

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
 Data File : VW031534.D
 Acq On : 26 Dec 2024 17:23
 Operator : SY/MD
 Sample : P5378-02
 Misc : 5.64g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 YE633

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Title : SFAM01.0

Signal : TIC: VW031534.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.210	40	53	54	rBV4	9767	31260	1.08%	0.084%
2	2.357	68	77	93	rBV	178521	404662	13.93%	1.093%
3	2.509	97	102	111	rBV	18726	53795	1.85%	0.145%
4	2.899	157	166	186	rBV2	128892	373471	12.86%	1.008%
5	3.387	242	246	251	rBV8	1780	3419	0.12%	0.009%
6	4.015	337	349	366	rBV	349707	1007488	34.69%	2.720%
7	4.173	367	375	393	rVB2	19957	98966	3.41%	0.267%
8	4.911	484	496	505	rBV4	6127	21714	0.75%	0.059%
9	5.131	530	532	541	rVB5	2515	4457	0.15%	0.012%
10	5.435	574	582	592	rVB5	3987	14495	0.50%	0.039%
11	5.795	630	641	650	rBV3	8182	27947	0.96%	0.075%
12	5.941	656	665	675	rVB5	6390	20730	0.71%	0.056%
13	6.905	810	823	831	rBV3	14730	47257	1.63%	0.128%
14	7.100	845	855	861	rBV2	59038	196687	6.77%	0.531%
15	7.563	923	931	935	rVV6	2817	6892	0.24%	0.019%
16	7.648	935	945	961	rVB	478366	1186525	40.86%	3.203%
17	8.276	1036	1048	1065	rVV2	941617	2903928	100.00%	7.840%
18	8.551	1089	1093	1097	rVV6	2160	4233	0.15%	0.011%
19	8.703	1111	1118	1130	rBV2	32053	79516	2.74%	0.215%
20	8.837	1130	1140	1155	rBV	1172427	2321588	79.95%	6.268%
21	9.075	1173	1179	1185	rBV8	5491	13137	0.45%	0.035%
22	9.270	1201	1211	1221	rBV	635434	1308343	45.05%	3.532%
23	9.410	1229	1234	1244	rVB2	16042	31804	1.10%	0.086%
24	9.526	1246	1253	1255	rBV6	1447	3117	0.11%	0.008%
25	9.672	1269	1277	1280	rBV9	4396	9687	0.33%	0.026%
26	9.758	1286	1291	1300	rVB2	6730	15327	0.53%	0.041%
27	9.886	1305	1312	1318	rVB6	4182	8760	0.30%	0.024%
28	9.971	1318	1326	1328	rBV8	1792	3963	0.14%	0.011%
29	10.032	1328	1336	1348	rBV	366986	661426	22.78%	1.786%
30	10.209	1359	1365	1374	rBV2	11343	27284	0.94%	0.074%
31	10.319	1375	1383	1391	rBV	1322480	2346800	80.81%	6.336%
32	10.386	1391	1394	1397	rVB	5270	7962	0.27%	0.021%
33	10.502	1408	1413	1418	rVB5	5171	9851	0.34%	0.027%
34	10.575	1418	1425	1433	rBV	220014	382232	13.16%	1.032%
35	10.697	1440	1445	1451	rVB	21318	40744	1.40%	0.110%
36	10.825	1461	1466	1471	rBV2	5377	10561	0.36%	0.029%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Title : SFAM01.0

37	10.922	1476	1482	1493	rBV	300670	532095	18.32%	1.437%
38	11.068	1499	1506	1516	rVB3	39570	78943	2.72%	0.213%
39	11.172	1519	1523	1527	rBV4	6833	11284	0.39%	0.030%
40	11.227	1527	1532	1537	rVB	15333	25099	0.86%	0.068%
41	11.331	1544	1549	1554	rBV6	7727	13156	0.45%	0.036%
42	11.434	1558	1566	1570	rBV2	24013	49365	1.70%	0.133%
43	11.514	1575	1579	1589	rVB5	9688	23912	0.82%	0.065%
44	11.629	1589	1598	1607	rBV	1547618	2650424	91.27%	7.156%
45	11.721	1607	1613	1618	rBV3	20835	45159	1.56%	0.122%
46	11.831	1623	1631	1641	rBV	826574	1436068	49.45%	3.877%
47	11.910	1641	1644	1649	rVB3	17014	29236	1.01%	0.079%
48	11.971	1649	1654	1659	rBV4	17796	34440	1.19%	0.093%
49	12.056	1661	1668	1673	rBV9	10153	24284	0.84%	0.066%
50	12.135	1674	1681	1684	rBV4	37661	91072	3.14%	0.246%
51	12.245	1692	1699	1703	rBV2	49570	77128	2.66%	0.208%
52	12.337	1703	1714	1725	rBV5	106691	413835	14.25%	1.117%
53	12.458	1729	1734	1738	rBV3	55412	96521	3.32%	0.261%
54	12.501	1738	1741	1744	rBV4	16195	21384	0.74%	0.058%
55	12.532	1744	1746	1749	rBV2	16869	19756	0.68%	0.053%
56	12.562	1749	1751	1754	rVB2	31107	29546	1.02%	0.080%
57	12.599	1754	1757	1762	rVB	66121	102885	3.54%	0.278%
58	12.647	1762	1765	1766	rBV	19686	20556	0.71%	0.055%
59	12.690	1766	1772	1780	rBV	490312	850556	29.29%	2.296%
60	12.775	1781	1786	1793	rVB3	156781	334878	11.53%	0.904%
61	12.861	1793	1800	1804	rBV2	383786	639932	22.04%	1.728%
62	12.934	1805	1812	1819	rBV2	669704	1420265	48.91%	3.835%
63	13.025	1824	1827	1831	rBV3	36901	55196	1.90%	0.149%
64	13.099	1832	1839	1845	rBV	270531	509232	17.54%	1.375%
65	13.160	1845	1849	1859	rVB5	152235	333665	11.49%	0.901%
66	13.251	1859	1864	1868	rBV2	128278	260173	8.96%	0.702%
67	13.379	1880	1885	1889	rBV4	98674	212167	7.31%	0.573%
68	13.434	1889	1894	1899	rVB4	258465	478238	16.47%	1.291%
69	13.483	1899	1902	1907	rVB3	64124	101975	3.51%	0.275%
70	13.556	1908	1914	1916	rBV	1551340	2693842	92.77%	7.273%
71	13.690	1931	1936	1941	rBV4	76896	188451	6.49%	0.509%
72	13.751	1941	1946	1949	rVV2	268653	521730	17.97%	1.409%
73	13.781	1949	1951	1955	rVV2	186144	240702	8.29%	0.650%
74	13.848	1955	1962	1971	rVB	1097866	2281856	78.58%	6.161%
75	13.946	1974	1978	1981	rBV	72658	102192	3.52%	0.276%
76	14.056	1991	1996	1999	rBV2	238961	442501	15.24%	1.195%

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 Title : SFAM01.0

77	14.086	1999	2001	2008	rVB	212305	287285	9.89%	0.776%
78	14.153	2008	2012	2014	rBV	75801	104476	3.60%	0.282%
79	14.196	2014	2019	2025	rVB2	378509	642623	22.13%	1.735%
80	14.257	2025	2029	2035	rVB5	45866	101871	3.51%	0.275%
81	14.330	2035	2041	2045	rBV2	152036	273803	9.43%	0.739%
82	14.379	2045	2049	2051	rVV2	107200	167841	5.78%	0.453%
83	14.428	2051	2057	2065	rVV2	549101	1264309	43.54%	3.413%
84	14.489	2065	2067	2071	rVV	52146	64539	2.22%	0.174%
85	14.537	2071	2075	2081	rVB3	102583	187782	6.47%	0.507%
86	14.635	2087	2091	2095	rVB	90773	137738	4.74%	0.372%
87	14.684	2095	2099	2103	rBV2	60199	111702	3.85%	0.302%
88	14.720	2103	2105	2110	rVB2	37483	50906	1.75%	0.137%
89	14.787	2110	2116	2123	rBV3	331335	725370	24.98%	1.958%
90	14.848	2123	2126	2134	rVB5	52942	93459	3.22%	0.252%
91	14.952	2138	2143	2148	rBV3	105617	176675	6.08%	0.477%
92	15.062	2155	2161	2173	rVV2	338743	722661	24.89%	1.951%
93	15.165	2173	2178	2184	rVB2	70213	155640	5.36%	0.420%
94	15.306	2198	2201	2204	rBV3	18418	29407	1.01%	0.079%
95	15.354	2204	2209	2216	rVB	177819	301197	10.37%	0.813%
96	15.427	2217	2221	2224	rBV	25794	39894	1.37%	0.108%
97	15.720	2267	2269	2274	rBV6	6482	8440	0.29%	0.023%
98	16.427	2380	2385	2401	rVB6	37264	126712	4.36%	0.342%
99	16.635	2412	2419	2426	rVB2	30484	73817	2.54%	0.199%
100	16.726	2431	2434	2435	rBV3	6559	6856	0.24%	0.019%

