

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
 Data File : VW026971.D
 Acq On : 31 Aug 2023 12:41
 Operator : SY/MD
 Sample : 04235-09
 Misc : 6.78g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYK0

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_W\Method\SFAMWLM081023SMA.M
 Title : SFAM01.0

Signal : TIC: VW026971.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.954	9	11	14	rVB4	4318	4935	0.16%	0.013%
2	2.137	38	41	42	rBV3	4296	4683	0.15%	0.012%
3	2.235	50	57	58	rBV7	14047	26650	0.86%	0.070%
4	2.363	72	78	94	rBV	96215	285682	9.20%	0.746%
5	2.838	154	156	157	rBV2	4818	4001	0.13%	0.010%
6	2.893	158	165	182	rVB	116799	370396	11.93%	0.967%
7	3.228	218	220	226	rVB7	2660	4782	0.15%	0.012%
8	3.381	242	245	249	rBV4	4536	6661	0.21%	0.017%
9	3.521	267	268	270	rVV2	2698	2450	0.08%	0.006%
10	3.594	278	280	283	rVB4	3320	3327	0.11%	0.009%
11	3.625	283	285	288	rBV4	2145	2812	0.09%	0.007%
12	3.832	314	319	322	rBV7	2635	4099	0.13%	0.011%
13	3.868	322	325	329	rVB6	1666	2416	0.08%	0.006%
14	4.027	336	351	363	rBV2	196805	741096	23.87%	1.934%
15	4.112	363	365	378	rVV	29486	73815	2.38%	0.193%
16	4.368	404	407	409	rBV4	3454	5309	0.17%	0.014%
17	4.399	409	412	416	rVV6	2826	4165	0.13%	0.011%
18	4.429	416	417	422	rVB5	4068	3840	0.12%	0.010%
19	4.496	426	428	430	rBV3	3301	3083	0.10%	0.008%
20	4.588	440	443	444	rBV3	2275	2425	0.08%	0.006%
21	4.643	448	452	455	rBV6	1173	2410	0.08%	0.006%
22	4.716	459	464	465	rBV5	2621	4658	0.15%	0.012%
23	4.740	465	468	471	rVB5	2780	4031	0.13%	0.011%
24	4.923	487	498	514	rBV2	60460	279148	8.99%	0.728%
25	5.143	531	534	535	rBV3	2996	3851	0.12%	0.010%
26	5.393	573	575	576	rBV2	2439	2182	0.07%	0.006%
27	5.417	576	579	582	rBV5	2492	3920	0.13%	0.010%
28	5.521	591	596	598	rVB6	2323	3478	0.11%	0.009%
29	5.545	598	600	602	rBV3	1968	2055	0.07%	0.005%
30	5.685	620	623	627	rBV6	2495	3041	0.10%	0.008%
31	5.734	627	631	633	rBV5	2111	3803	0.12%	0.010%
32	5.764	633	636	638	rVB4	2180	2360	0.08%	0.006%
33	5.789	638	640	643	rBV4	2286	2715	0.09%	0.007%
34	5.941	655	665	676	rBV2	32603	98274	3.17%	0.256%
35	6.088	686	689	692	rBV5	3469	6016	0.19%	0.016%
36	6.222	709	711	713	rVV3	2054	2257	0.07%	0.006%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Title : SFAM01.0

37	6.356	729	733	736	rBV6	1829	2232	0.07%	0.006%
38	6.514	756	759	762	rBV5	1819	2537	0.08%	0.007%
39	6.557	762	766	769	rBV6	1797	2548	0.08%	0.007%
40	7.075	843	851	858	rBV	113858	316114	10.18%	0.825%
41	7.648	935	945	957	rBV	537600	1361647	43.86%	3.553%
42	7.868	976	981	982	rBV5	4192	6399	0.21%	0.017%
43	7.929	988	991	992	rBV3	2492	2858	0.09%	0.007%
44	8.026	1005	1007	1009	rBV3	2777	2306	0.07%	0.006%
45	8.154	1023	1028	1036	rBV2	12815	27435	0.88%	0.072%
46	8.276	1036	1048	1065	rBV2	1036001	3104294	100.00%	8.101%
47	8.502	1084	1085	1086	rBV	3753	2247	0.07%	0.006%
48	8.697	1110	1117	1126	rBV5	19568	46686	1.50%	0.122%
49	8.843	1132	1141	1158	rBV	1204888	2397010	77.22%	6.255%
50	9.032	1170	1172	1174	rBV3	3636	4465	0.14%	0.012%
51	9.081	1174	1180	1189	rVB5	23493	55699	1.79%	0.145%
52	9.166	1193	1194	1196	rBV2	4119	3143	0.10%	0.008%
53	9.276	1203	1212	1222	rBV	752475	1556014	50.12%	4.061%
54	10.032	1330	1336	1342	rBV	377613	675243	21.75%	1.762%
55	10.325	1377	1384	1392	rBV	1296955	2329821	75.05%	6.080%
56	10.501	1410	1413	1419	rVB2	32750	47018	1.51%	0.123%
57	10.575	1420	1425	1435	rVB	234603	411238	13.25%	1.073%
58	10.703	1442	1446	1453	rVB	21596	37582	1.21%	0.098%
59	10.861	1466	1472	1477	rBV	149306	269663	8.69%	0.704%
60	10.922	1477	1482	1489	rBV	326346	565330	18.21%	1.475%
61	11.629	1592	1598	1608	rVB	1502164	2518290	81.12%	6.572%
62	11.836	1628	1632	1636	rBV2	66542	117778	3.79%	0.307%
63	12.611	1754	1759	1766	rVB8	83319	207086	6.67%	0.540%
64	12.690	1767	1772	1779	rVB	670864	1080281	34.80%	2.819%
65	12.928	1807	1811	1816	rVV2	166040	286223	9.22%	0.747%
66	13.025	1817	1827	1845	rVB3	381224	1949320	62.79%	5.087%
67	13.251	1858	1864	1868	rBV2	424109	905971	29.18%	2.364%
68	13.556	1908	1914	1923	rVB2	1239304	2230307	71.85%	5.820%
69	13.787	1949	1952	1955	rBV2	53000	72217	2.33%	0.188%
70	13.848	1957	1962	1971	rBV2	954655	1955598	63.00%	5.103%
71	14.007	1985	1988	1990	rBV2	65887	91153	2.94%	0.238%
72	14.092	1999	2002	2007	rVB	127257	176882	5.70%	0.462%
73	14.202	2015	2020	2025	rBV3	127160	242888	7.82%	0.634%
74	14.336	2038	2042	2046	rBV3	73112	117938	3.80%	0.308%
75	14.379	2046	2049	2052	rVV4	76297	112222	3.62%	0.293%
76	14.415	2052	2055	2058	rVV2	110575	165833	5.34%	0.433%

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 Title : SFAM01.0

77	14.452	2058	2061	2065	rVV	208584	269467	8.68%	0.703%
78	14.495	2065	2068	2071	rVV2	84752	119338	3.84%	0.311%
79	14.537	2071	2075	2082	rVB6	113512	225152	7.25%	0.588%
80	14.635	2088	2091	2095	rVB2	88294	134518	4.33%	0.351%
81	14.684	2095	2099	2101	rBV3	86753	134158	4.32%	0.350%
82	14.714	2101	2104	2110	rVB2	335917	502455	16.19%	1.311%
83	14.787	2111	2116	2122	rBV2	436736	892443	28.75%	2.329%
84	14.952	2139	2143	2149	rVB2	109066	169073	5.45%	0.441%
85	15.055	2152	2160	2165	rBV3	210996	479299	15.44%	1.251%
86	15.171	2173	2179	2188	rBV4	192531	525867	16.94%	1.372%
87	15.318	2198	2203	2205	rBV3	155544	261292	8.42%	0.682%
88	15.360	2205	2210	2216	rVB	635004	1147053	36.95%	2.993%
89	15.464	2222	2227	2232	rBV3	128867	250731	8.08%	0.654%
90	15.543	2236	2240	2249	rVB	465704	784524	25.27%	2.047%
91	15.647	2251	2257	2264	rVV2	172306	336098	10.83%	0.877%
92	15.720	2265	2269	2274	rVB3	77229	130535	4.20%	0.341%
93	15.817	2281	2285	2288	rBV	58898	86956	2.80%	0.227%
94	15.939	2302	2305	2310	rVB3	75865	122514	3.95%	0.320%
95	16.019	2311	2318	2323	rVV4	84430	215893	6.95%	0.563%
96	16.159	2332	2341	2346	rBV8	102821	307652	9.91%	0.803%
97	16.275	2355	2360	2366	rVB	96690	160871	5.18%	0.420%
98	16.433	2379	2386	2391	rBV	748573	1606092	51.74%	4.191%
99	16.482	2391	2394	2406	rVB	471100	854532	27.53%	2.230%
100	16.634	2411	2419	2432	rVB	481909	1162051	37.43%	3.033%

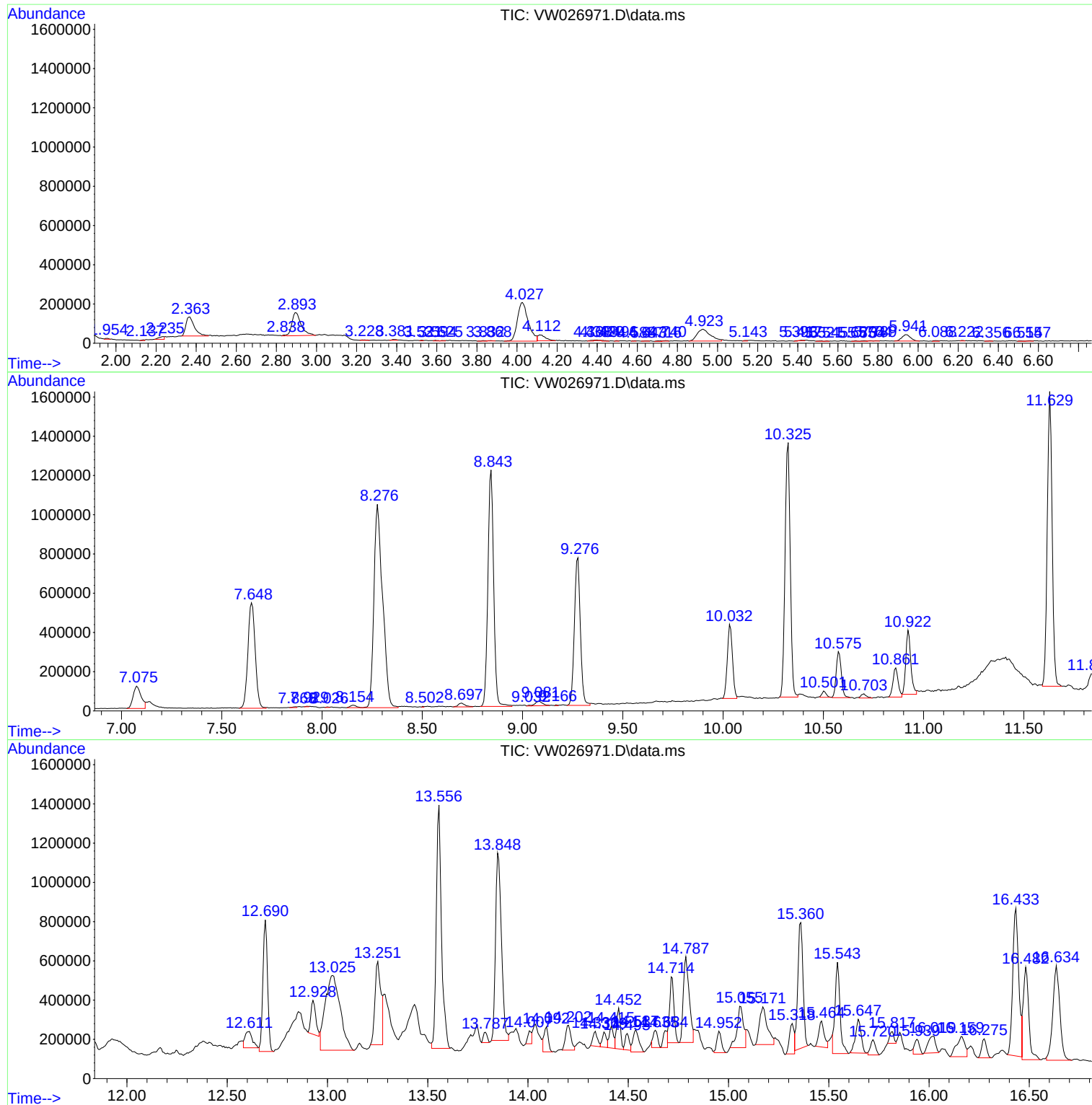
Sum of corrected areas: 38318906

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.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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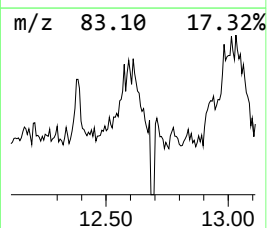
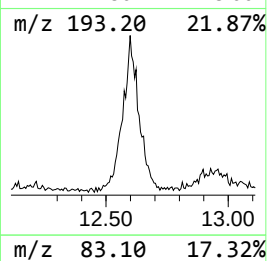
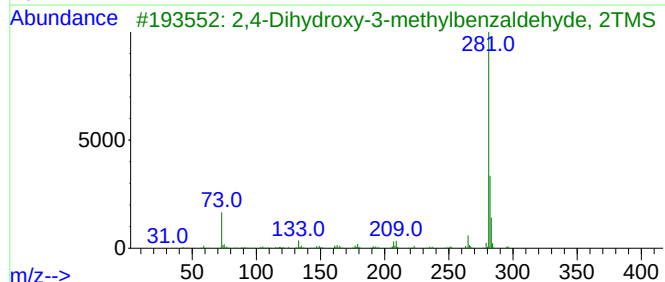
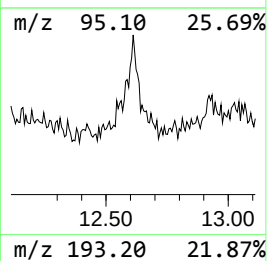
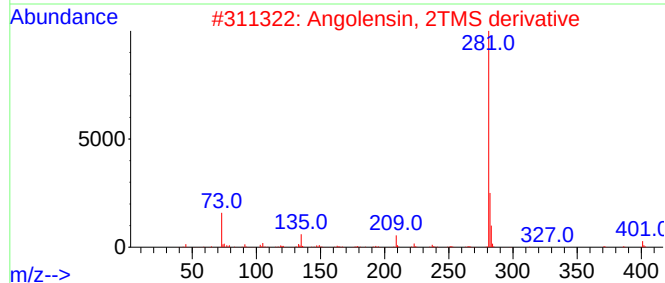
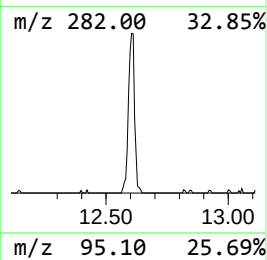
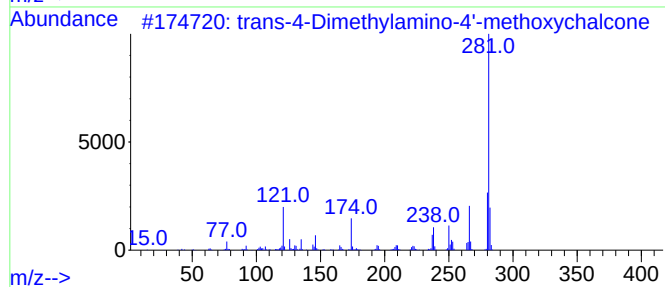
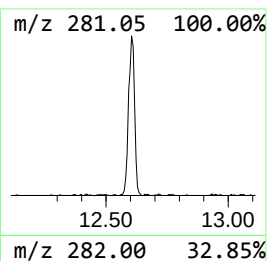
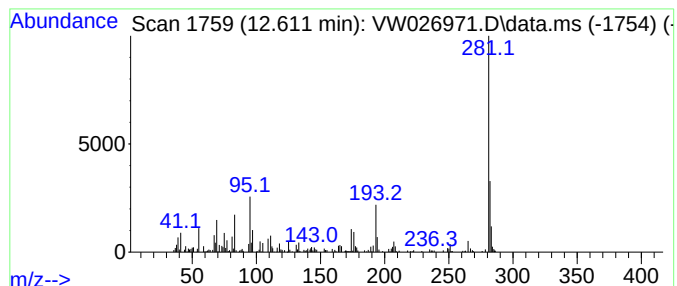
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.611	2.32 ug/L	207086	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-4-Dimethylamino-4'-methoxy...	281	C18H19NO2	052119-37-6	47
2			Angolensin, 2TMS derivative	416	C22H32O4Si2	1000488-62-3	47
3			2,4-Dihydroxy-3-methylbenzaldehy...	296	C14H24O3Si2	1000514-43-5	47
4			Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	47
5			1-(2,4-Dihydroxyphenyl)-2-(3,4-d...	432	C22H32O5Si2	1010477-14-4	47



