LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

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\SFAMWLM082624SMA.M
Title : SFAM01.0

Signal : TIC: VW030040.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	70	78	94	rBV	53164	146358	8.83%	1.394%
2	2.509	96	102	115	rBV	21190	64504	3.89%	0.615%
3	2.820	149	153	157	rBV	3756	6264	0.38%	0.060%
4	2.899	158	166	182	rVB	35944	107226	6.47%	1.022%
5	3.302	227	232	237	rBV3	1651	3355	0.20%	0.032%
6	3.387	238	246	256	rBV	51111	120324	7.26%	1.146%
7	4.021	337	350	361	rBV2	97709	329903	19.90%	3.143%
8	4.143	362	370	387	rVB	119117	392214	23.66%	3.737%
9	4.478	421	425	426	rBV3	419	522	0.03%	0.005%
10	4.679	450	458	470	rVV2	8042	24557	1.48%	0.234%
11	4.917	485	497	525	rVB	26269	107555	6.49%	1.025%
12	5.789	628	640	653	rBV2	5391	17761	1.07%	0.169%
13	5.941	655	665	676	rVB4	7609	23764	1.43%	0.226%
14	6.112	684	693	703	rBV2	4765	14622	0.88%	0.139%
15	6.600	772	773	777	rVV2	307	459	0.03%	0.004%
16	6.898	812	822	836	rBV3	22284	67912	4.10%	0.647%
17	7.087	845	853	862	rBV	23701	72440	4.37%	0.690%
18	7.185	863	869	885	rVB	9546	30444	1.84%	0.290%
19	7.557	925	930	932	rBV2	359	503	0.03%	0.005%
20	7.648	934	945	956	rBV	143225	350713	21.15%	3.342%
21	7.782	964	967	968	rBV	492	491	0.03%	0.005%
22	7.917	985	989	995	rVB3	410	784	0.05%	0.007%
23	8.276	1037	1048	1065	rBV2	281586	845244	50.98%	8.053%
24	8.551	1082	1093	1109	rVV2	12181	35728	2.15%	0.340%
25	8.703	1109	1118	1129	rVV	55287	127281	7.68%	1.213%
26	8.843	1132	1141	1151	rVB	326373	645811	38.95%	6.153%
27	9.063	1170	1177	1179	rBV3	1264	2492	0.15%	0.024%
28	9.270	1203	1211	1221	rBV	189043	392296	23.66%	3.738%
29	9.404	1226	1233	1250	rVV	177218	336415	20.29%	3.205%
30	9.556	1253	1258	1262	rVB3	1136	2223	0.13%	0.021%
31	9.666	1271	1276	1283	rVB4	792	1696	0.10%	0.016%
32	9.752	1289	1290	1298	rVB3	429	582	0.04%	0.006%
33	10.032	1323	1336	1346	rBV	96573	179852	10.85%	1.714%
34	10.148	1351	1355	1361	rVB5	1705	3641	0.22%	0.035%
35	10.203	1361	1364	1370	rVB5	730	1242	0.07%	0.012%
36	10.319	1372	1383	1389	rBV	340725	663138	40.00%	6.318%

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Instrument :
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ClientSampleId :
DCXZ1

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\SFAMWLM082624SMA.M
Title : SFAM01.0

37	10.386	1389	1394	1407	rVB	112172	203754	12.29%	1.941%
38	10.501	1407	1413	1418	rBV	7400	11925	0.72%	0.114%
39	10.575	1418	1425	1432	rBV	58478	103922	6.27%	0.990%
40	10.703	1440	1446	1450	rBV	8226	13750	0.83%	0.131%
41	10.745	1450	1453	1461	rVB2	5176	8876	0.54%	0.085%
42	10.922	1475	1482	1498	rBV	104413	182465	11.01%	1.738%
43	11.068	1498	1506	1519	rBV	1024470	1658009	100.00%	15.797%
44	11.459	1568	1570	1576	rVB2	652	917	0.06%	0.009%
45	11.568	1583	1588	1591	rBV4	1881	2866	0.17%	0.027%
46	11.629	1591	1598	1605	rVV	312625	523936	31.60%	4.992%
47	11.745	1611	1617	1624	rVB5	1736	3763	0.23%	0.036%
48	11.843	1624	1633	1644	rBV	99185	199363	12.02%	1.899%
49	11.946	1645	1650	1656	rVV3	11106	20091	1.21%	0.191%
50	12.013	1657	1661	1668	rVB	10946	18283	1.10%	0.174%
51	12.099	1673	1675	1681	rVB5	2192	3591	0.22%	0.034%
52	12.172	1686	1687	1690	rVB3	931	630	0.04%	0.006%
53	12.233	1690	1697	1705	rBV	7017	12770	0.77%	0.122%
54	12.336	1707	1714	1729	rBV3	62858	122483	7.39%	1.167%
55	12.464	1729	1735	1741	rBV	94315	156320	9.43%	1.489%
56	12.599	1751	1757	1763	rBV3	12599	20700	1.25%	0.197%
57	12.684	1764	1771	1775	rBV	135673	291331	17.57%	2.776%
58	12.812	1788	1792	1798	rVB6	1623	2721	0.16%	0.026%
59	12.934	1801	1812	1822	rBV4	13573	38220	2.31%	0.364%
60	13.025	1822	1827	1832	rBV4	5966	11774	0.71%	0.112%
61	13.092	1833	1838	1843	rBV2	22155	38478	2.32%	0.367%
62	13.153	1843	1848	1852	rBV	46084	68400	4.13%	0.652%
63	13.208	1852	1857	1862	rBV	50383	74729	4.51%	0.712%
64	13.269	1862	1867	1878	rVB3	64502	121494	7.33%	1.158%
65	13.391	1880	1887	1893	rBV2	63264	116782	7.04%	1.113%
66	13.464	1893	1899	1901	rBV	252837	382440	23.07%	3.644%
67	13.556	1909	1914	1919	rVB	166607	261084	15.75%	2.488%
68	13.617	1919	1924	1935	rVB3	20834	45108	2.72%	0.430%
69	13.714	1935	1940	1944	rBV7	1733	3006	0.18%	0.029%
70	13.848	1955	1962	1976	rBV	113866	205720	12.41%	1.960%
71	14.013	1982	1989	1993	rBV4	14588	31271	1.89%	0.298%
72	14.068	1993	1998	2007	rVV3	66408	117014	7.06%	1.115%
73	14.147	2007	2011	2018	rVV5	7480	12816	0.77%	0.122%
74	14.214	2019	2022	2029	rVB4	2129	3584	0.22%	0.034%
75	14.318	2033	2039	2046	rBV	34179	54975	3.32%	0.524%
76	14.428	2054	2057	2059	rBV2	641	883	0.05%	0.008%

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DCXZ1

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

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Title : SFAM01.0

77	14.482	2064	2066	2069	rBV3	593	732	0.04%	0.007%
78	14.519	2069	2072	2081	rVB5	1606	3154	0.19%	0.030%
79	14.617	2083	2088	2091	rBV3	2277	3384	0.20%	0.032%
80	14.684	2092	2099	2110	rBV	27888	53762	3.24%	0.512%
81	14.775	2111	2114	2120	rVB7	1840	2753	0.17%	0.026%
82	14.848	2124	2126	2131	rBV6	1557	2145	0.13%	0.020%
83	14.946	2137	2142	2149	rBV2	14797	22971	1.39%	0.219%
84	15.019	2149	2154	2157	rBV6	2176	3973	0.24%	0.038%
85	15.062	2157	2161	2163	rBV4	1611	2376	0.14%	0.023%
86	15.110	2165	2169	2173	rBV2	7339	12039	0.73%	0.115%
87	15.165	2173	2178	2180	rBV4	3856	6236	0.38%	0.059%
88	15.208	2180	2185	2187	rBV2	6582	10034	0.61%	0.096%
89	15.293	2195	2199	2204	rVB3	11677	19441	1.17%	0.185%
90	15.385	2212	2214	2215	rBV2	837	642	0.04%	0.006%
91	15.488	2225	2231	2240	rVV5	5162	12873	0.78%	0.123%
92	15.671	2258	2261	2265	rBV4	509	864	0.05%	0.008%
93	15.769	2271	2277	2279	rBV5	1449	2643	0.16%	0.025%
94	15.842	2283	2289	2299	rVV3	15021	32866	1.98%	0.313%
95	15.952	2302	2307	2315	rVV	8280	16754	1.01%	0.160%
96	16.031	2315	2320	2325	rVV7	4712	10093	0.61%	0.096%
97	16.092	2327	2330	2339	rVB6	1877	3524	0.21%	0.034%
98	16.452	2387	2389	2390	rBV	637	534	0.03%	0.005%
99	16.683	2425	2427	2431	rVB4	631	705	0.04%	0.007%
100	16.744	2434	2437	2438	rBV2	478	494	0.03%	0.005%

Sum of corrected areas: 10495552

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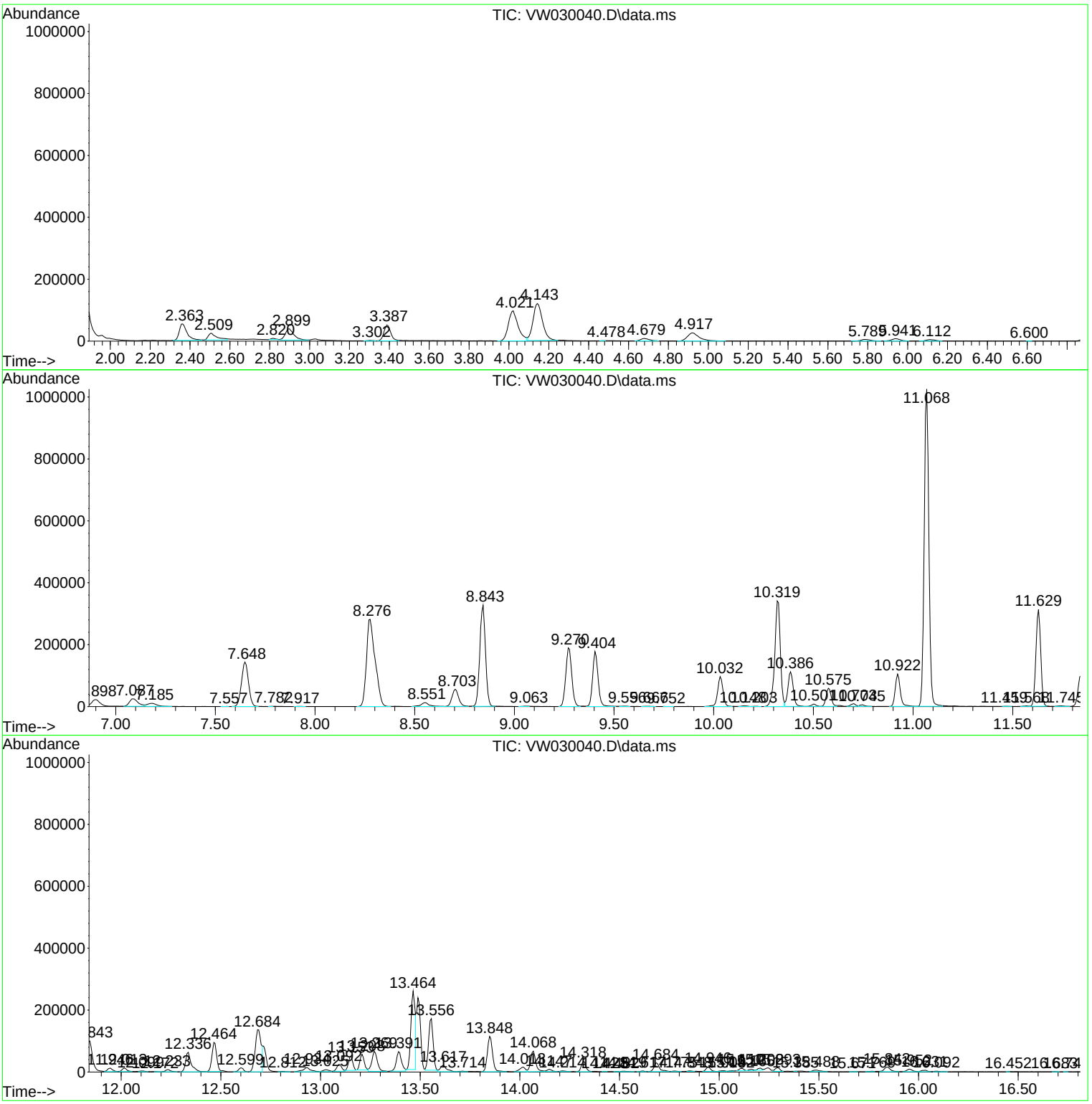
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