Sum of corrected areas: 37038730

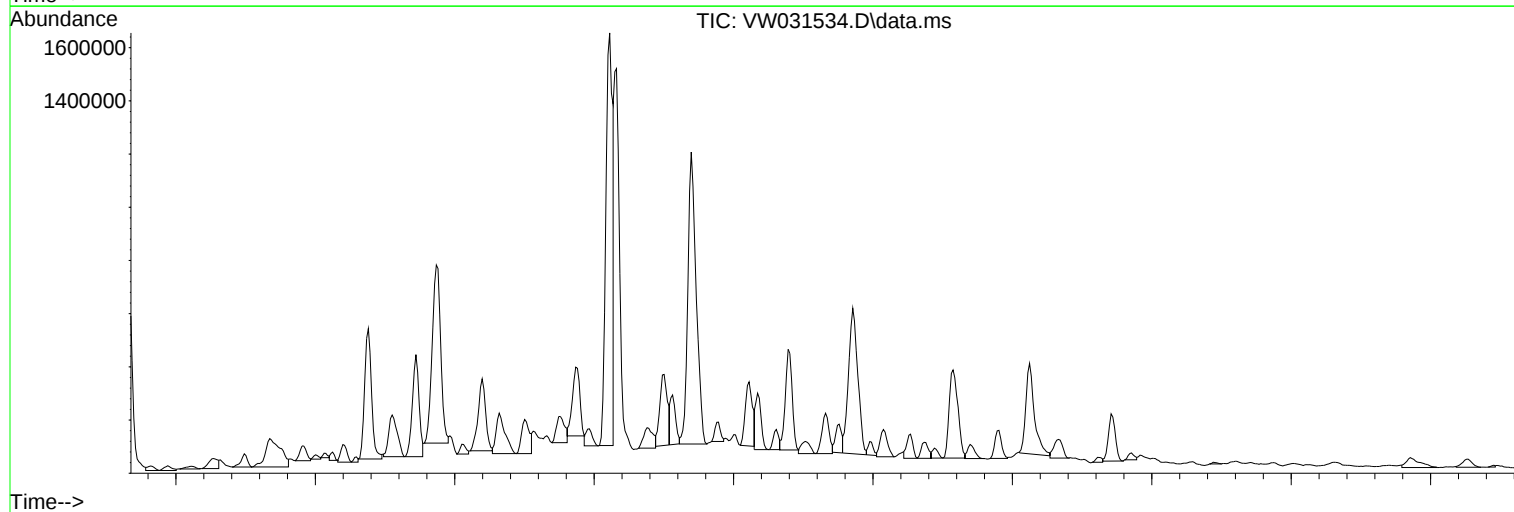
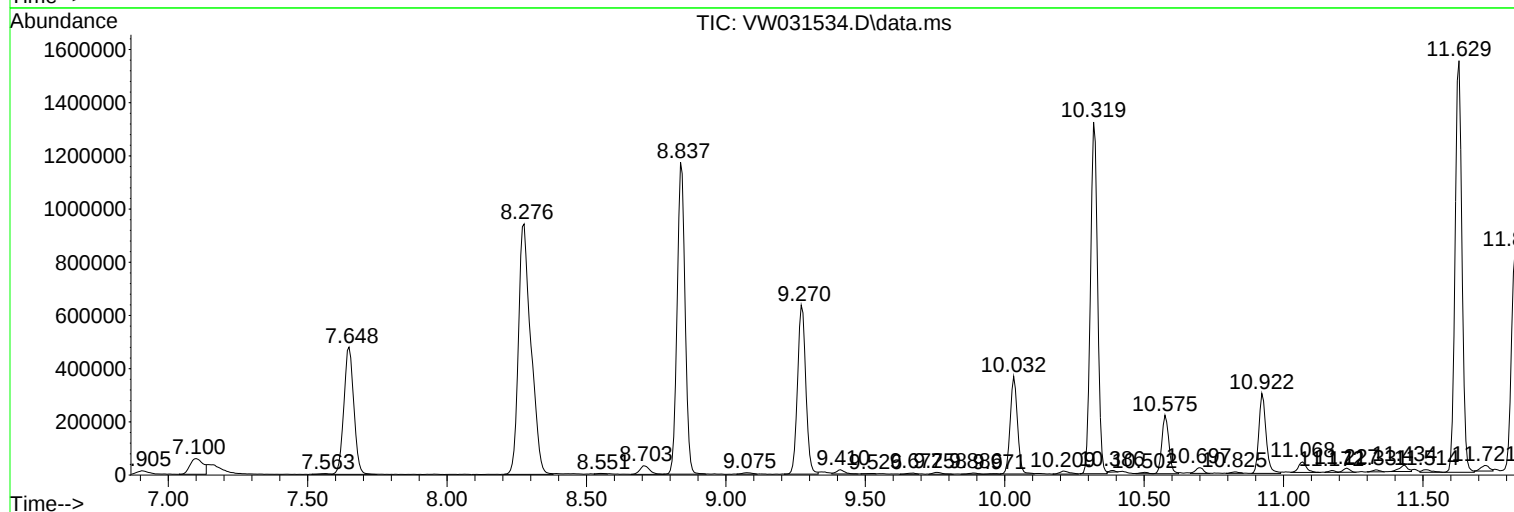
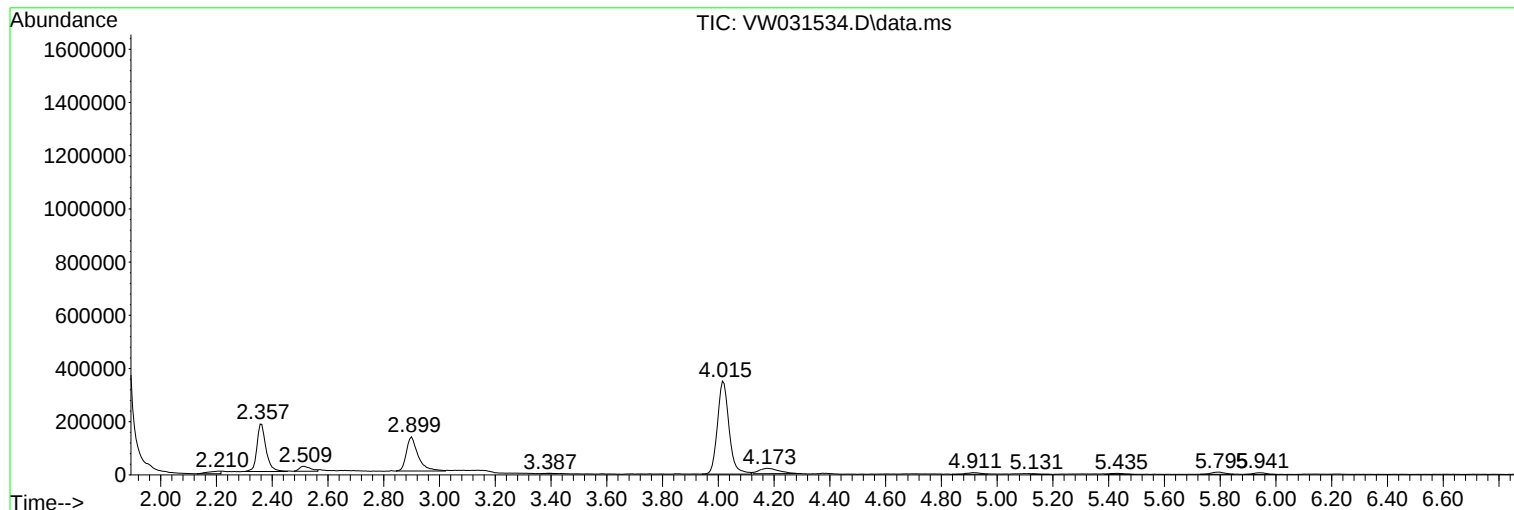
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P



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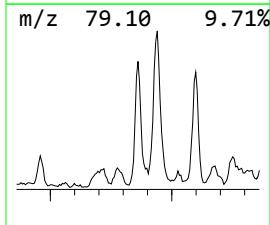
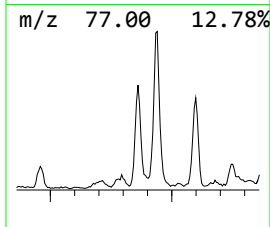
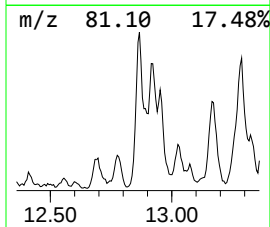
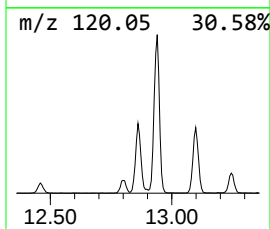
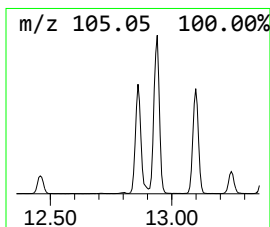
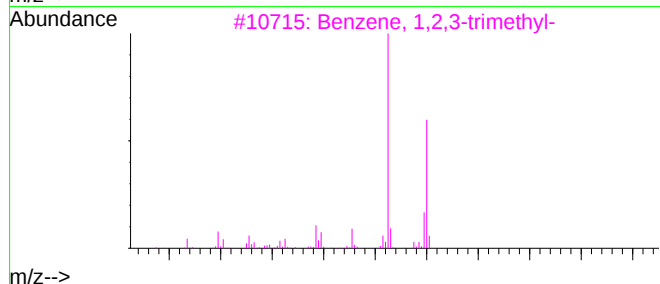
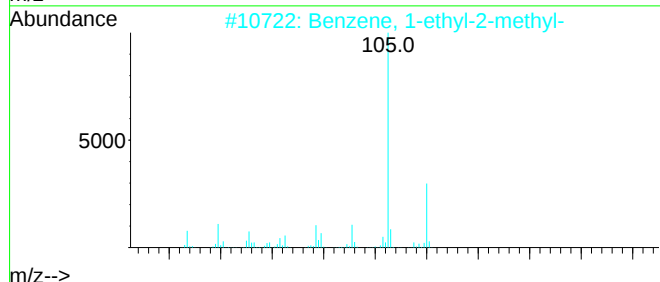
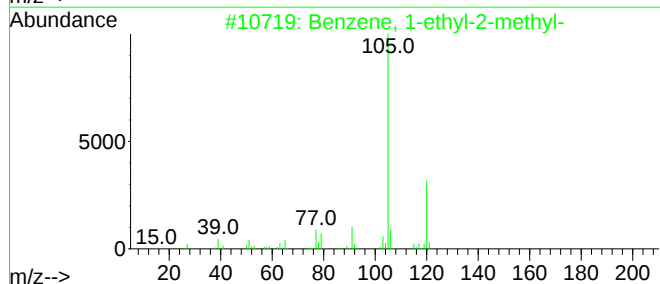
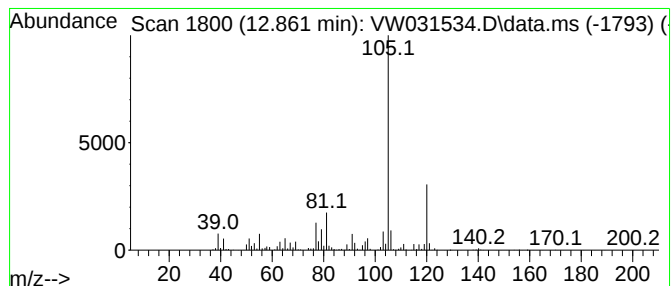
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	5.94 ug/L	639932	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	81
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