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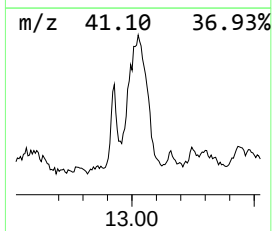
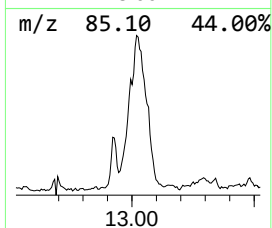
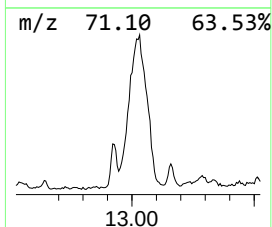
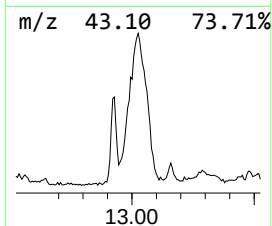
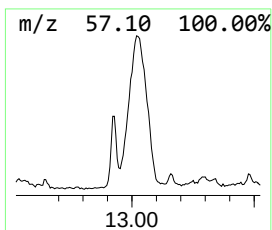
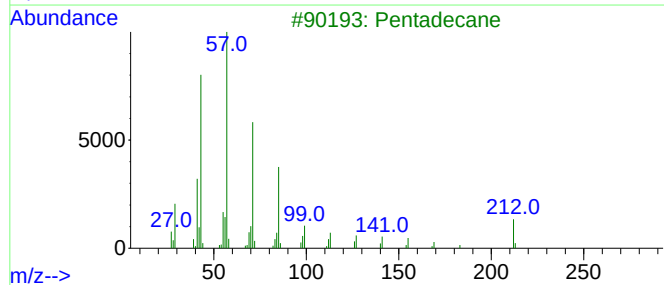
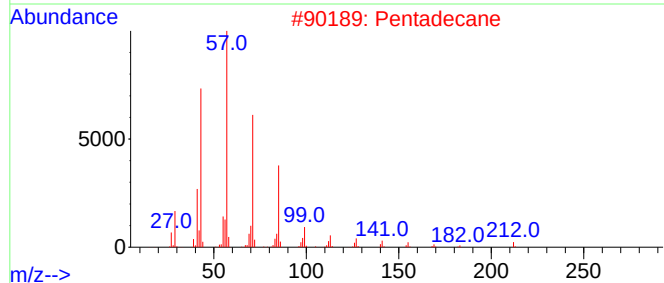
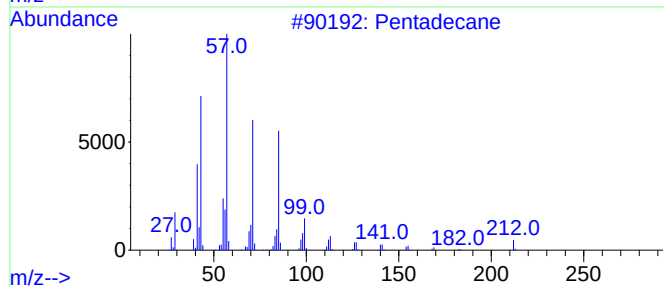
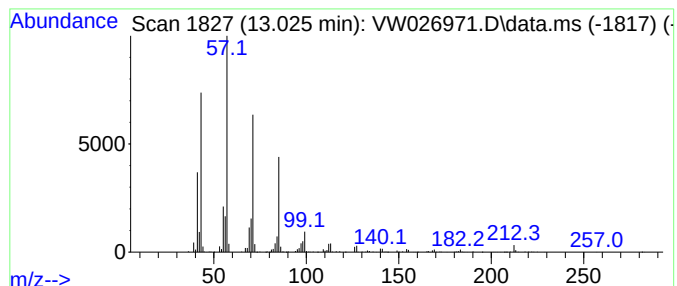
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.025	21.85 ug/L	1949320	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	96
2			Pentadecane	212	C15H32	000629-62-9	93
3			Pentadecane	212	C15H32	000629-62-9	90
4			Pentadecane	212	C15H32	000629-62-9	90
5			Nonadecane	268	C19H40	000629-92-5	90



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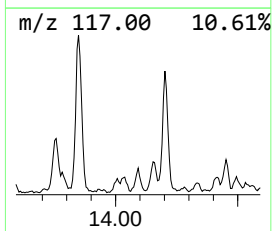
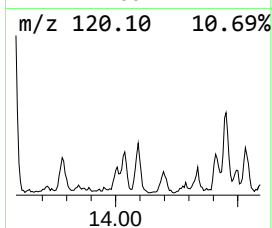
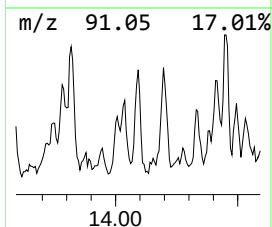
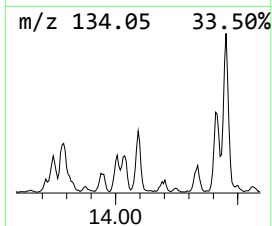
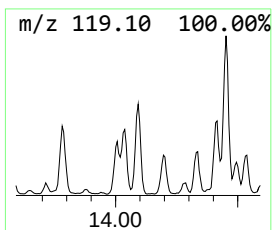
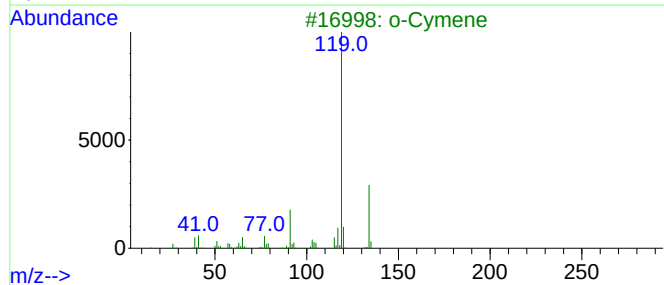
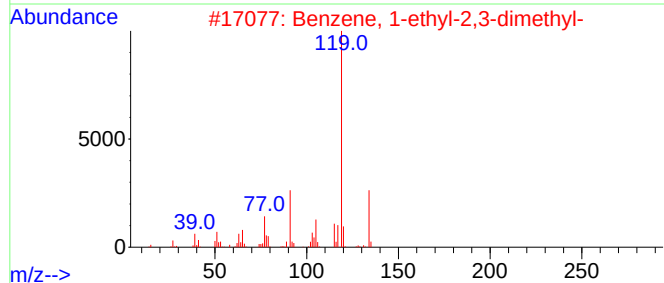
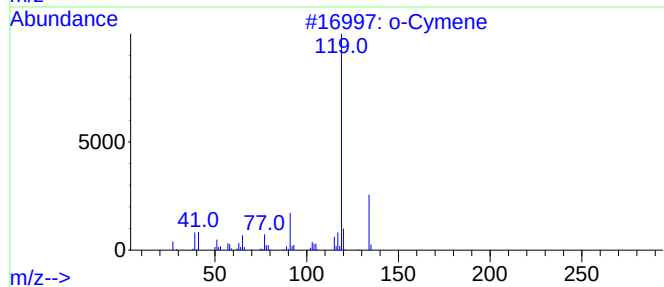
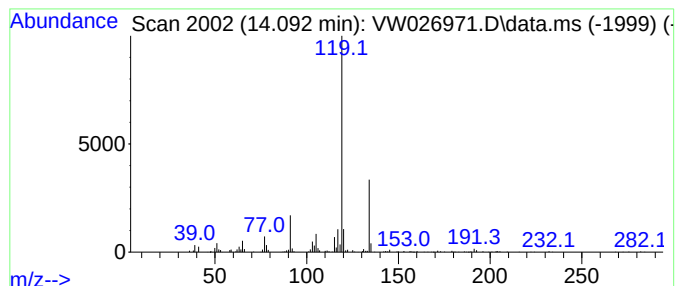
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 o-Cymene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	1.98 ug/L	176882	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3			o-Cymene	134	C10H14	000527-84-4	94
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

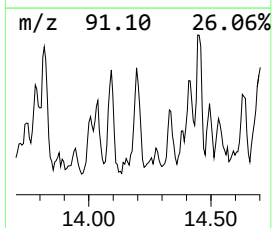
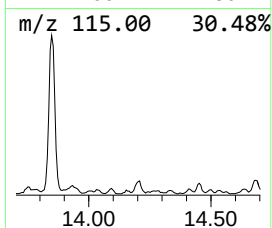
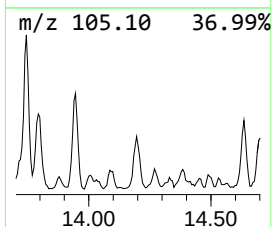
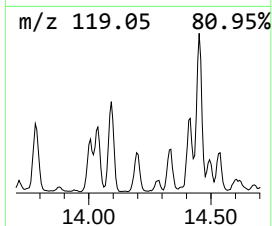
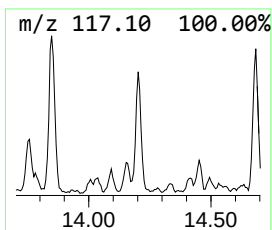
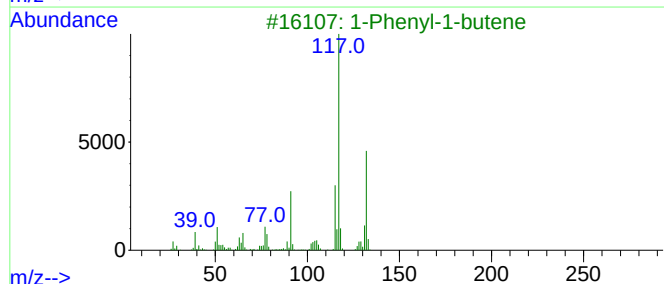
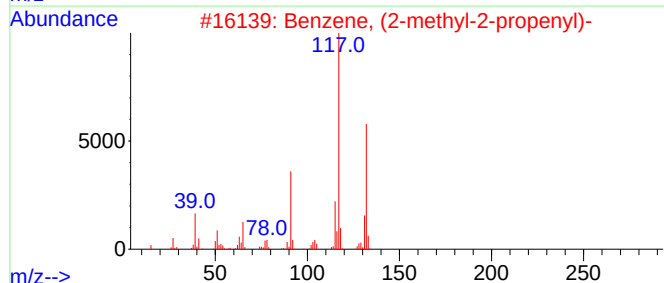
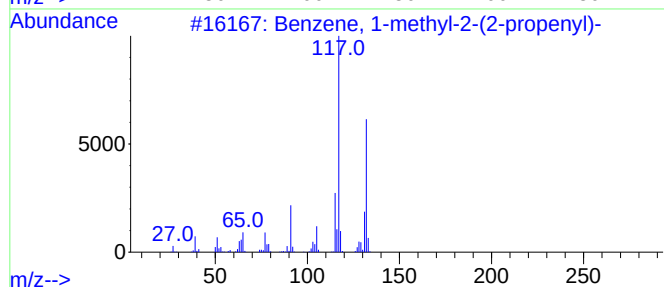
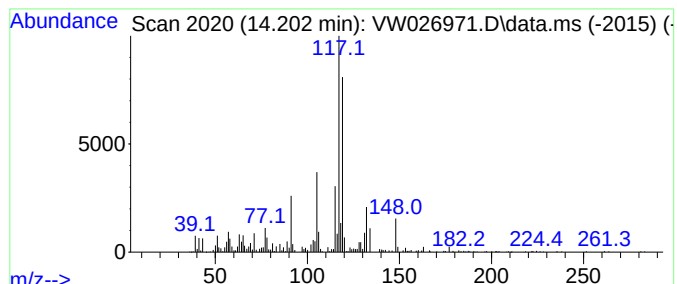
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Quant Title : SFAM01.0

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

Peak Number 5 Benzene, 1-methyl-2-(2-prop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	2.72 ug/L	242888	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
2			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	50
3			1-Phenyl-1-butene	132	C10H12	000824-90-8	50
4			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	50
5			1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

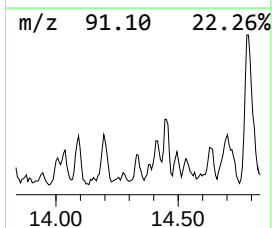
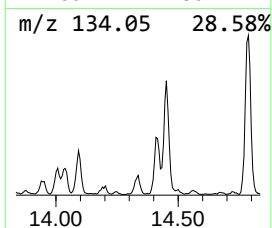
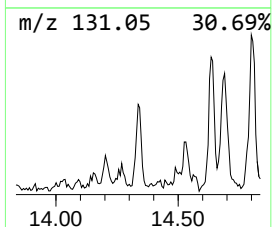
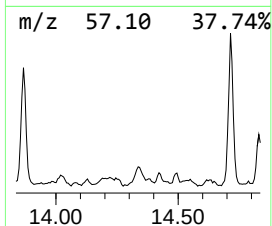
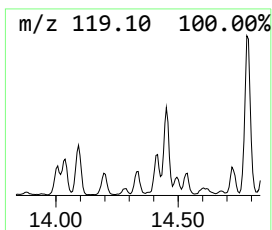
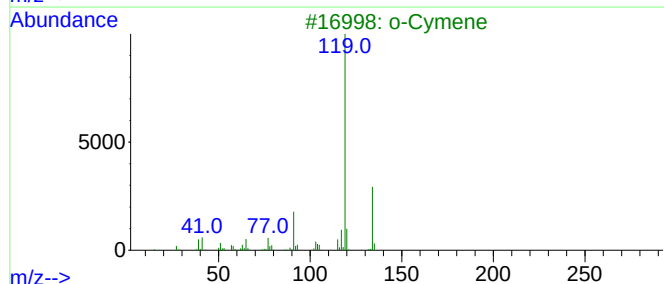
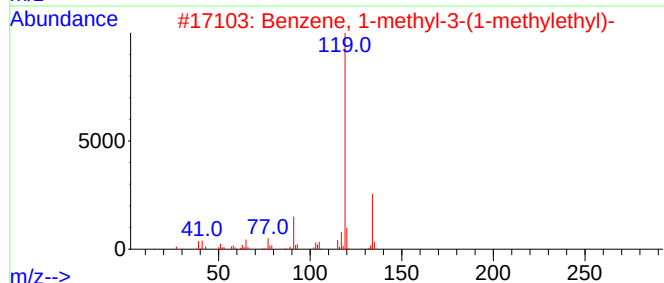
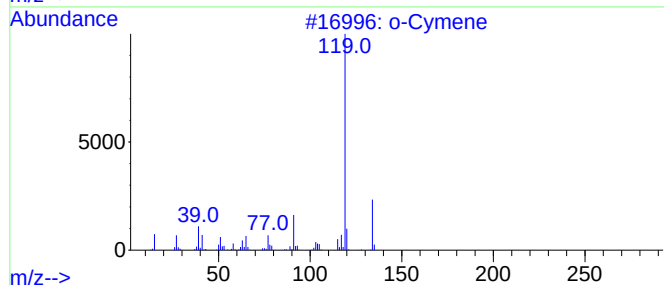
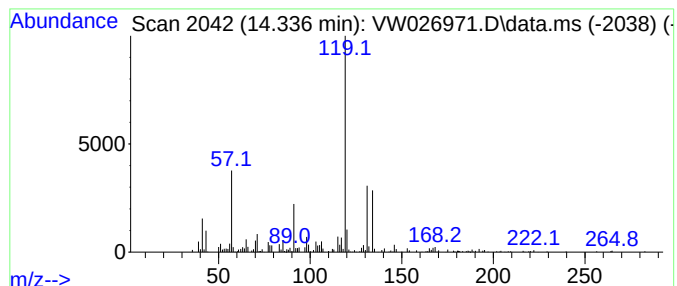
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Quant Title : SFAM01.0

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

Peak Number 6 Benzene, 1-methyl-3-(1-meth... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	1.32 ug/L	117938	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	81
2			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
3			o-Cymene	134	C10H14	000527-84-4	76
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	74
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