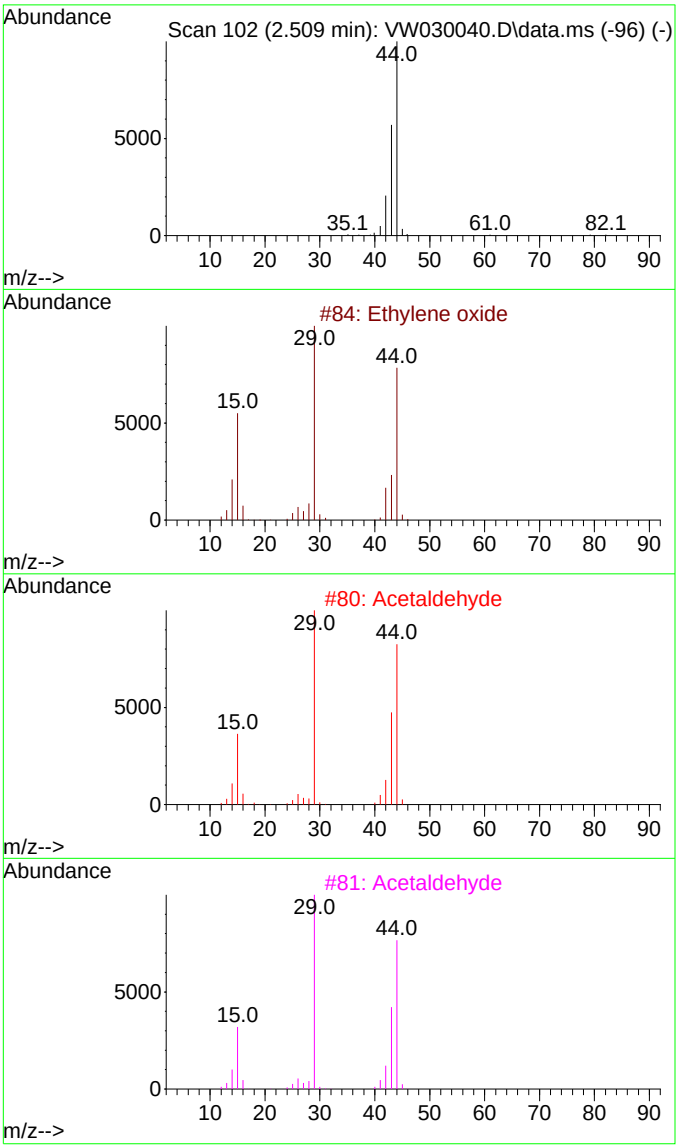
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

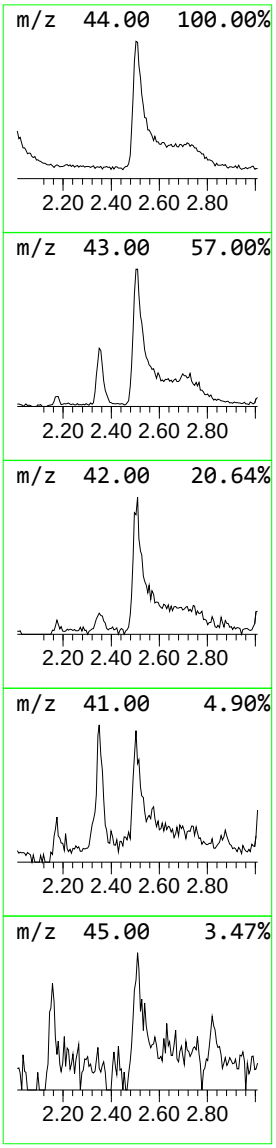
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.509	2.50 ug/L	64504	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	9
2	Acetaldehyde	44	C2H4O	000075-07-0	9
3	Acetaldehyde	44	C2H4O	000075-07-0	9
4	Ethylene oxide	44	C2H4O	000075-21-8	7
5	Ethylene oxide	44	C2H4O	000075-21-8	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

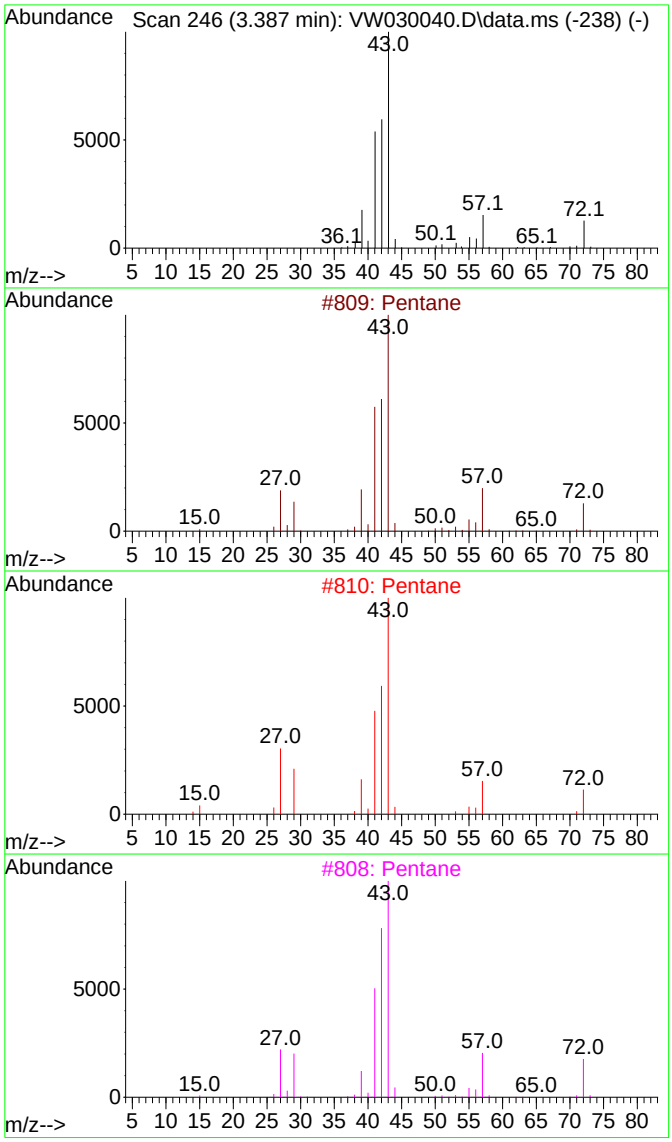
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

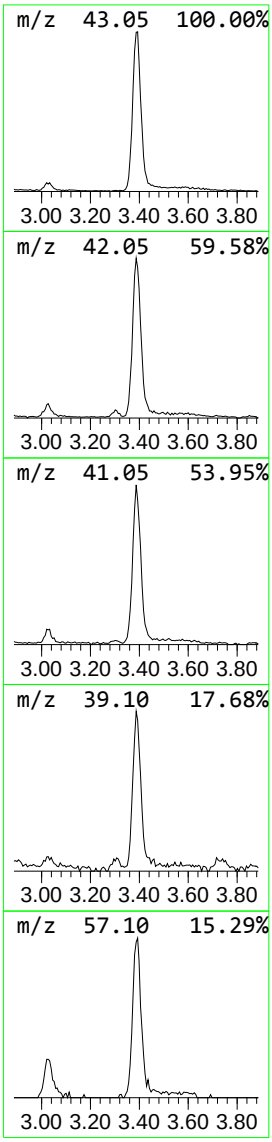
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.387	4.66 ug/L	120324	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	90
5	Pentane	72	C5H12	000109-66-0	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

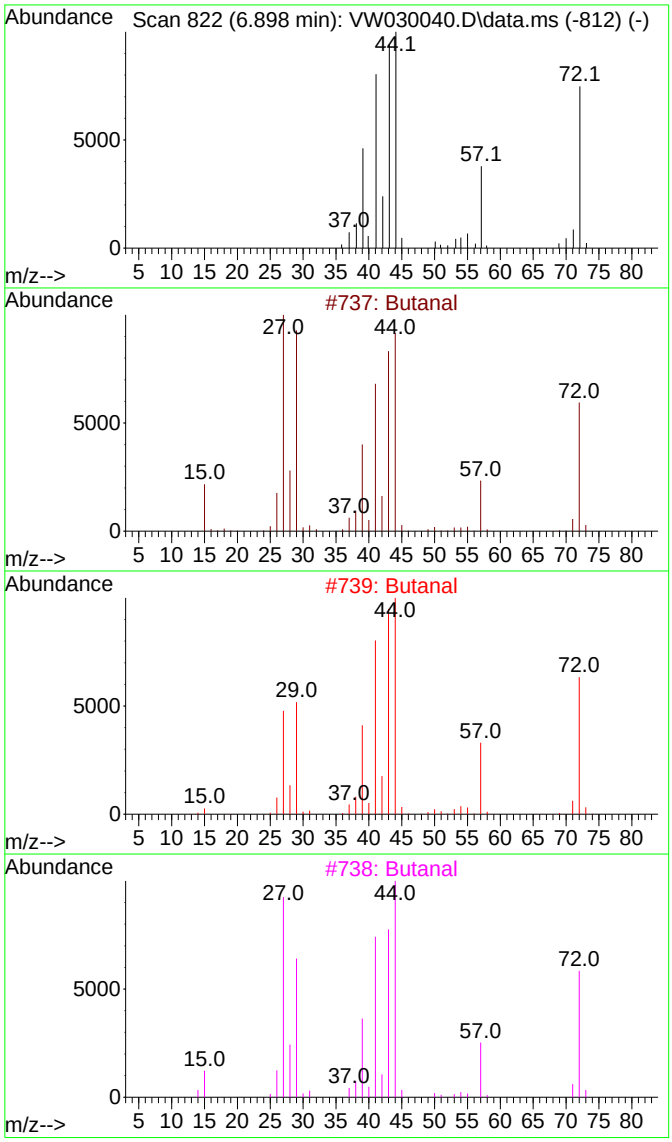
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

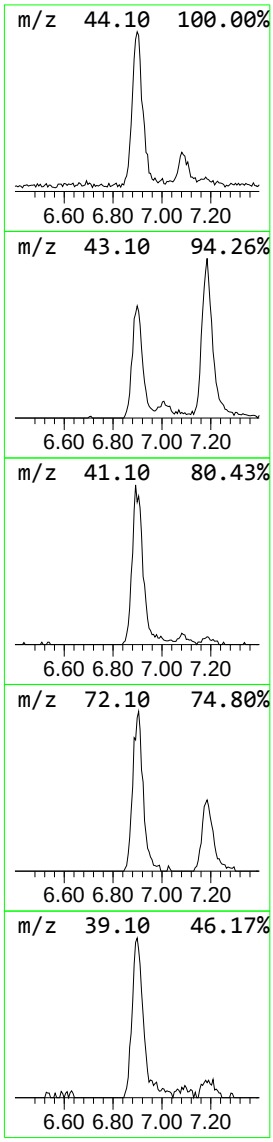
****

Peak Number 3 Butanal Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.898	2.63 ug/L	67912	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	91
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	72
4	Butanal	72	C4H8O	000123-72-8	59
5	Butanal	72	C4H8O	000123-72-8	59