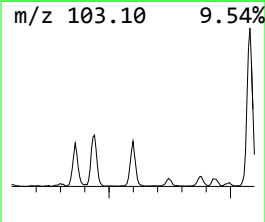
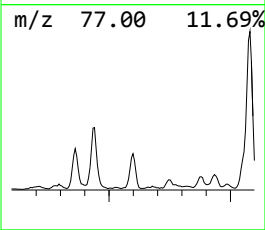
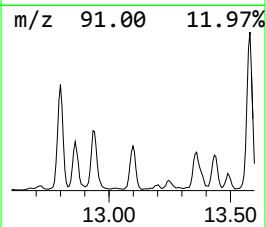
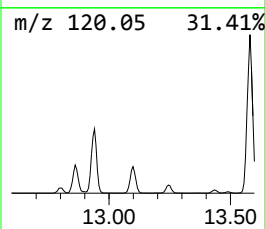
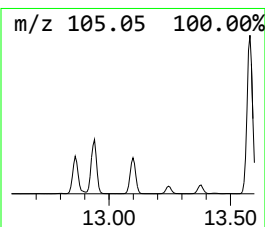
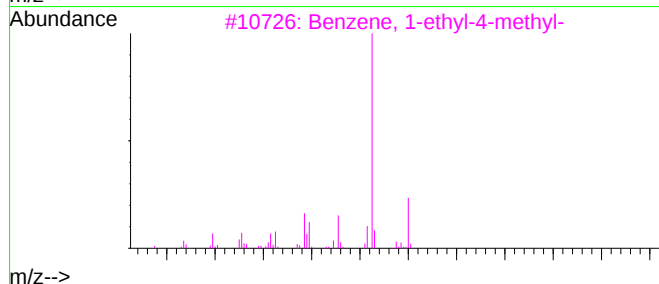
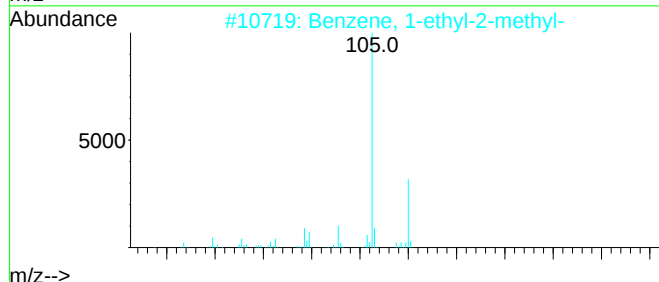
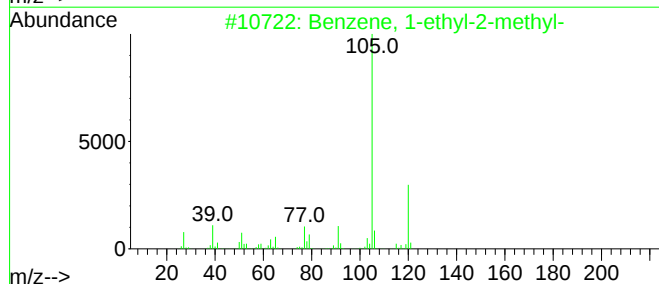
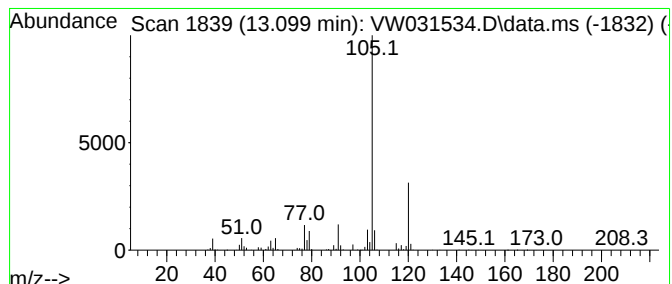
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.099	4.73 ug/L	509232	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Mesitylene	120	C9H12	000108-67-8	91
5	Mesitylene	120	C9H12	000108-67-8	91



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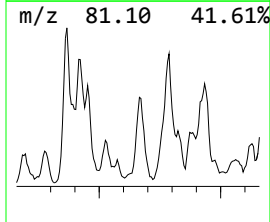
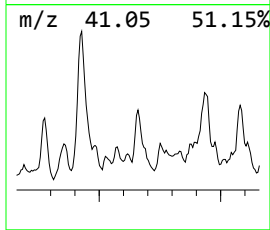
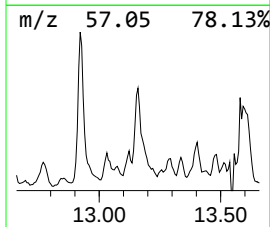
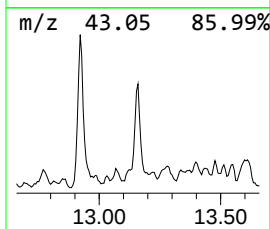
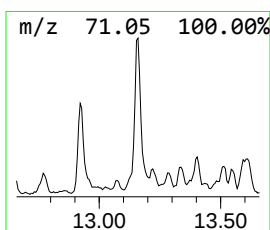
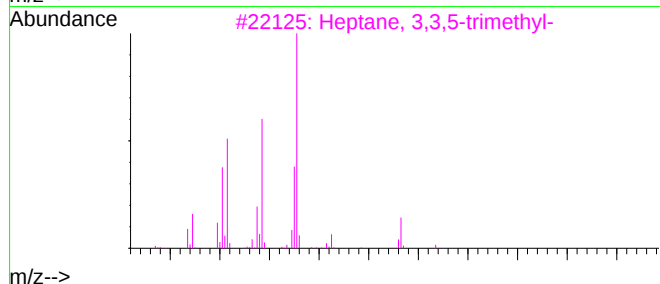
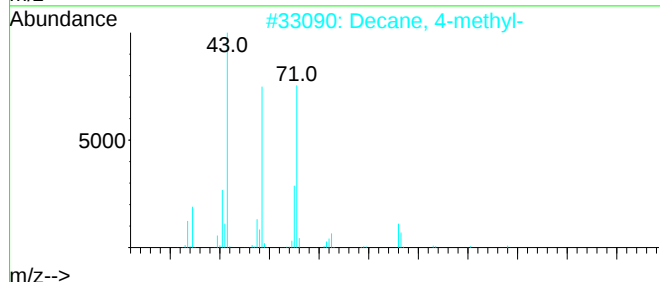
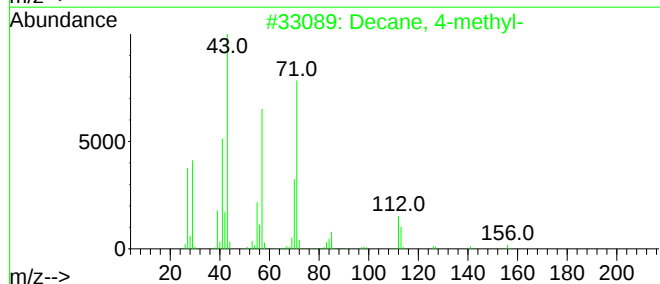
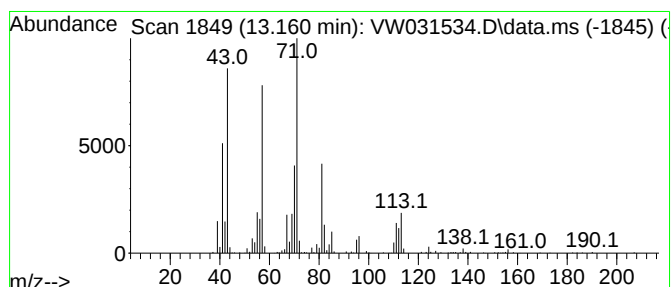
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.160	3.10 ug/L	333665	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	Decane, 4-methyl-	156	C11H24	002847-72-5	83
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

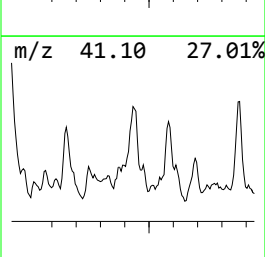
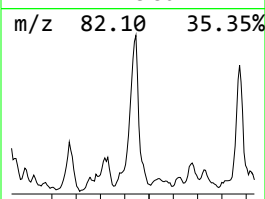
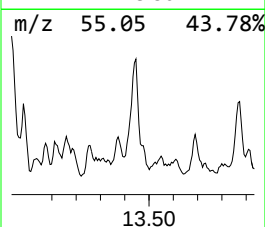
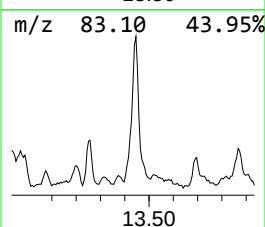
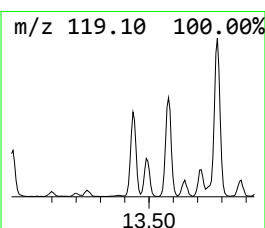
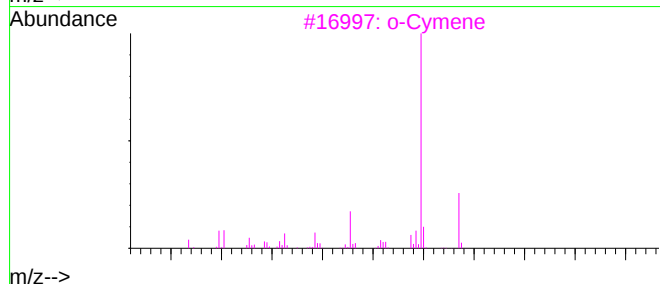
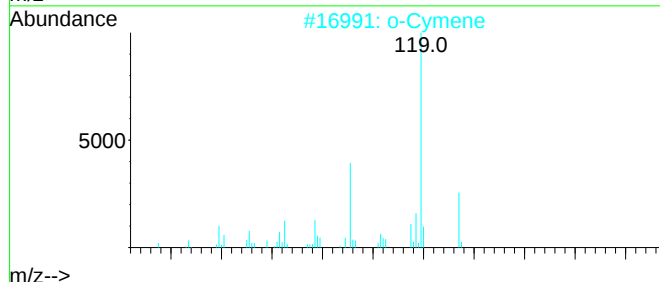
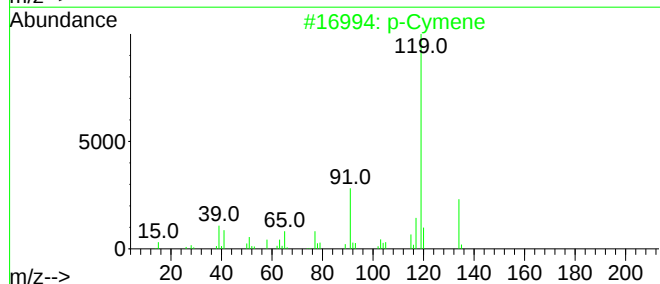
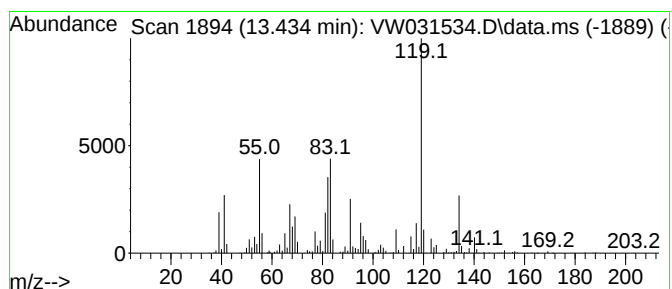
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 8 p-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.434	4.44 ug/L	478238	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	90
2	o-Cymene	134	C10H14	000527-84-4	90
3	o-Cymene	134	C10H14	000527-84-4	89
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	89
5	p-Cymene	134	C10H14	000099-87-6	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

