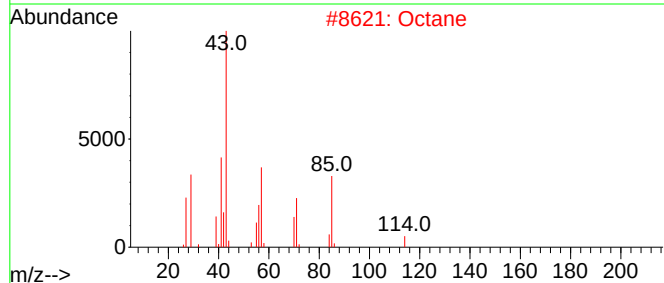
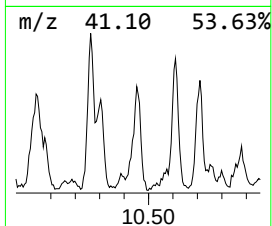
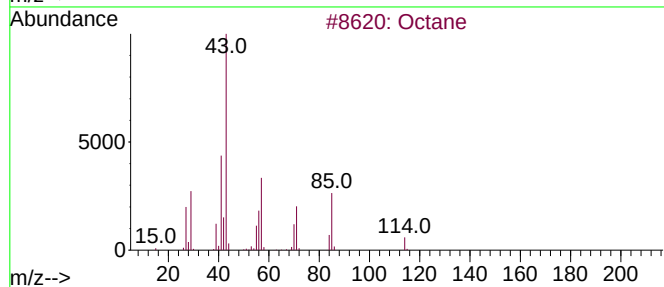
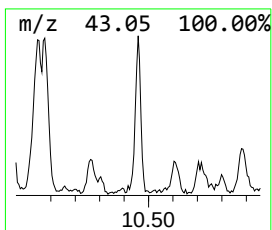
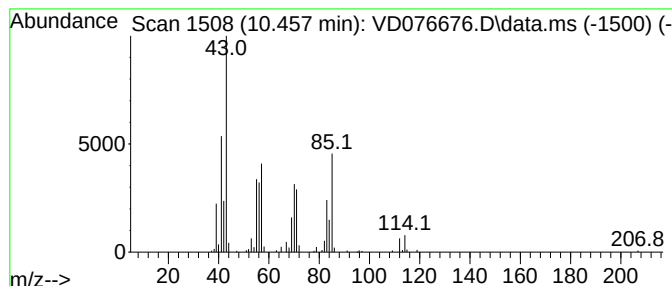
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.457	16.63 ug/L	351828	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane			114	C8H18	000111-65-9	68
2	Octane			114	C8H18	000111-65-9	58
3	Octane			114	C8H18	000111-65-9	58
4	Oxalic acid, allyl nonyl ester			256	C14H24O4	1000309-23-7	50
5	Octane			114	C8H18	000111-65-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

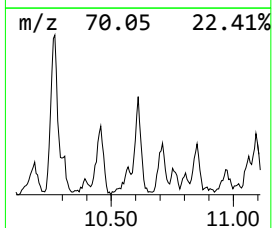
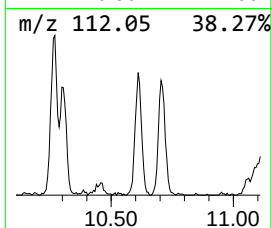
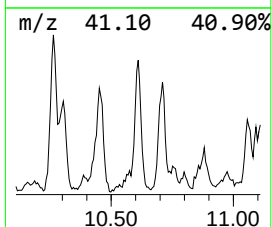
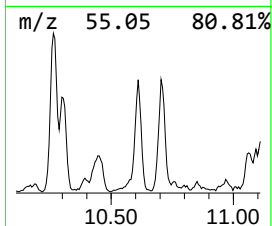
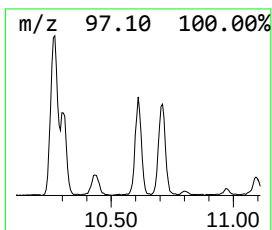
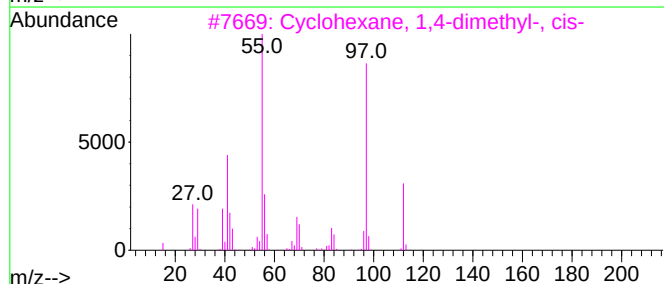
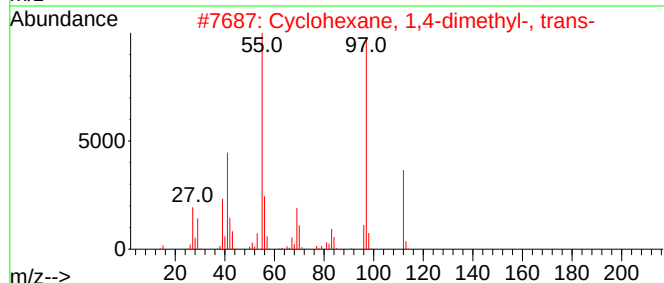
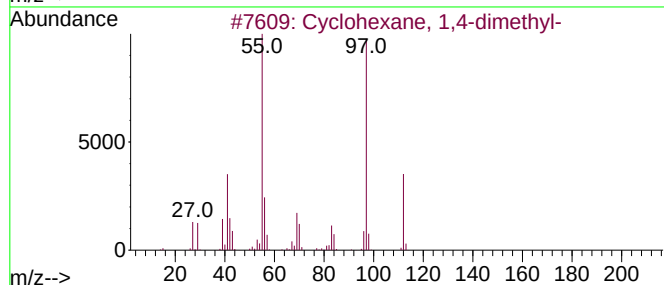
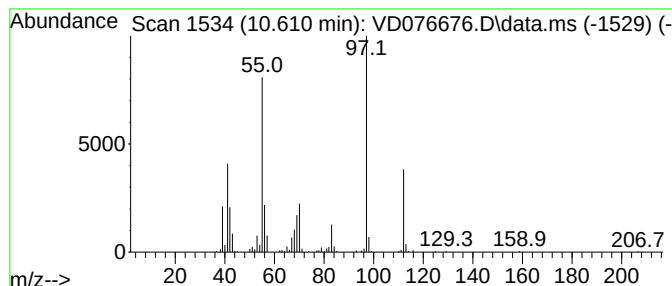
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 (DEL) Alkane: Cyclic10.610 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	20.89 ug/L	441943	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
2			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
3			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

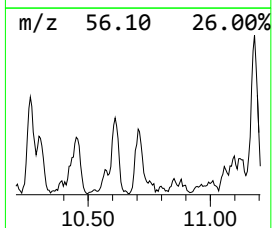
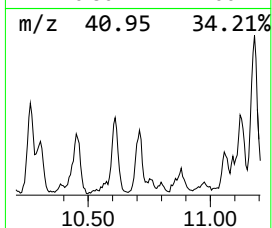
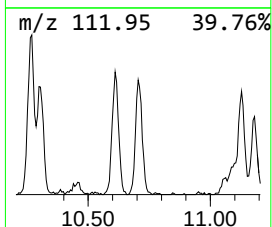
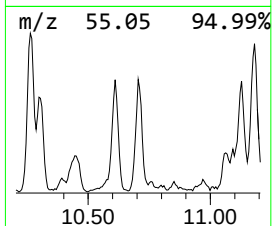
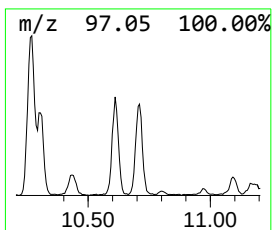
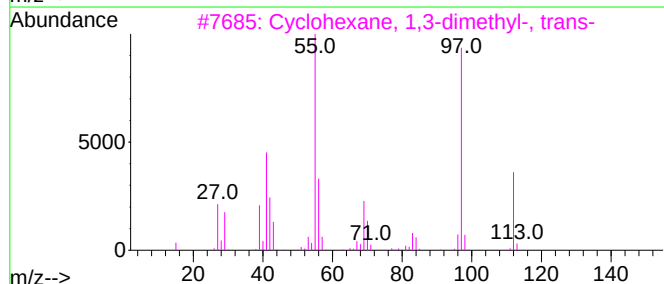
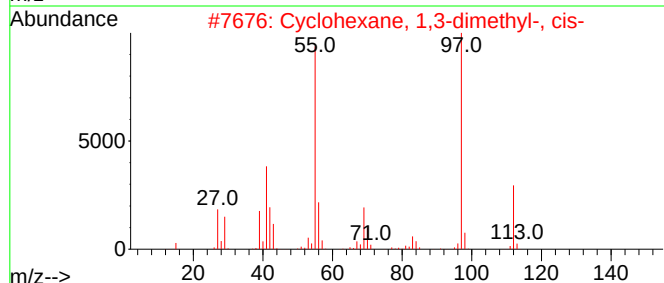
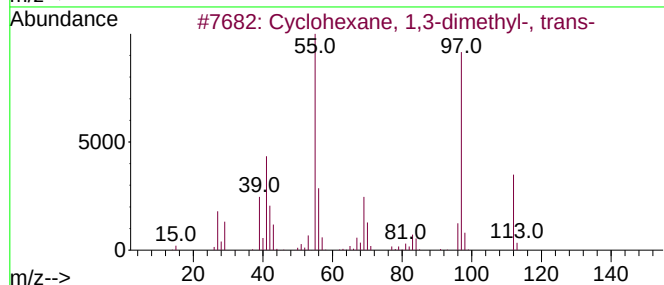
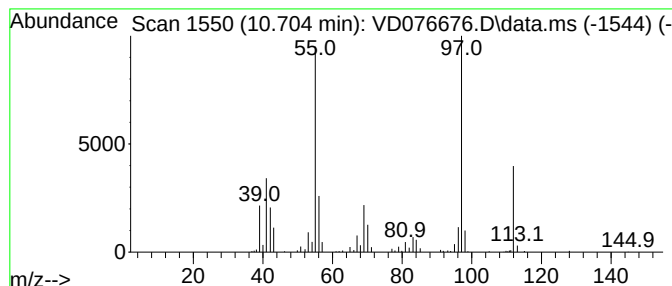
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (DEL) Alkane: Cyclic10.704 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	20.33 ug/L	430161	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	95
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

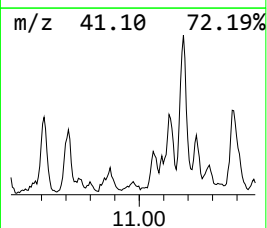
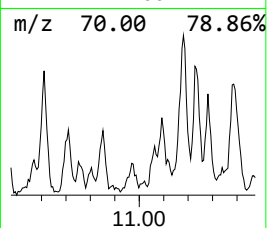
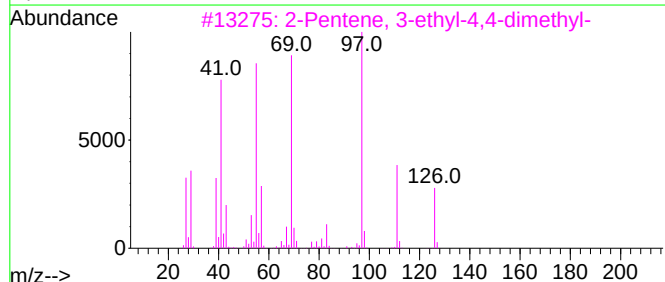
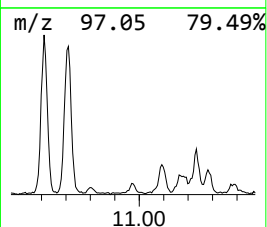
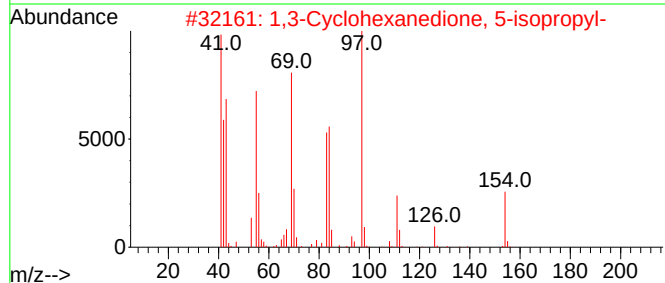
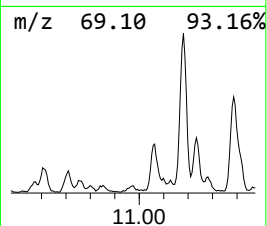
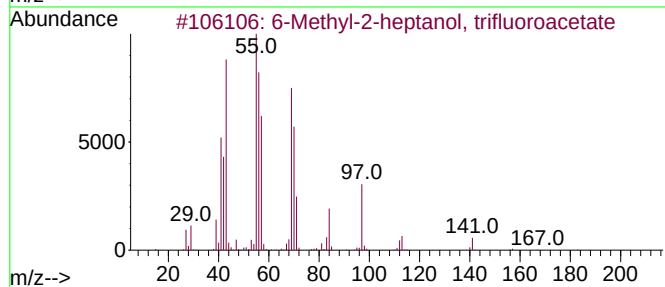
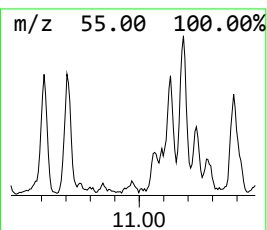
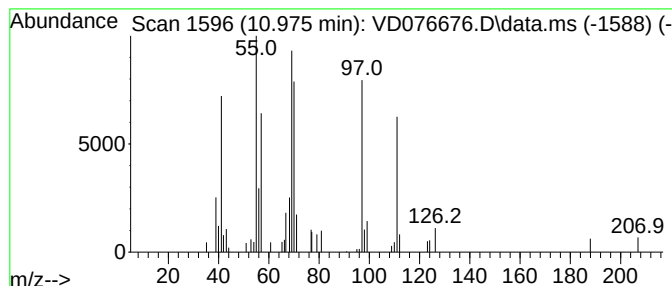
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 6-Methyl-2-heptanol, triflu... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.975	3.12 ug/L	66062	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6-Methyl-2-heptanol, trifluoroac...	226	C10H17F3O2	1010365-05-8	53
2			1,3-Cyclohexanedione, 5-isopropyl-	154	C9H14O2	018456-87-6	47
3			2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	47
4			2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	38
5			Silane, dimethyldi-2-propynyl-	136	C8H12Si	006262-81-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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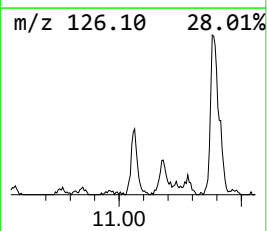
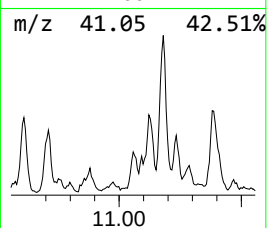
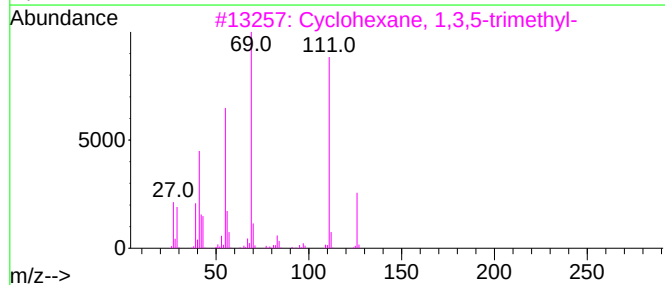
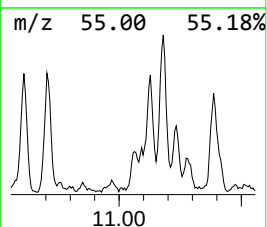
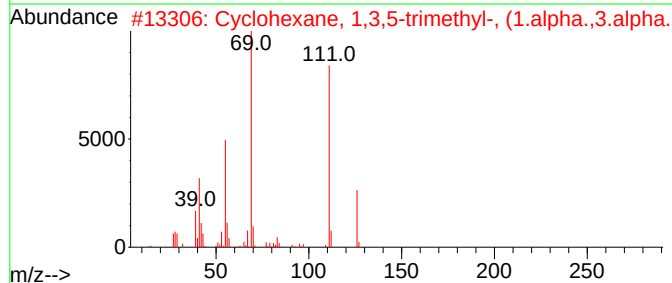
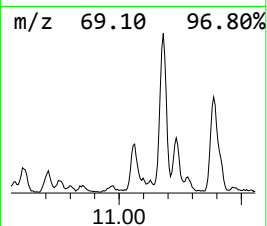
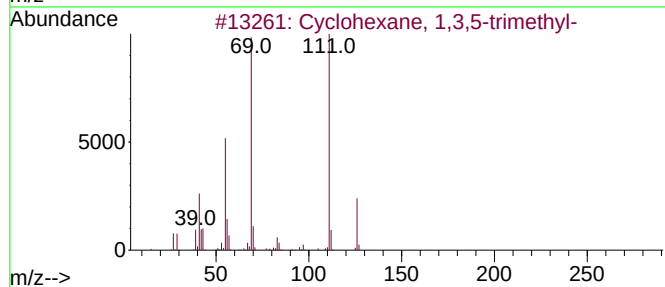
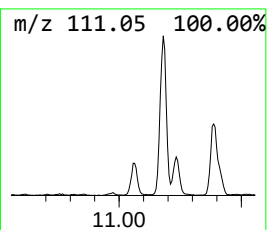
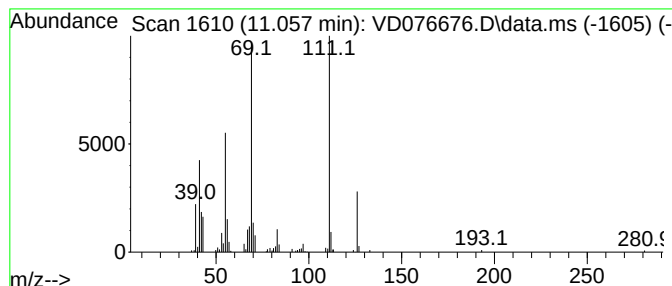
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 (DEL) Alkane: Cyclic11.057 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.057	11.41 ug/L	241423	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	94
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	93
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	93
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