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Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

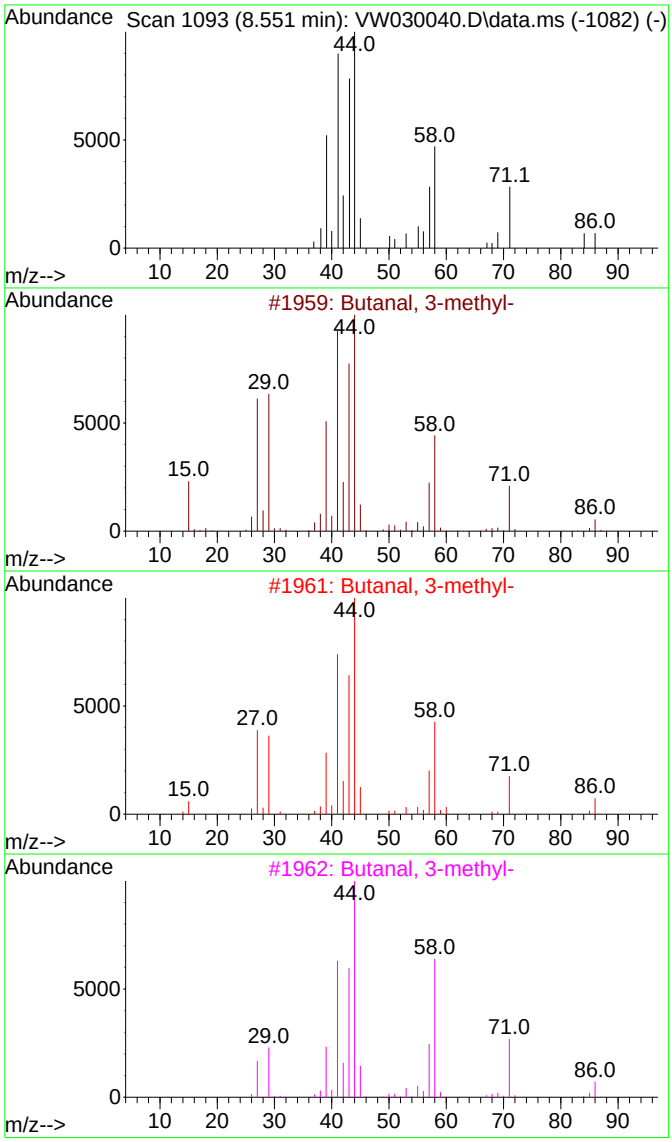
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

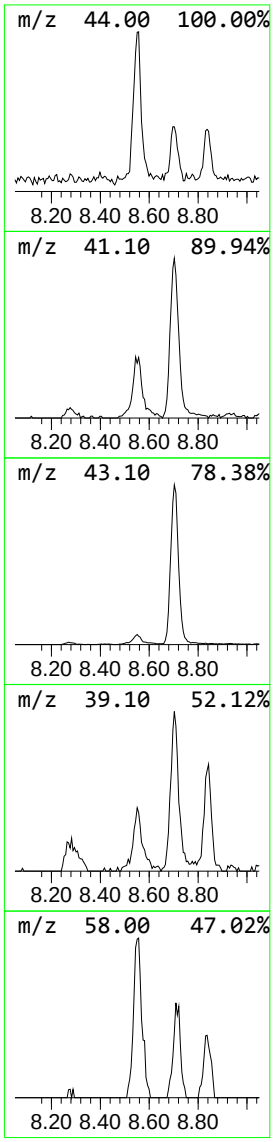
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Butanal, 3-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.551	1.38 ug/L	35728	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	91
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	49
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	47
5	Pentanal	86	C5H10O	000110-62-3	46





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

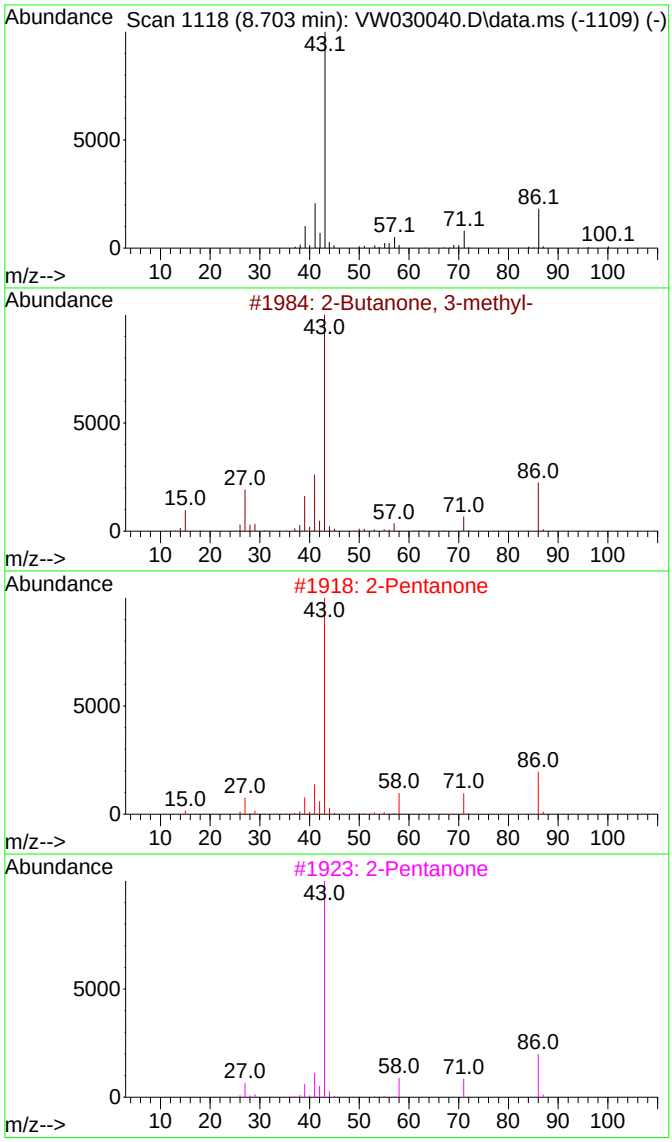
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

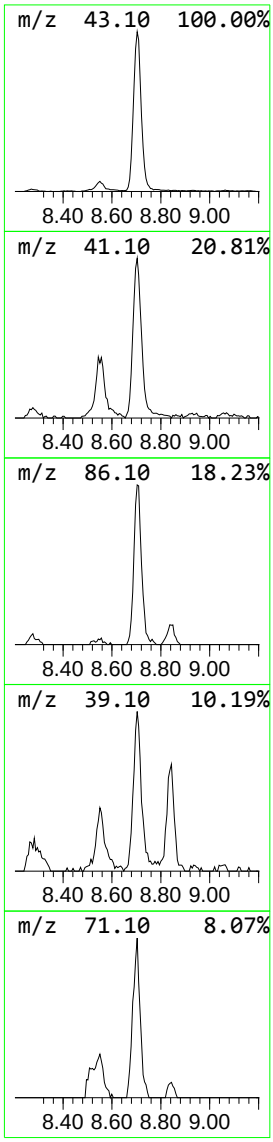
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Butanone, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.703	4.93 ug/L	127281	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	59
2	2-Pentanone	86	C5H10O	000107-87-9	58
3	2-Pentanone	86	C5H10O	000107-87-9	58
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	53
5	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	53





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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

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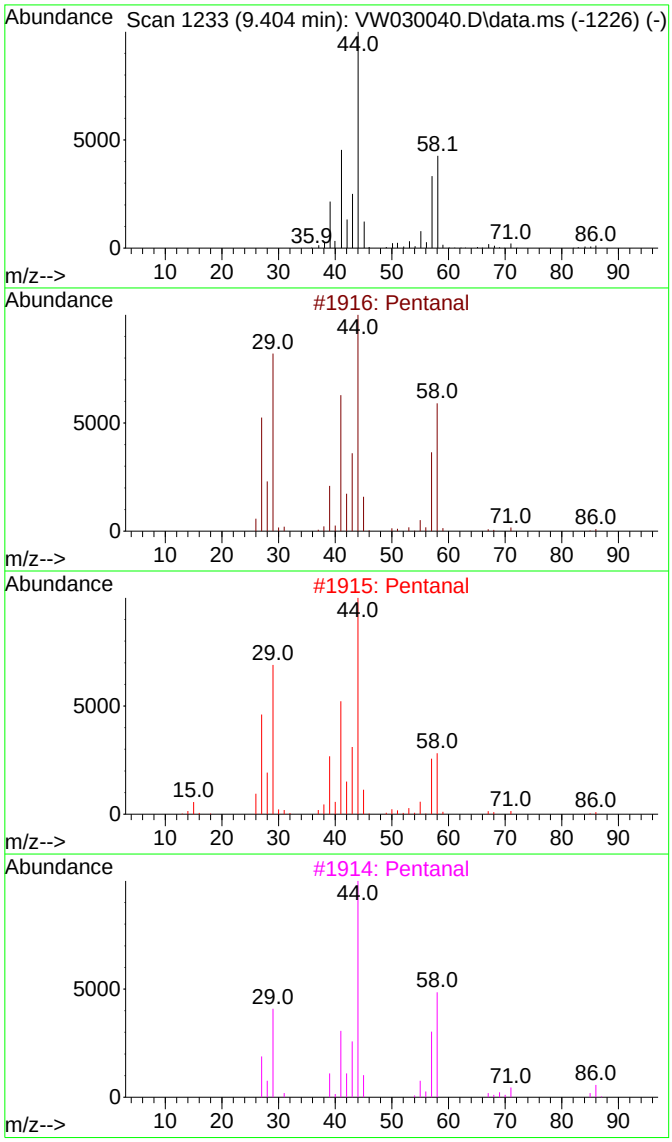
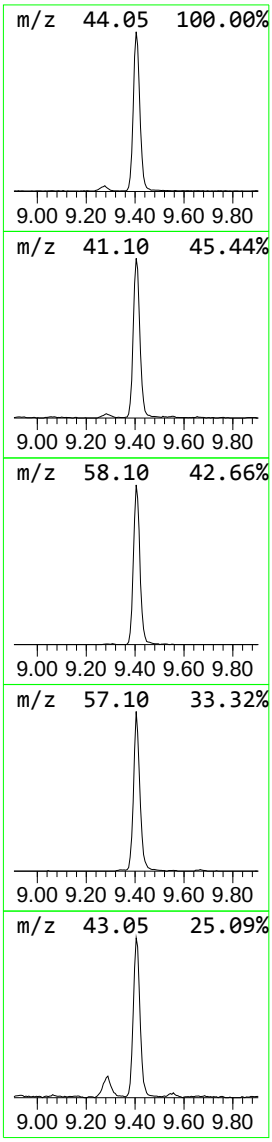
Peak Number 6 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.404	13.02 ug/L	336415	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	91
2	Pentanal	86	C5H10O	000110-62-3	90
3	Pentanal	86	C5H10O	000110-62-3	78
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	74
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