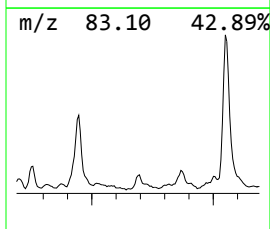
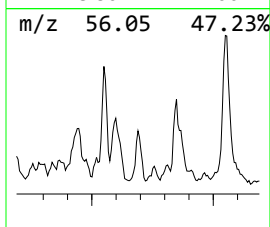
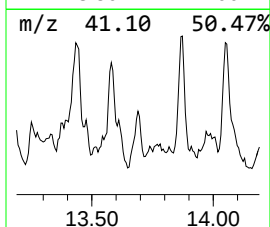
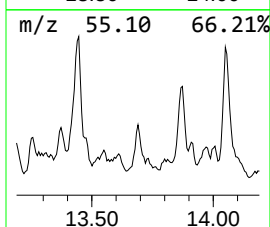
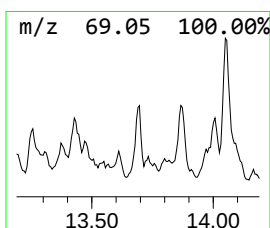
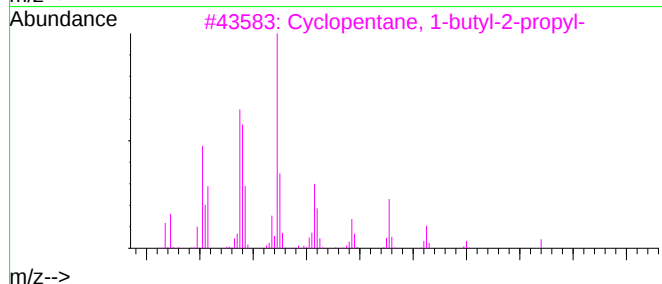
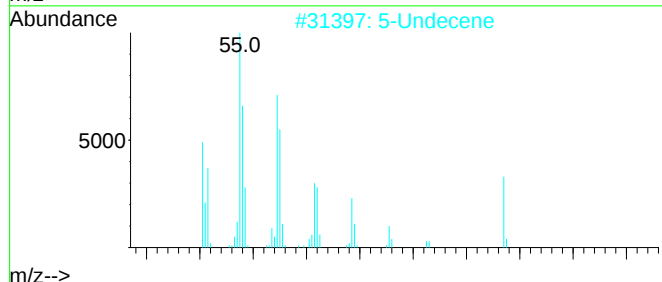
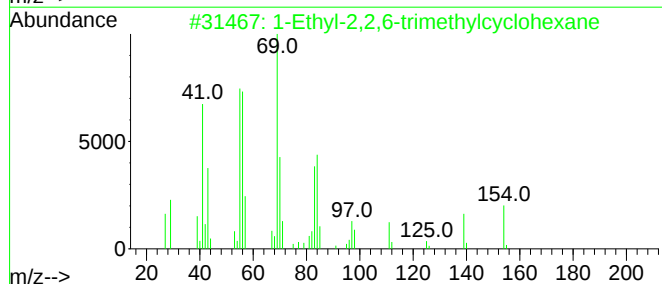
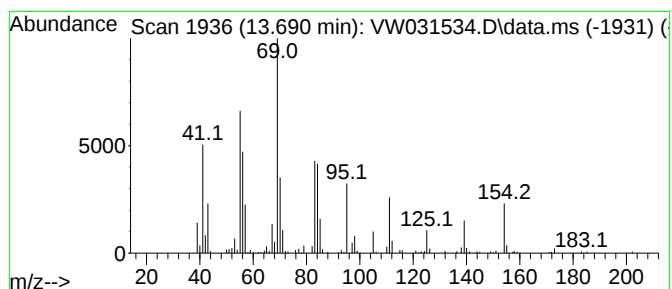
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Cyclic13.690 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.690	1.75 ug/L	188451	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	91
2	5-Undecene	154	C11H22	004941-53-1	74
3	Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	59
4	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	43
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

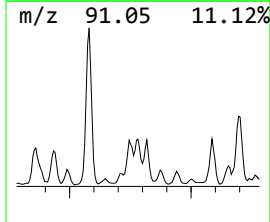
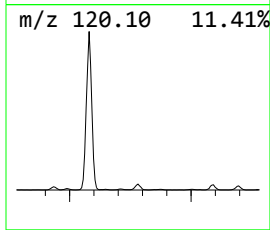
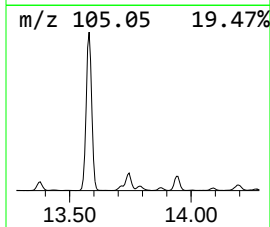
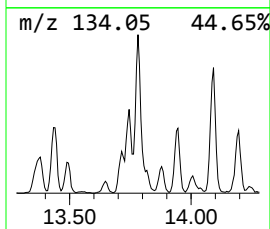
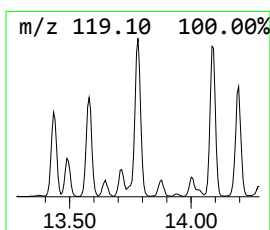
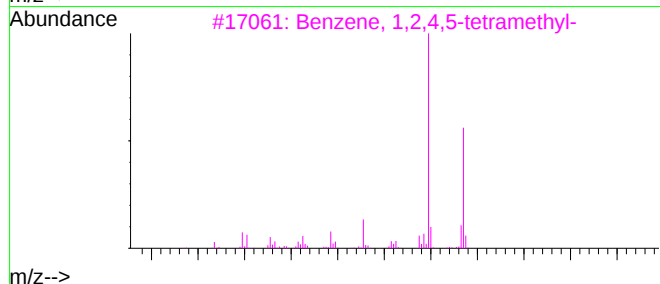
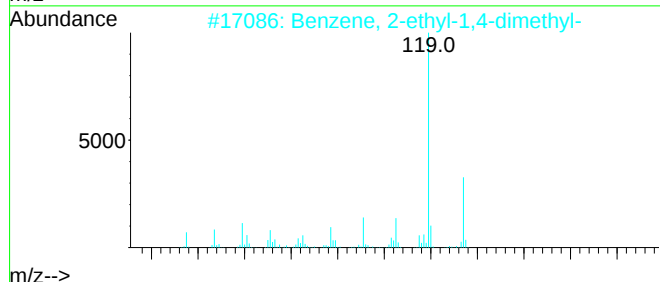
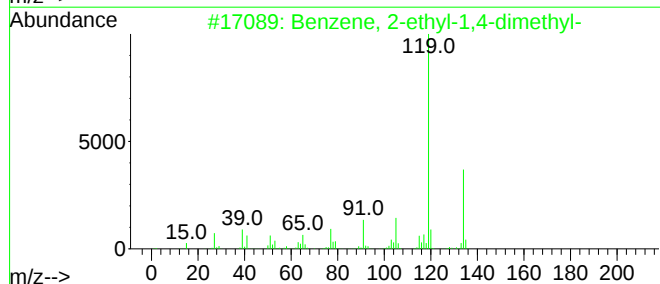
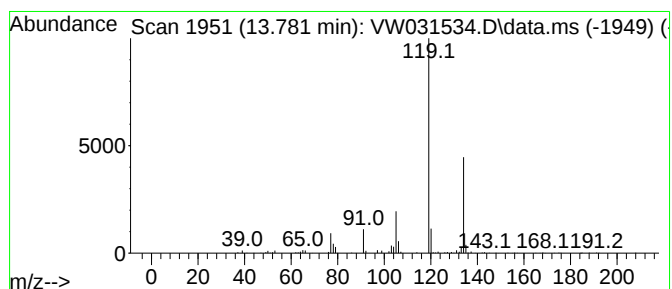
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.781	2.23 ug/L	240702	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83
4	o-Cymene	134	C10H14	000527-84-4	83
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