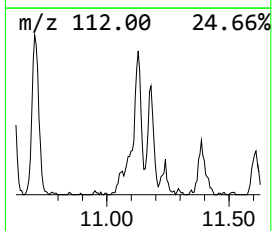
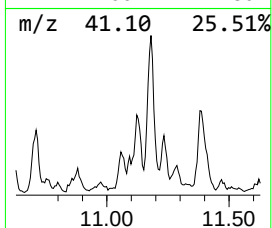
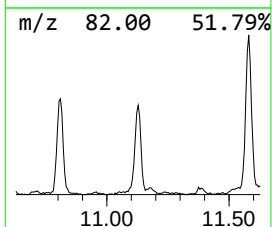
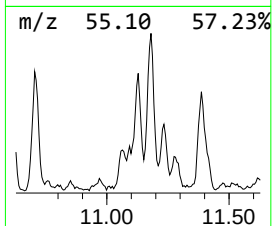
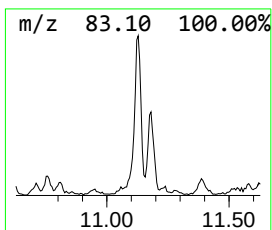
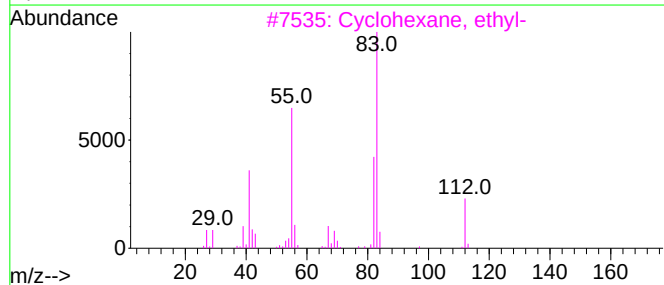
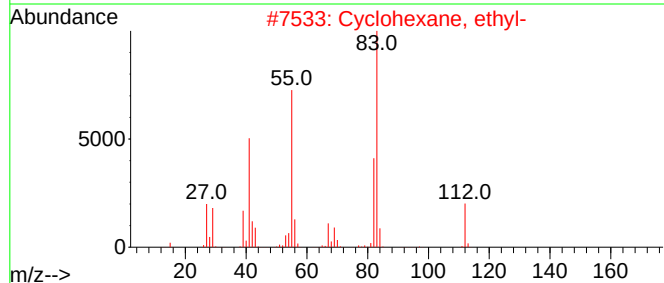
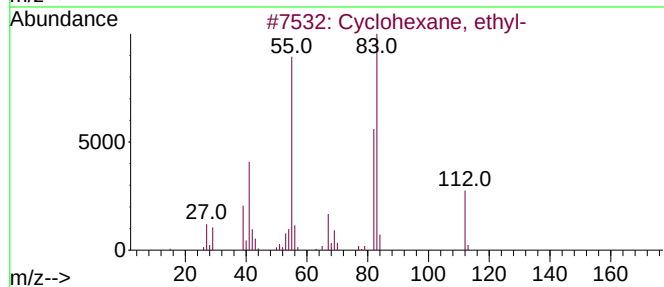
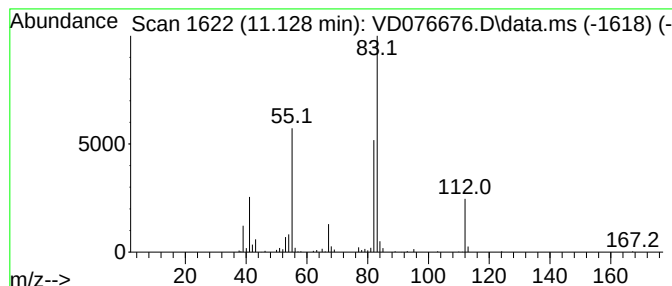
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MSVOA_D
ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 (DEL) Alkane: Cyclic11.128 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.128	15.82 ug/L	334716	Chlorobenzene-d5	11.581	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

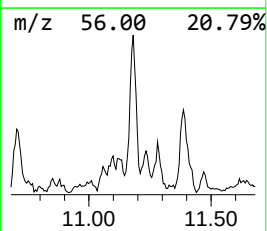
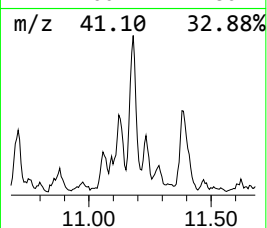
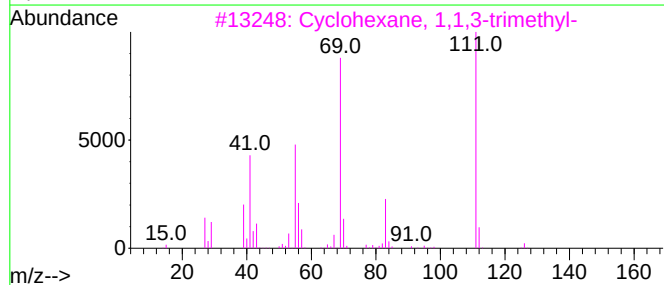
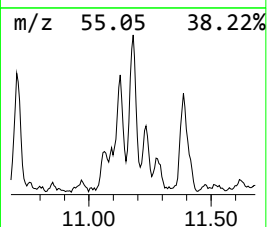
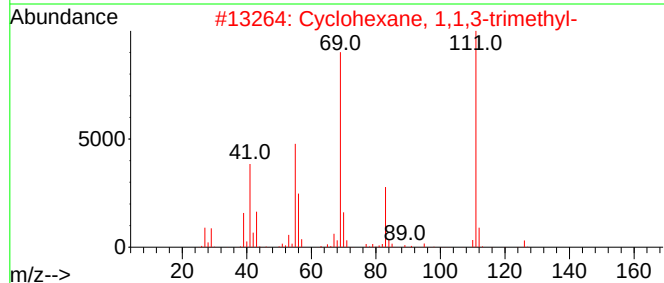
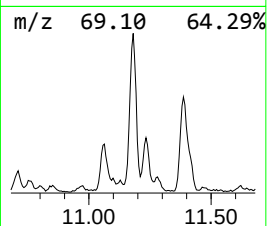
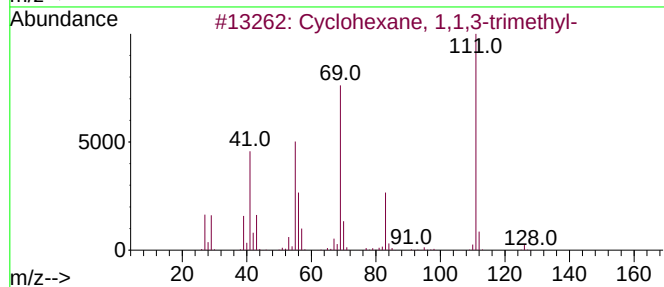
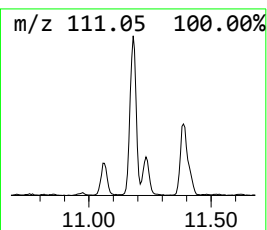
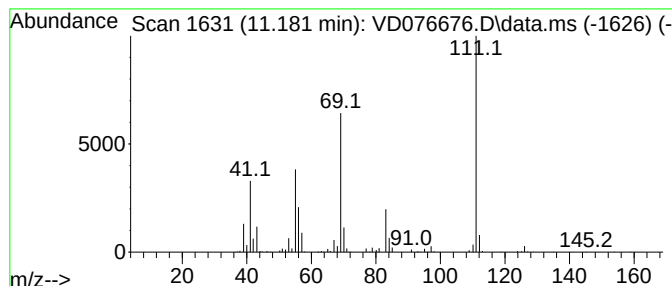
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 (DEL) Alkane: Cyclic11.181 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	41.14 ug/L	870336	Chlorobenzene-d5	11.581

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
5		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

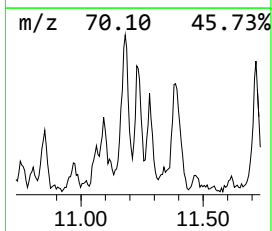
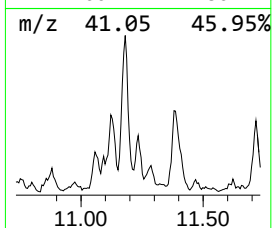
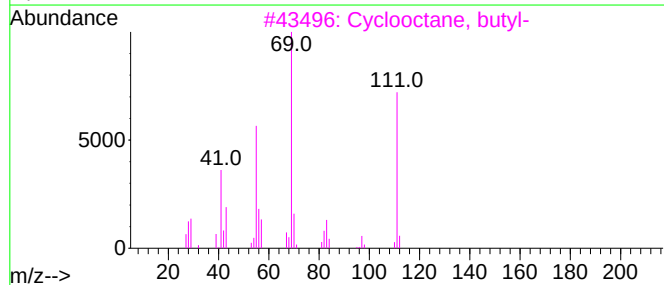
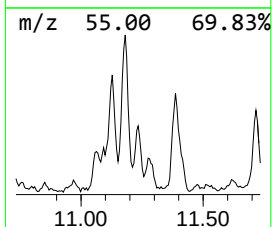
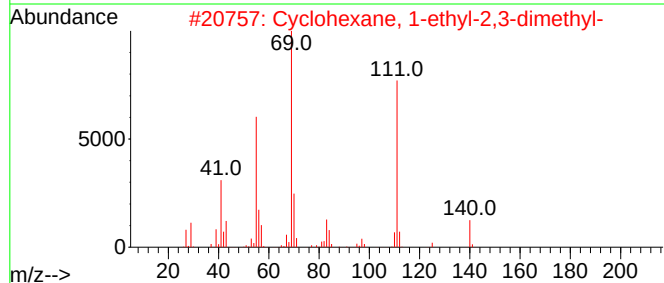
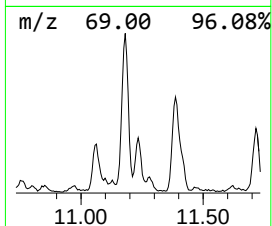
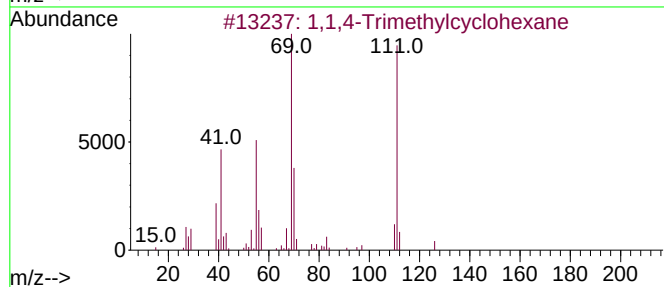
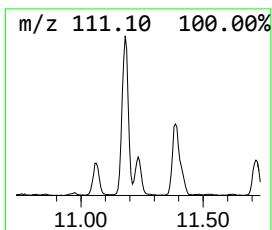
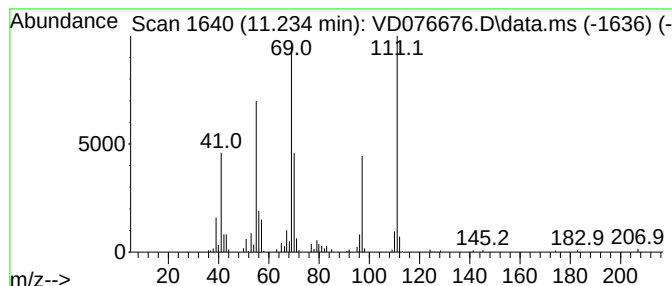
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ClientSampleId :
A46S4RE