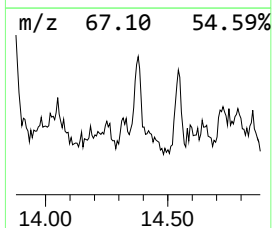
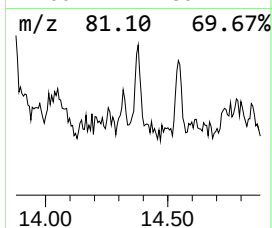
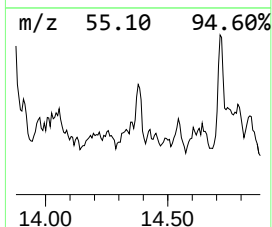
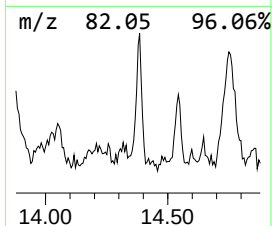
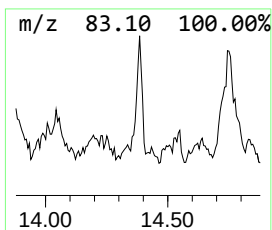
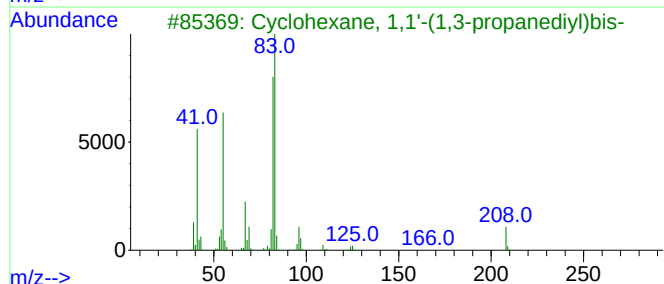
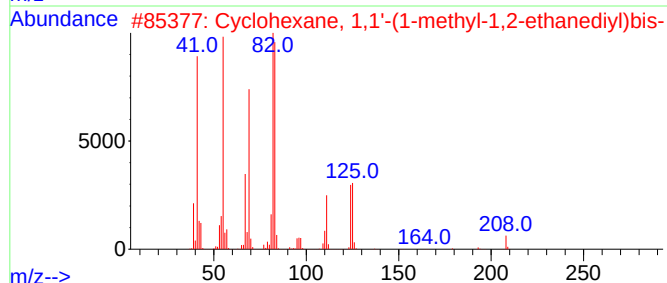
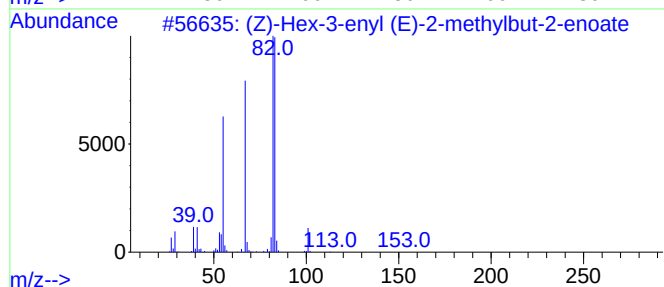
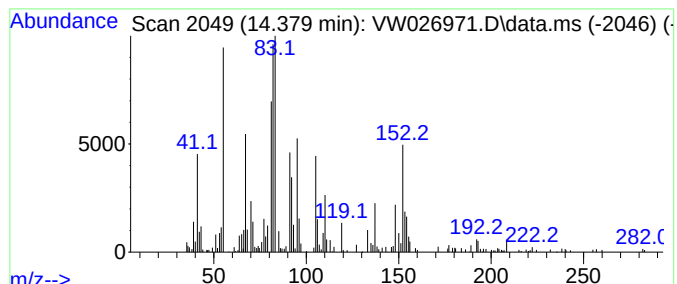
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Quant Title : SFAM01.0

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

Peak Number 7 unknown-02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	1.26 ug/L	112222	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	067883-79-8	43		
2	Cyclohexane, 1,1'-(1-methyl-1,2-...	208	C15H28	041851-34-7	43		
3	Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	38		
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38		
5	Succinic acid, trans-hex-3-enyl ...	354	C21H38O4	1010353-43-4	27		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

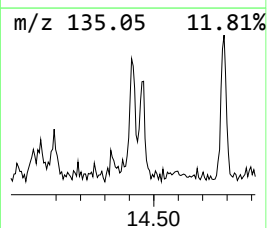
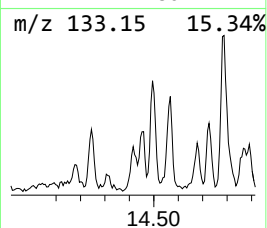
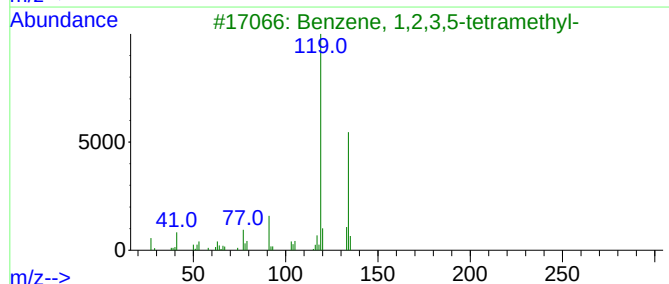
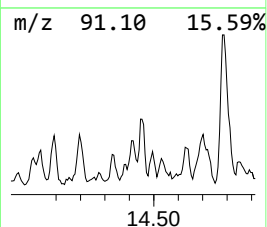
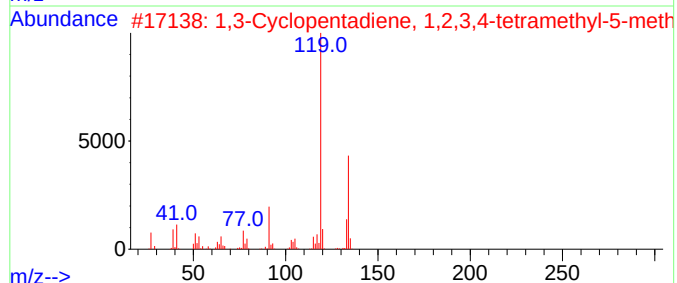
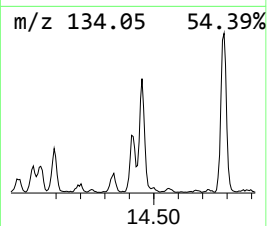
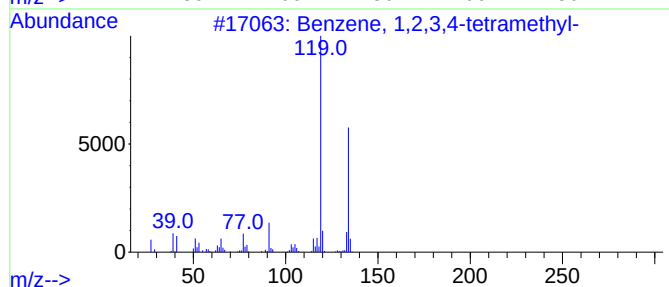
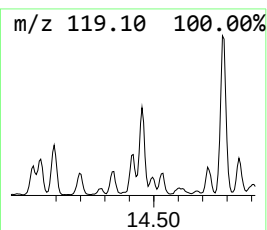
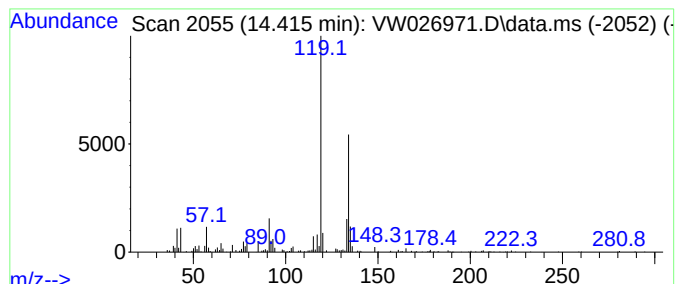
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Quant Title : SFAM01.0

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

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.415	1.86 ug/L	165833	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
2			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4			1,3,8-p-Menthatriene	134	C10H14	018368-95-1	90
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

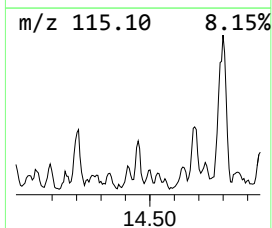
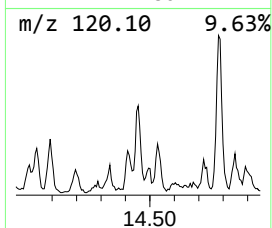
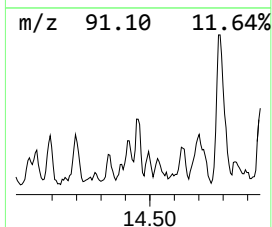
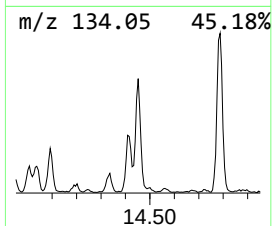
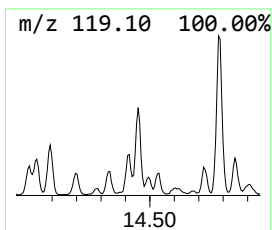
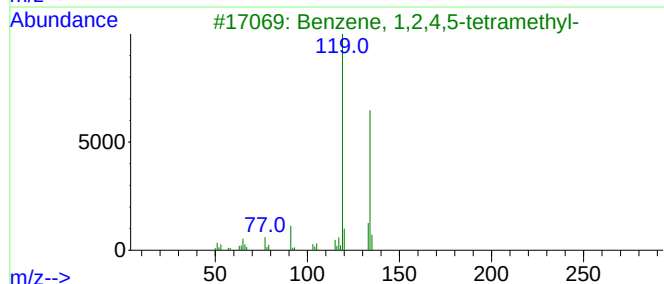
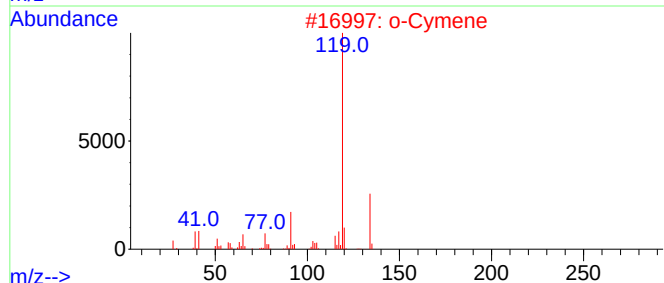
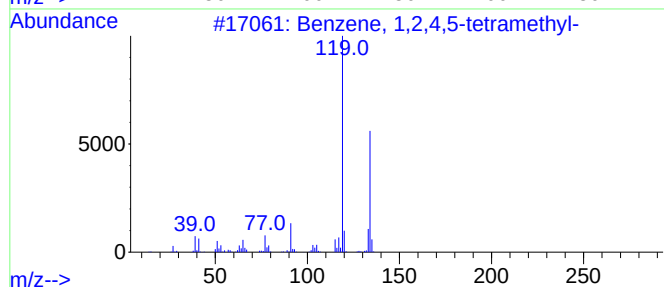
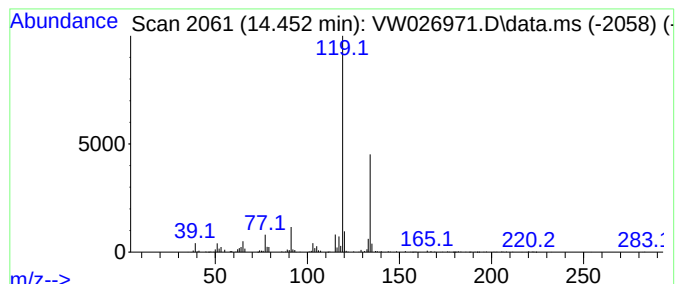
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Quant Title : SFAM01.0

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

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	3.02 ug/L	269467	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2			o-Cymene	134	C10H14	000527-84-4	95
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

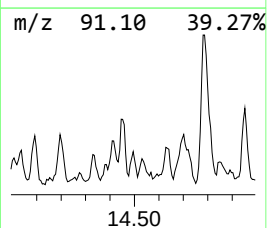
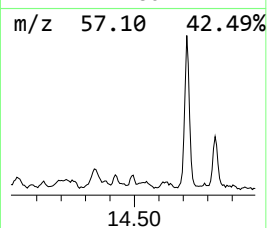
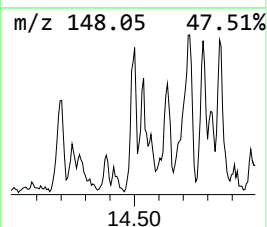
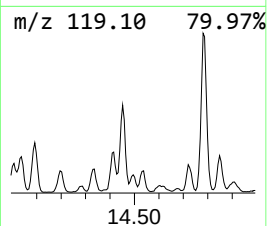
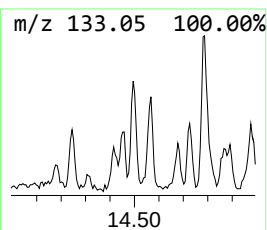
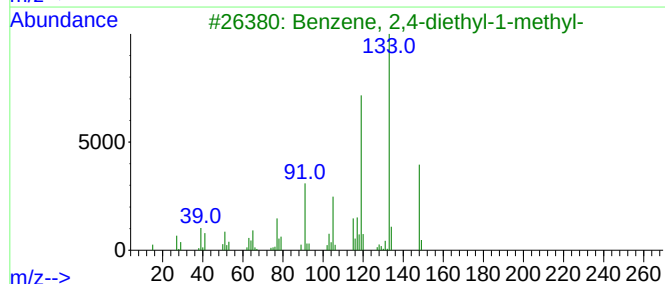
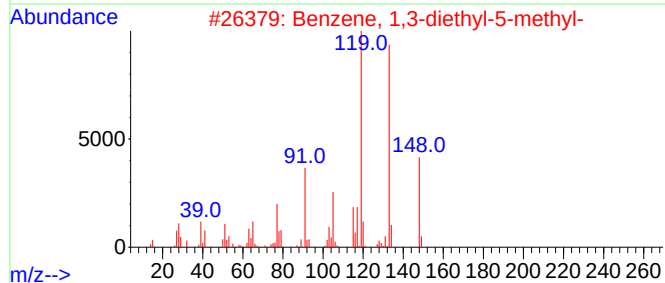
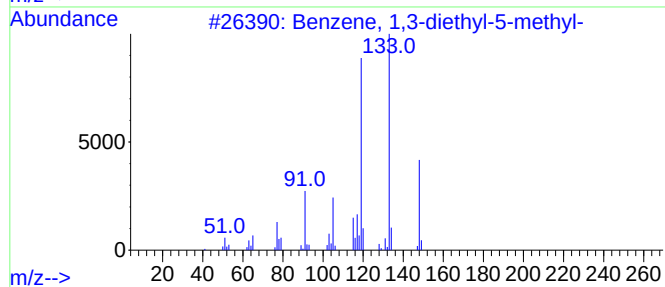
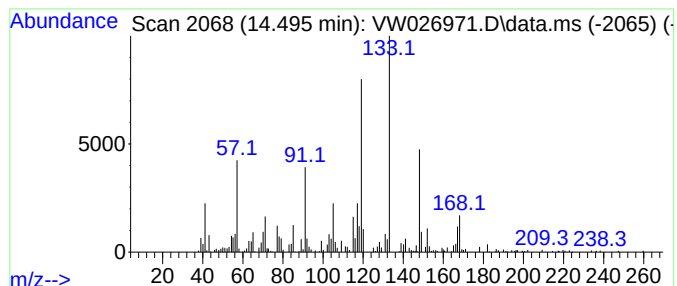
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Quant Title : SFAM01.0

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

Peak Number 10 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	1.34 ug/L	119338	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	93
3			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	93
4			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
5			3,4-Dimethylcumene	148	C11H16	1000370-34-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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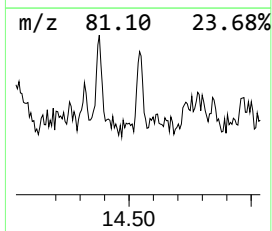
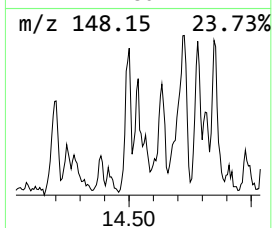
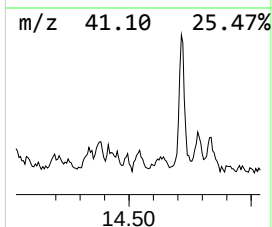
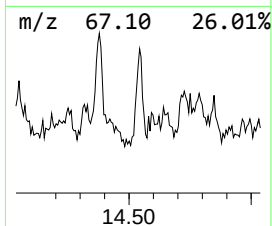
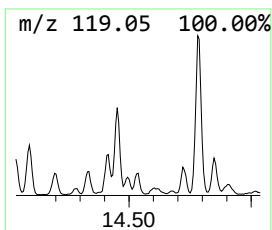
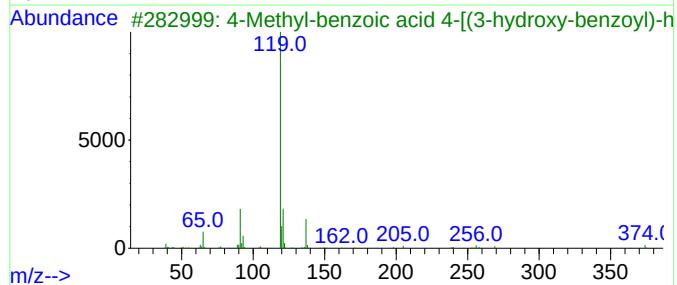
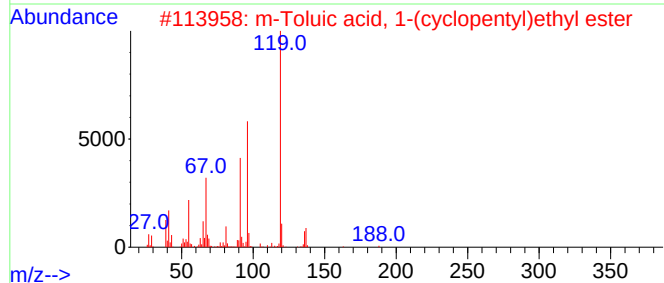
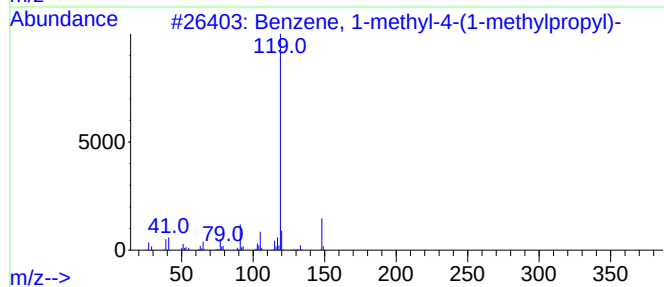
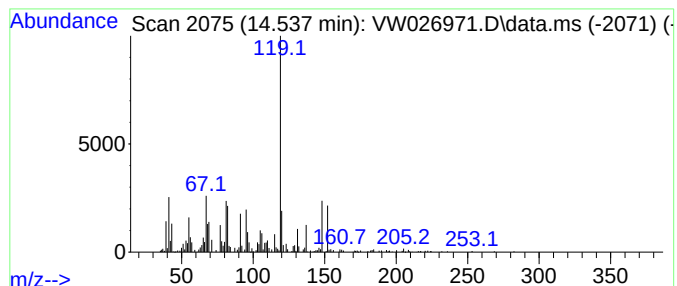
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Quant Title : SFAM01.0