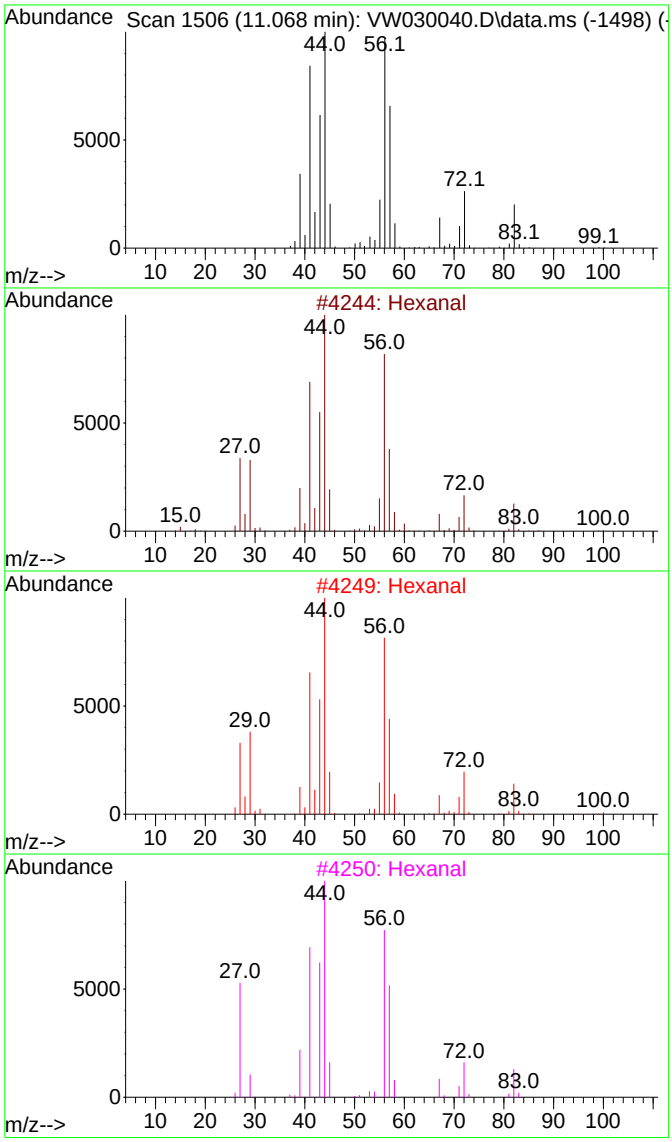
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

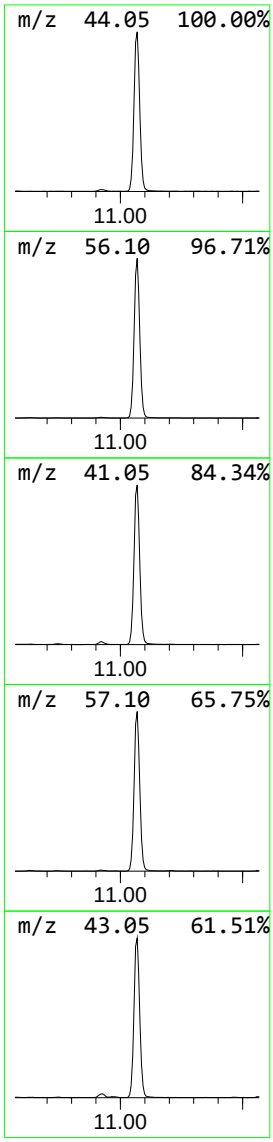
****

Peak Number 8 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.068	79.11 ug/L	1658010	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	94
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	86
4	Hexanal	100	C6H12O	000066-25-1	83
5	Hexanal	100	C6H12O	000066-25-1	47





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Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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

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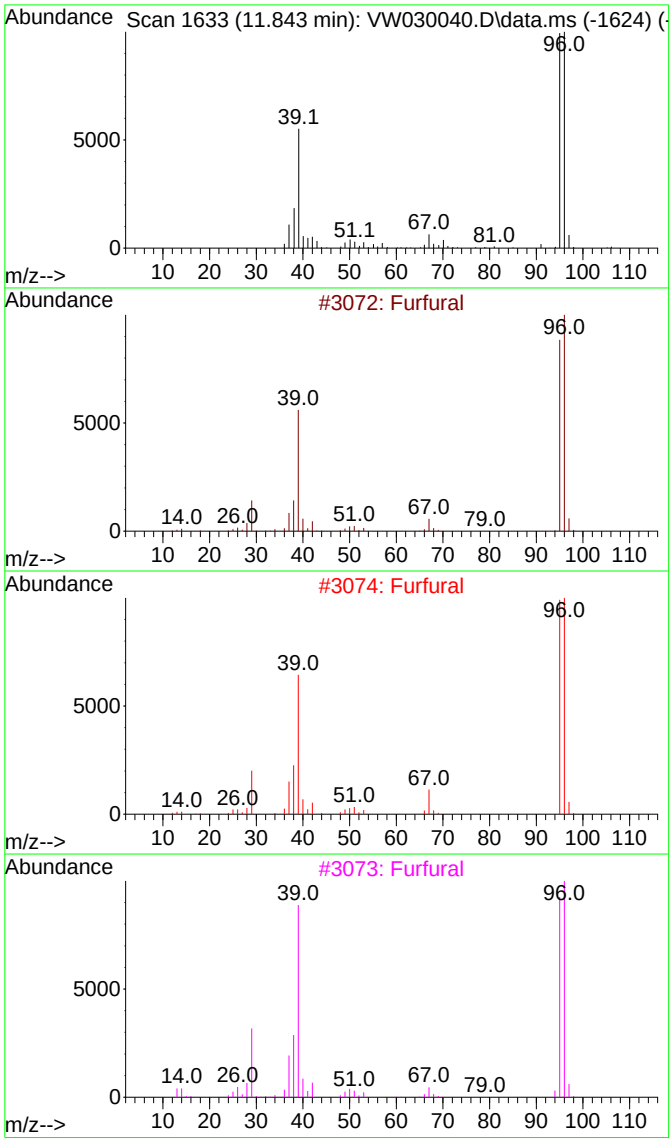
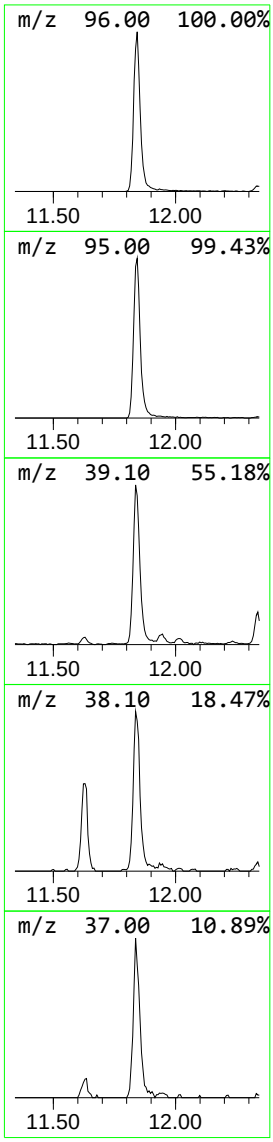
Peak Number 9 Furfural Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.843	9.51 ug/L	199363	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural	96	C5H4O2	000098-01-1	95
2	Furfural	96	C5H4O2	000098-01-1	95
3	Furfural	96	C5H4O2	000098-01-1	94
4	Furfural	96	C5H4O2	000098-01-1	91
5	3-Furaldehyde	96	C5H4O2	000498-60-2	91





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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

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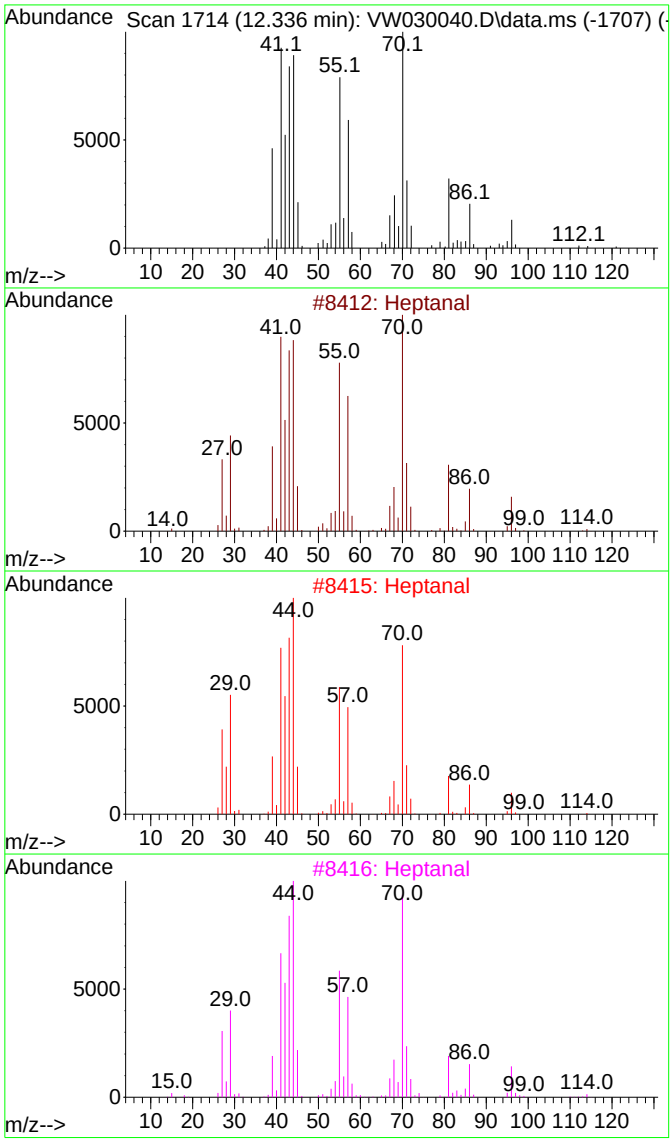
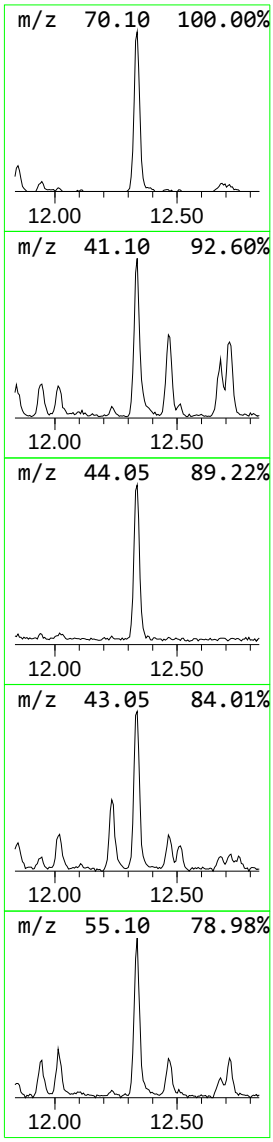
Peak Number 10 Heptanal Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.336	5.84 ug/L	122483	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	97
2	Heptanal	114	C7H14O	000111-71-7	90
3	Heptanal	114	C7H14O	000111-71-7	64
4	Heptanal	114	C7H14O	000111-71-7	64
5	Heptanal	114	C7H14O	000111-71-7	58





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Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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