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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 (DEL) Alkane: Cyclic11.234 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.234	10.20 ug/L	215766	Chlorobenzene-d5	11.581	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	59
2	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	59
3	Cyclooctane, butyl-	168	C12H24	016538-93-5	53
4	Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	53
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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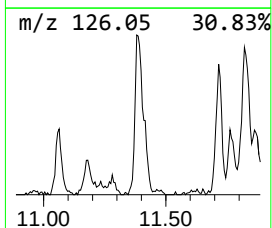
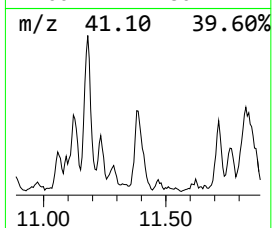
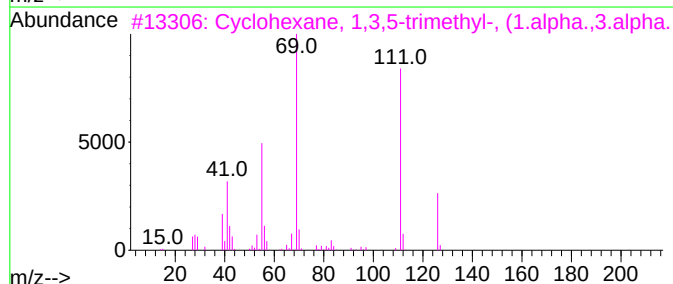
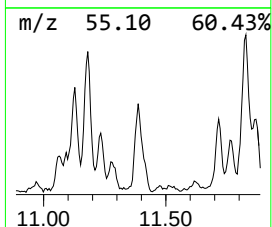
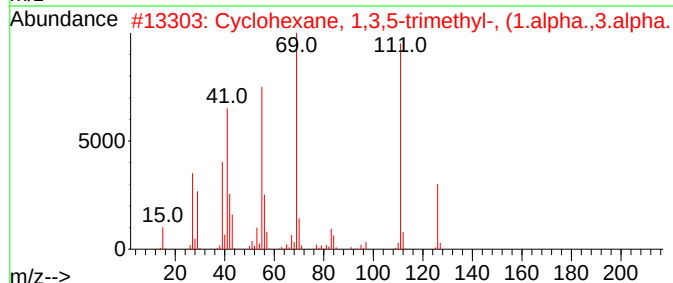
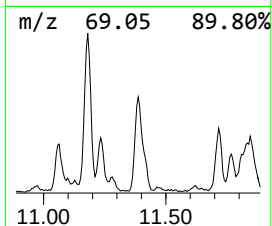
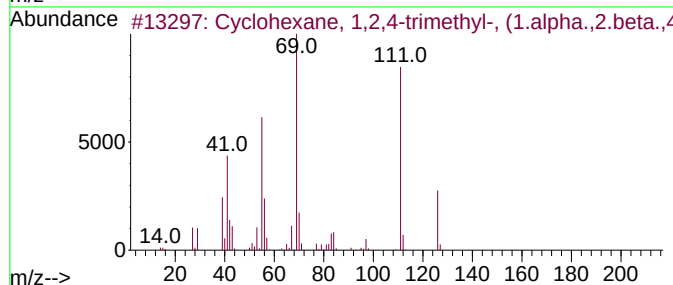
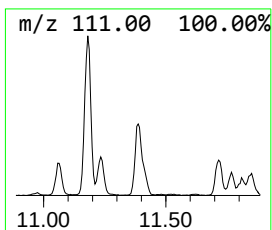
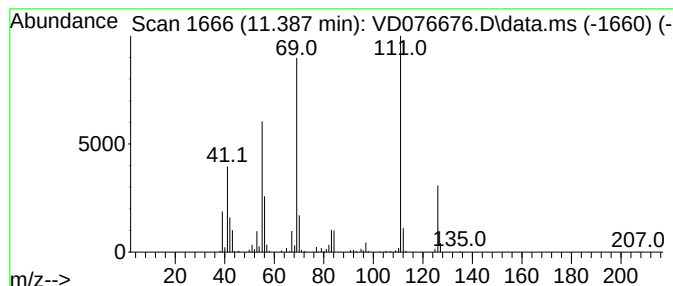
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 (DEL) Alkane: Cyclic11.387 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.387	32.47 ug/L	686812	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	94
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

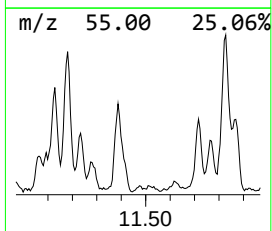
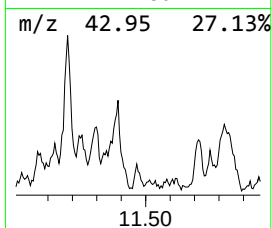
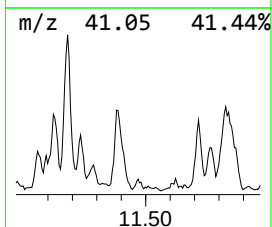
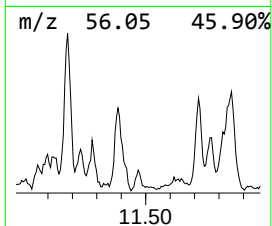
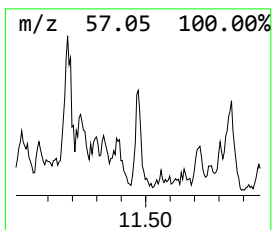
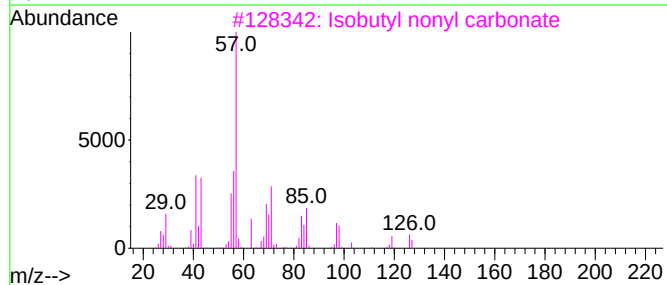
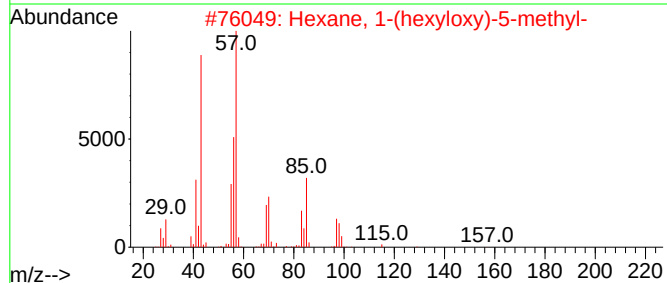
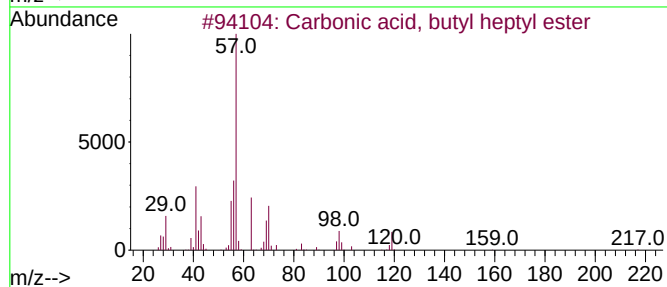
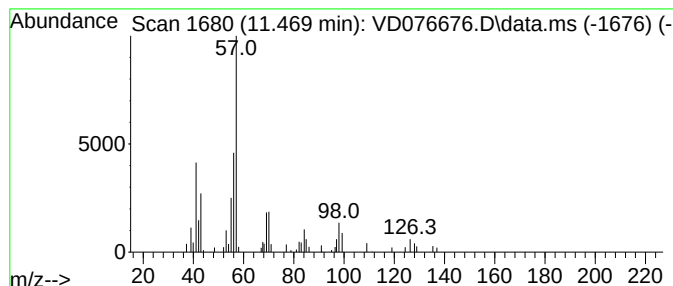
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 Carbonic acid, butyl heptyl... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.469	2.53 ug/L	53551	Chlorobenzene-d5	11.581	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, butyl heptyl ester	216	C12H24O3	1000314-63-4	53
2	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	50
3	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	50
4	Tert-butyl[(cyanomethyl)-oxo-\$l^...	141	C6H11N3O	1000411-42-0	47
5	3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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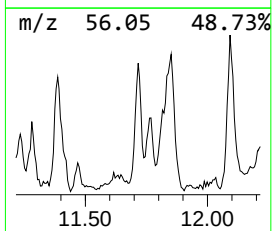
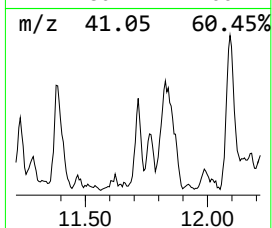
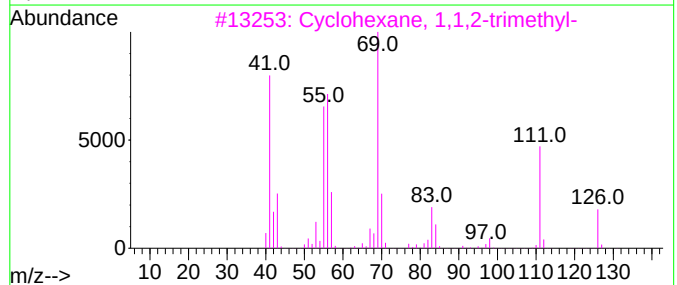
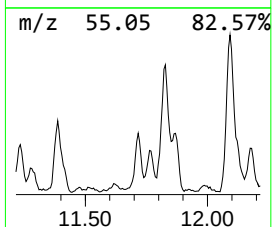
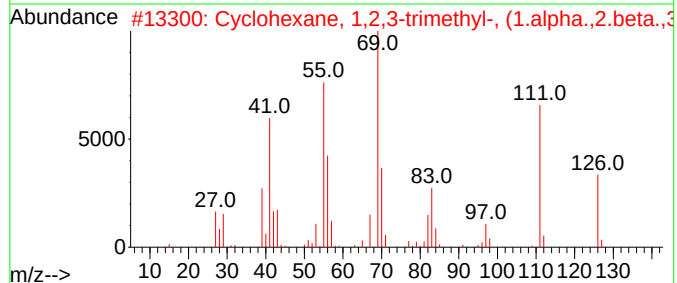
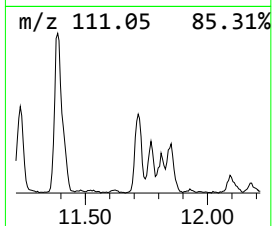
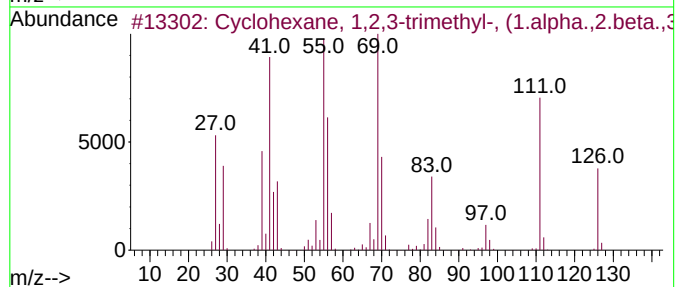
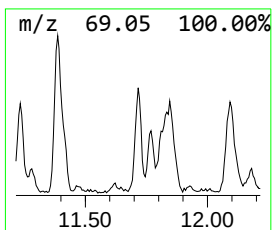
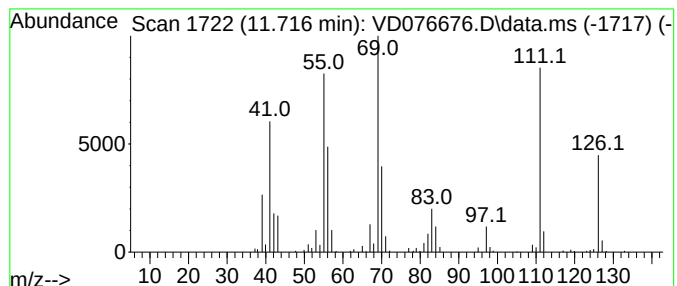
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 (DEL) Alkane: Cyclic11.716 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.716	16.16 ug/L	341762	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	91
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	90
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	87
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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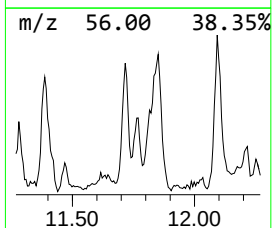
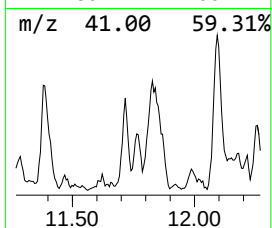
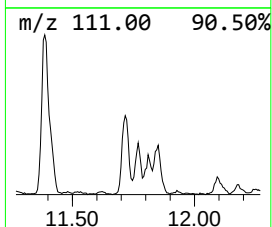
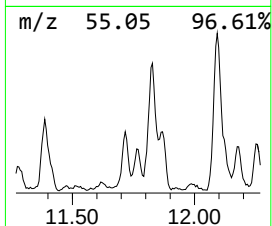
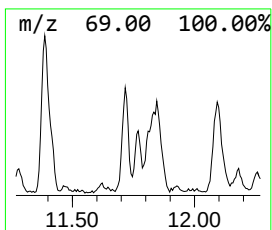
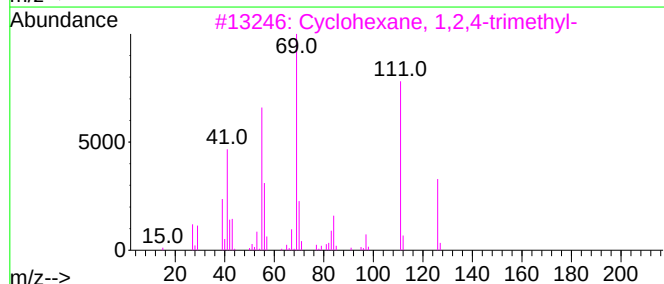
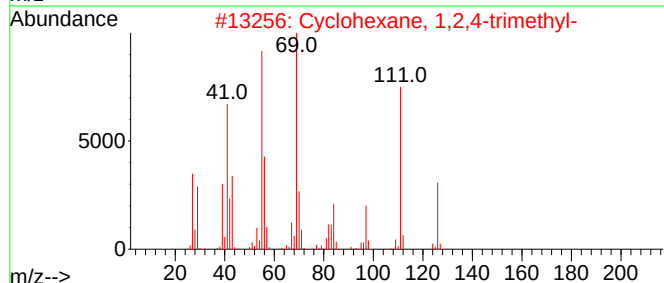
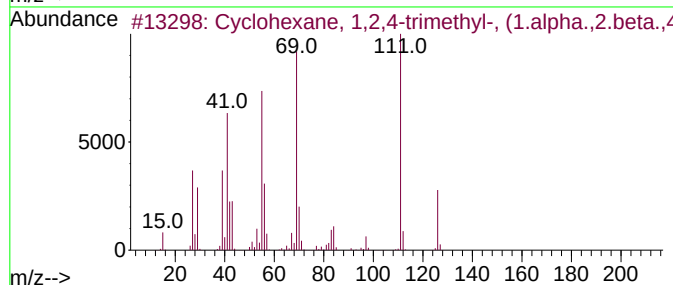
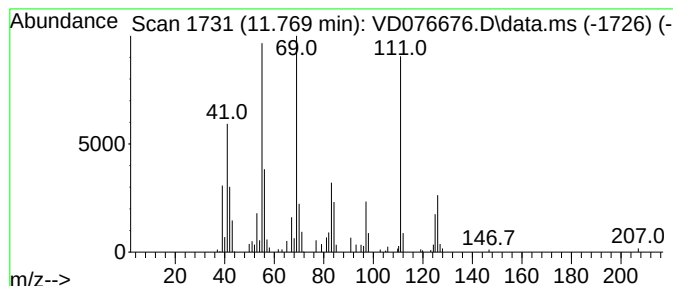
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 (DEL) Alkane: Cyclic11.769 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.769	11.94 ug/L	252528	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
4			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	58
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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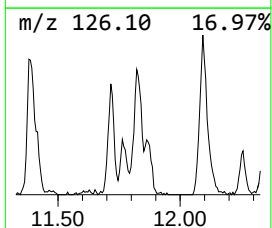
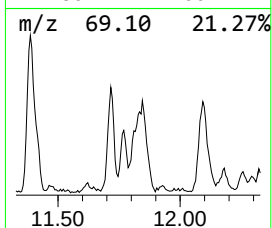
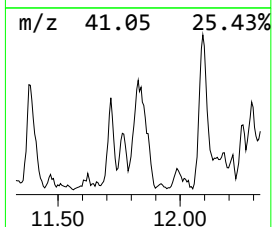
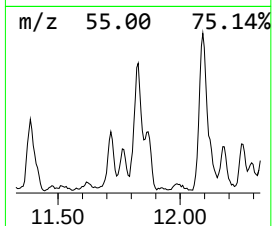
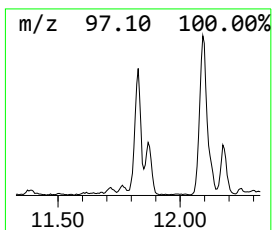
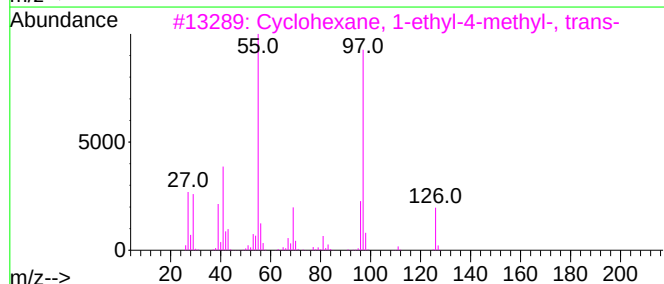
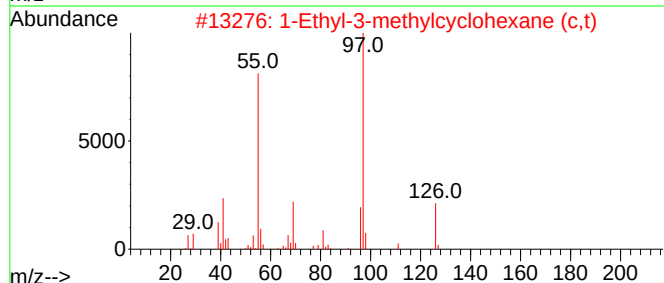
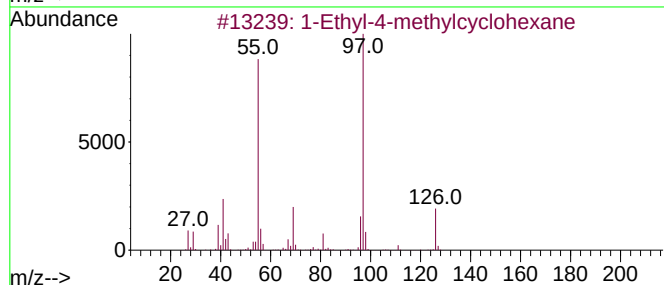
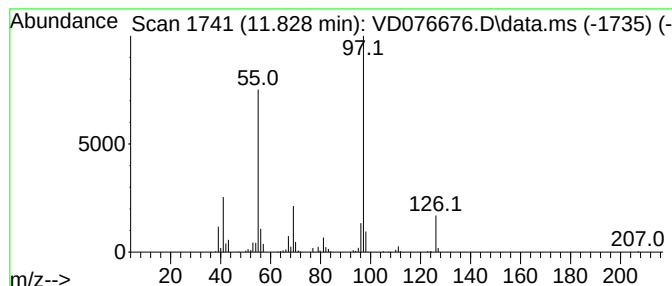
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 (DEL) Alkane: Cyclic11.828 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	50.57 ug/L	1069830	Chlorobenzene-d5	11.581