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

Peak Number 11 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.537	2.52 ug/L	225152	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
2			m-Toluic acid, 1-(cyclopentyl)et...	232	C15H20O2	1000293-33-0	35
3			4-Methyl-benzoic acid 4-[(3-hydr...	374	C22H18N2O4	1000295-72-2	35
4			Benzene, isocyanato-	119	C7H5NO	000103-71-9	27
5			2-Methylbenzoic acid, 3-chloroph...	246	C14H11ClO2	1000325-60-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

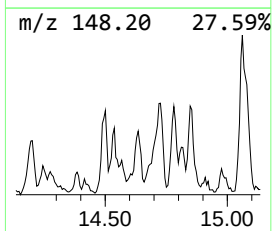
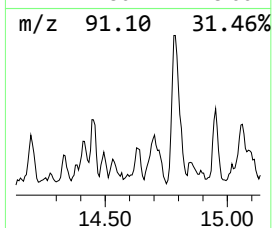
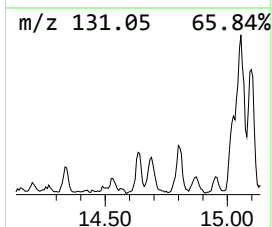
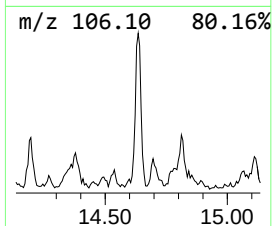
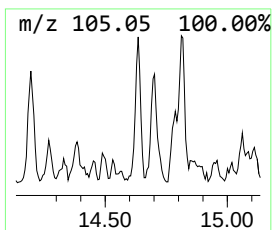
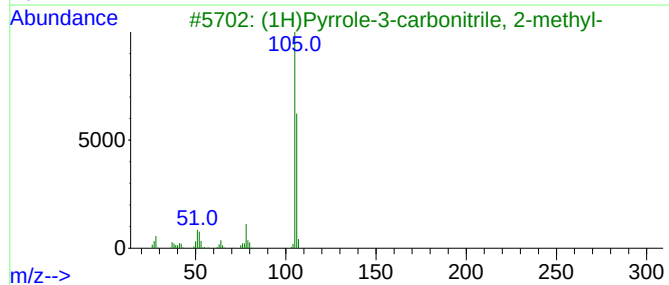
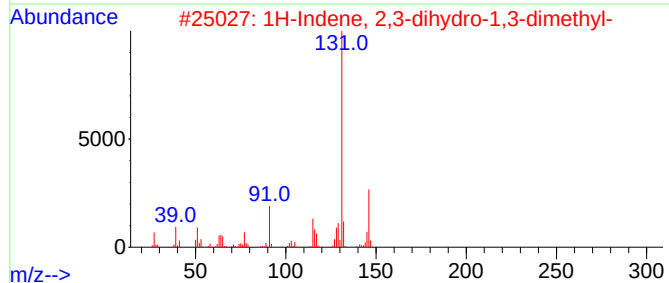
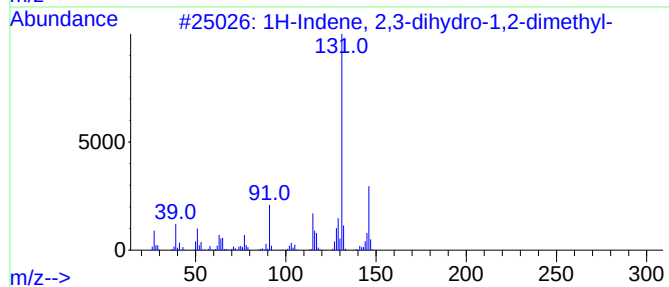
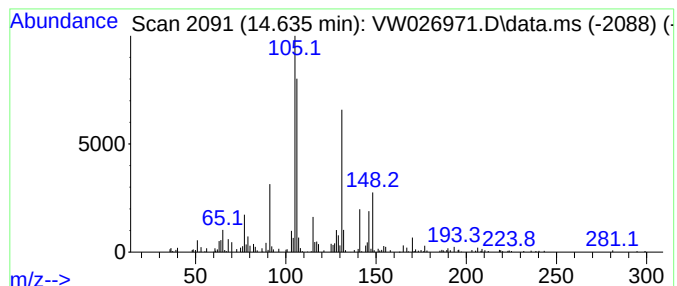
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Quant Title : SFAM01.0

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

Peak Number 12 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.635	1.51 ug/L	134518	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	50		
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	43		
3	(1H)Pyrrole-3-carbonitrile, 2-me...	106	C6H6N2	026187-27-9	38		
4	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	30		
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	25		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

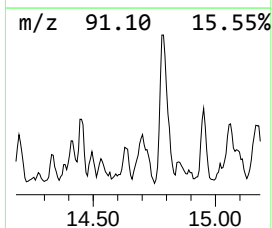
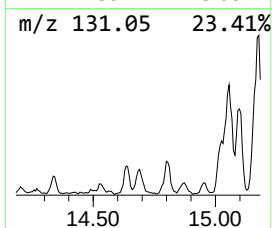
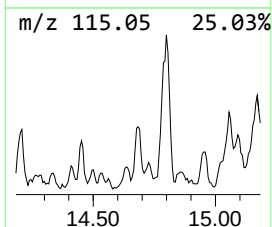
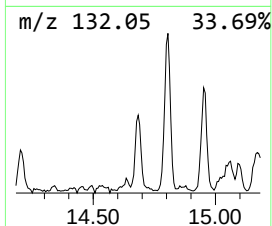
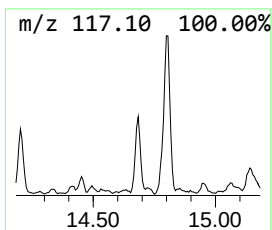
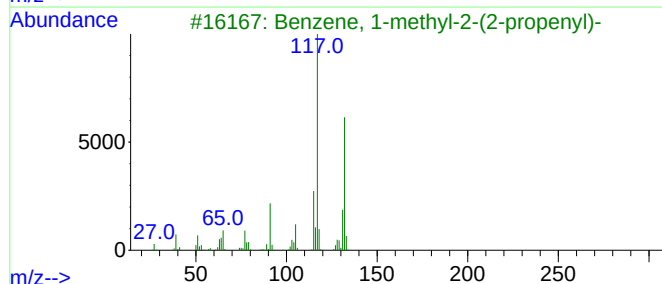
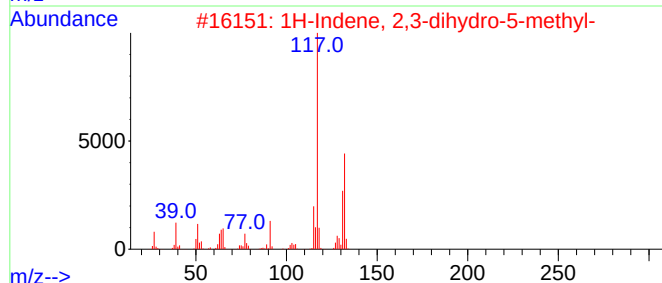
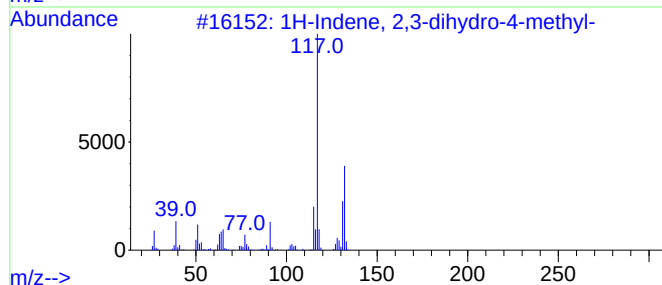
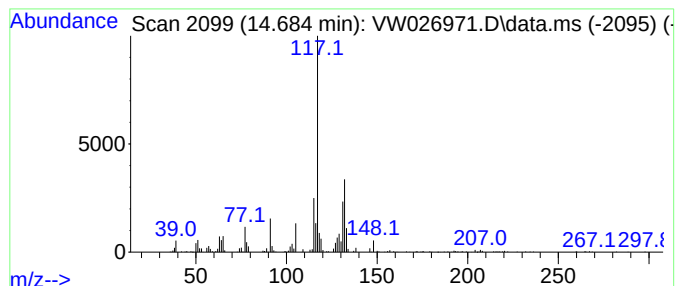
Instrument :
MSVOA_W
ClientSampleId :
EZYK0

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Quant Title : SFAM01.0

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

Peak Number 13 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.684	1.50 ug/L	134158	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-		132	C10H12	000824-22-6	83
2	1H-Indene, 2,3-dihydro-5-methyl-		132	C10H12	000874-35-1	80
3	Benzene, 1-methyl-2-(2-propenyl)-		132	C10H12	001587-04-8	76
4	Benzene, (1-methyl-1-propenyl)-,...		132	C10H12	000768-00-3	74
5	1-Phenyl-1-butene		132	C10H12	000824-90-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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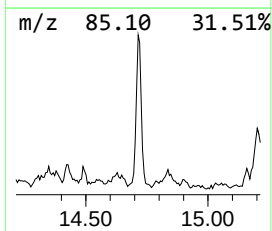
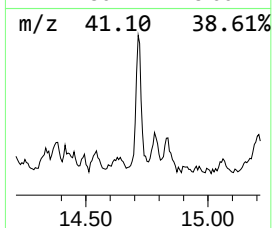
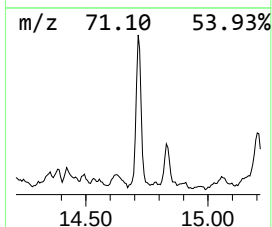
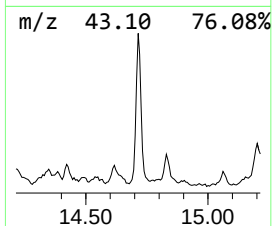
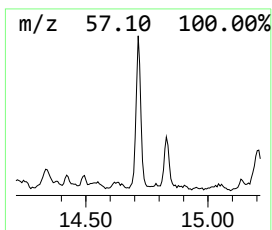
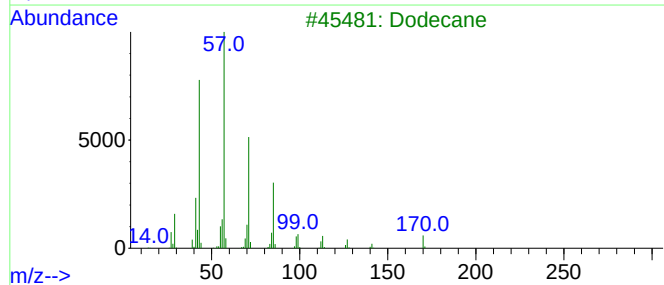
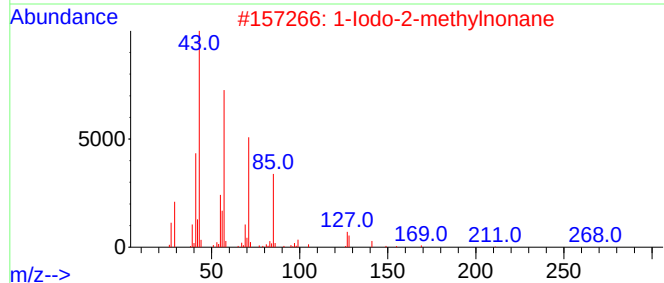
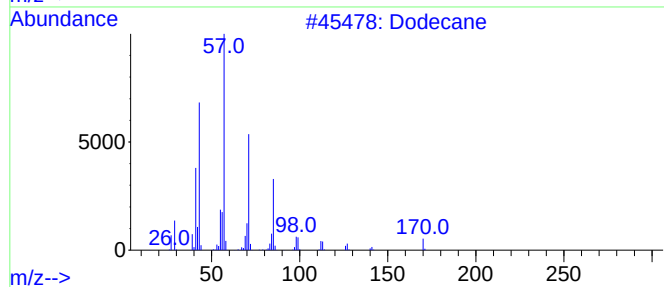
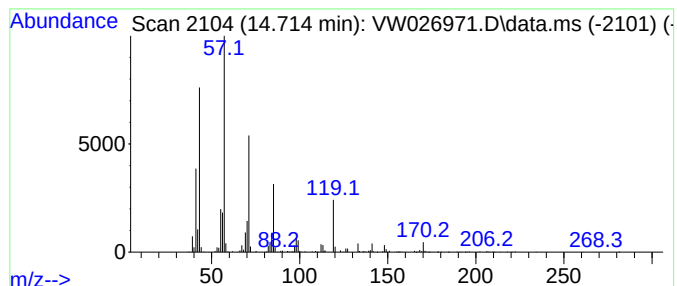
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.714	5.63 ug/L	502455	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	89
2			1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	78
3			Dodecane	170	C12H26	000112-40-3	76
4			Dodecane	170	C12H26	000112-40-3	64
5			Nonadecane	268	C19H40	000629-92-5	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

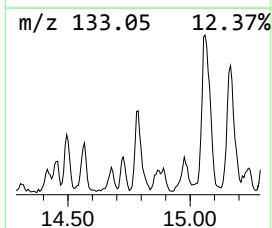
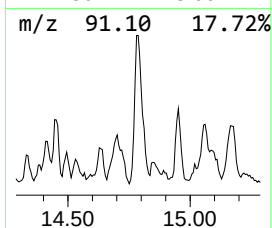
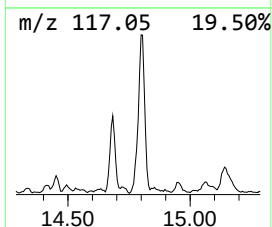
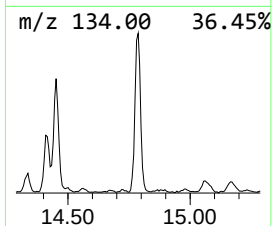
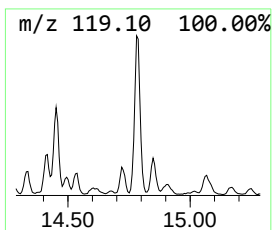
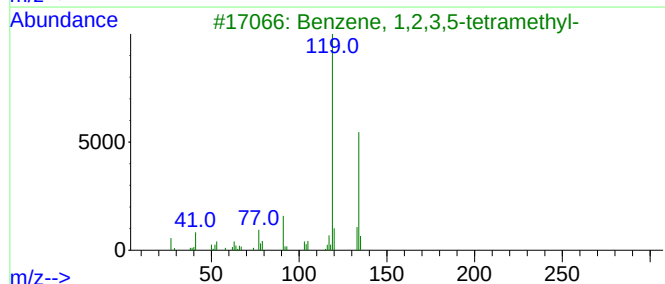
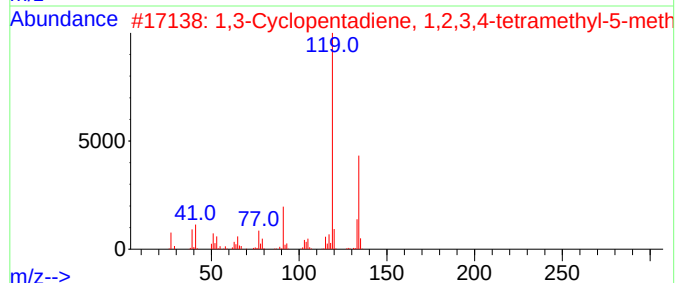
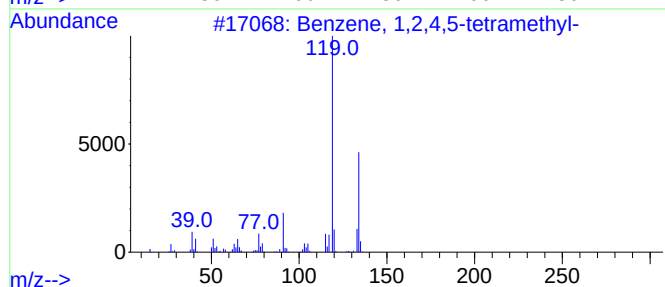
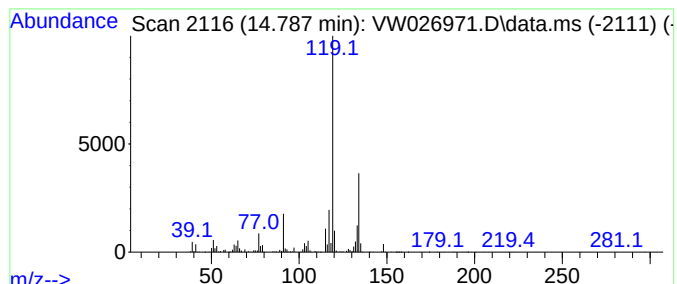
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Quant Title : SFAM01.0