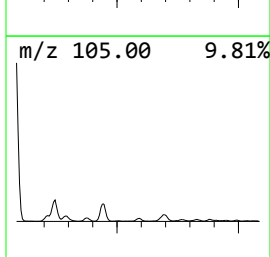
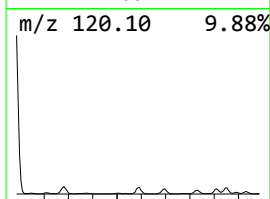
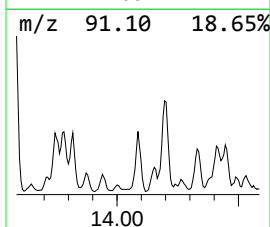
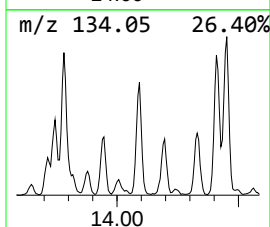
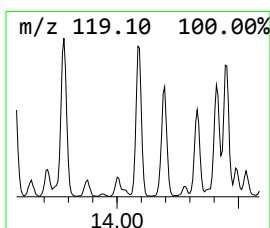
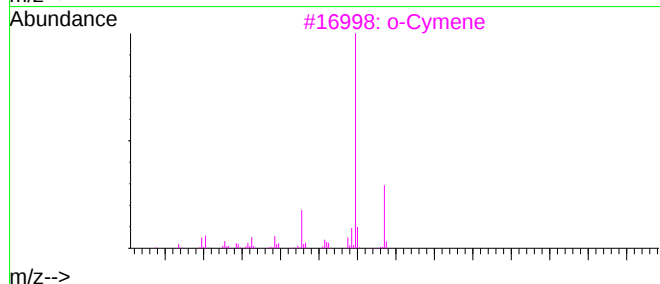
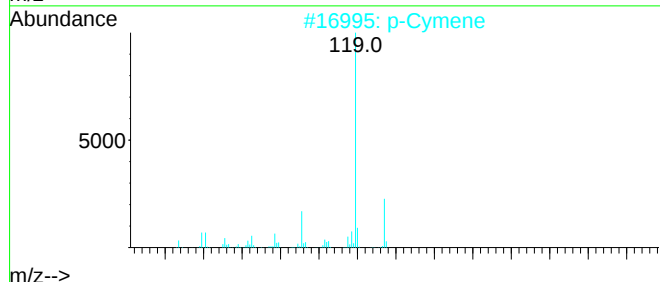
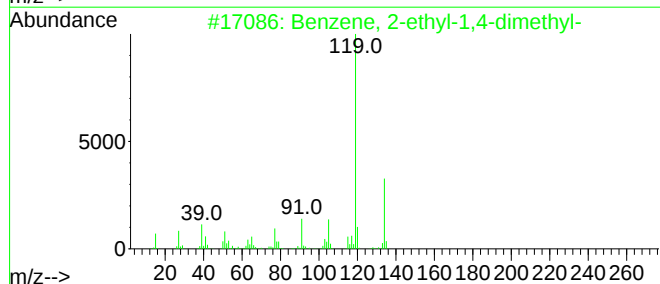
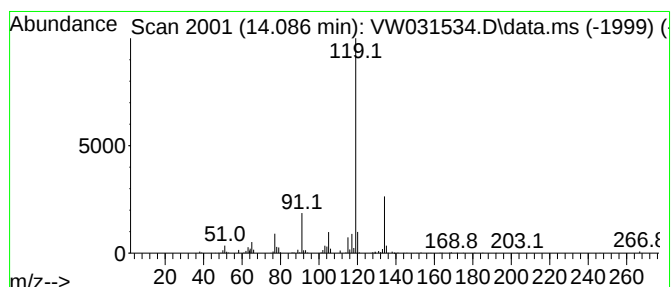
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 13 Benzene, 1-methyl-3-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.086	2.67 ug/L	287285	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-		134	C10H14	001758-88-9	95
2	p-Cymene		134	C10H14	000099-87-6	94
3	o-Cymene		134	C10H14	000527-84-4	94
4	o-Cymene		134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...		134	C10H14	000535-77-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

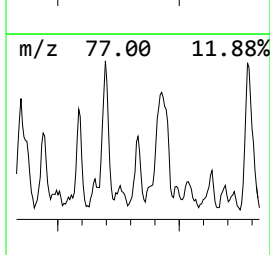
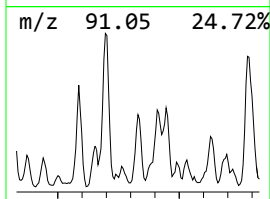
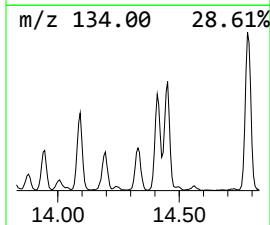
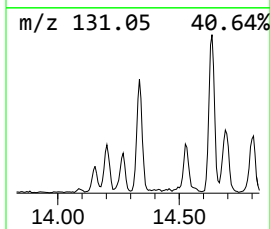
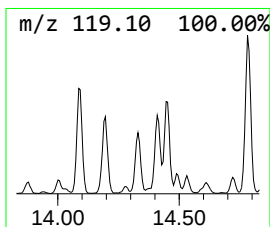
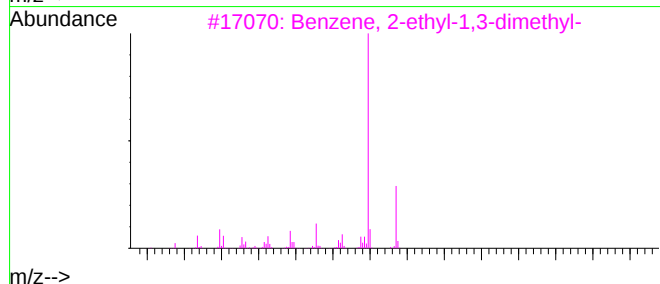
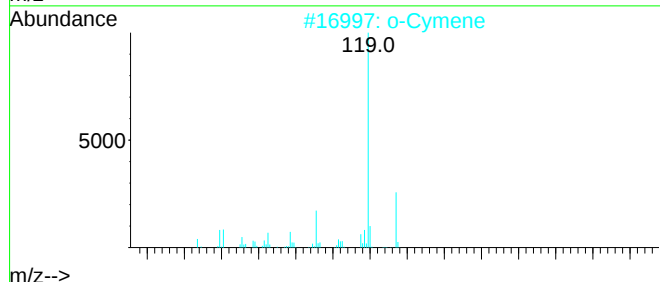
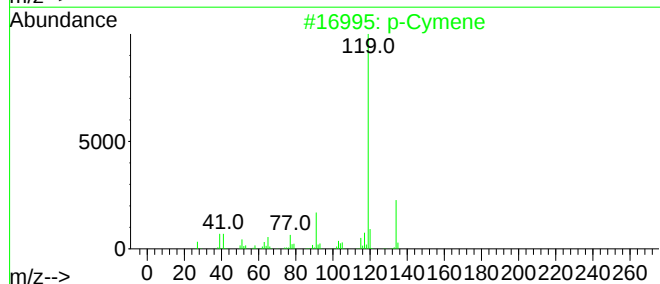
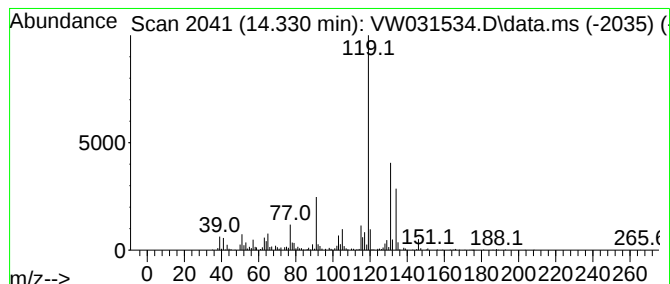
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 15 o-Cymene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.330	2.54 ug/L	273803	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	p-Cymene		134	C10H14	000099-87-6	91
2	o-Cymene		134	C10H14	000527-84-4	91
3	Benzene, 2-ethyl-1,3-dimethyl-		134	C10H14	002870-04-4	91
4	Benzene, 1-ethyl-2,3-dimethyl-		134	C10H14	000933-98-2	83
5	Benzene, 1-ethyl-2,4-dimethyl-		134	C10H14	000874-41-9	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

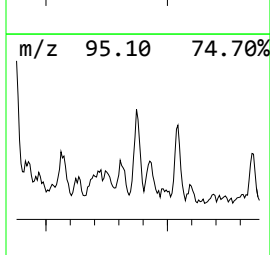
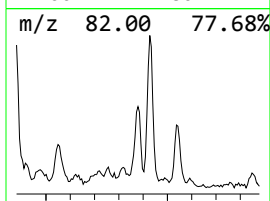
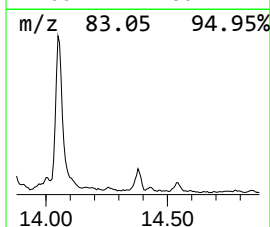
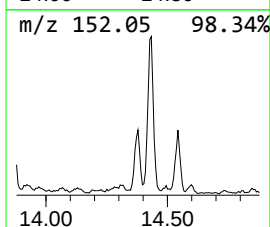
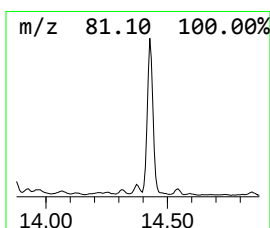
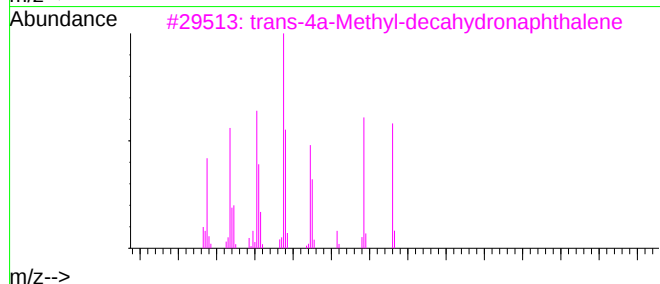
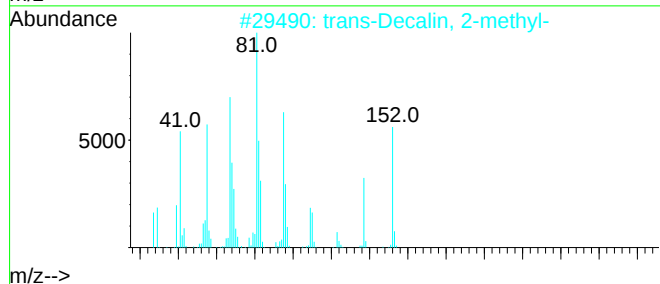
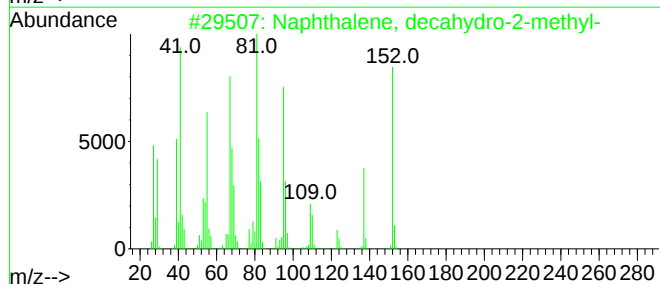
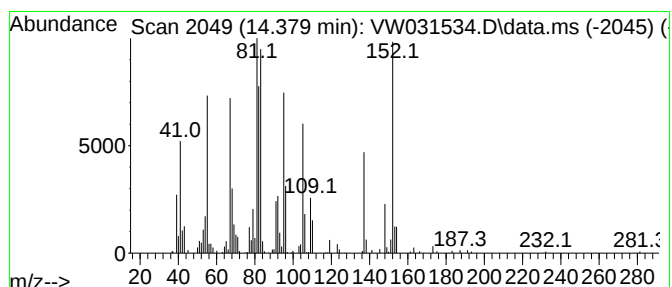
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 16 Naphthalene, decahydro-2-me... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	1.56 ug/L	167841	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
3			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	64
4			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	53
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