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	95
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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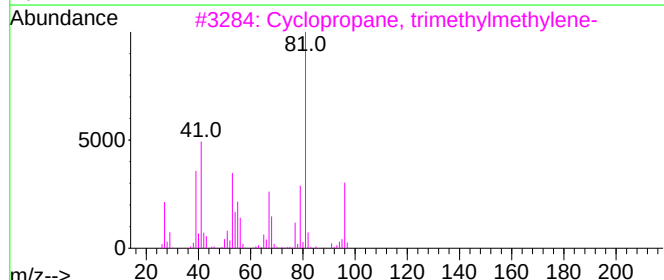
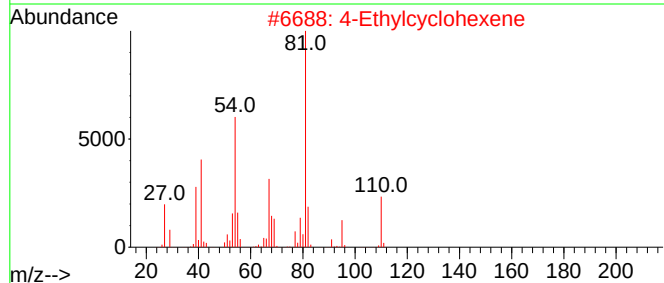
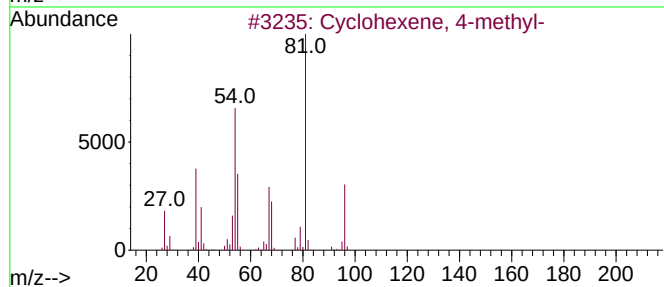
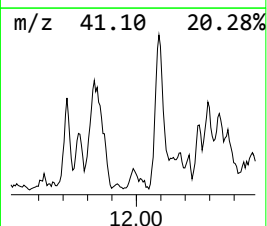
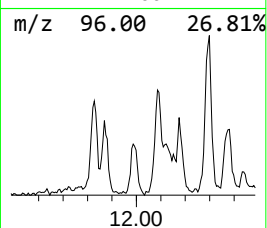
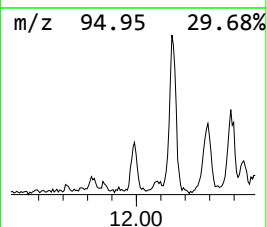
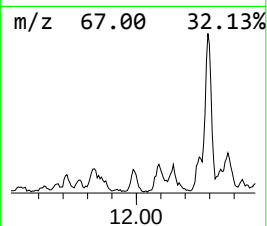
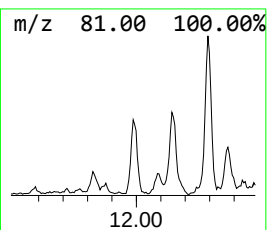
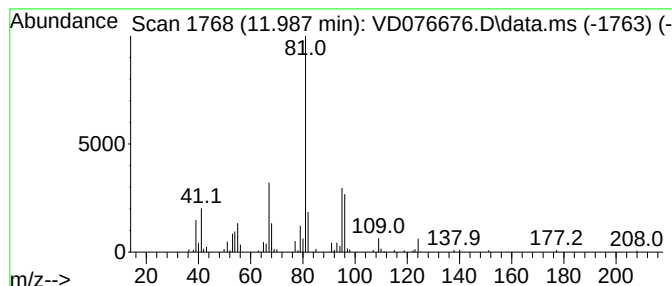
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 Cyclohexene, 4-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.987	8.80 ug/L	186201	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	64
2			4-Ethylcyclohexene	110	C8H14	003742-42-5	59
3			Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	59
4			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	59
5			Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

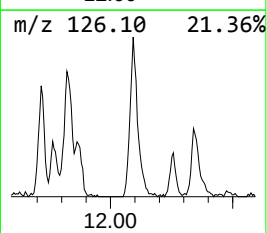
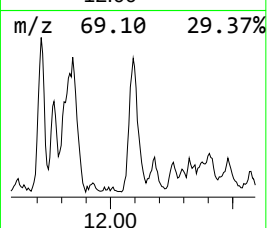
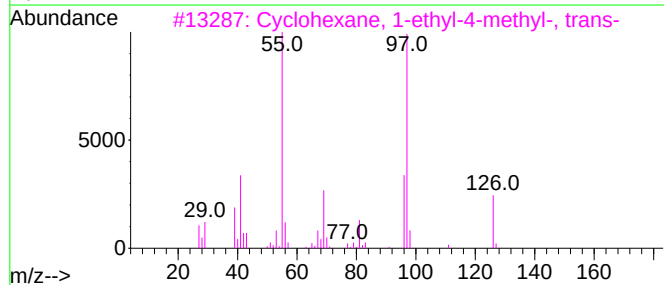
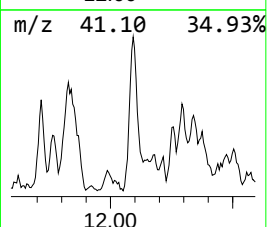
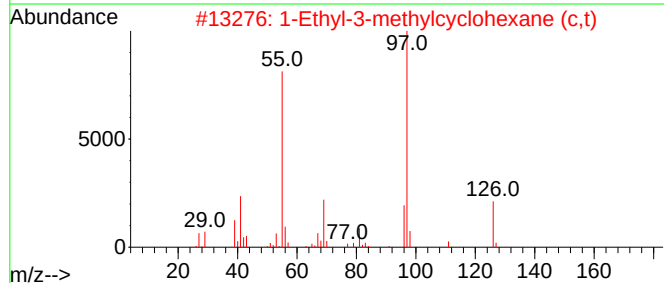
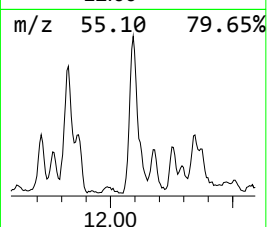
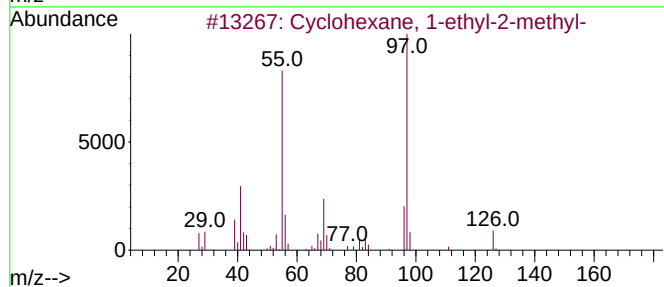
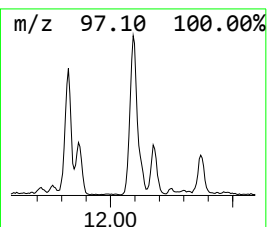
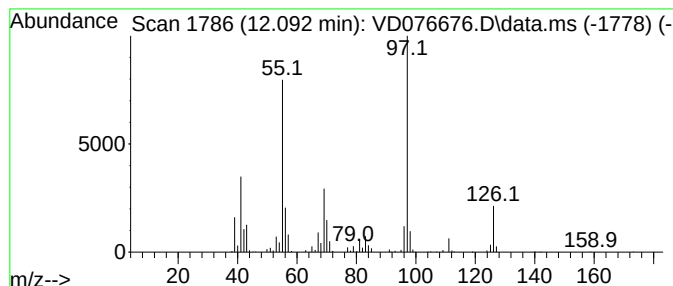
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 (DEL) Alkane: Cyclic12.092 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	49.24 ug/L	1041690	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

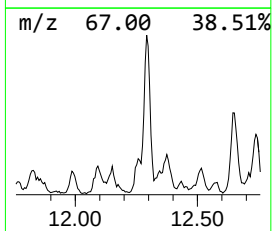
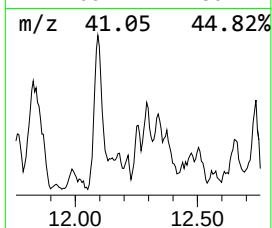
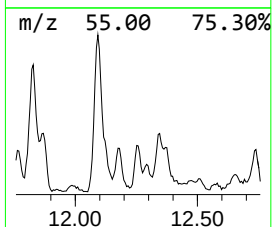
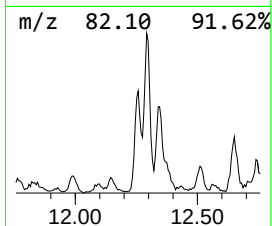
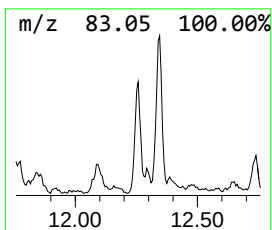
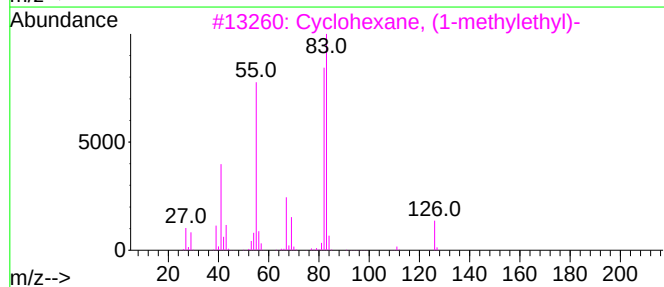
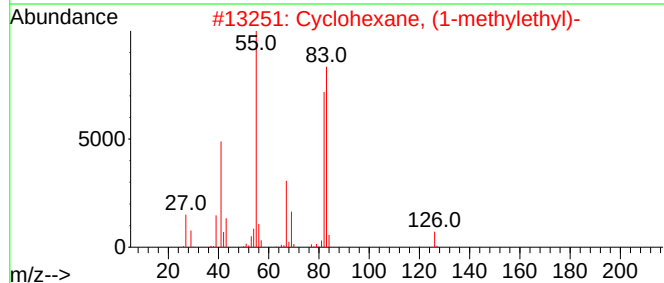
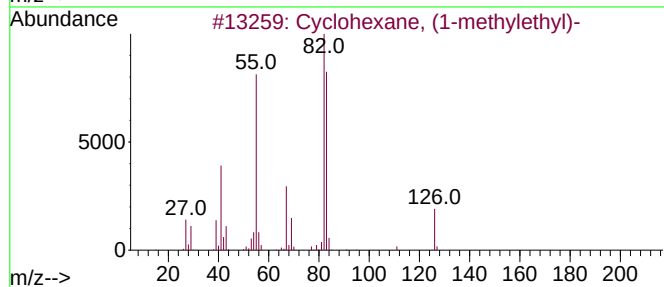
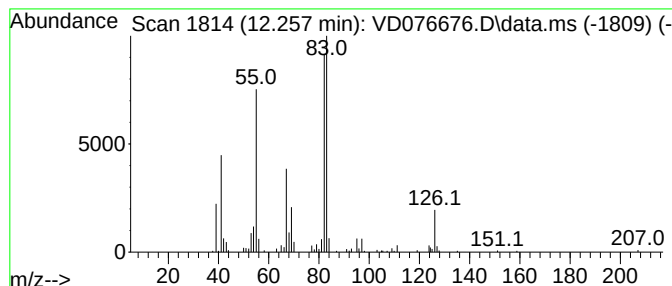
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ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 (DEL) Alkane: Cyclic12.257 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.257	10.09 ug/L	213458	Chlorobenzene-d5		11.581	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	93
2	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	90
3	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	81
4	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	80
5	Cyclohexane, undecyl-		238	C17H34	054105-66-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