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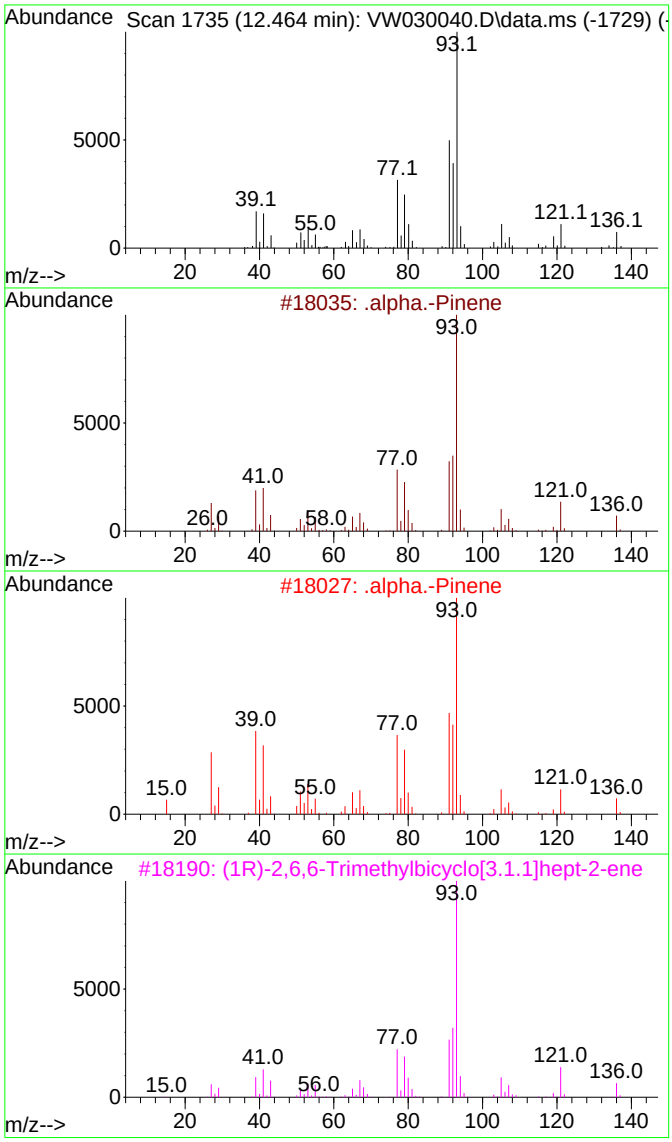
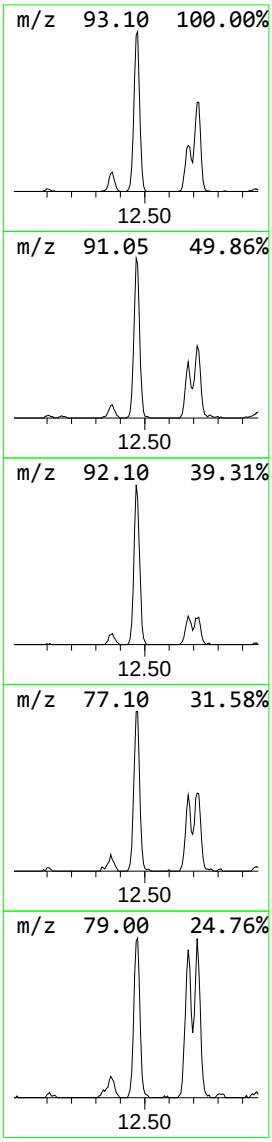
Peak Number 11 .alpha.-Pinene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.464	7.46 ug/L	156320	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	.alpha.-Pinene	136	C10H16	000080-56-8	91





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Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

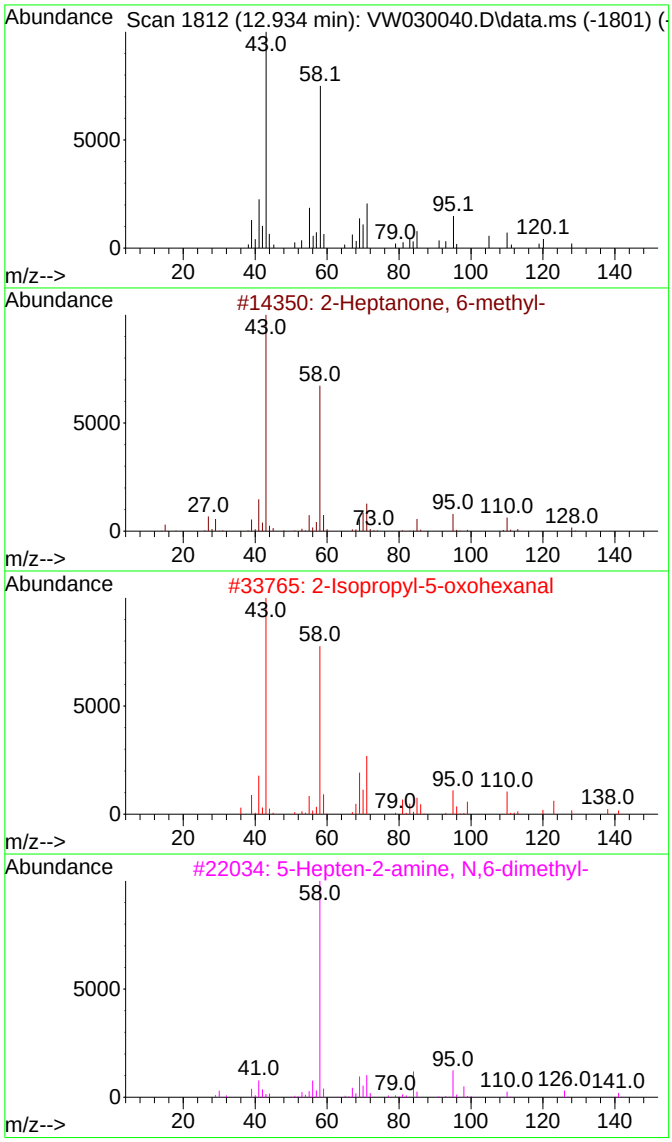
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

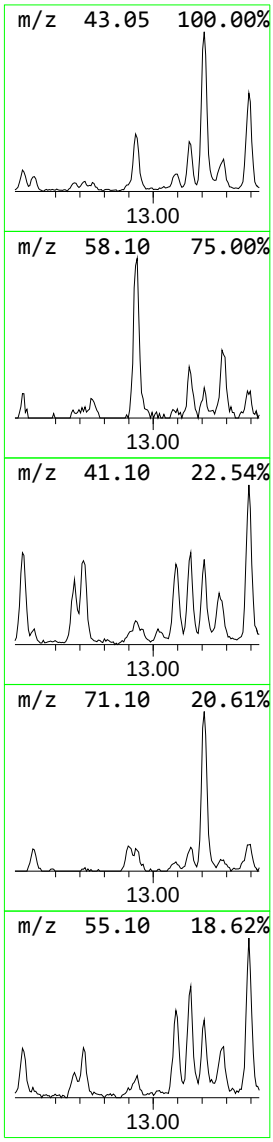
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 2-Heptanone, 6-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.934	3.66 ug/L	38220	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	80
2	2-Isopropyl-5-oxohexanal	156	C9H16O2	015303-46-5	64
3	5-Hepten-2-amine, N,6-dimethyl-	141	C9H19N	000503-01-5	59
4	Carbonic acid, hexyl prop-1-en-2...	186	C10H18O3	1000382-54-2	53
5	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	52





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

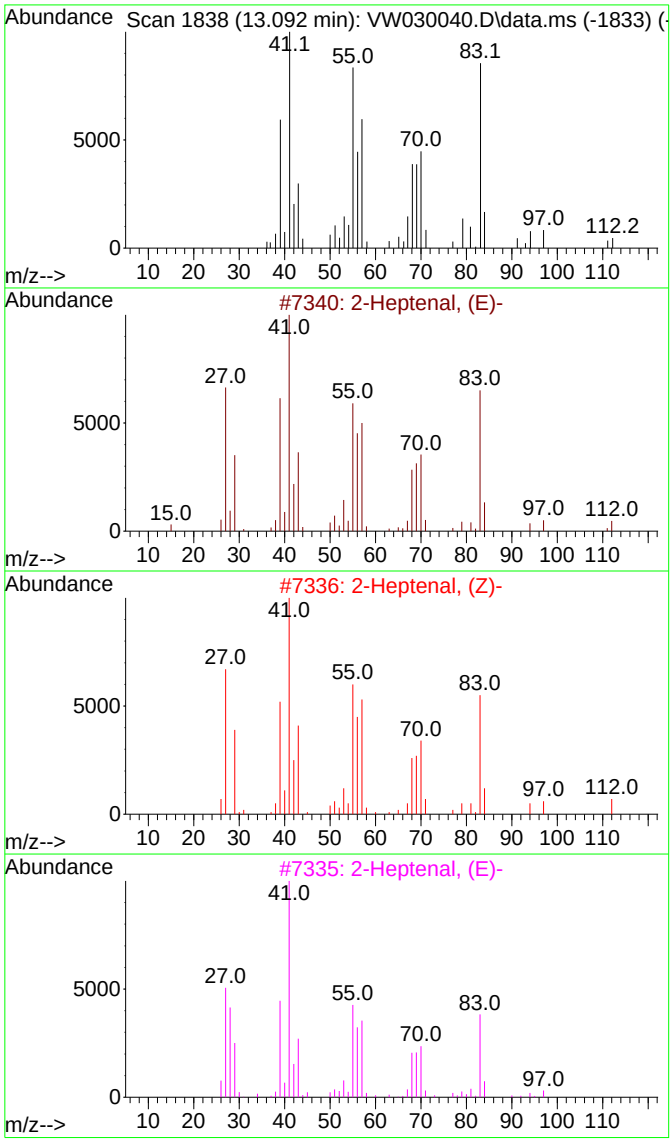
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

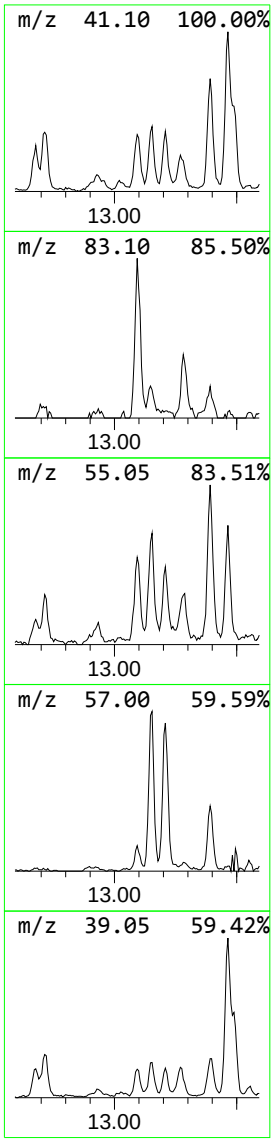
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 2-Heptenal, (E)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	3.68 ug/L	38478	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptenal, (E)-	112	C7H12O	018829-55-5	97
2	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	94
3	2-Heptenal, (E)-	112	C7H12O	018829-55-5	72
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	58
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	52





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Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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