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

Peak Number 15 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	10.00 ug/L	892443	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4			o-Cymene	134	C10H14	000527-84-4	87
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

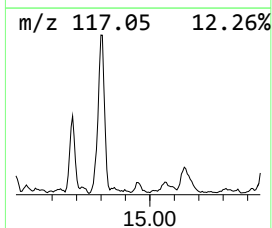
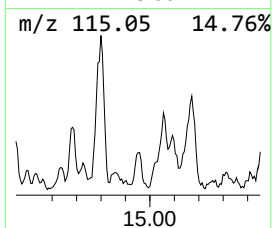
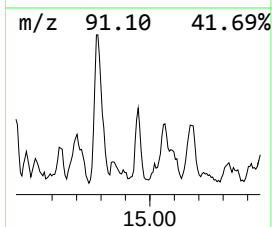
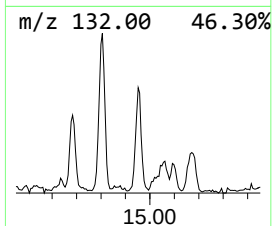
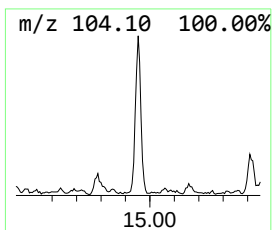
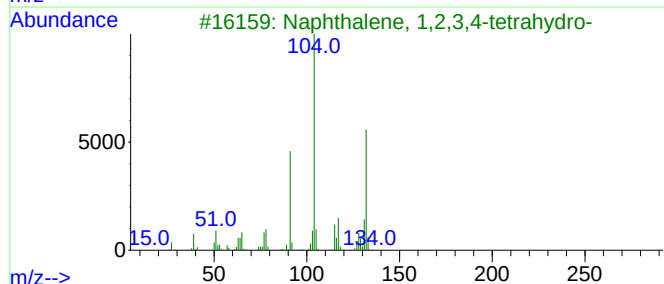
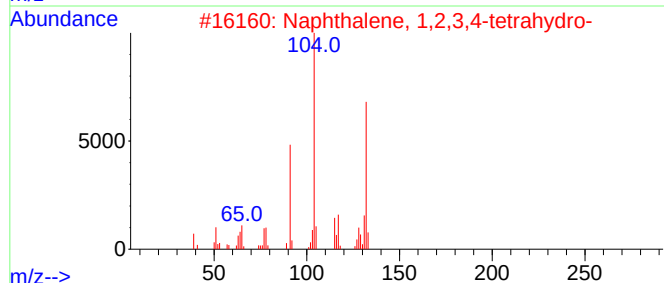
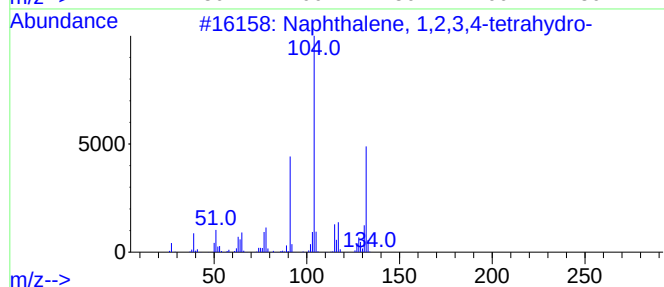
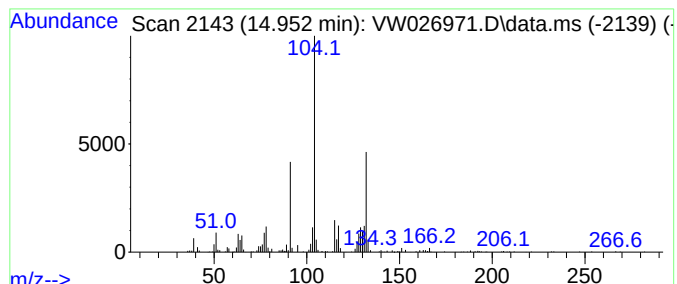
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Quant Title : SFAM01.0

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

Peak Number 16 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.952	1.90 ug/L	169073	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
2			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	87
3			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	83
4			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	64
5			2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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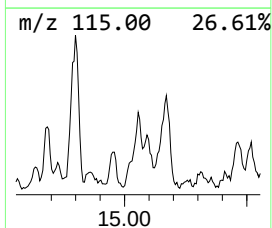
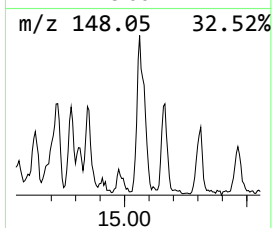
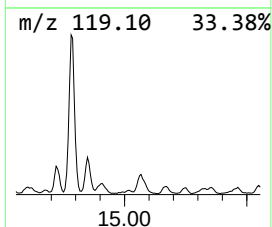
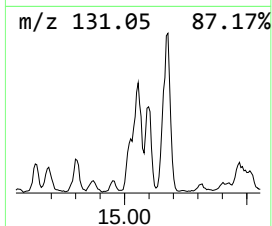
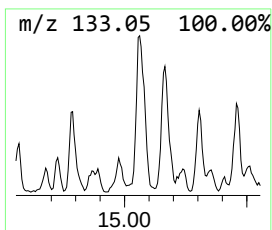
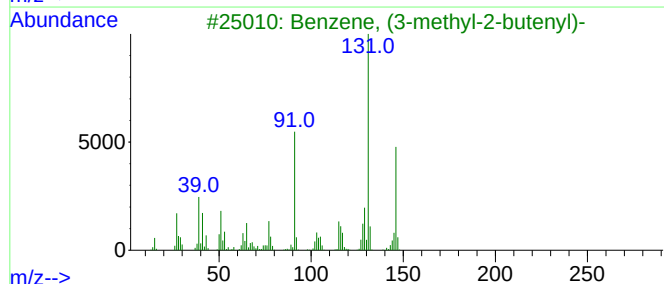
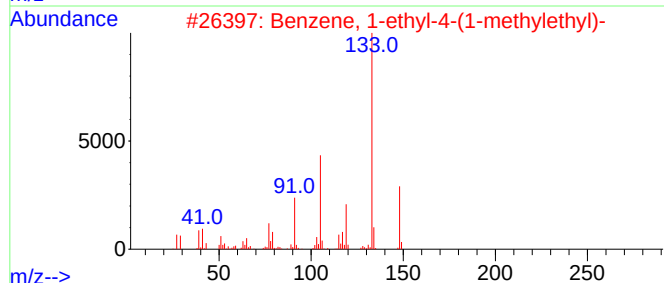
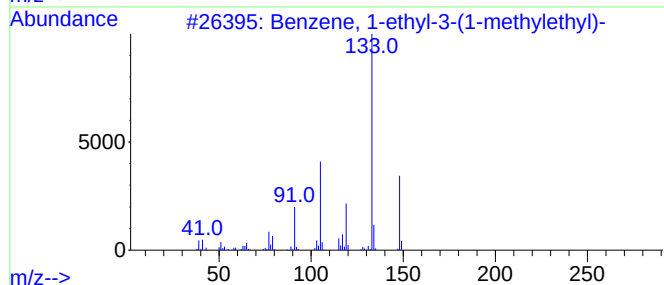
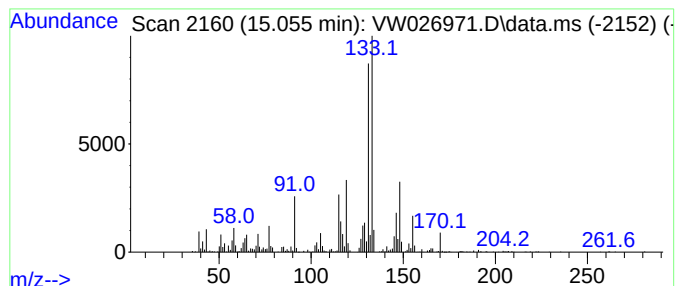
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Quant Title : SFAM01.0

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

Peak Number 17 unknown-04 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.055	5.37 ug/L	479299	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	43
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43
3			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	42
4			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	42
5			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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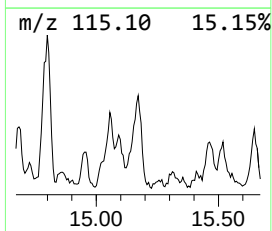
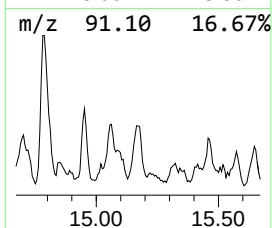
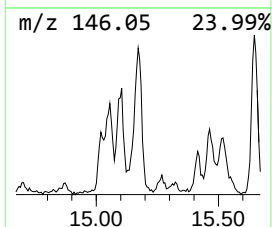
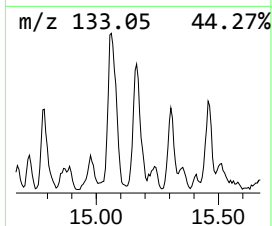
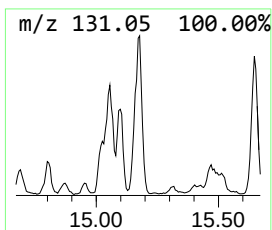
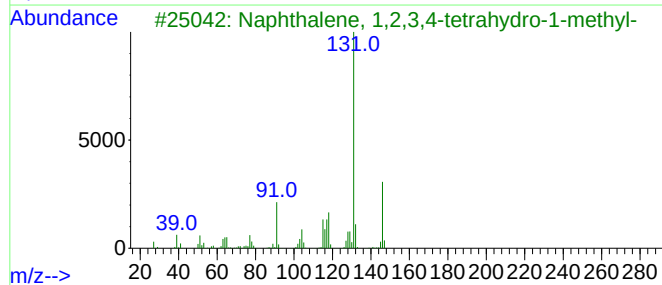
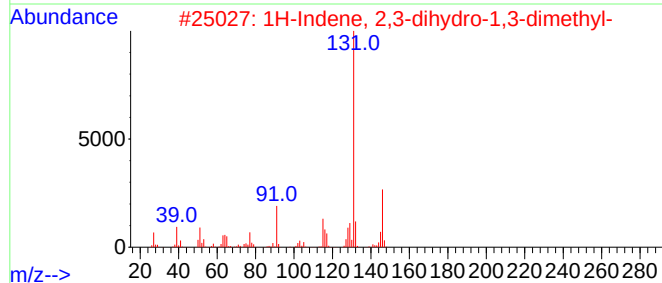
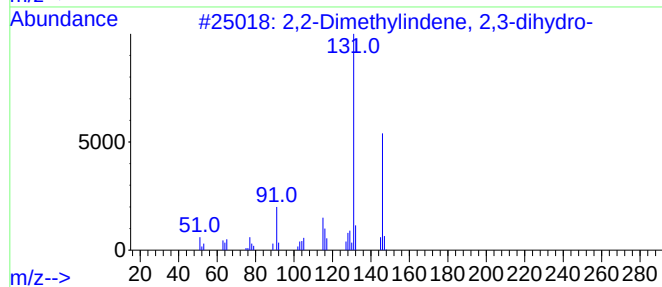
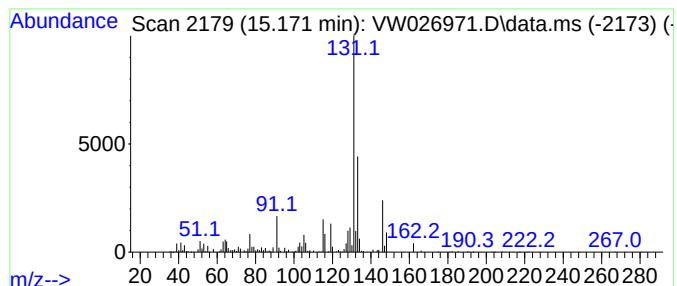
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Quant Title : SFAM01.0

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

Peak Number 18 2,2-Dimethylindene, 2,3-dih... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.171	5.89 ug/L	525867	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
2			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

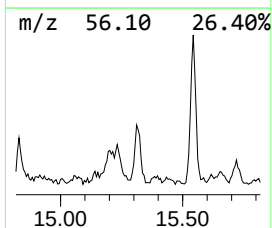
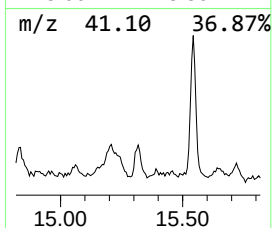
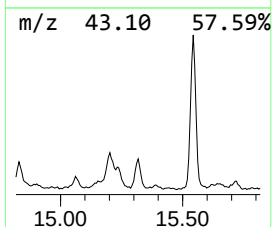
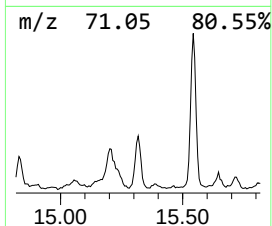
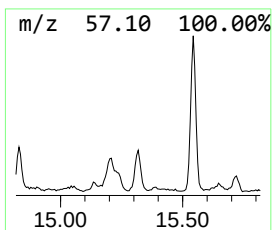
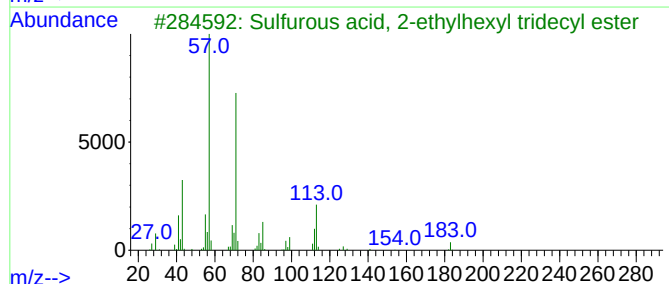
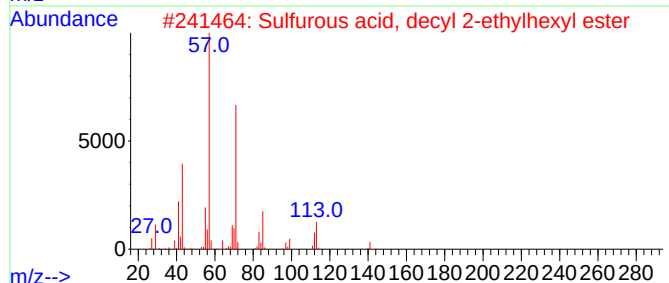
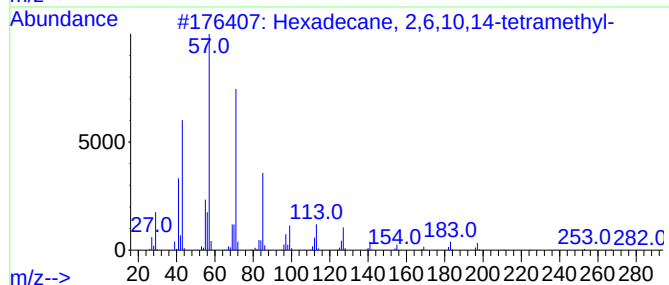
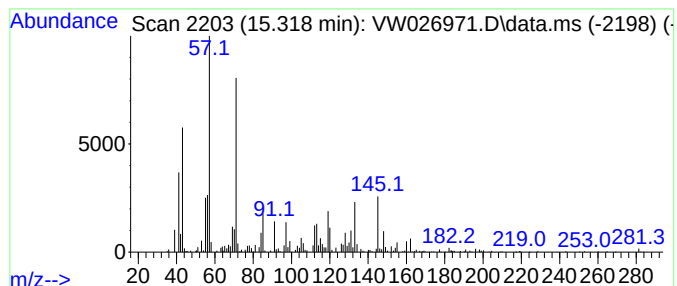
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	2.93 ug/L	261292	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	49
2			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	45
3			Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	43
4			Decane, 5-propyl-	184	C13H28	017312-62-8	43
5			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