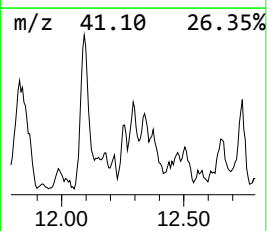
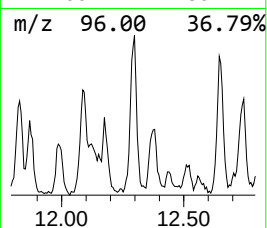
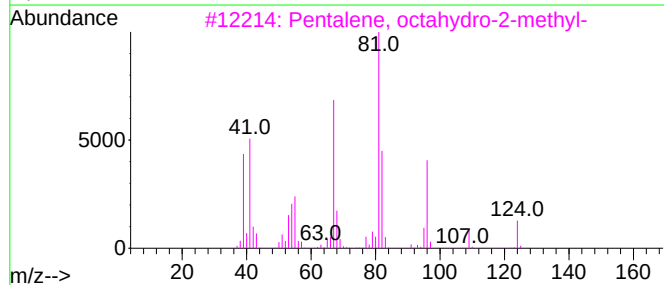
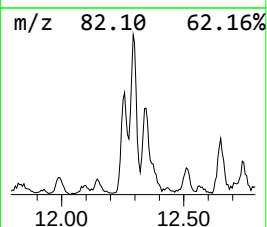
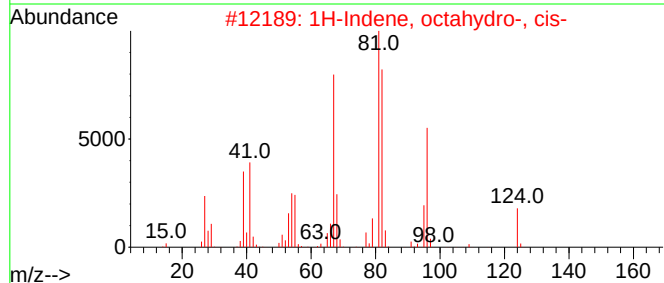
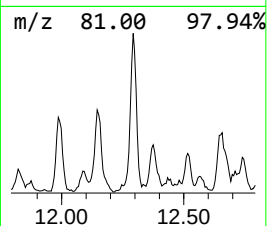
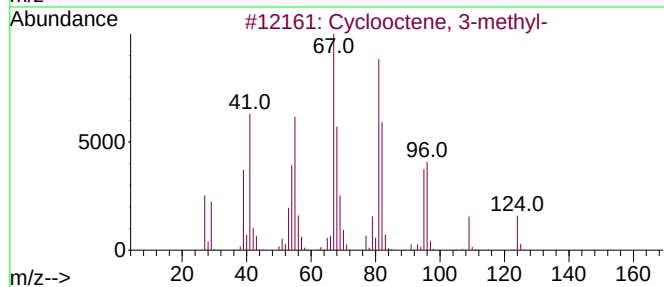
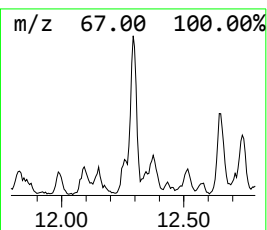
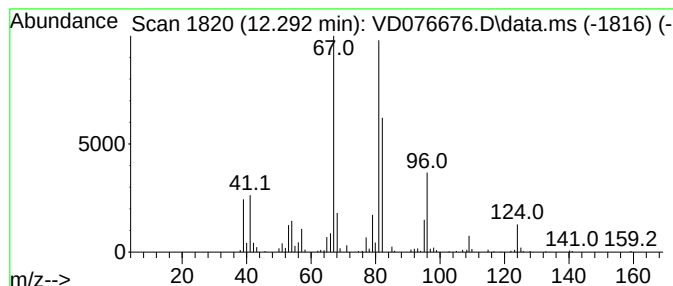
Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 Cyclooctene, 3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.293	17.41 ug/L	368259	Chlorobenzene-d5		11.581	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-		124	C9H16	013152-05-1	86
2	1H-Indene, octahydro-, cis-		124	C9H16	004551-51-3	81
3	Pentalene, octahydro-2-methyl-		124	C9H16	003868-64-2	62
4	1H-Indene, octahydro-, trans-		124	C9H16	003296-50-2	58
5	Cyclopentene, 1-butyl-		124	C9H16	002423-01-0	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

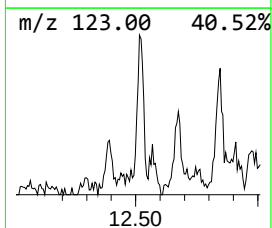
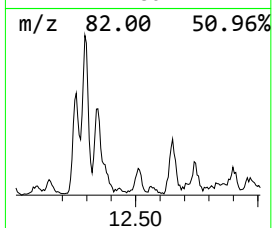
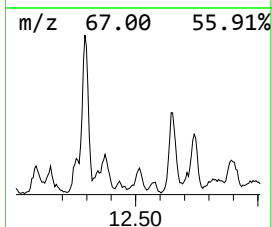
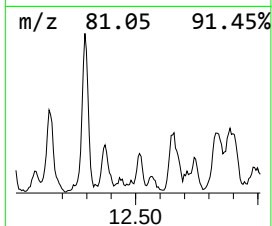
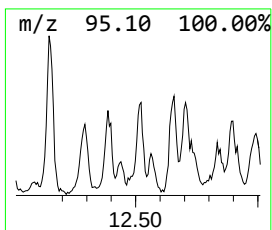
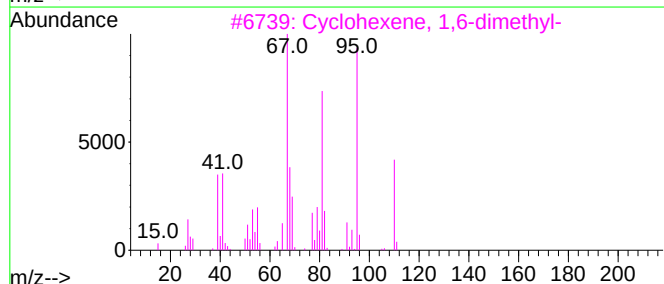
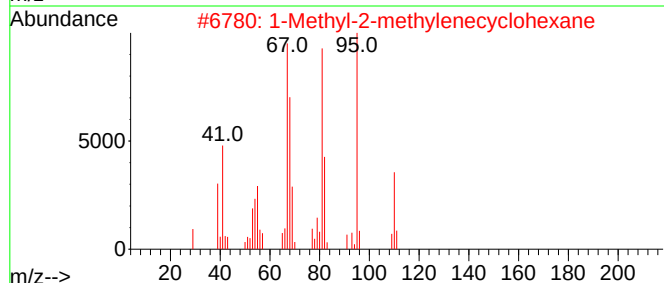
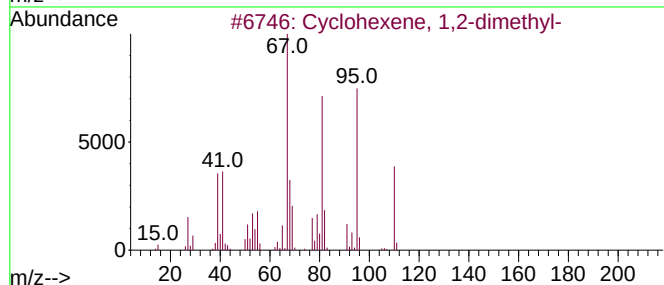
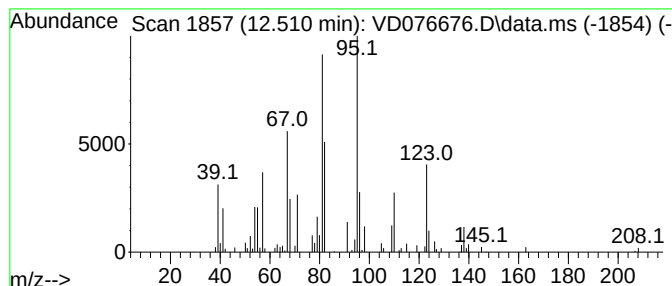
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 Cyclohexene, 1,2-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	8.84 ug/L	187074	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	70
2			1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	64
3			Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	64
4			Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	53
5			1-Tetradecyne	194	C14H26	000765-10-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

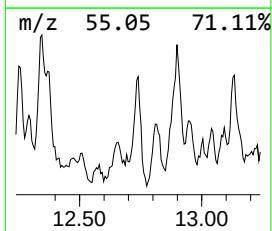
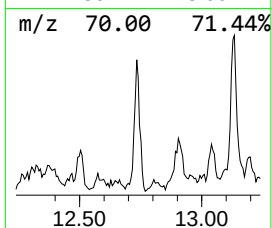
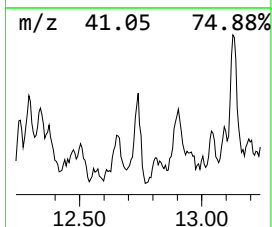
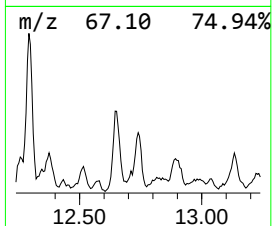
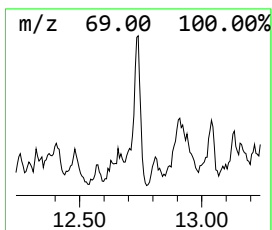
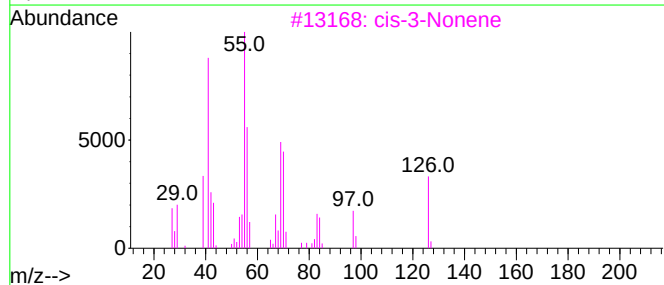
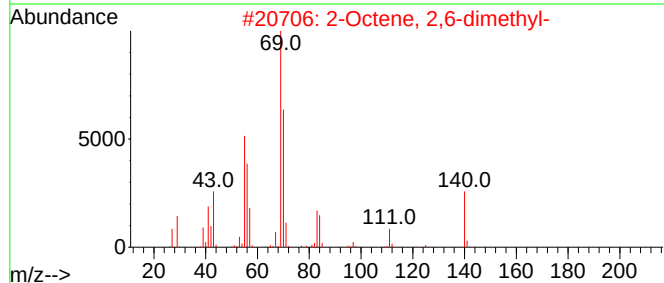
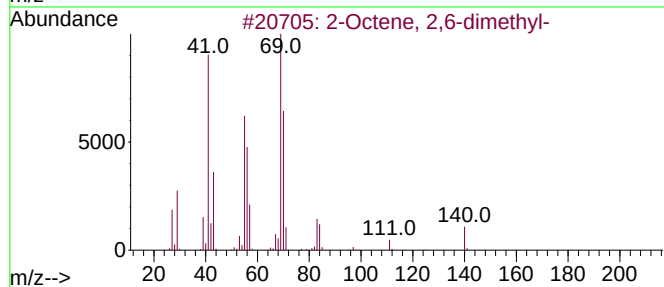
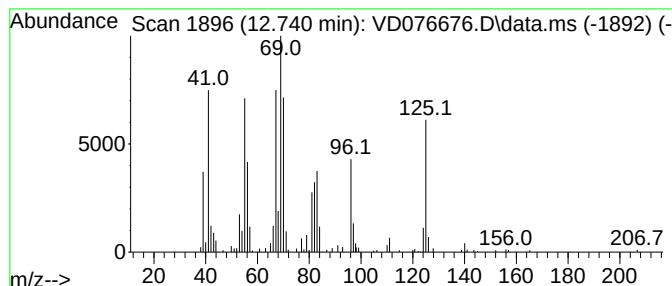
Instrument :
MSVOA_D
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.740	98.10 ug/L	428947	1,4-Dichlorobenzene-d4		13.516	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-		140	C10H20	004057-42-5	45
2	2-Octene, 2,6-dimethyl-		140	C10H20	004057-42-5	43
3	cis-3-Nonene		126	C9H18	020237-46-1	35
4	2-Methyl-2-octene		126	C9H18	016993-86-5	30
5	trans-2-Methyl-3-octene		126	C9H18	052937-36-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