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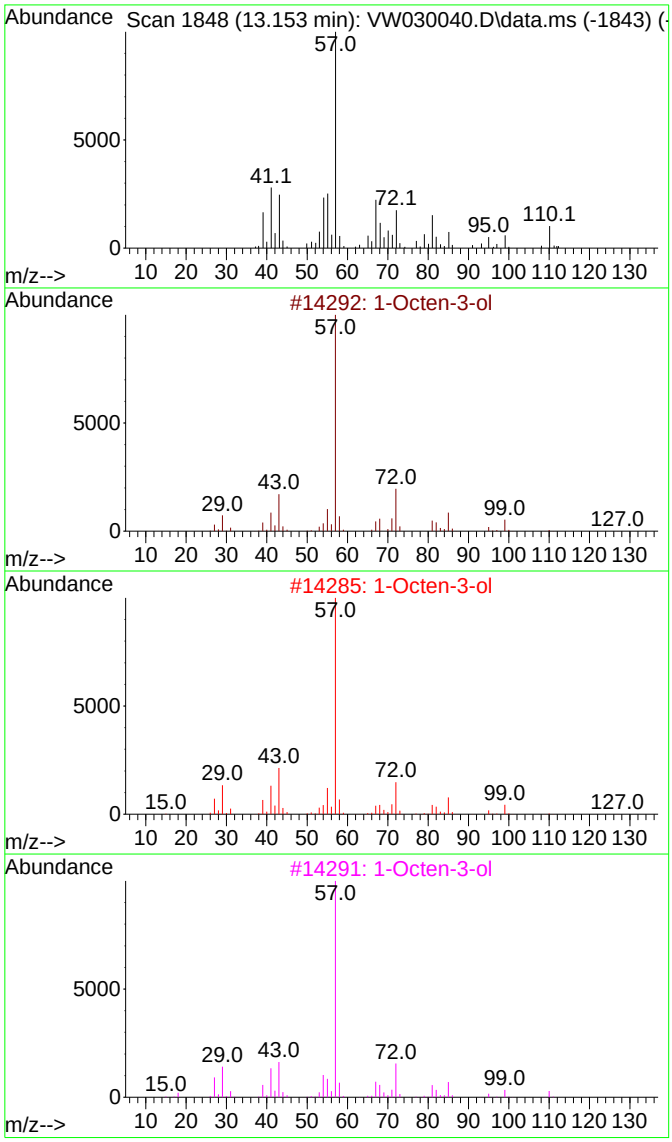
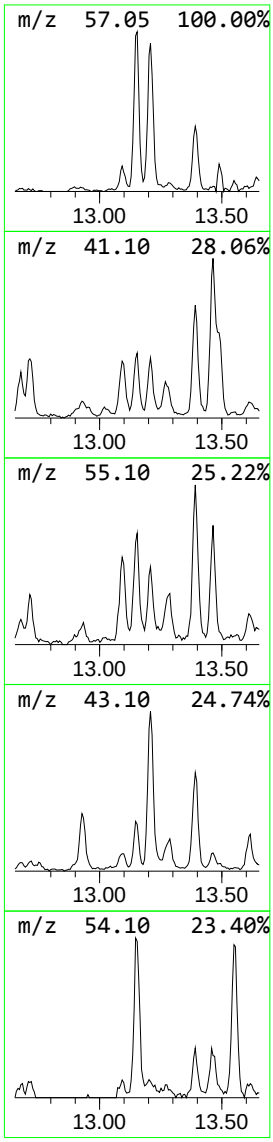
Peak Number 15 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.153	6.55 ug/L	68400	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octen-3-ol	128	C8H16O	003391-86-4	38
2	1-Octen-3-ol	128	C8H16O	003391-86-4	38
3	1-Octen-3-ol	128	C8H16O	003391-86-4	37
4	1-Octen-3-ol	128	C8H16O	003391-86-4	35
5	1-Octen-3-ol	128	C8H16O	003391-86-4	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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

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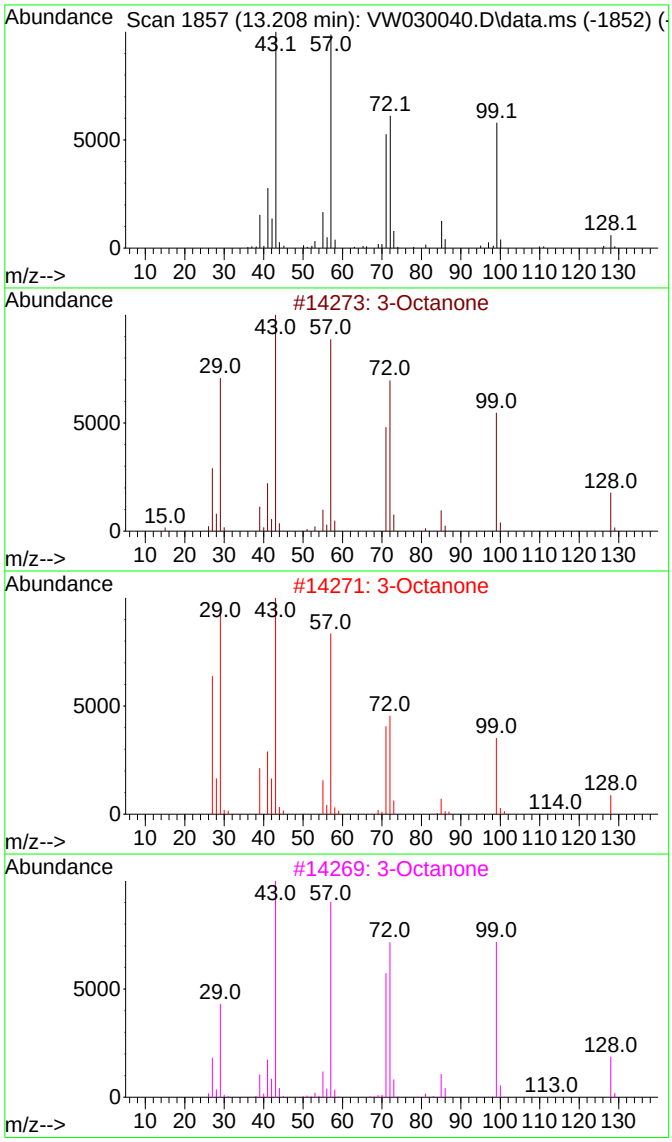
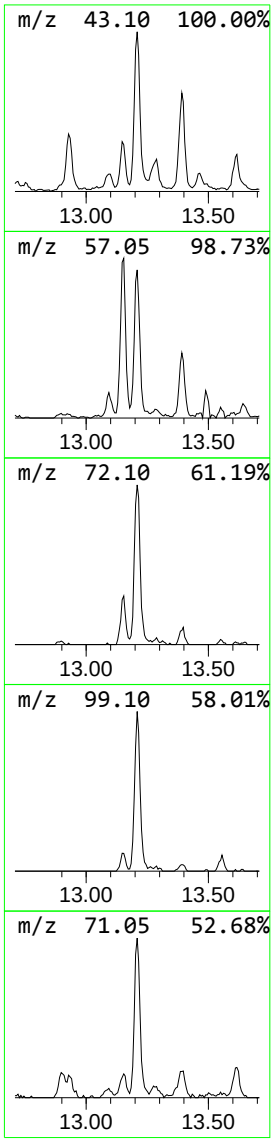
Peak Number 16 3-Octanone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.208	7.16 ug/L	74729	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone	128	C8H16O	000106-68-3	94
2	3-Octanone	128	C8H16O	000106-68-3	86
3	3-Octanone	128	C8H16O	000106-68-3	59
4	3-Octanone	128	C8H16O	000106-68-3	53
5	2,2-Dimethyl-3-octanone	156	C10H20O	005340-64-7	50





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

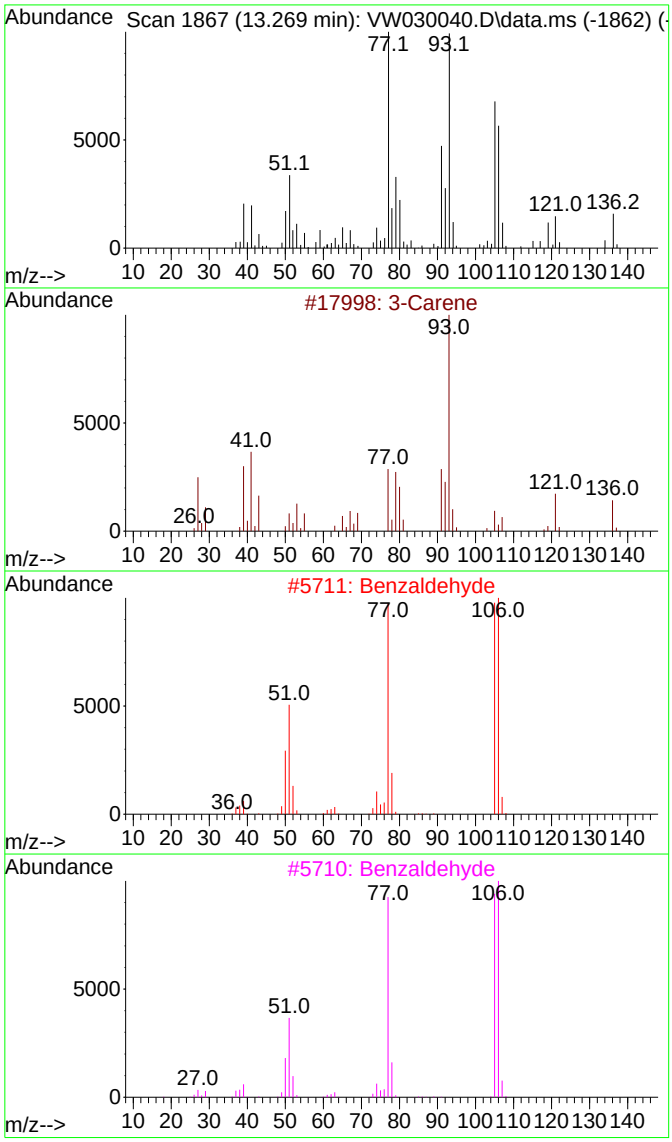
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

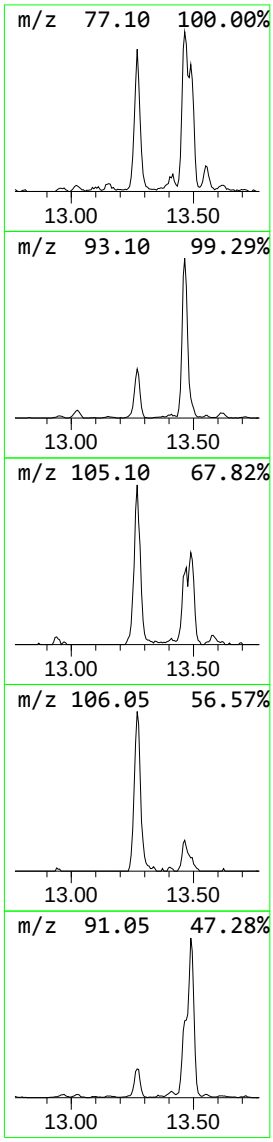
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 3-Carene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.269	11.63 ug/L	121494	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Carene	136	C10H16	013466-78-9	91
2	Benzaldehyde	106	C7H6O	000100-52-7	80
3	Benzaldehyde	106	C7H6O	000100-52-7	80
4	3-Carene	136	C10H16	013466-78-9	64
5	3-Carene	136	C10H16	013466-78-9	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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