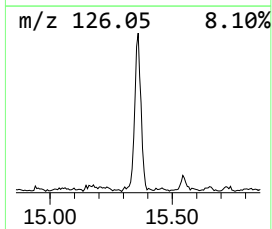
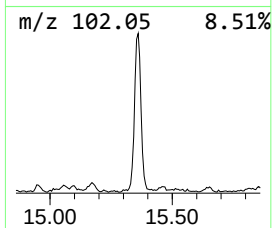
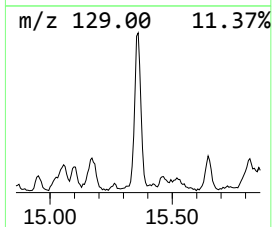
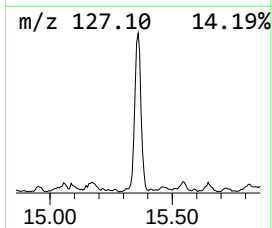
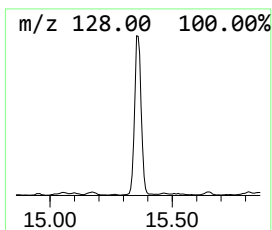
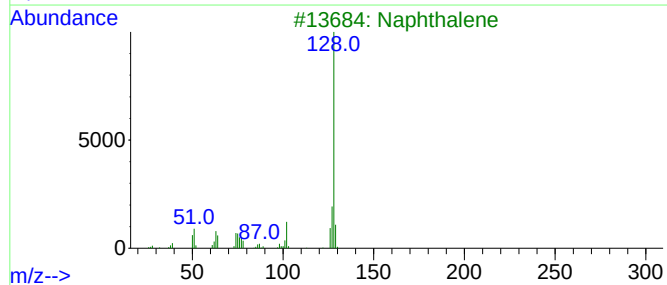
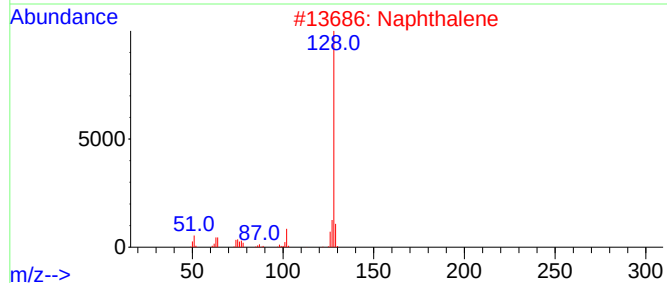
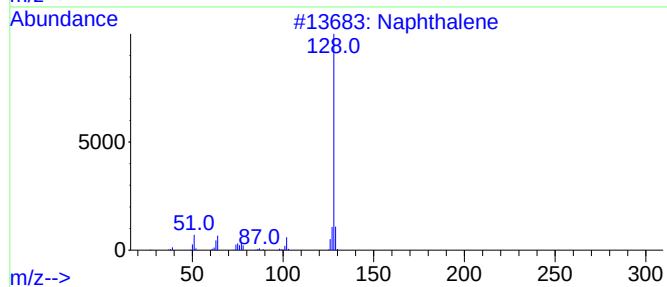
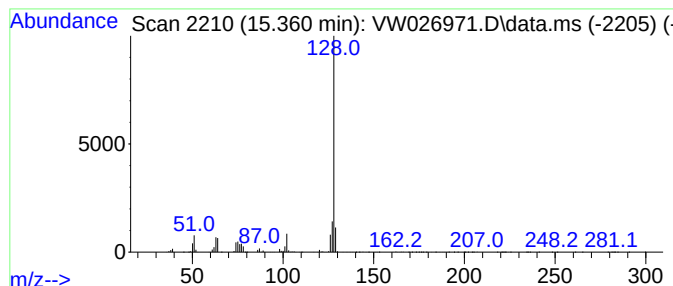
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Quant Title : SFAM01.0

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

Peak Number 20 Azulene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.360	12.86 ug/L	1147050	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	95
2			Naphthalene	128	C10H8	000091-20-3	95
3			Naphthalene	128	C10H8	000091-20-3	94
4			1H-Indene, 1-methylene-	128	C10H8	002471-84-3	91
5			Azulene	128	C10H8	000275-51-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

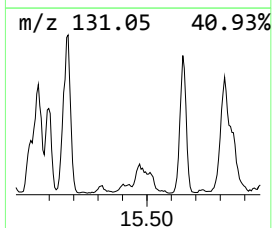
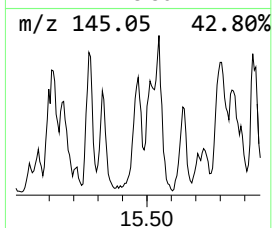
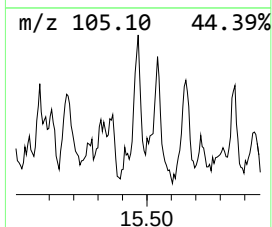
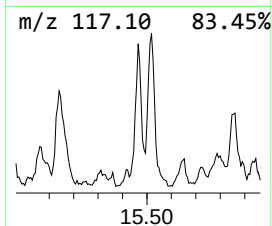
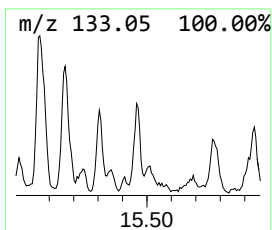
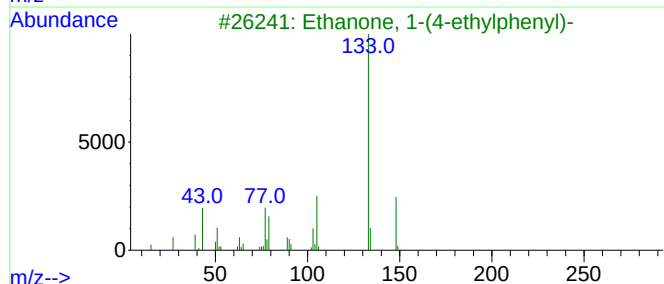
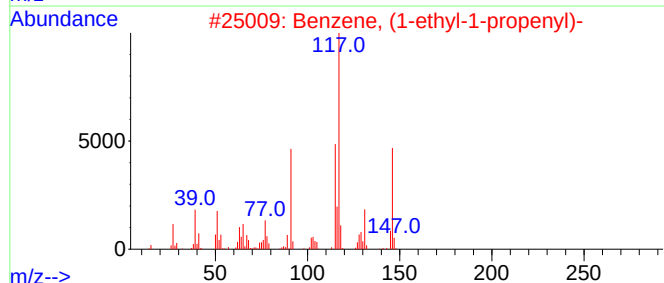
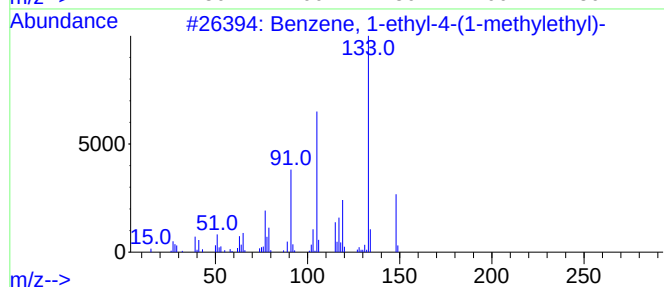
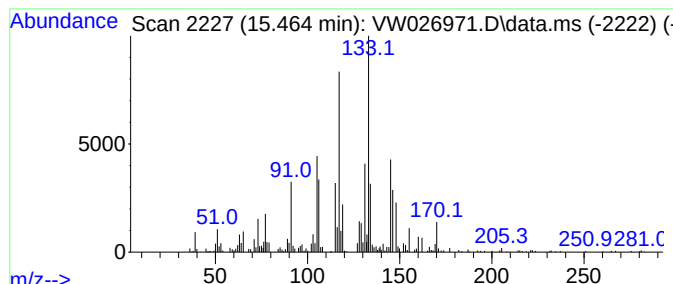
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Quant Title : SFAM01.0

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

Peak Number 21 unknown-05 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.464	2.81 ug/L	250731	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	42
2			Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	35
3			Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	35
4			Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	35
5			2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

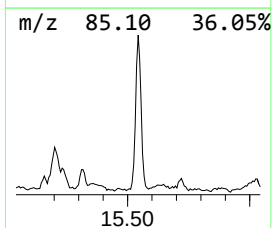
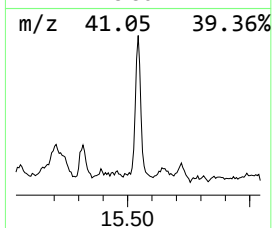
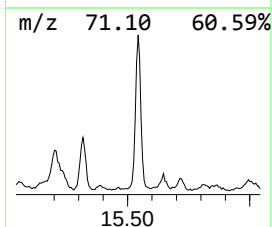
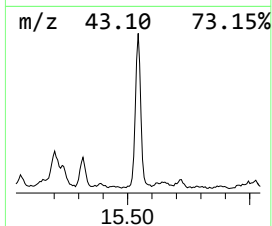
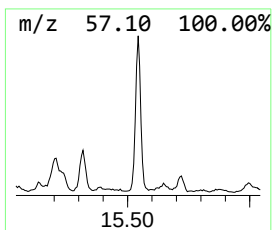
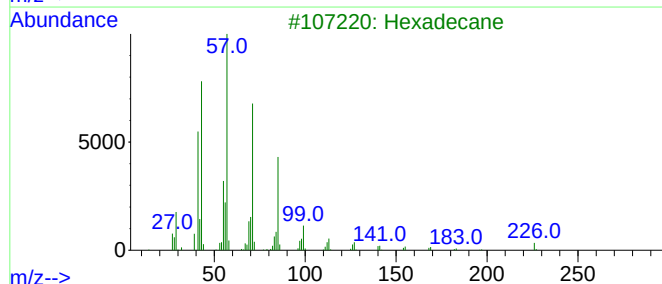
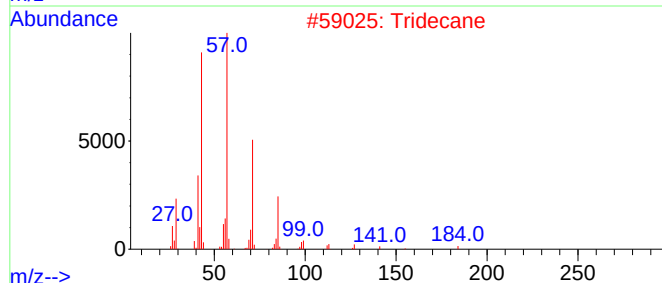
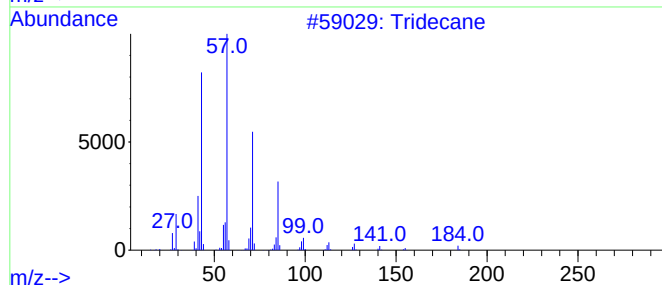
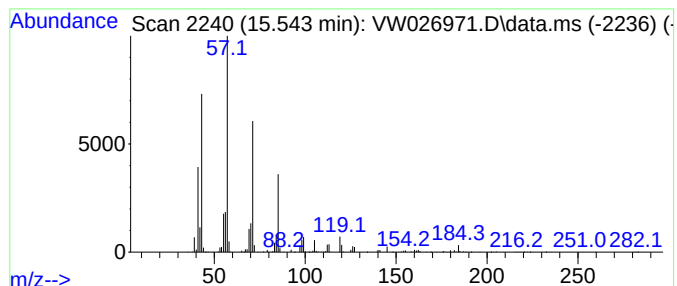
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.543	8.79 ug/L	784524	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	94
2		Tridecane	184	C13H28	000629-50-5	91
3		Hexadecane	226	C16H34	000544-76-3	87
4		Tetradecane	198	C14H30	000629-59-4	86
5		Dodecane	170	C12H26	000112-40-3	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

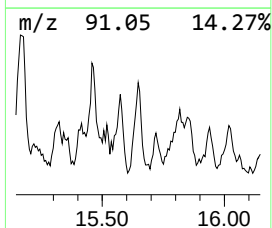
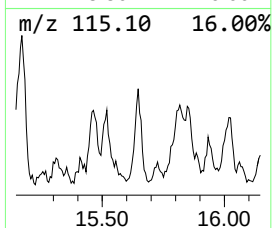
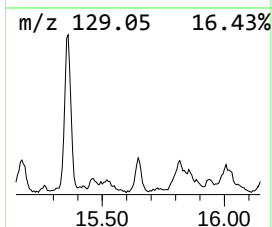
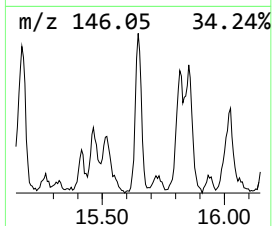
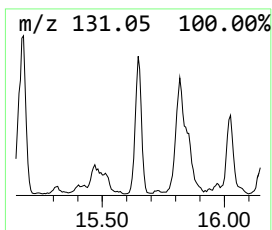
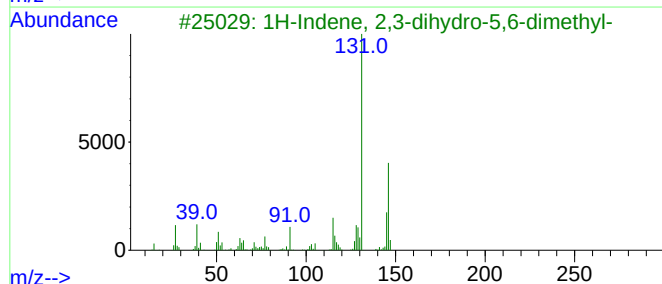
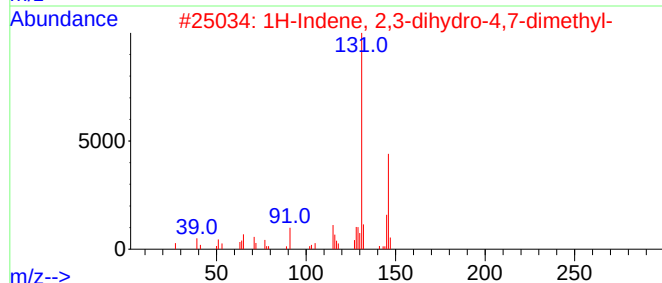
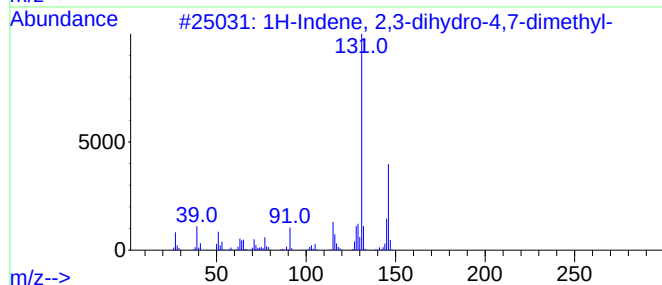
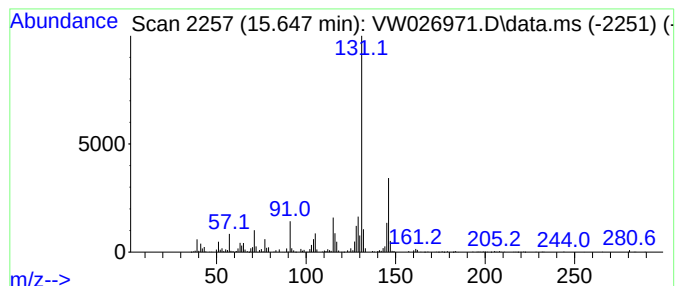
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Quant Title : SFAM01.0