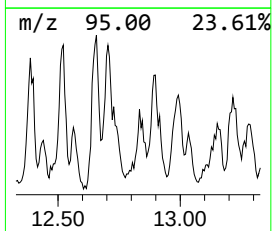
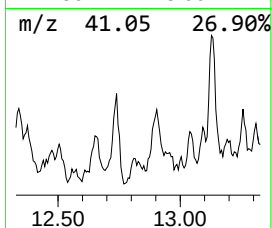
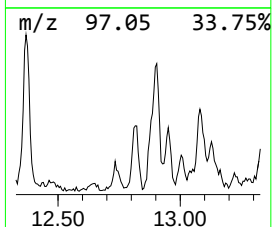
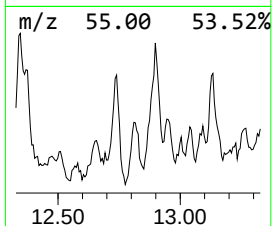
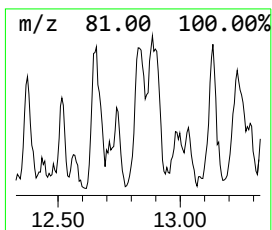
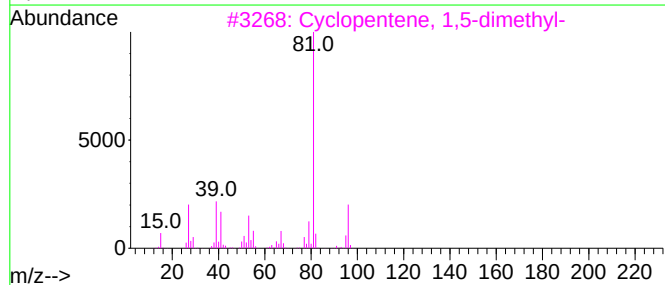
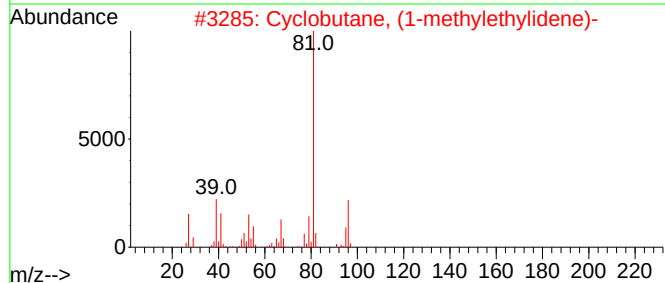
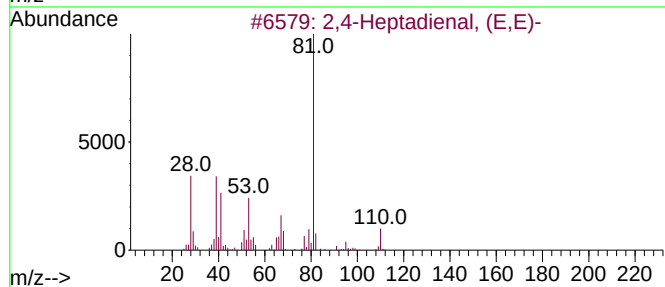
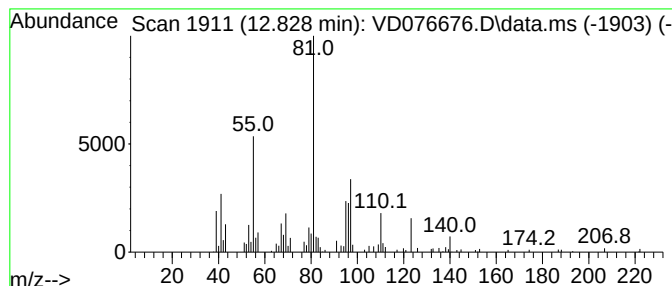
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 2,4-Heptadienal, (E,E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.828	60.78 ug/L	265778	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	55
2			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	53
3			Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	53
4			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	49
5			2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

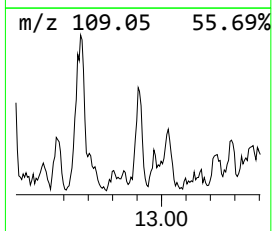
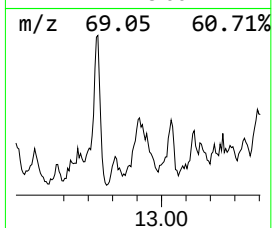
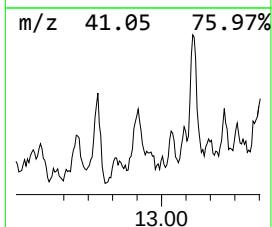
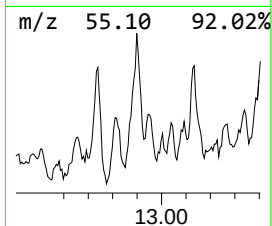
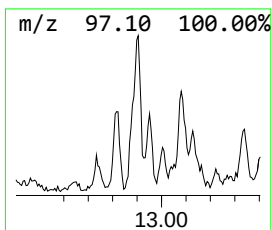
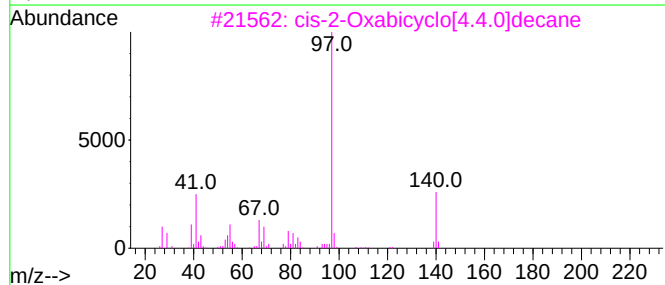
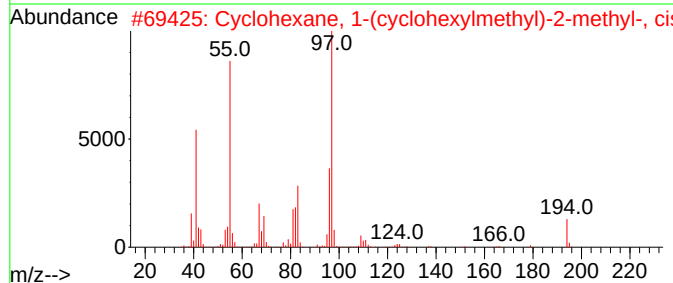
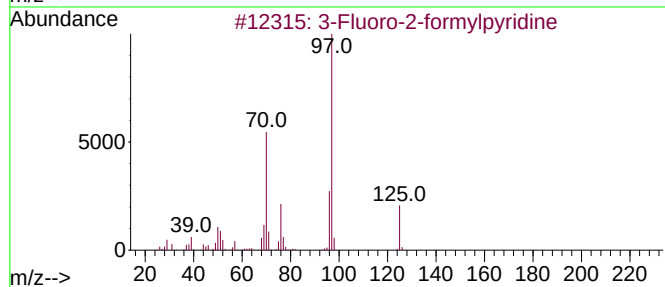
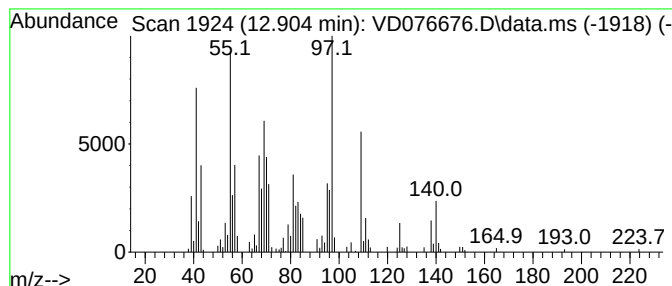
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.904	71.91 ug/L	314452	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Fluoro-2-formylpyridine	125	C6H4FNO	031224-43-8	38
2			Cyclohexane, 1-(cyclohexylmethyl)...	194	C14H26	054824-04-3	27
3			cis-2-Oxabicyclo[4.4.0]decane	140	C9H16O	060416-19-5	27
4			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	25
5			(E)-6-Methylhept-4-en-1-ol	128	C8H16O	855901-81-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

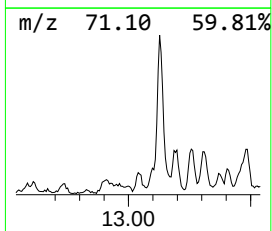
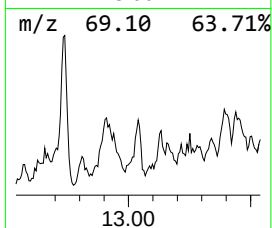
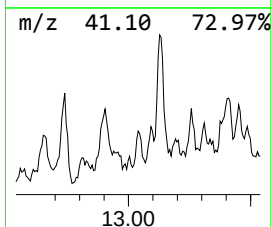
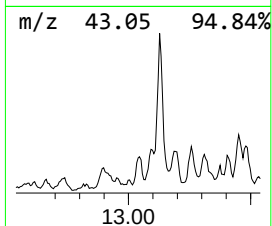
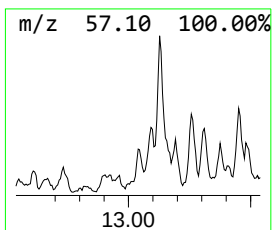
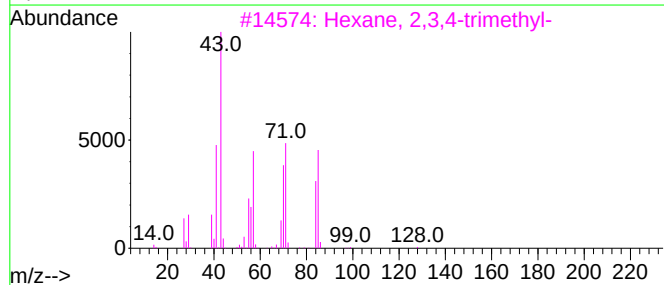
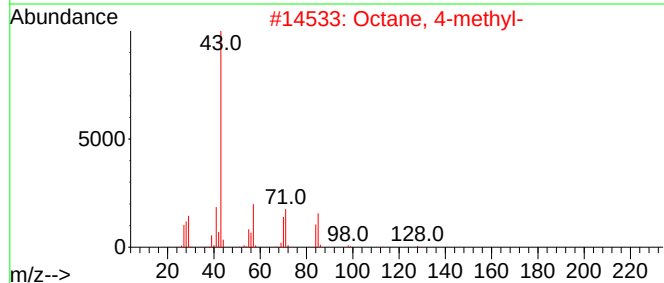
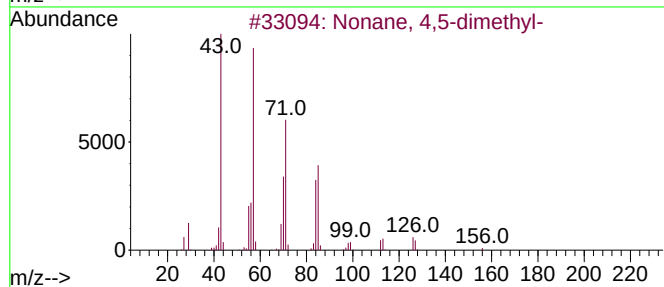
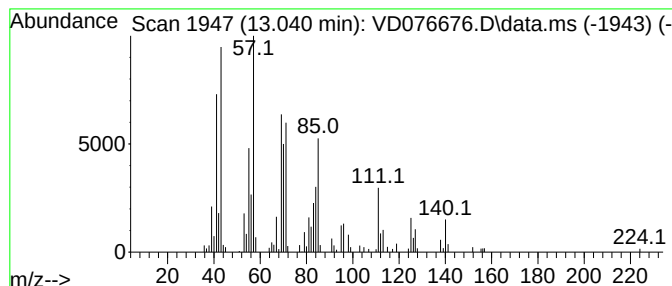
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.040	33.07 ug/L	144609	1,4-Dichlorobenzene-d4	13.516

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	64
2		Octane, 4-methyl-	128	C9H20	002216-34-4	52
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
4		2-Methyltetracosane	352	C25H52	001560-78-7	49
5		Oxalic acid, 6-ethyloct-3-yl eth...	258	C14H26O4	1000309-33-9	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

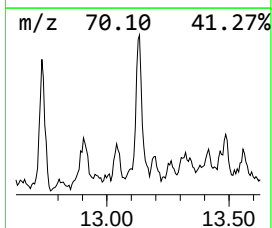
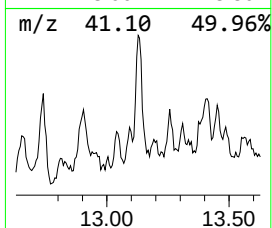
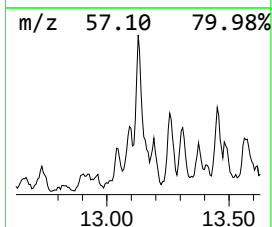
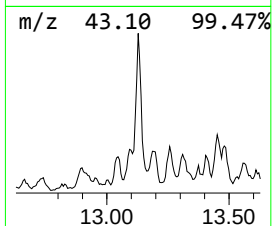
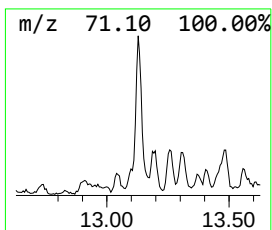
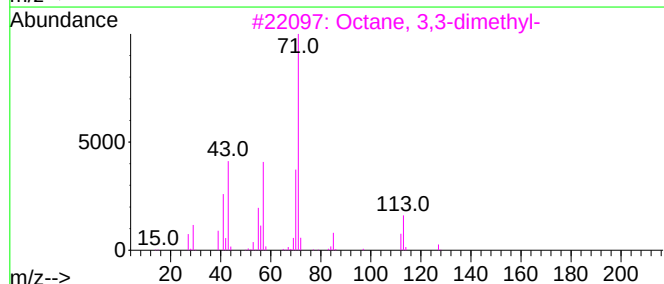
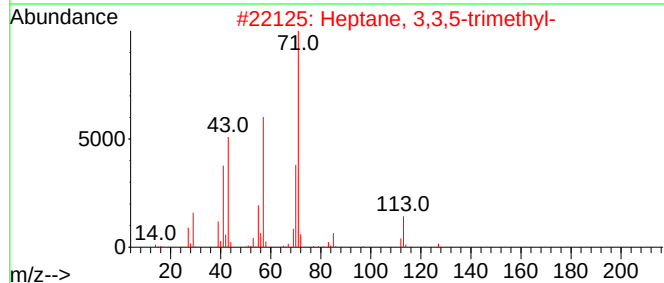
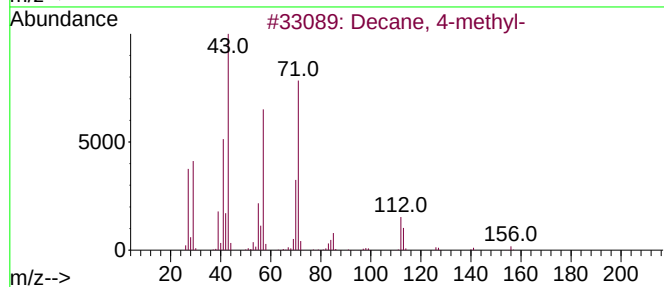
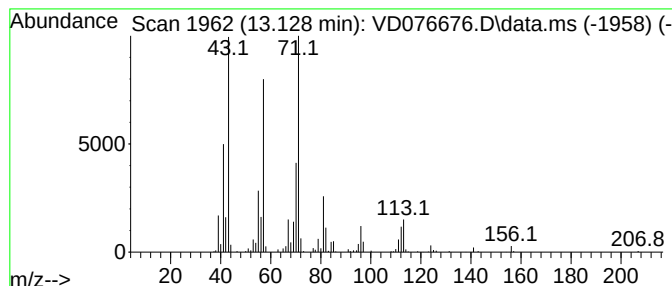
Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.128	126.27 ug/L	552144	1,4-Dichlorobenzene-d4		13.516	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	72
2	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	72
3	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	72
4	4-Methyl-3-heptanol, trifluoroac...		226	C10H17F3O2	1000365-51-8	64
5	Tridecane, 4-methyl-		198	C14H30	026730-12-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