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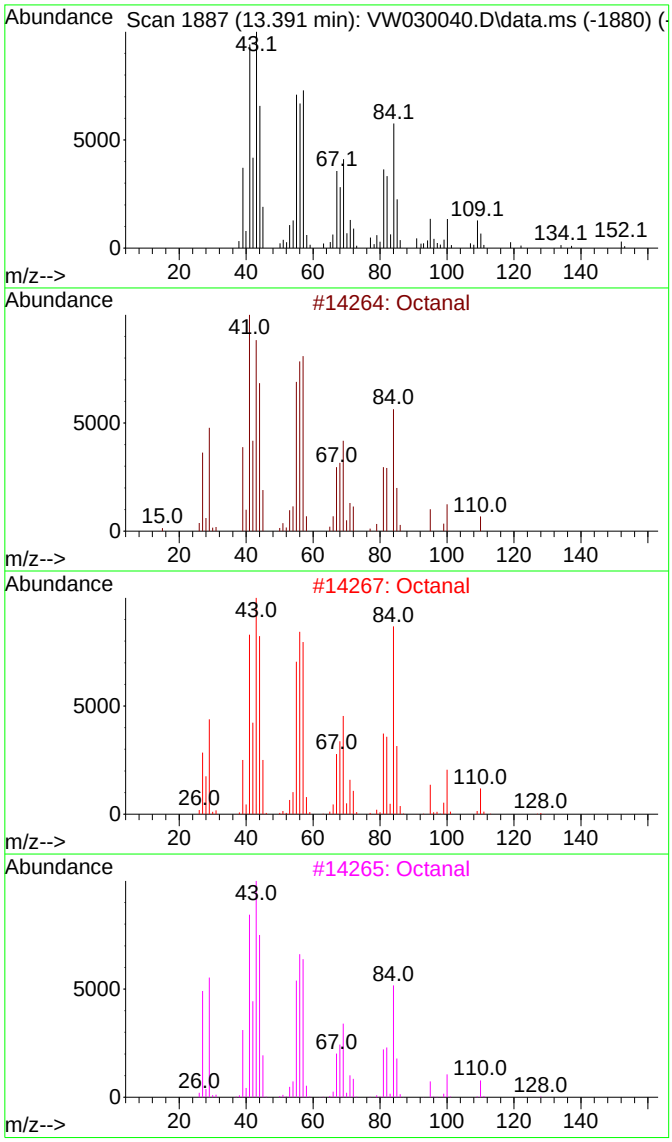
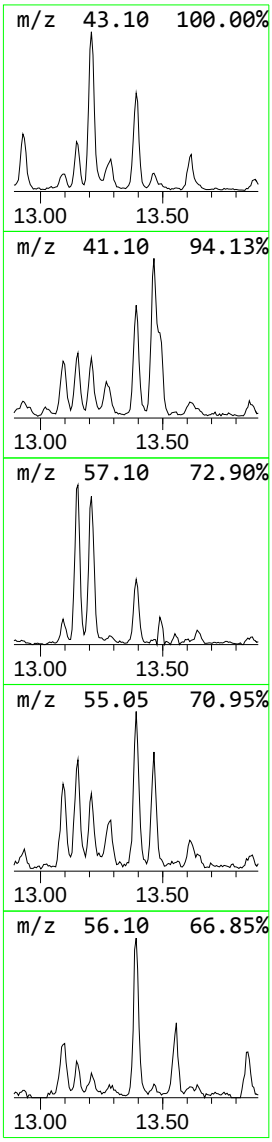
Peak Number 18 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.391	11.18 ug/L	116782	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	91
3	Octanal	128	C8H16O	000124-13-0	90
4	Octanal	128	C8H16O	000124-13-0	86
5	3-Amino-1,2,4-triazole-5-carboxy...	128	C3H4N4O2	003641-13-2	38





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

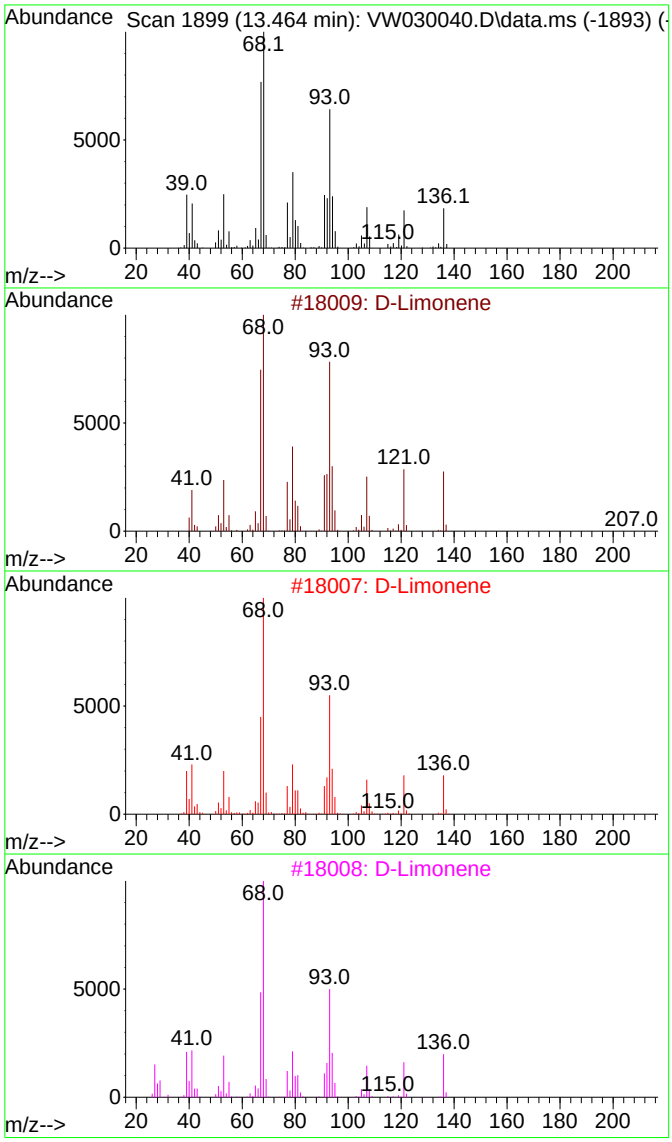
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

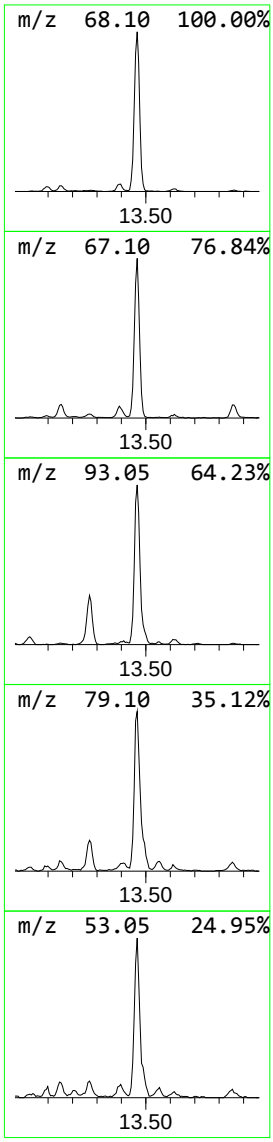
****

Peak Number 19 D-Limonene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.464	36.62 ug/L	382440	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	97
2	D-Limonene	136	C10H16	005989-27-5	95
3	D-Limonene	136	C10H16	005989-27-5	94
4	Limonene	136	C10H16	000138-86-3	94
5	Limonene	136	C10H16	000138-86-3	76





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

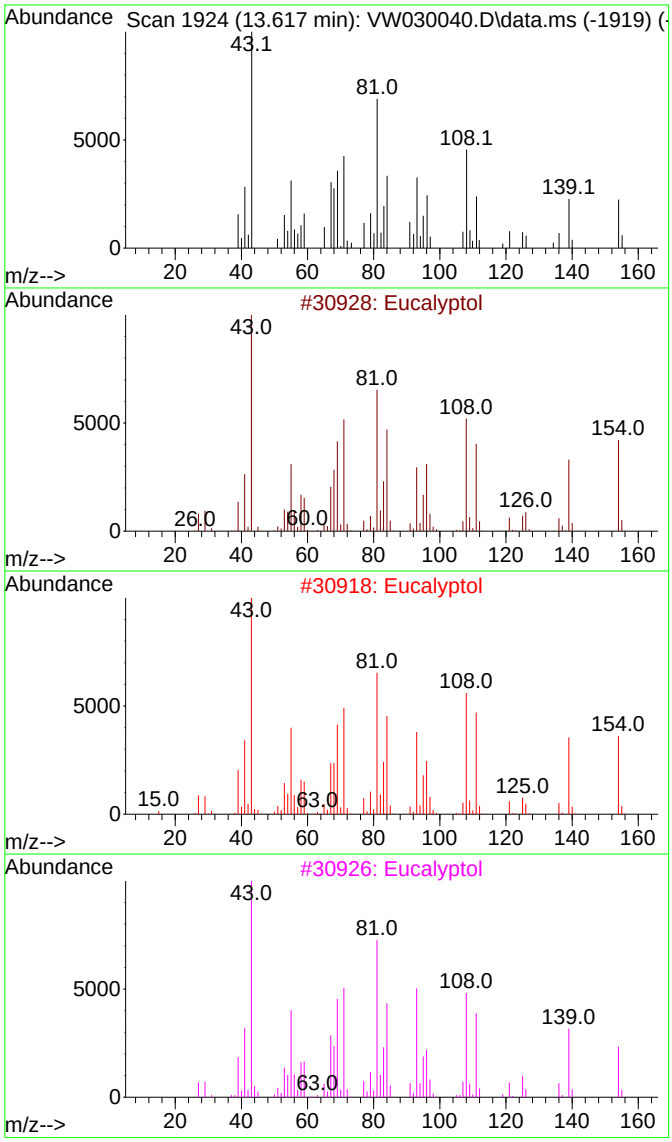
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

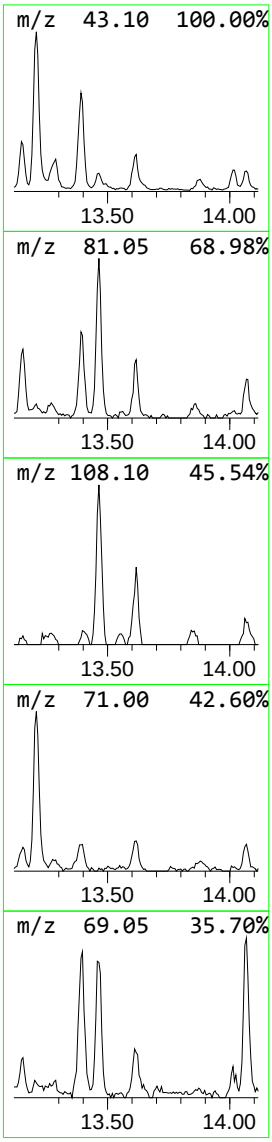
****

Peak Number 20 Eucalyptol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.617	4.32 ug/L	45108	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	97
2	Eucalyptol	154	C10H18O	000470-82-6	93
3	Eucalyptol	154	C10H18O	000470-82-6	87
4	Eucalyptol	154	C10H18O	000470-82-6	70
5	5-Hepten-2-one, 6-methyl-	126	C8H14O	000110-93-0	55





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

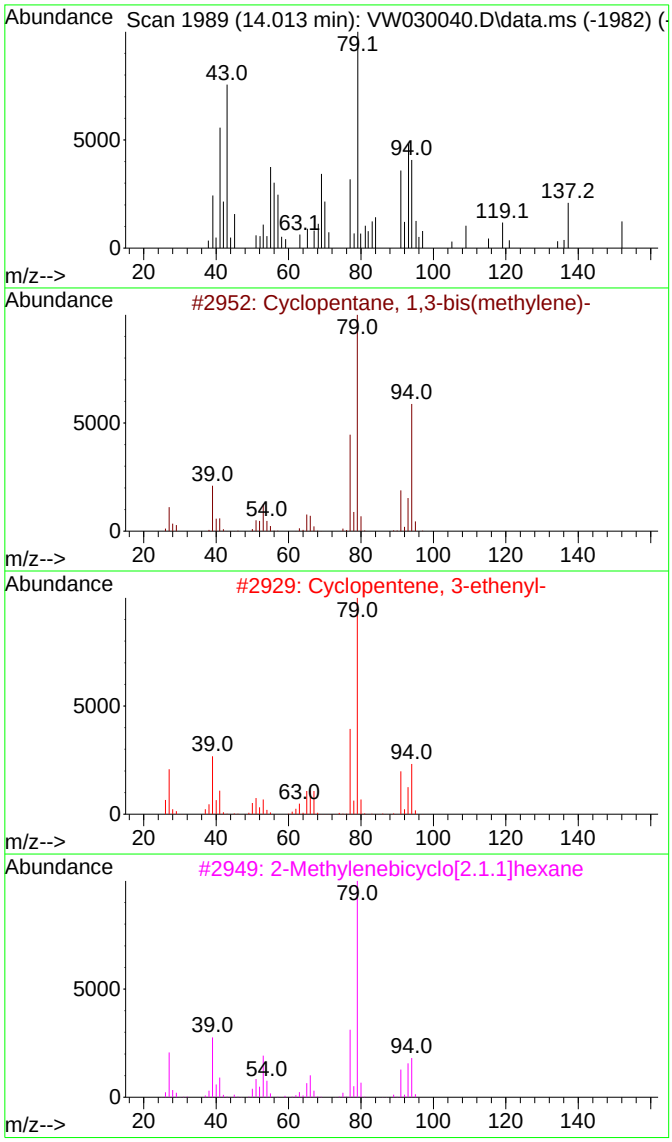
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