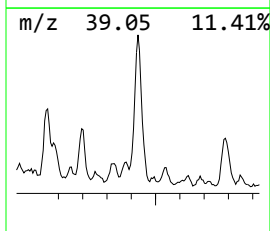
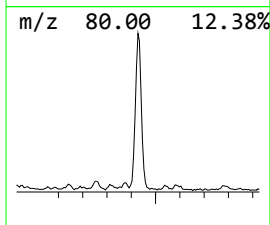
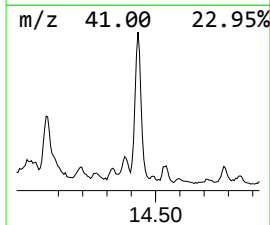
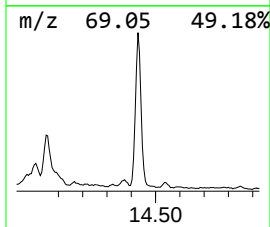
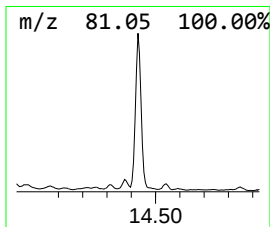
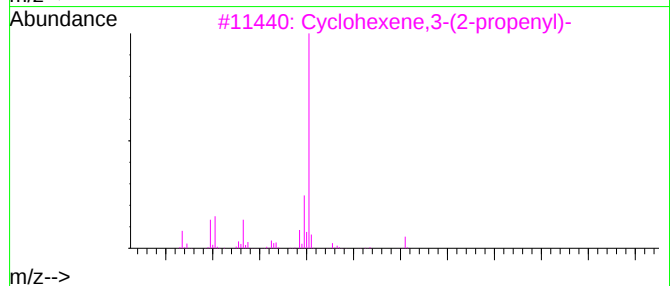
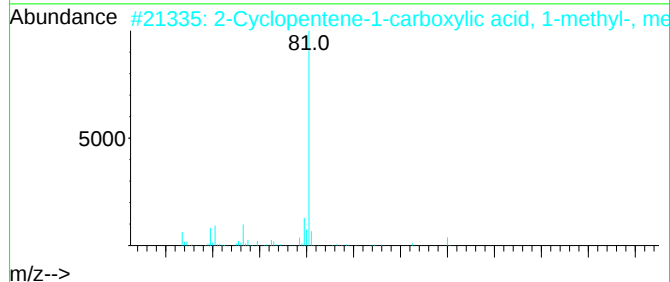
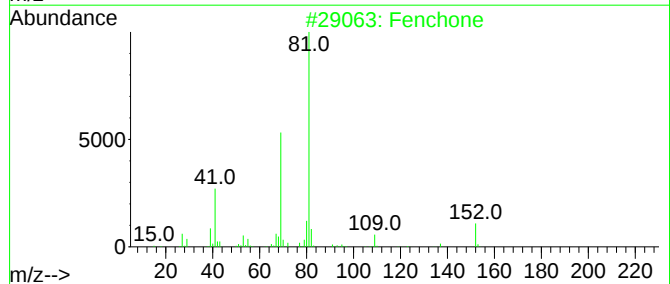
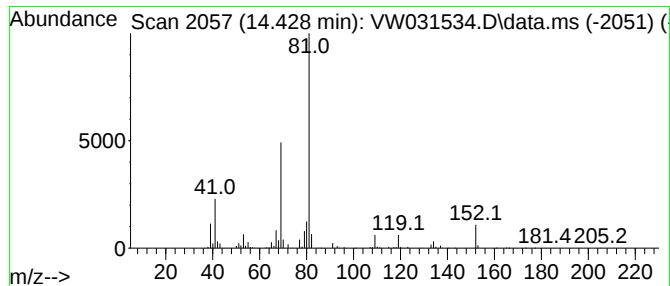
Instrument :
MSVOA_W
ClientSampleId :
YE633

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 Fenchone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.428	11.73 ug/L	1264310	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchone	152	C10H16O	001195-79-5	93
2	2-Cyclopentene-1-carboxylic acid...	140	C8H12O2	068317-73-7	53
3	Cyclohexene,3-(2-propenyl)-	122	C9H14	015232-95-8	42
4	D-Fenchone	152	C10H16O	004695-62-9	38
5	Fenchone	152	C10H16O	001195-79-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

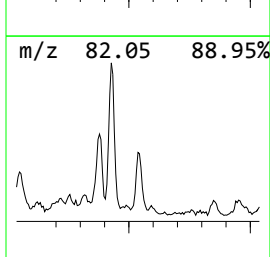
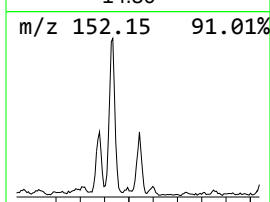
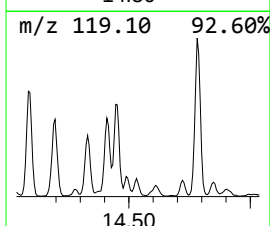
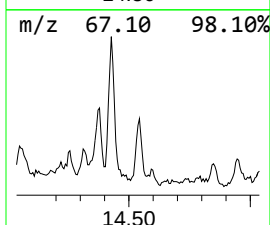
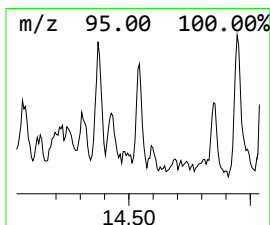
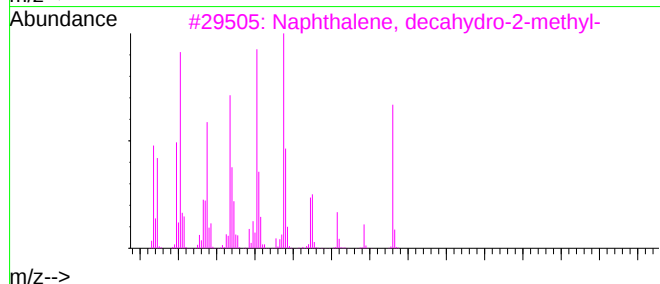
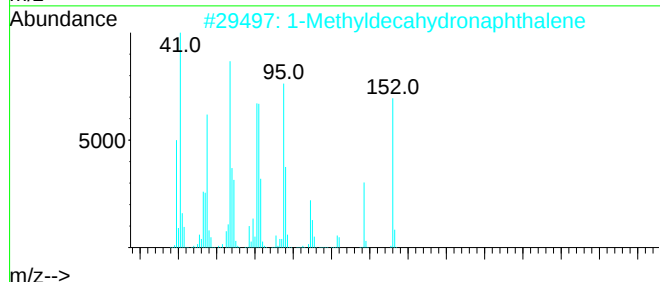
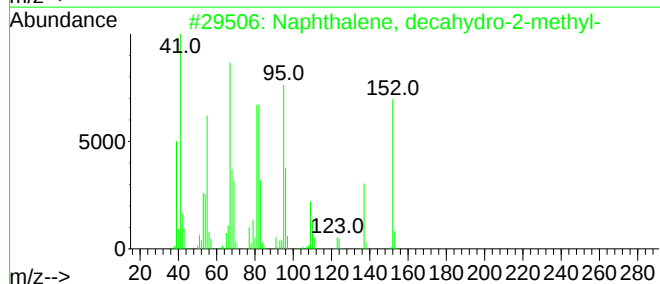
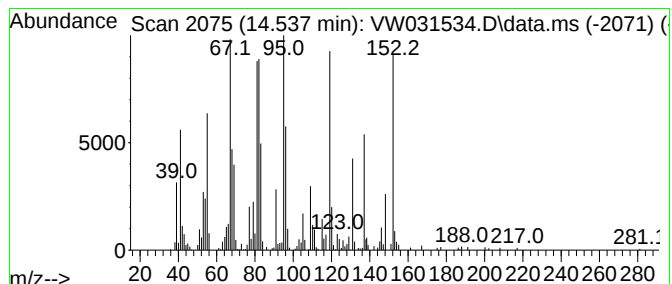
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 18 1-Methyldecahydronaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.537	1.74 ug/L	187782	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	91
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	78
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