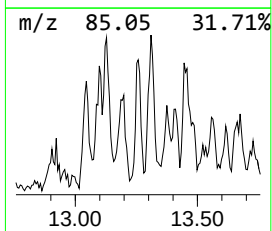
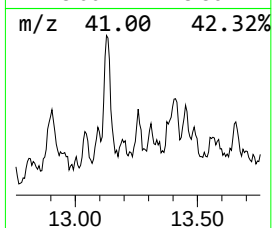
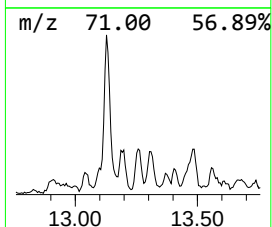
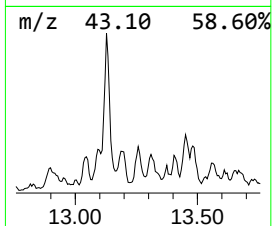
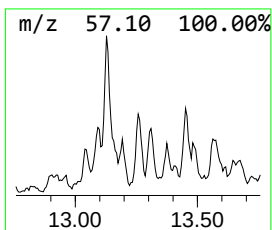
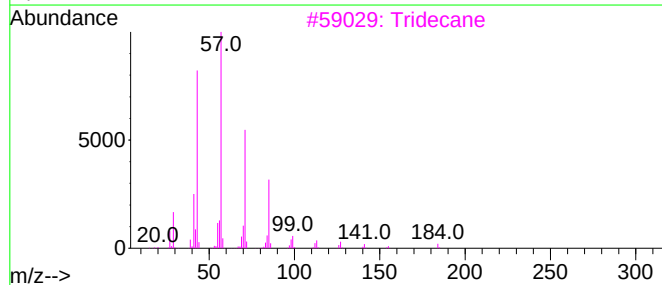
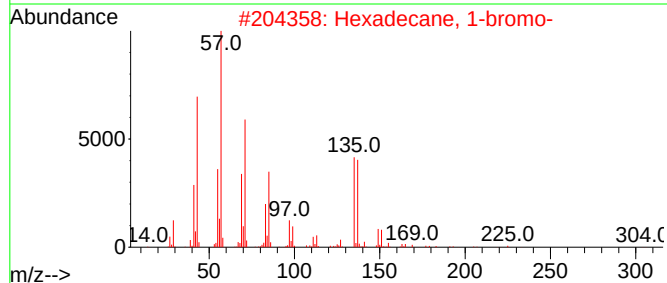
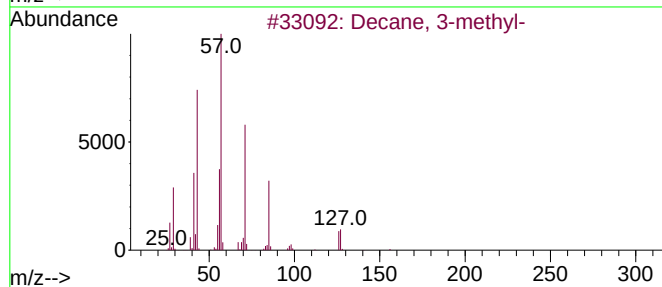
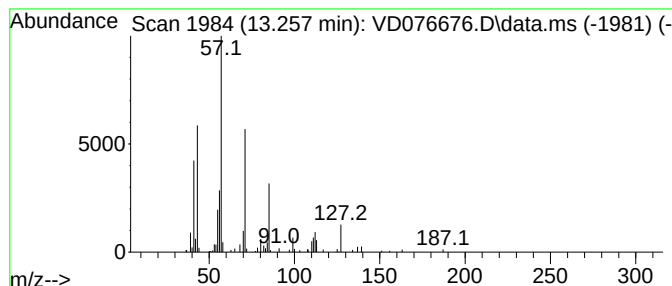
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	25.00 ug/L	109317	1,4-Dichlorobenzene-d4	13.516

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 3-methyl-	156	C11H24	013151-34-3	64
2		Hexadecane, 1-bromo-	304	C16H33Br	000112-82-3	59
3		Tridecane	184	C13H28	000629-50-5	59
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	53
5		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

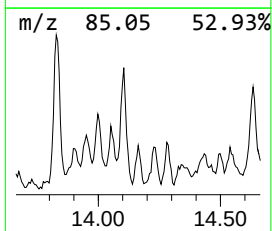
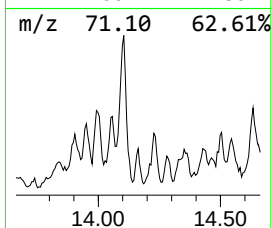
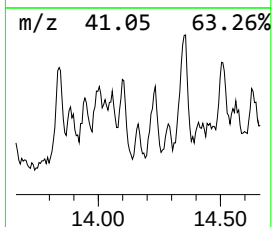
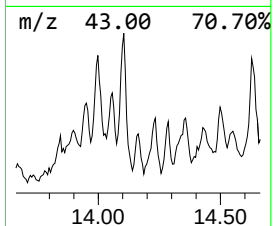
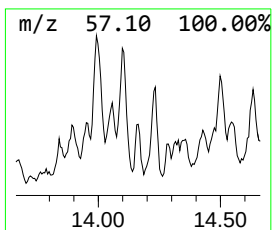
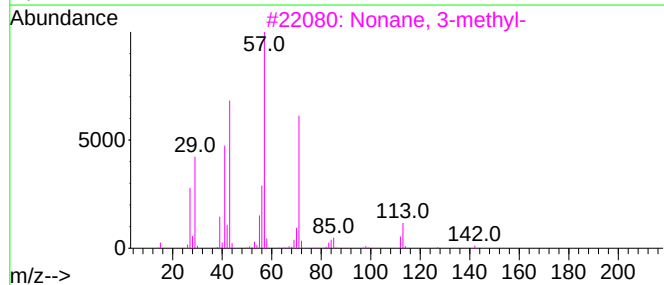
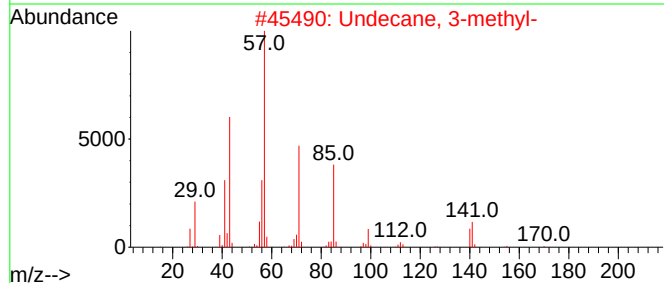
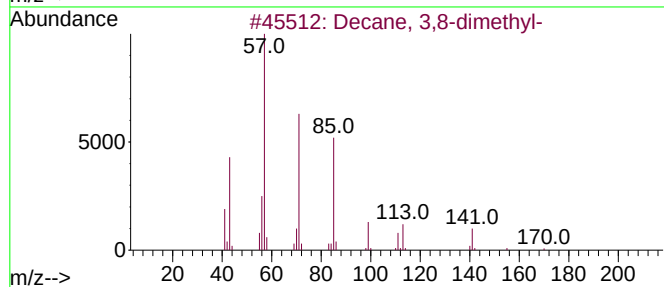
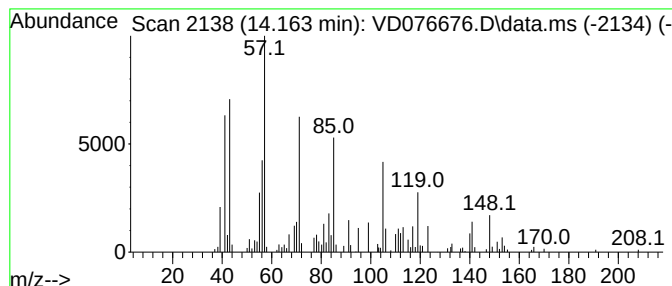
Instrument :
MSVOA_D
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.163	49.33 ug/L	215719	1,4-Dichlorobenzene-d4			13.516
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	64
2	Undecane, 3-methyl-		170	C12H26	001002-43-3	50
3	Nonane, 3-methyl-		142	C10H22	005911-04-6	46
4	Nonadecane, 9-methyl-		282	C20H42	013287-24-6	46
5	9-methylheptadecane		254	C18H38	026741-18-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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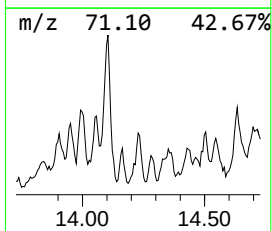
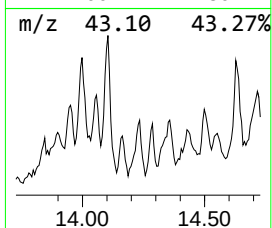
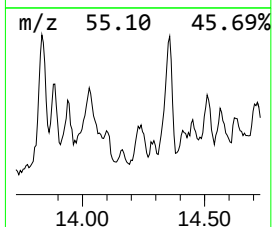
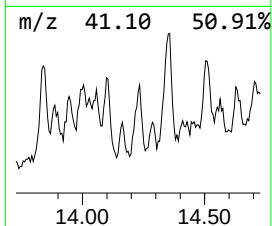
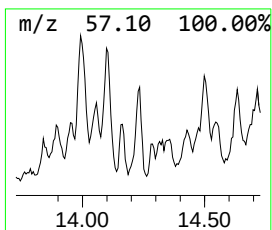
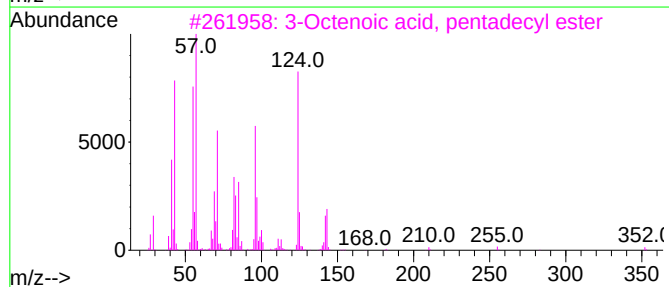
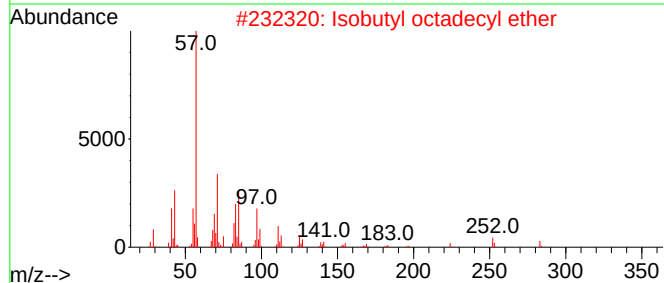
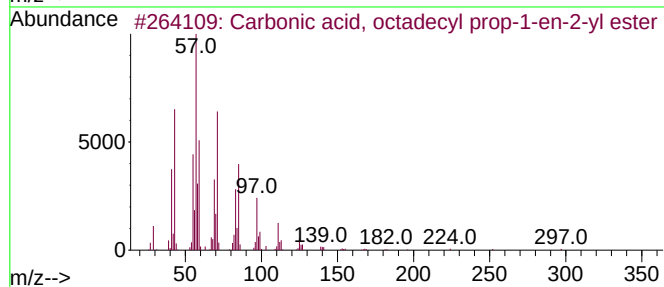
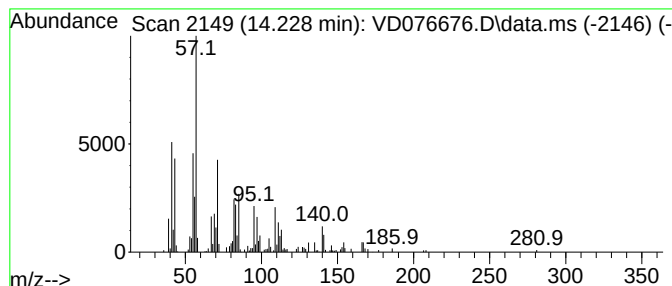
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 44 Carbonic acid, octadecyl pr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.228	91.53 ug/L	400249	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	53
2			Isobutyl octadecyl ether	326	C22H46O	1000406-32-9	52
3			3-Octenoic acid, pentadecyl ester	352	C23H44O2	1000406-13-4	50
4			3-Octenoic acid, heptadecyl ester	380	C25H48O2	1000406-13-6	50
5			Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