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

Peak Number 23 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.647	3.77 ug/L	336098	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
3			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	96
4			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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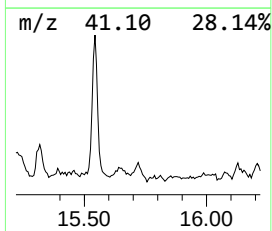
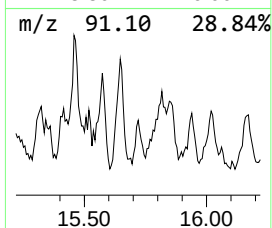
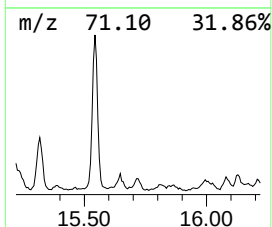
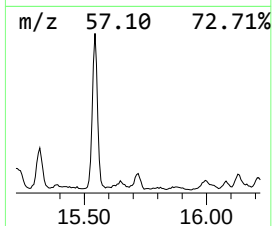
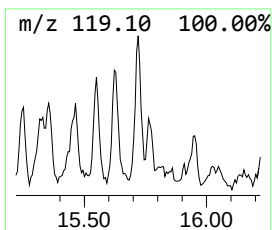
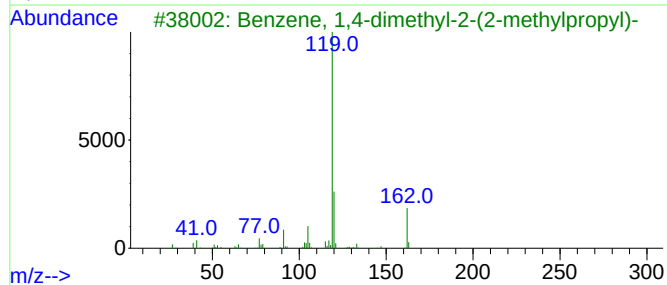
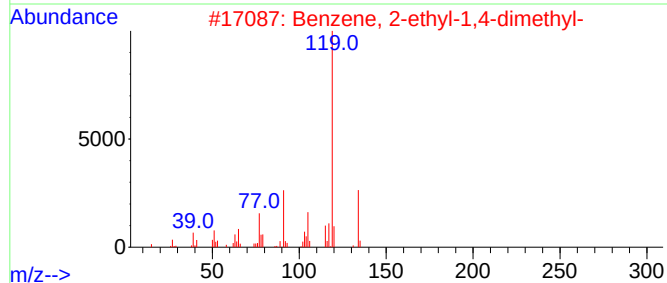
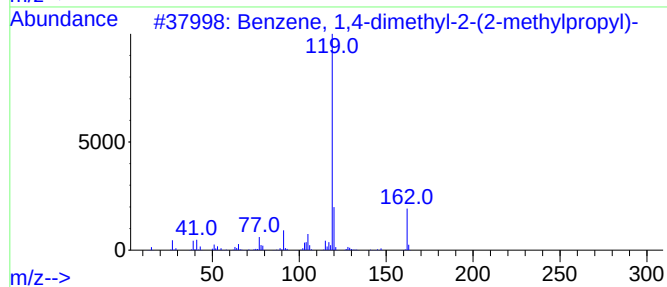
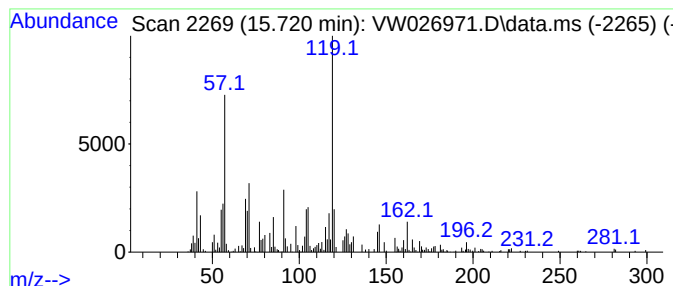
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Quant Title : SFAM01.0

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

Peak Number 24 unknown-06 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	1.46 ug/L	130535	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	47
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	47
3			Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	47
4			Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	47
5			Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

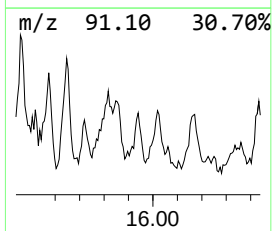
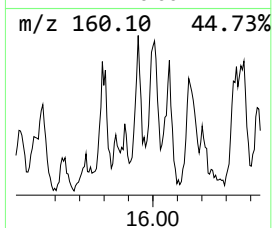
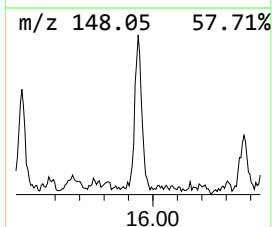
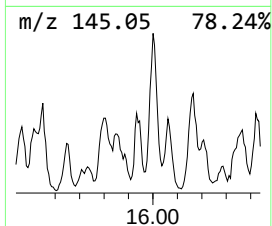
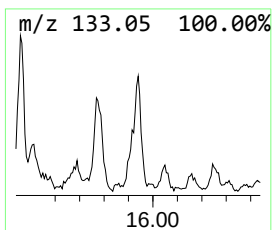
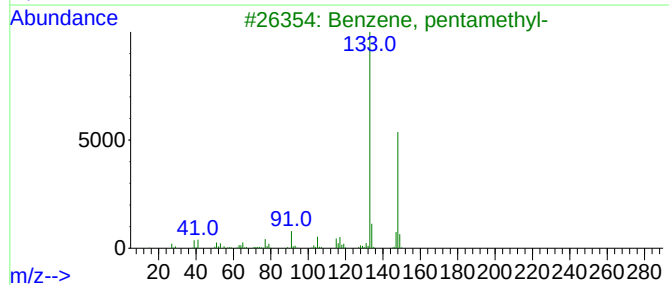
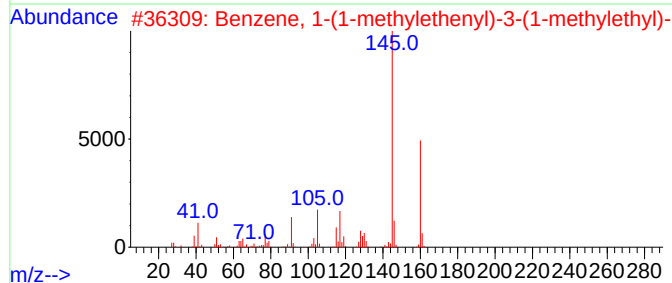
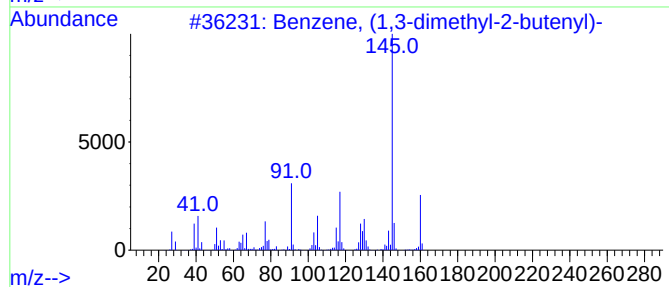
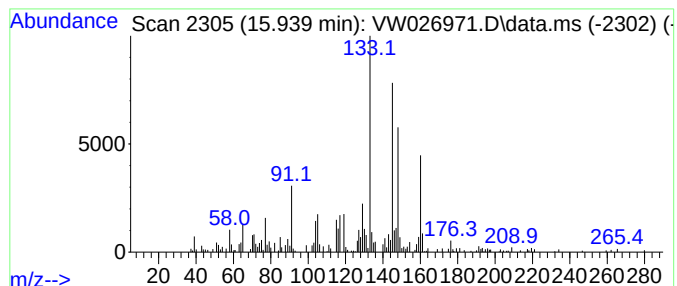
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 unknown-07 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.939	1.37 ug/L	122514	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	46
2			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	46
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	46
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	46
5			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

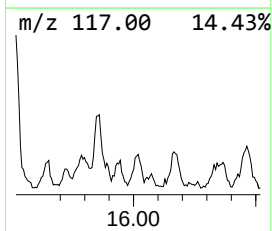
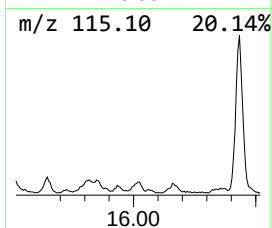
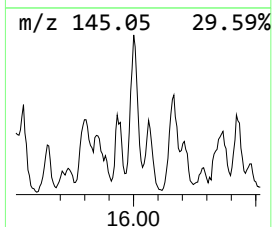
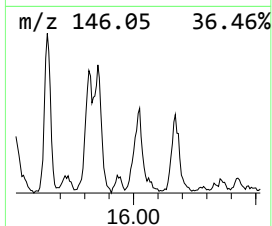
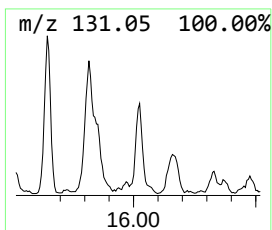
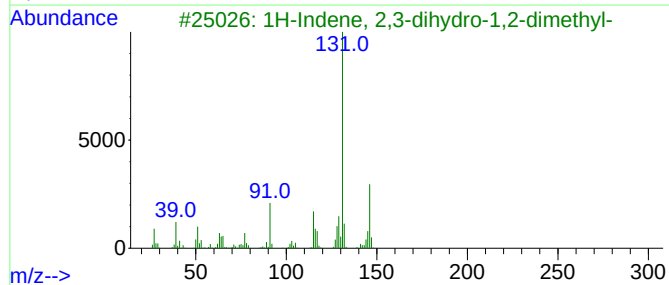
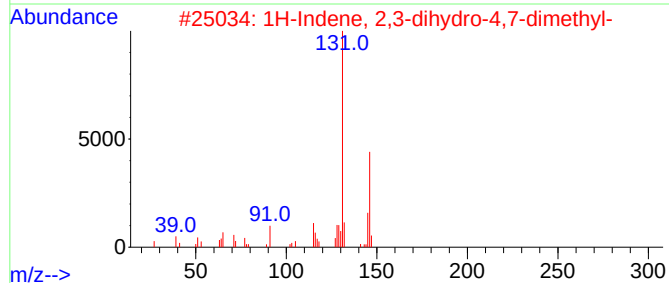
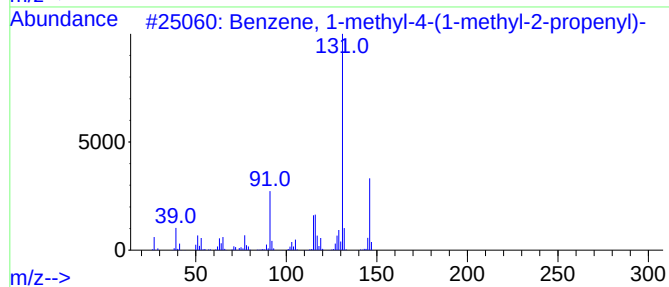
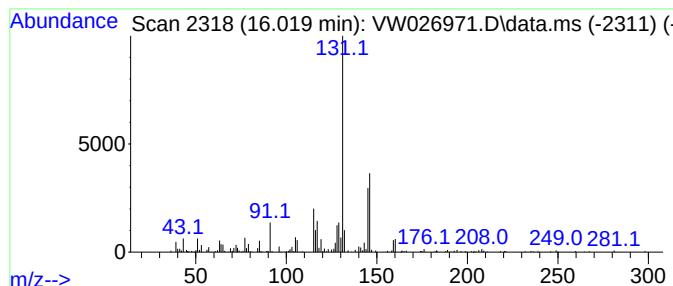
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Quant Title : SFAM01.0

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

Peak Number 26 Benzene, 1-methyl-4-(1-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.019	2.42 ug/L	215893	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	87
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	87
5			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

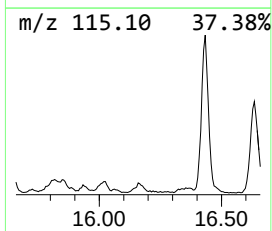
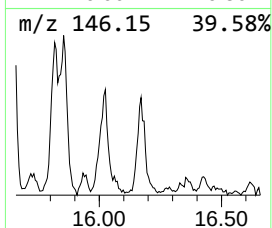
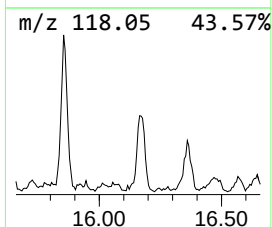
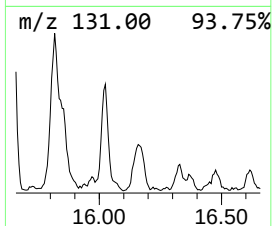
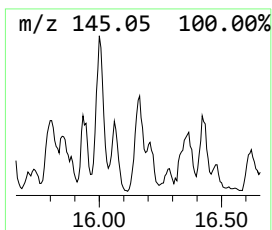
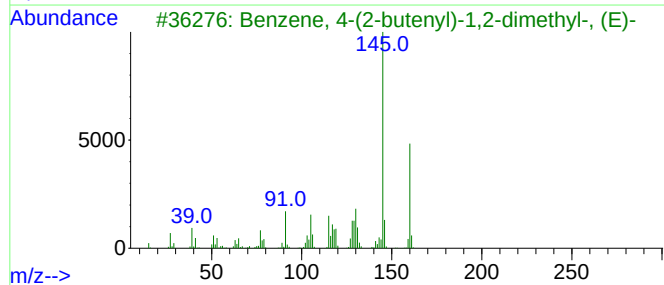
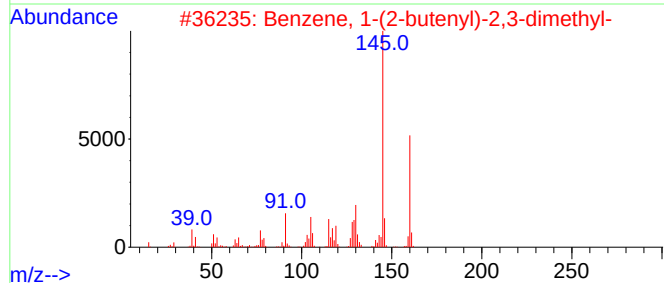
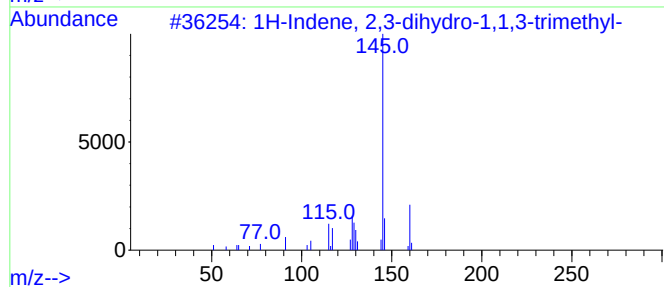
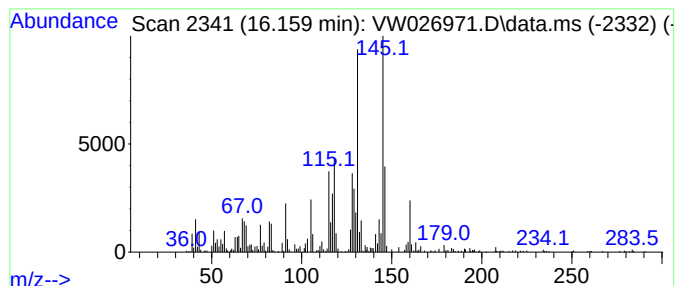
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Quant Title : SFAM01.0

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

Peak Number 27 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.159	3.45 ug/L	307652	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	87		
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	46		
3	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	46		
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	45		
5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	45		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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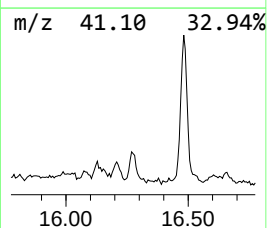
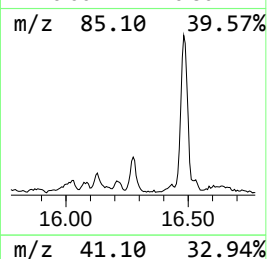
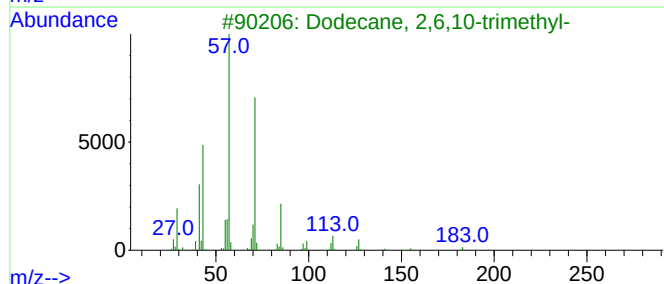
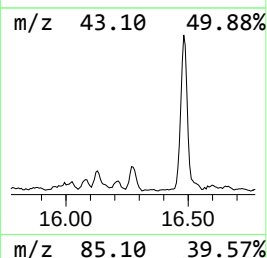
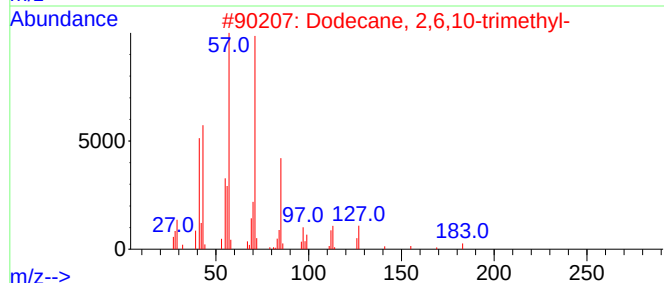
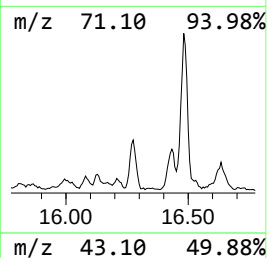
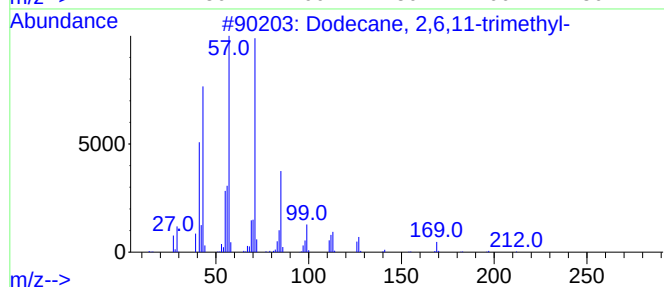
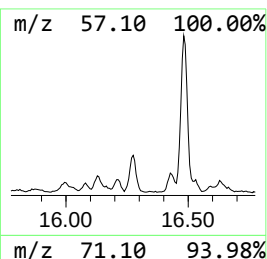
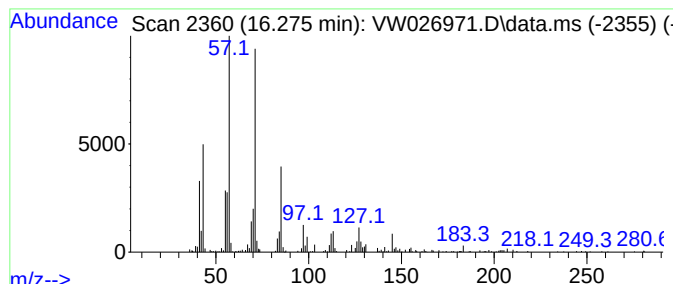
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	1.80 ug/L	160871	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	93
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