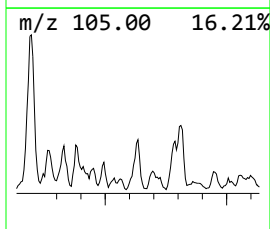
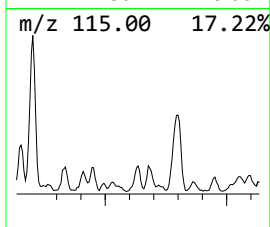
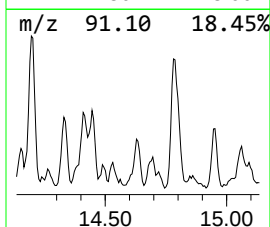
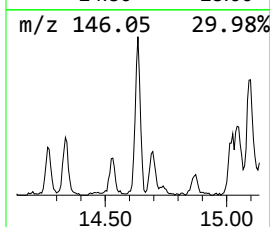
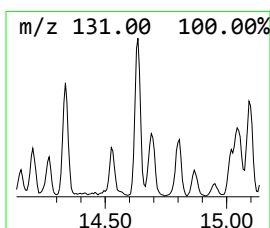
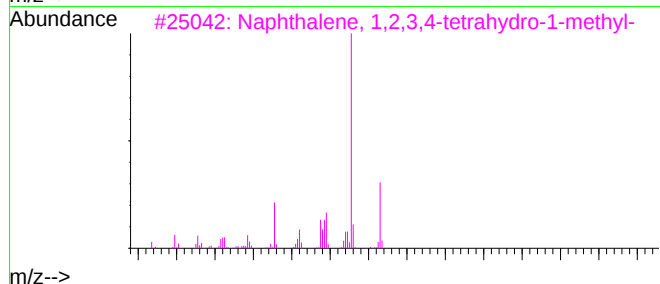
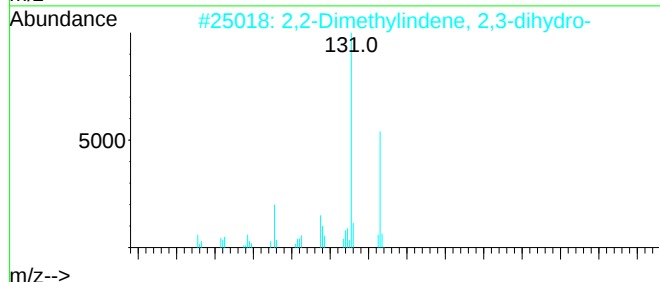
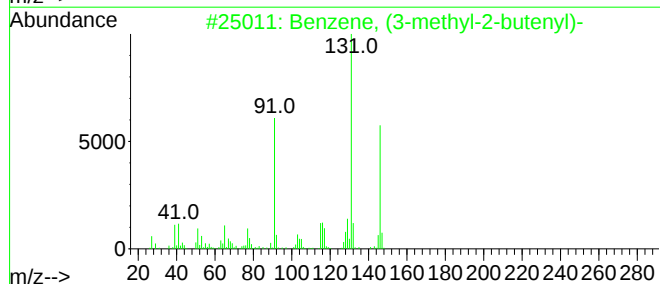
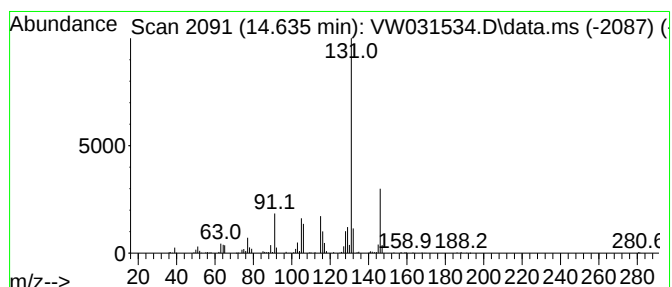
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzene, (3-methyl-2-butenyl)- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.635	1.28 ug/L	137738	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

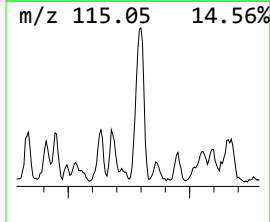
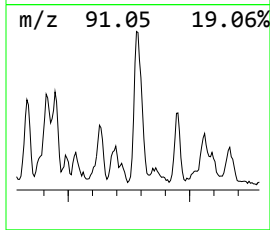
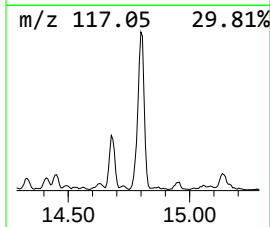
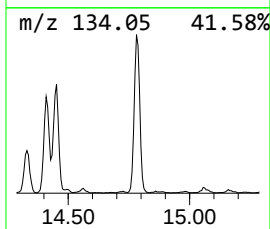
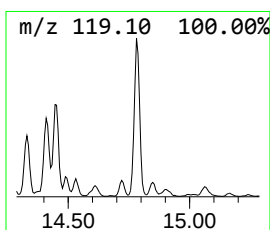
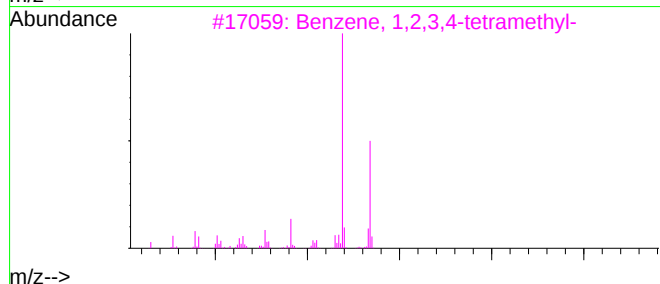
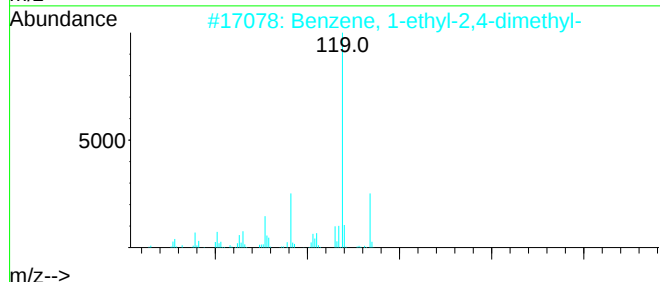
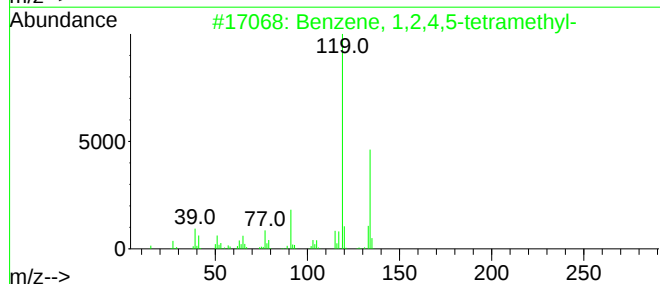
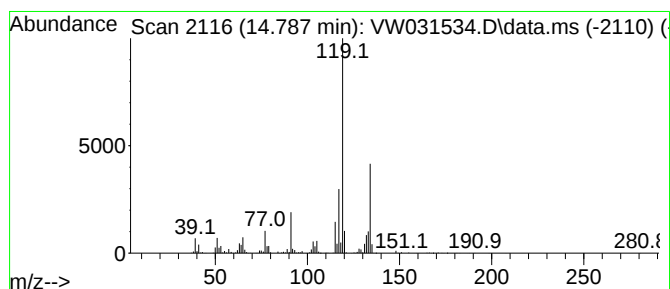
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.787	6.73 ug/L	725370	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	Benzene, 1-ethyl-2,4-dimethyl-		134 C10H14	000874-41-9	93
3	Benzene, 1,2,3,4-tetramethyl-		134 C10H14	000488-23-3	87
4	Benzene, 1,2,4,5-tetramethyl-		134 C10H14	000095-93-2	87
5	1,3-Cyclopentadiene, 1,2,3,4-tet...		134 C10H14	076089-59-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

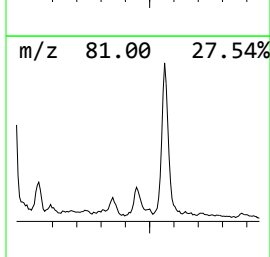
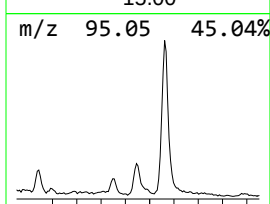
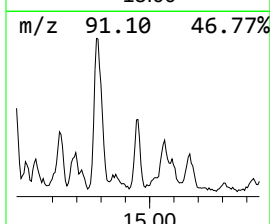
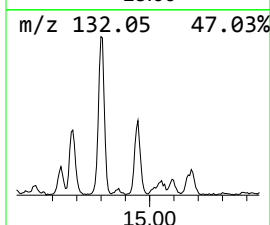
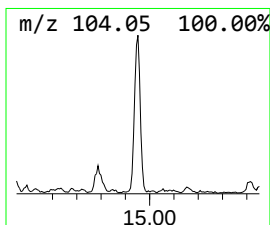
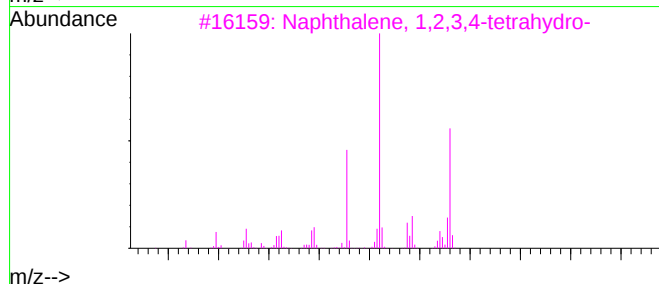
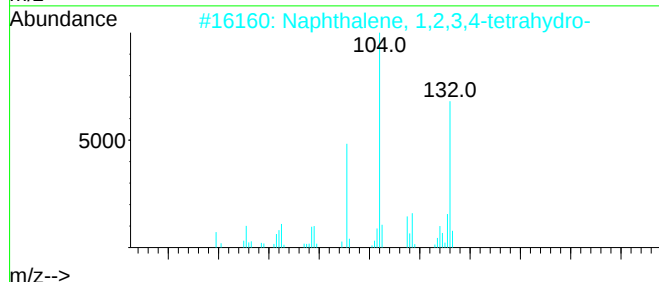
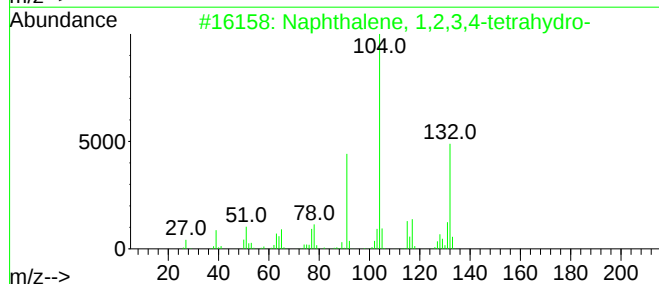
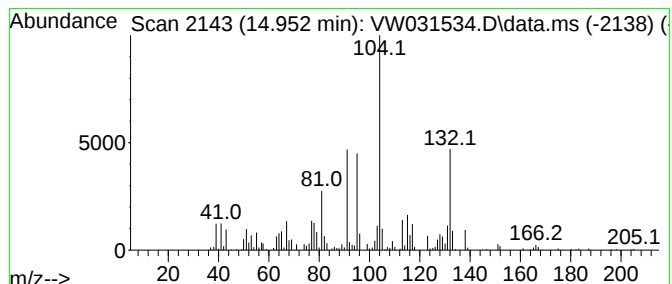
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 21 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.952	1.64 ug/L	176675	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	97
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
5	Indan, epoxide	132	C9H8O	000768-22-9	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