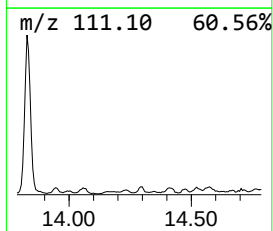
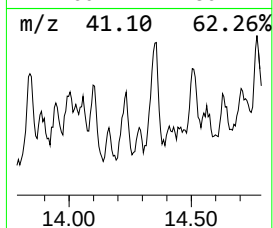
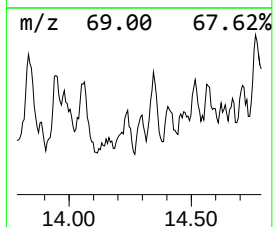
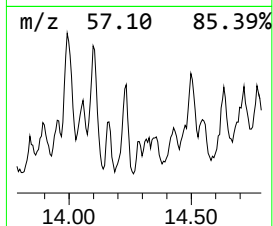
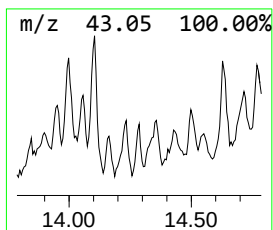
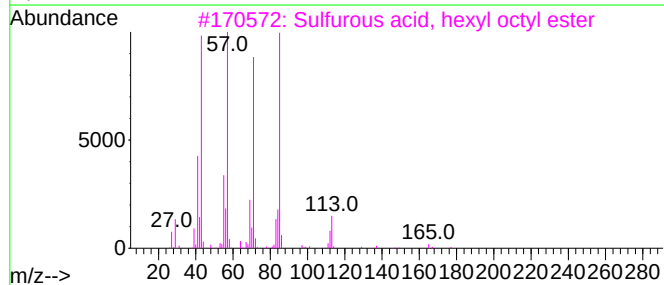
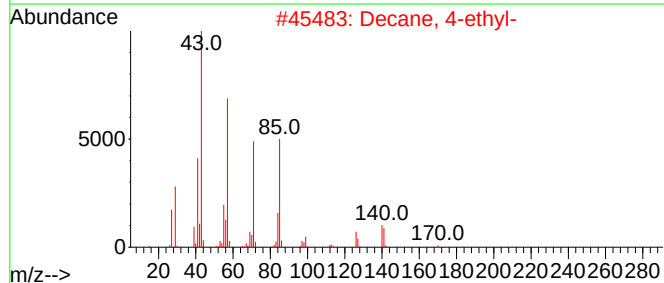
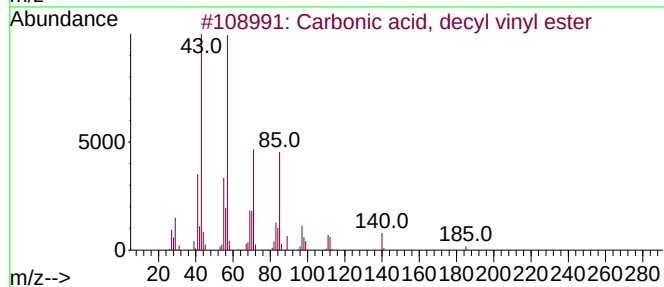
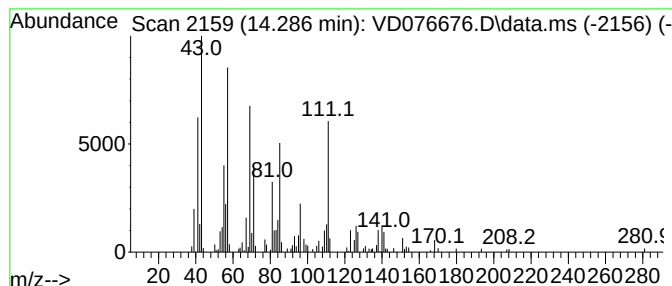
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 45 unknown-03 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.287	28.23 ug/L	123456	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, decyl vinyl ester	228	C13H24O3	1000383-25-7	38
2			Decane, 4-ethyl-	170	C12H26	001636-44-8	30
3			Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	27
4			5-Ethyldecane	170	C12H26	017302-36-2	25
5			Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

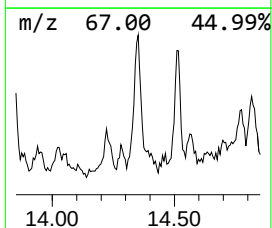
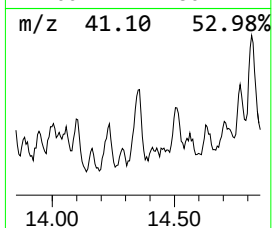
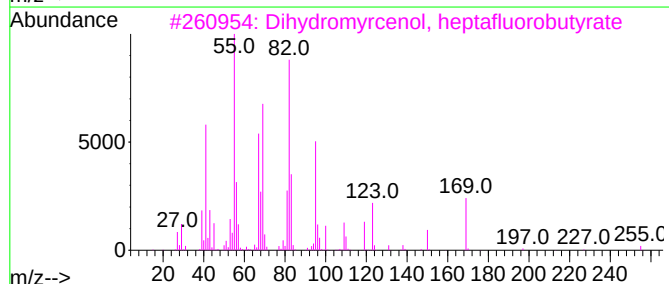
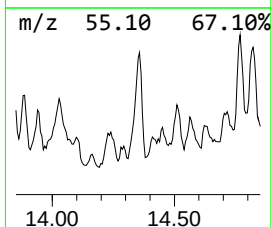
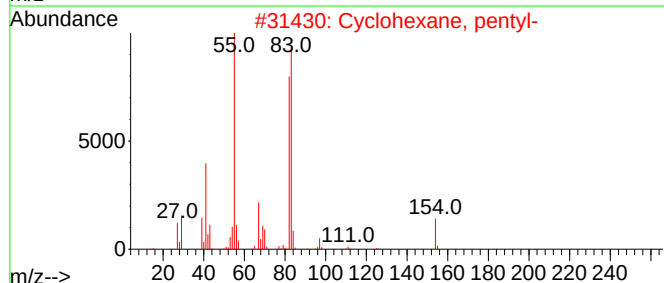
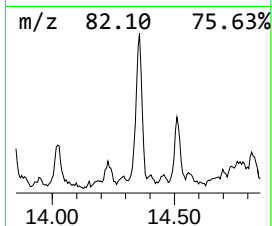
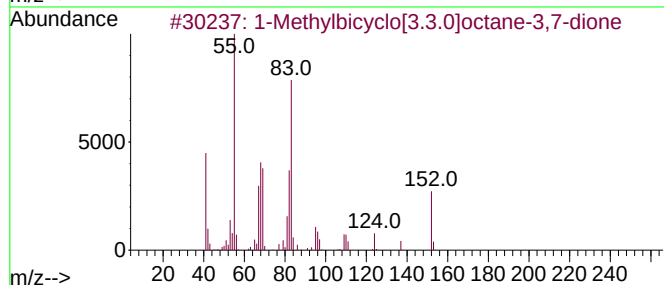
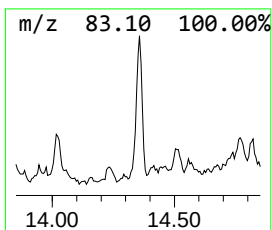
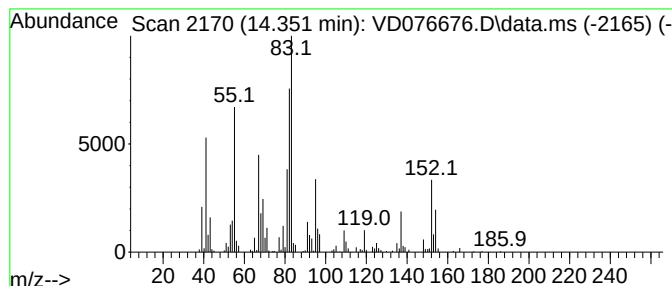
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 46 1-Methylbicyclo[3.3.0]octan... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.351	169.57 ug/L	741496	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	58
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3			Dihydromyrcenol, heptafluorobuty...	352	C14H19F7O2	1000463-72-0	49
4			Dihydromyrcenol, trifluoroacetate	252	C12H19F3O2	1000463-72-2	49
5			Cyclohexane, pentyl-	154	C11H22	004292-92-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076676.D
Acq On : 30 Jun 2023 21:26
Operator : KP/SY
Sample : 03472-12RE
Misc : 4.72G/10.0ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

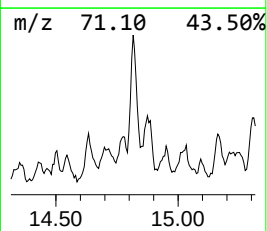
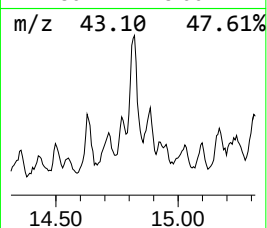
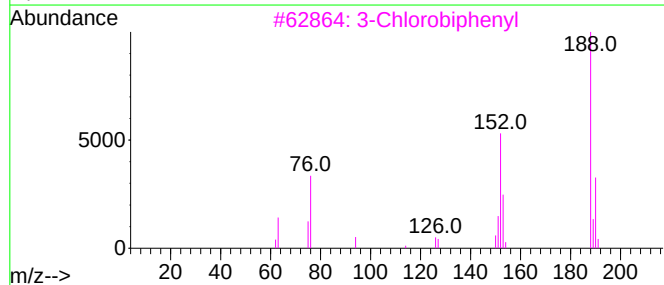
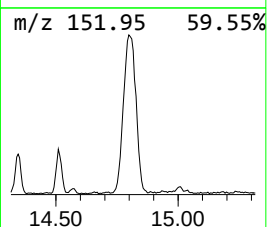
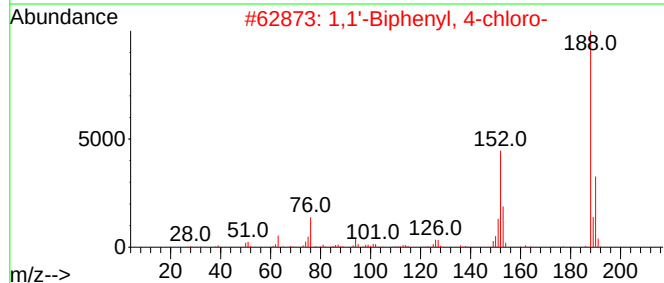
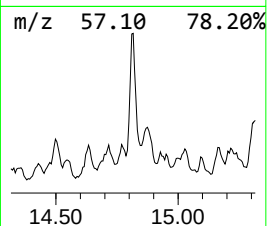
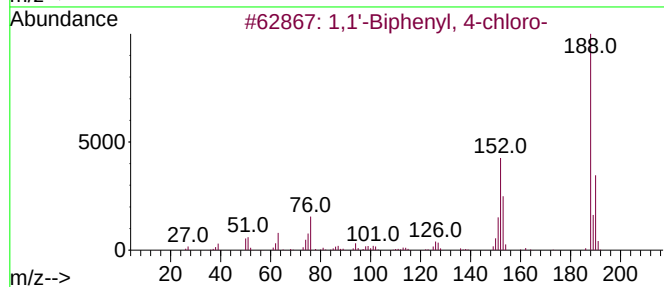
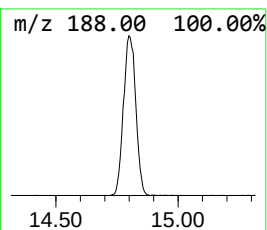
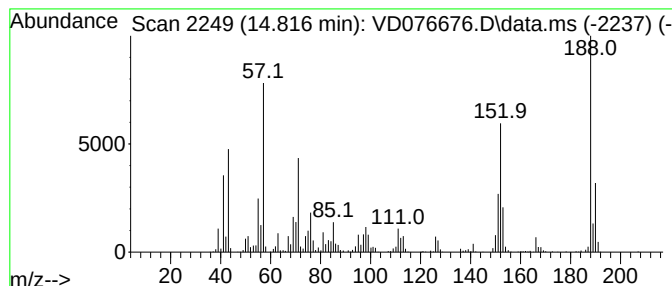
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 47 1,1'-Biphenyl, 4-chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.816	720.22 ug/L	3149310	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	90
2			1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	83
3			3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	70
4			3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	70
5			1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076676.D
 Acq On : 30 Jun 2023 21:26
 Operator : KP/SY
 Sample : 03472-12RE
 Misc : 4.72G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46S4RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Ethane, 1,2-dic...	3.687	15.4	ug/L	381071	1	8.775	618041	25.0
2-Ethyl-oxetane	5.834	3.5	ug/L	87026	1	8.775	618041	25.0
(DEL) Alkane: S...	7.957	3.6	ug/L	89352	1	8.775	618041	25.0
(DEL) Alkane: S...	8.081	6.6	ug/L	164198	1	8.775	618041	25.0
(DEL) Alkane: S...	8.410	50.9	ug/L	1258930	1	8.775	618041	25.0
(DEL) Alkane: S...	8.634	4.7	ug/L	114885	1	8.775	618041	25.0
(DEL) Alkane: S...	9.087	2.7	ug/L	65961	1	8.775	618041	25.0
(DEL) Alkane: S...	9.328	7.5	ug/L	186001	1	8.775	618041	25.0
(DEL) Alkane: S...	9.522	3.8	ug/L	93671	1	8.775	618041	25.0
(DEL) Alkane: C...	9.693	7.5	ug/L	186639	1	8.775	618041	25.0
(DEL) Alkane: S...	9.846	7.6	ug/L	188722	1	8.775	618041	25.0
(DEL) Alkane: S...	9.904	5.7	ug/L	140303	1	8.775	618041	25.0
(DEL) Alkane: S...	10.046	10.8	ug/L	266563	1	8.775	618041	25.0
unknown-01	10.157	1.5	ug/L	37690	1	8.775	618041	25.0
(DEL) Alkane: C...	10.393	2.1	ug/L	44839	2	11.581	528856	25.0
(DEL) Alkane: S...	10.457	16.6	ug/L	351828	2	11.581	528856	25.0
(DEL) Alkane: C...	10.610	20.9	ug/L	441943	2	11.581	528856	25.0
(DEL) Alkane: C...	10.704	20.3	ug/L	430161	2	11.581	528856	25.0
6-Methyl-2-hept...	10.975	3.1	ug/L	66062	2	11.581	528856	25.0
(DEL) Alkane: C...	11.057	11.4	ug/L	241423	2	11.581	528856	25.0
(DEL) Alkane: C...	11.128	15.8	ug/L	334716	2	11.581	528856	25.0
(DEL) Alkane: C...	11.181	41.1	ug/L	870336	2	11.581	528856	25.0
(DEL) Alkane: C...	11.234	10.2	ug/L	215766	2	11.581	528856	25.0
(DEL) Alkane: C...	11.387	32.5	ug/L	686812	2	11.581	528856	25.0
Carbonic acid, ...	11.469	2.5	ug/L	53551	2	11.581	528856	25.0
(DEL) Alkane: C...	11.716	16.2	ug/L	341762	2	11.581	528856	25.0
(DEL) Alkane: C...	11.769	11.9	ug/L	252528	2	11.581	528856	25.0
(DEL) Alkane: C...	11.828	50.6	ug/L	1069830	2	11.581	528856	25.0
Cyclohexene, 4-...	11.987	8.8	ug/L	186201	2	11.581	528856	25.0
(DEL) Alkane: C...	12.092	49.2	ug/L	1041690	2	11.581	528856	25.0
(DEL) Alkane: C...	12.257	10.1	ug/L	213458	2	11.581	528856	25.0
Cyclooctene, 3-...	12.293	17.4	ug/L	368259	2	11.581	528856	25.0
Cyclohexene, 1,...	12.510	8.8	ug/L	187074	2	11.581	528856	25.0
(DEL) Alkane: S...	12.740	98.1	ug/L	428947	3	13.516	109317	25.0
2,4-Heptadienal...	12.828	60.8	ug/L	265778	3	13.516	109317	25.0
unknown-02	12.904	71.9	ug/L	314452	3	13.516	109317	25.0
(DEL) Alkane: S...	13.040	33.1	ug/L	144609	3	13.516	109317	25.0
(DEL) Alkane: S...	13.128	126.3	ug/L	552144	3	13.516	109317	25.0
(DEL) Alkane: S...	13.257	25.0	ug/L	109317	3	13.516	109317	25.0
(DEL) Alkane: S...	14.163	49.3	ug/L	215719	3	13.516	109317	25.0
Carbonic acid, ...	14.228	91.5	ug/L	400249	3	13.516	109317	25.0
unknown-03	14.287	28.2	ug/L	123456	3	13.516	109317	25.0
1-Methylbicyclo...	14.351	169.6	ug/L	741496	3	13.516	109317	25.0
1,1'-Biphenyl, ...	14.816	720.2	ug/L	3149310	3	13.516	109317	25.0