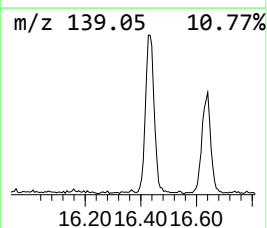
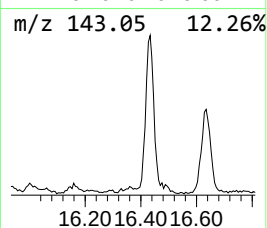
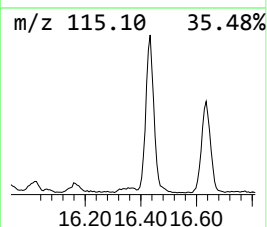
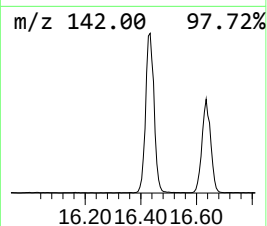
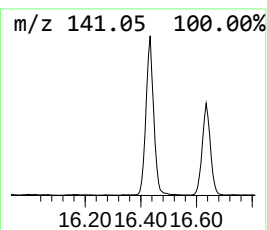
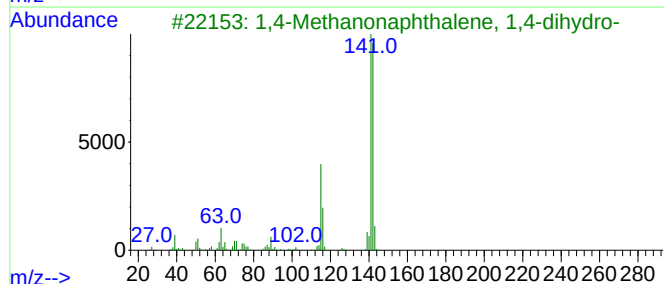
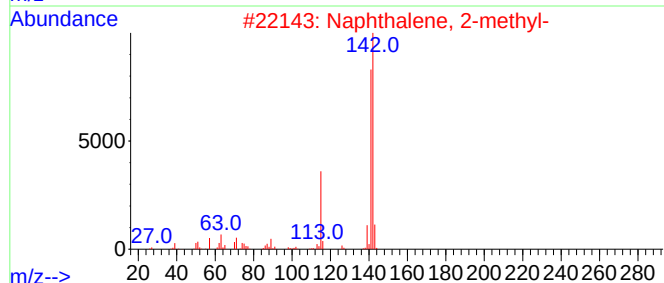
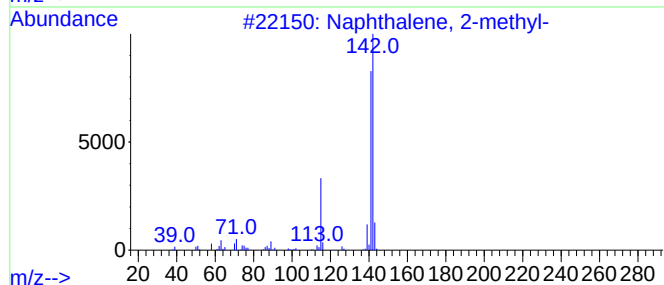
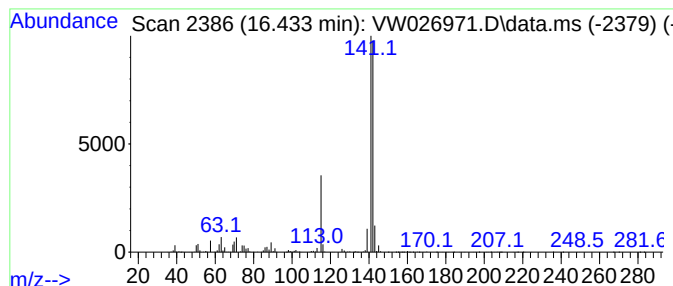
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Quant Title : SFAM01.0

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

Peak Number 29 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.433	18.00 ug/L	1606090	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

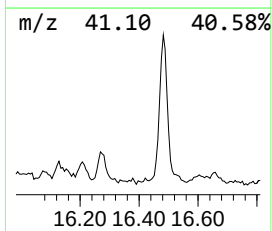
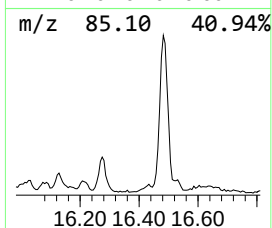
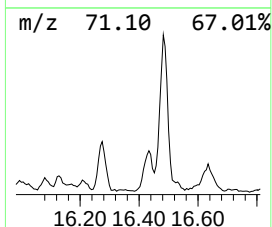
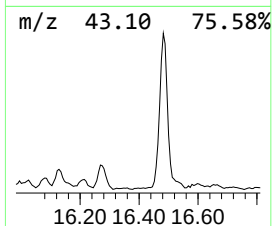
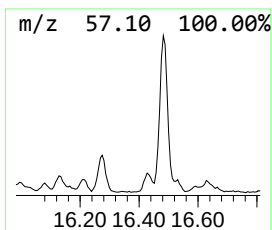
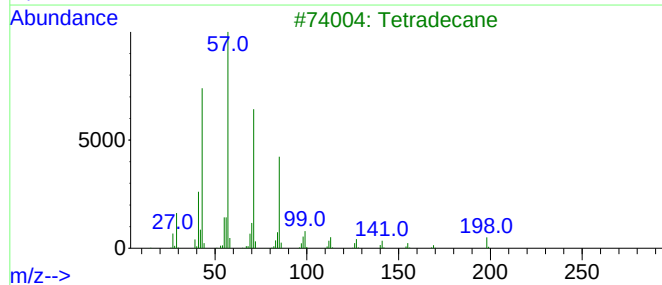
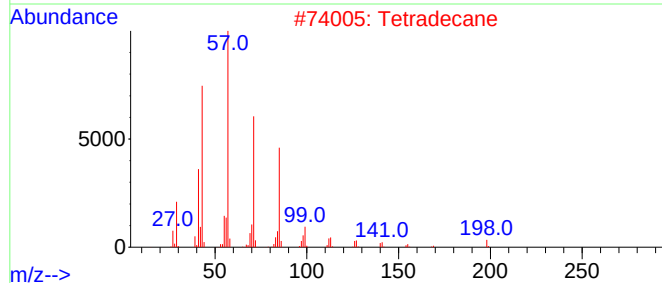
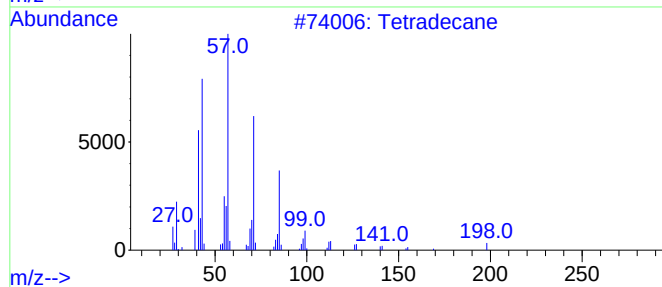
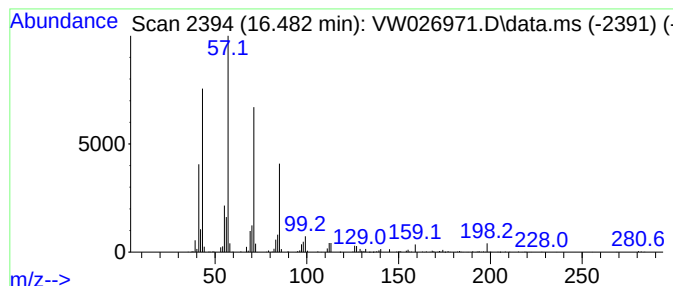
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.482	9.58 ug/L	854532	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	95
2			Tetradecane	198	C14H30	000629-59-4	94
3			Tetradecane	198	C14H30	000629-59-4	93
4			Nonadecane	268	C19H40	000629-92-5	86
5			Tridecane	184	C13H28	000629-50-5	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

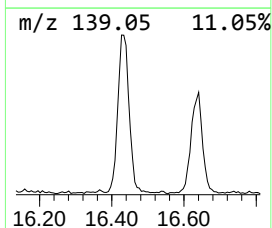
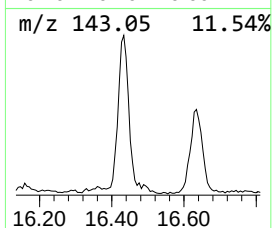
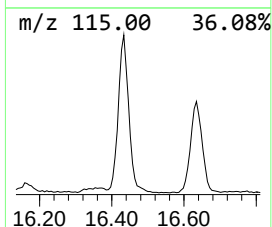
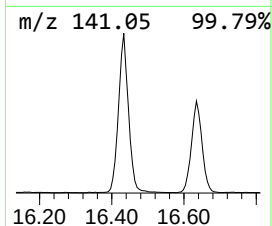
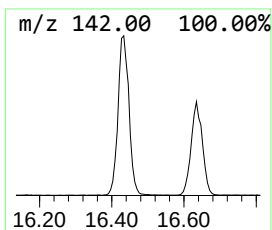
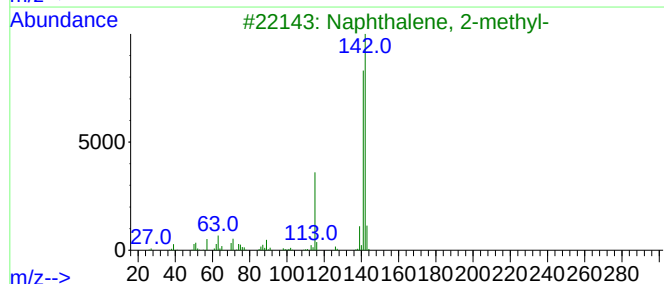
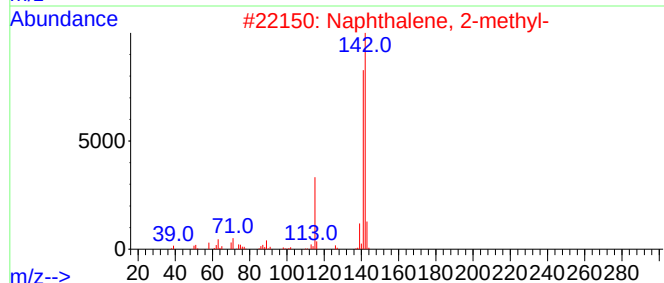
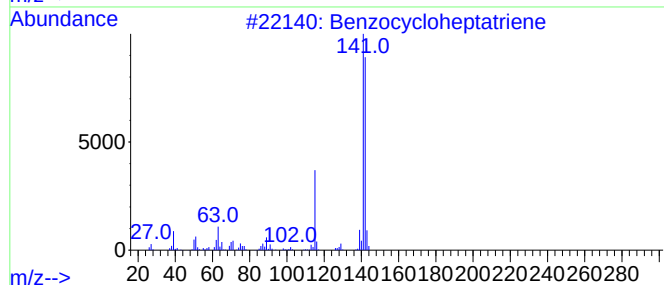
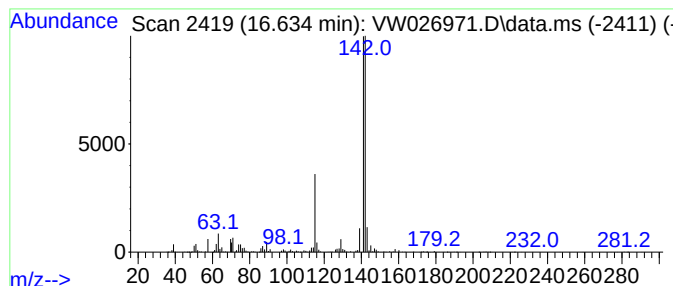
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Quant Title : SFAM01.0

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

Peak Number 31 Benzocycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.634	13.03 ug/L	1162050	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzocycloheptatriene	142	C11H10	000264-09-5	94
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
Data File : VW026971.D
Acq On : 31 Aug 2023 12:41
Operator : SY/MD
Sample : 04235-09
Misc : 6.78g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYK0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown-01	12.611	2.3	ug/L	207086	3	13.556	2230310	25.0
(DEL) Alkane: S...	13.025	21.9	ug/L	1949320	3	13.556	2230310	25.0
o-Cymene	14.092	2.0	ug/L	176882	3	13.556	2230310	25.0
Benzene, 1-meth...	14.202	2.7	ug/L	242888	3	13.556	2230310	25.0
Benzene, 1-meth...	14.336	1.3	ug/L	117938	3	13.556	2230310	25.0
unknown-02	14.379	1.3	ug/L	112222	3	13.556	2230310	25.0
Benzene, 1,2,3,...	14.415	1.9	ug/L	165833	3	13.556	2230310	25.0
Benzene, 1,2,4,...	14.452	3.0	ug/L	269467	3	13.556	2230310	25.0
Benzene, 1,3-di...	14.495	1.3	ug/L	119338	3	13.556	2230310	25.0
unknown-03	14.537	2.5	ug/L	225152	3	13.556	2230310	25.0
1H-Indene, 2,3-...	14.635	1.5	ug/L	134518	3	13.556	2230310	25.0
1H-Indene, 2,3-...	14.684	1.5	ug/L	134158	3	13.556	2230310	25.0
(DEL) Alkane: S...	14.714	5.6	ug/L	502455	3	13.556	2230310	25.0
1,3-Cyclopentad...	14.787	10.0	ug/L	892443	3	13.556	2230310	25.0
Naphthalene, 1,...	14.952	1.9	ug/L	169073	3	13.556	2230310	25.0
unknown-04	15.055	5.4	ug/L	479299	3	13.556	2230310	25.0
2,2-Dimethylind...	15.171	5.9	ug/L	525867	3	13.556	2230310	25.0
(DEL) Alkane: S...	15.318	2.9	ug/L	261292	3	13.556	2230310	25.0
Azulene	15.360	12.9	ug/L	1147050	3	13.556	2230310	25.0
unknown-05	15.464	2.8	ug/L	250731	3	13.556	2230310	25.0
(DEL) Alkane: S...	15.543	8.8	ug/L	784524	3	13.556	2230310	25.0
1H-Indene, 2,3-...	15.647	3.8	ug/L	336098	3	13.556	2230310	25.0
unknown-06	15.720	1.5	ug/L	130535	3	13.556	2230310	25.0
unknown-07	15.939	1.4	ug/L	122514	3	13.556	2230310	25.0
Benzene, 1-meth...	16.019	2.4	ug/L	215893	3	13.556	2230310	25.0
1H-Indene, 2,3-...	16.159	3.5	ug/L	307652	3	13.556	2230310	25.0
(DEL) Alkane: S...	16.275	1.8	ug/L	160871	3	13.556	2230310	25.0
1,4-Methanonaph...	16.433	18.0	ug/L	1606090	3	13.556	2230310	25.0
(DEL) Alkane: S...	16.482	9.6	ug/L	854532	3	13.556	2230310	25.0
Benzocyclohepta...	16.634	13.0	ug/L	1162050	3	13.556	2230310	25.0