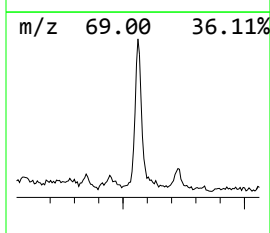
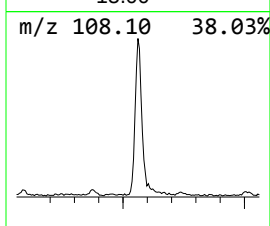
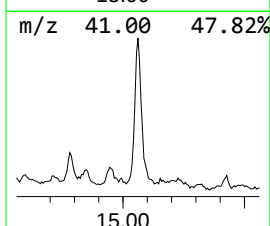
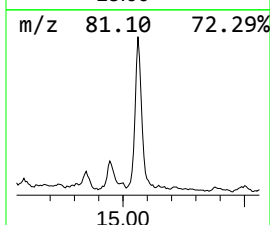
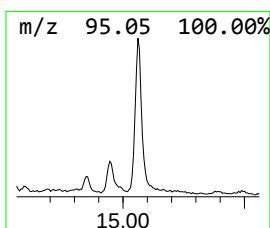
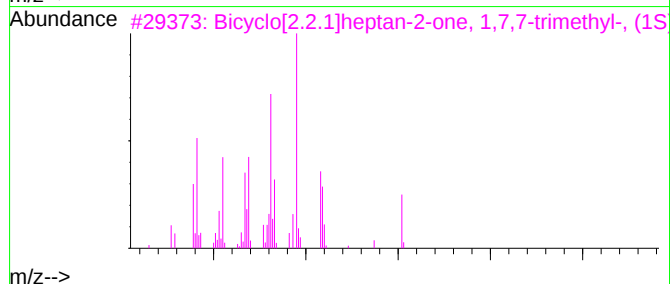
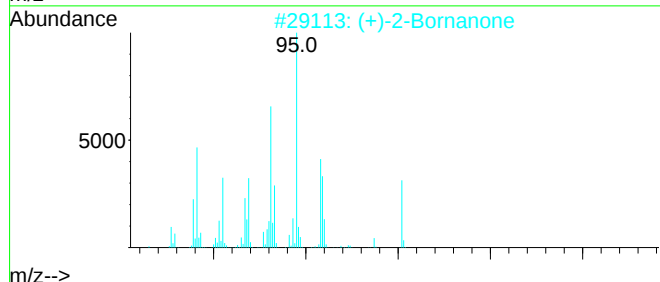
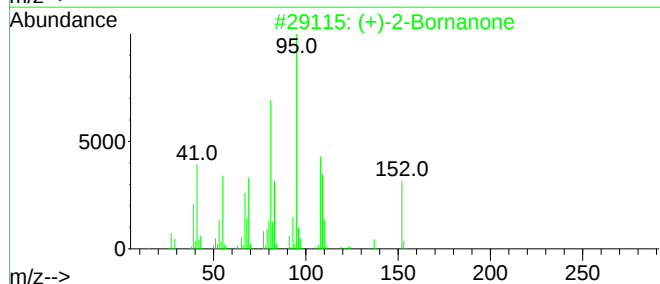
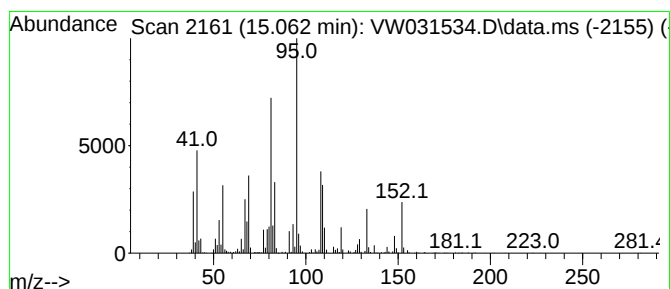
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 22 (+)-2-Bornanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.062	6.71 ug/L	722661	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	96
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	96
4	Camphor	152	C10H16O	000076-22-2	95
5	Camphor	152	C10H16O	000076-22-2	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

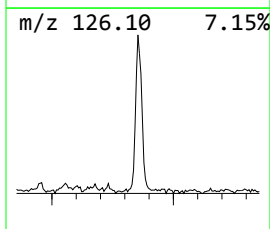
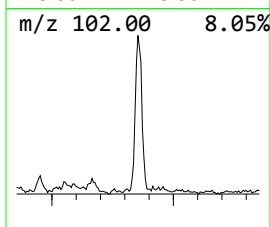
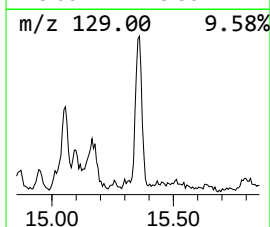
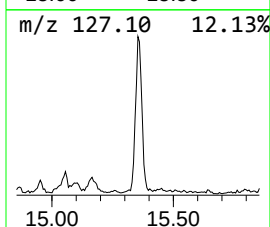
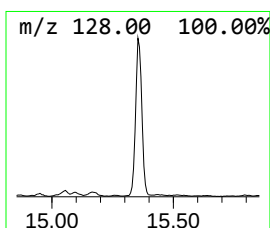
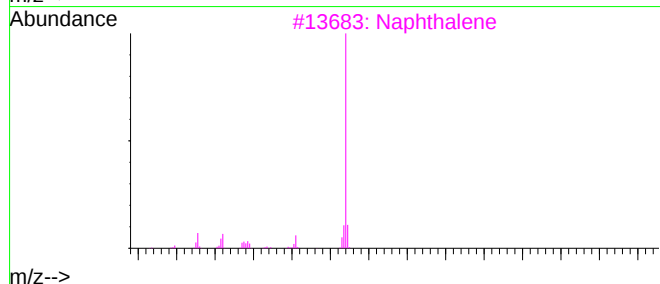
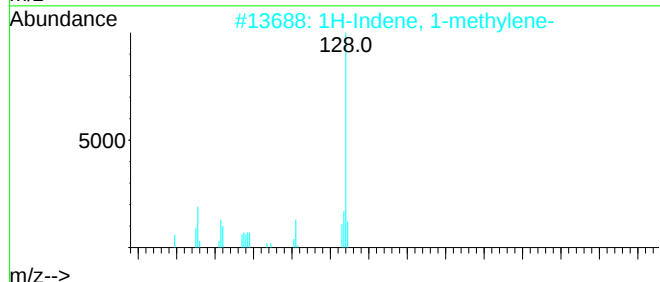
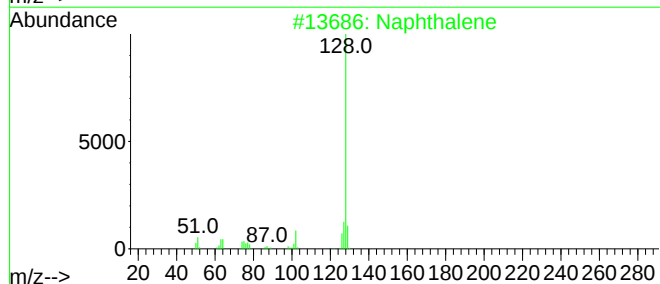
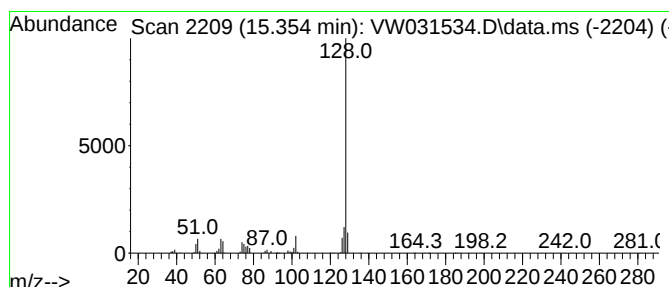
Instrument :
MSVOA_W
ClientSampleId :
YE633

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 Azulene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.354	2.80 ug/L	301197	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	94
3	Naphthalene	128	C10H8	000091-20-3	93
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
Data File : VW031534.D
Acq On : 26 Dec 2024 17:23
Operator : SY/MD
Sample : P5378-02
Misc : 5.64g/10mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE633

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.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
Benzene, 1-ethy...	12.861	5.9	ug/L	639932	3	13.556	2693840	25.0
Benzene, 1-ethy...	13.099	4.7	ug/L	509232	3	13.556	2693840	25.0
(DEL) Alkane: S...	13.160	3.1	ug/L	333665	3	13.556	2693840	25.0
p-Cymene	13.434	4.4	ug/L	478238	3	13.556	2693840	25.0
(DEL) Alkane: C...	13.690	1.8	ug/L	188451	3	13.556	2693840	25.0
Benzene, 2-ethy...	13.781	2.2	ug/L	240702	3	13.556	2693840	25.0
Benzene, 1-meth...	14.086	2.7	ug/L	287285	3	13.556	2693840	25.0
o-Cymene	14.330	2.5	ug/L	273803	3	13.556	2693840	25.0
Naphthalene, de...	14.379	1.6	ug/L	167841	3	13.556	2693840	25.0
Fenchone	14.428	11.7	ug/L	1264310	3	13.556	2693840	25.0
1-Methyldecahyd...	14.537	1.7	ug/L	187782	3	13.556	2693840	25.0
Benzene, (3-met...	14.635	1.3	ug/L	137738	3	13.556	2693840	25.0
Benzene, 1,2,4,...	14.787	6.7	ug/L	725370	3	13.556	2693840	25.0
Naphthalene, 1,...	14.952	1.6	ug/L	176675	3	13.556	2693840	25.0
(+)-2-Bornanone	15.062	6.7	ug/L	722661	3	13.556	2693840	25.0
Azulene	15.354	2.8	ug/L	301197	3	13.556	2693840	25.0