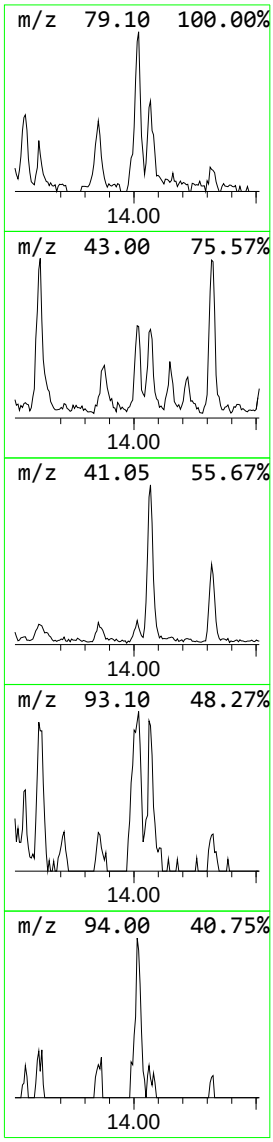
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Cyclopentane, 1,3-bis(methy... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.013	2.99 ug/L	31271	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-bis(methylene)-	94	C7H10	059219-48-6	55
2	Cyclopentene, 3-ethenyl-	94	C7H10	026727-45-7	49
3	2-Methylenebicyclo[2.1.1]hexane	94	C7H10	005164-65-8	49
4	1,3-Cyclopentadiene, 5,5-dimethyl-	94	C7H10	004125-18-2	47
5	Bicyclo[4.1.0]hept-2-ene	94	C7H10	002566-57-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

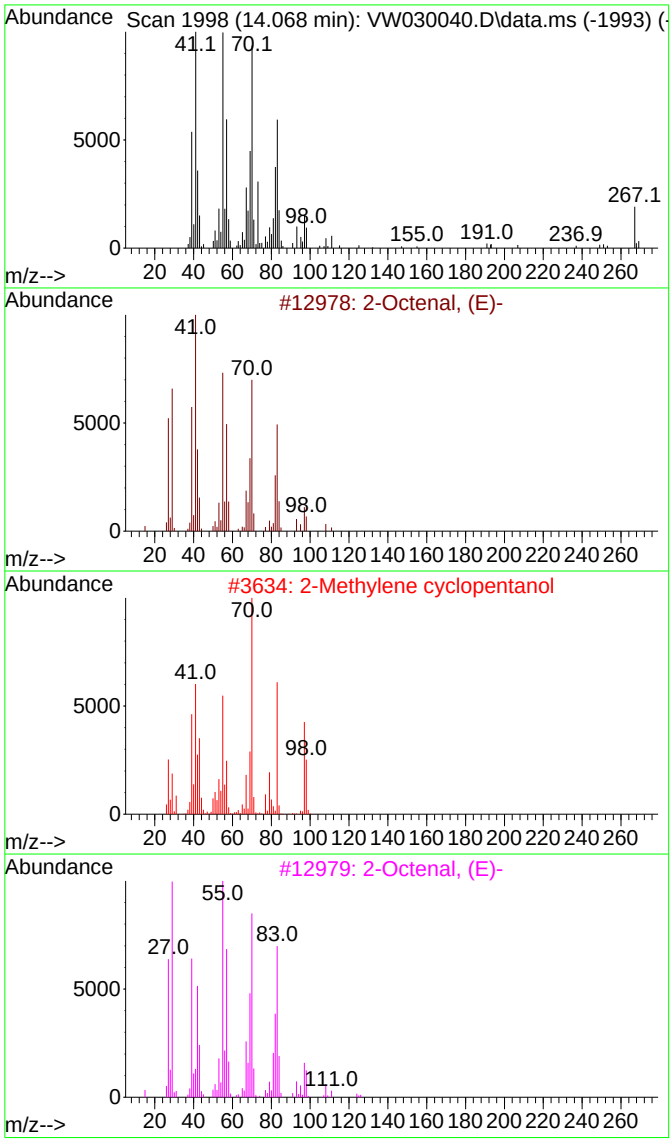
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

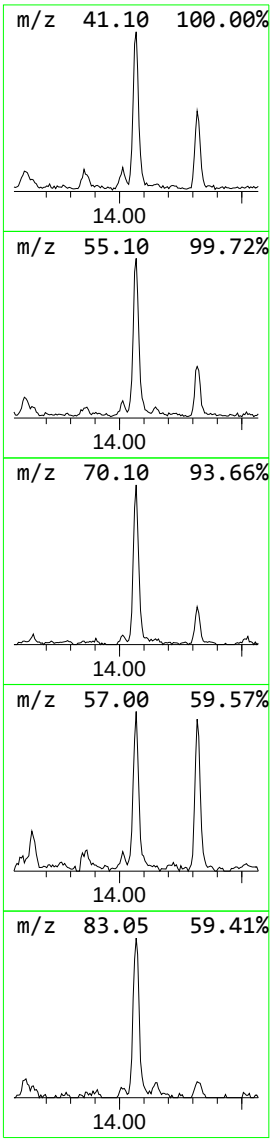
****

Peak Number 22 2-Octenal, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.068	11.20 ug/L	117014	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	72
2	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	52
3	2-Octenal, (E)-	126	C8H14O	002548-87-0	49
4	2-Octenal, (E)-	126	C8H14O	002548-87-0	49
5	2,7-Dimethyl-2,7-octadien-1-amine	153	C10H19N	077984-58-8	38





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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

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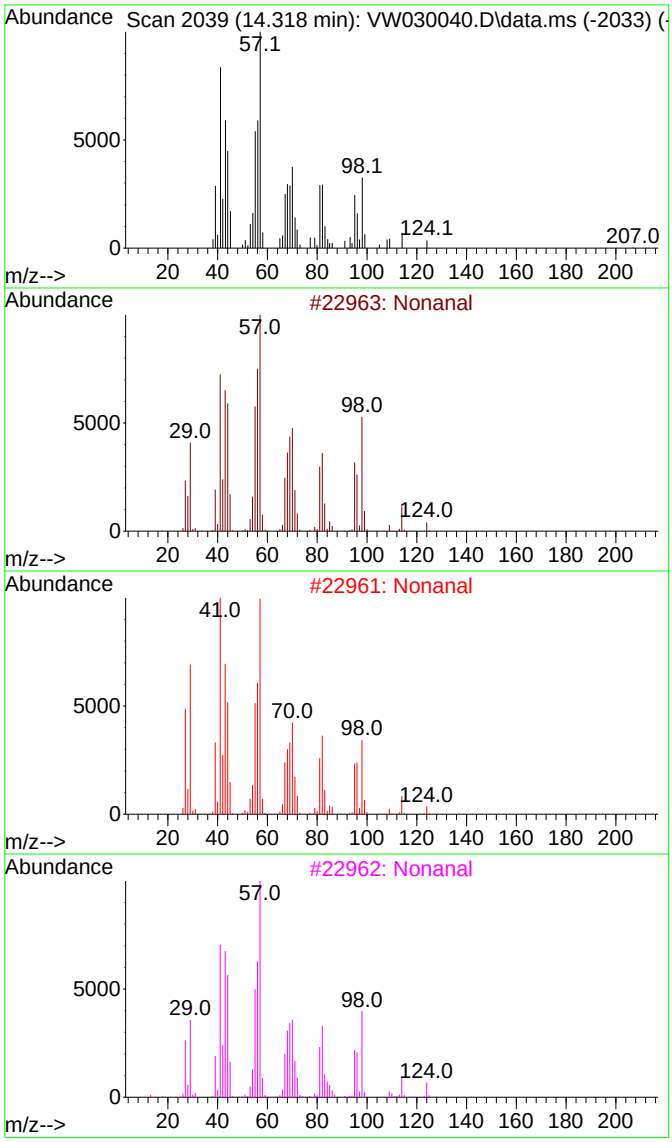
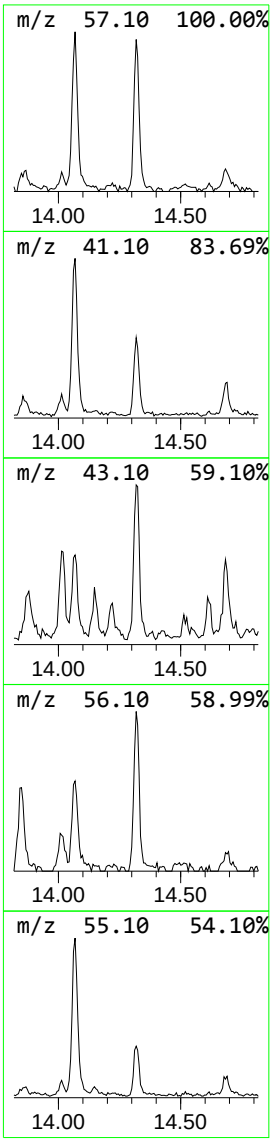
Peak Number 23 Nonanal Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.318	5.26 ug/L	54975	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	90
2	Nonanal	142	C9H18O	000124-19-6	87
3	Nonanal	142	C9H18O	000124-19-6	86
4	Nonanal	142	C9H18O	000124-19-6	80
5	2-Heptene	98	C7H14	000592-77-8	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

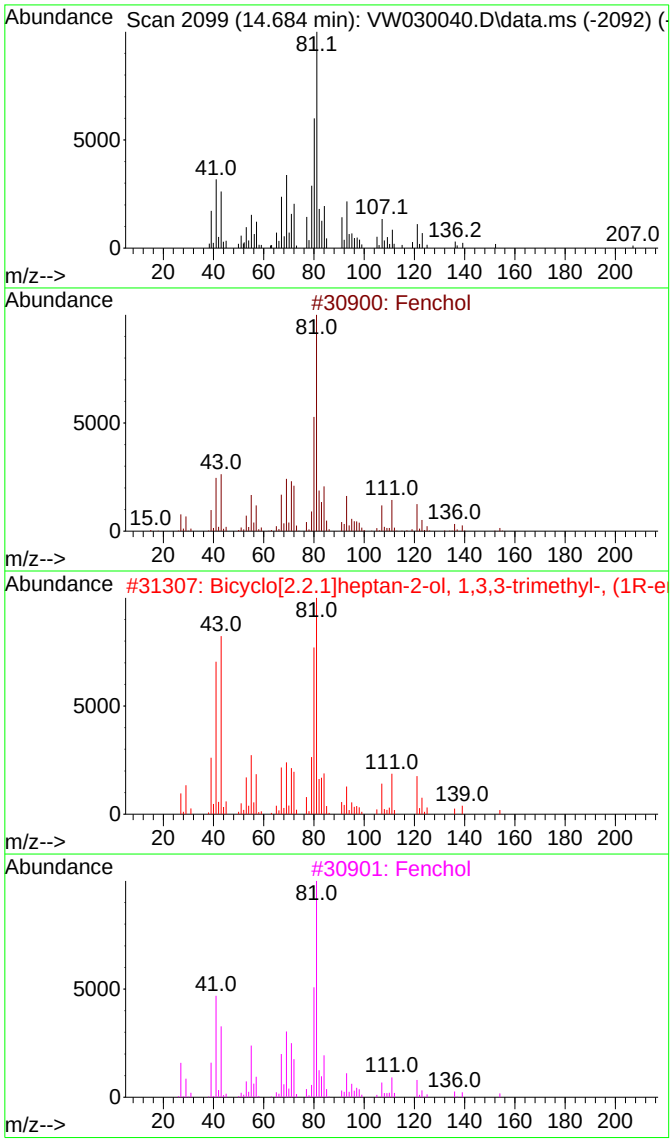
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

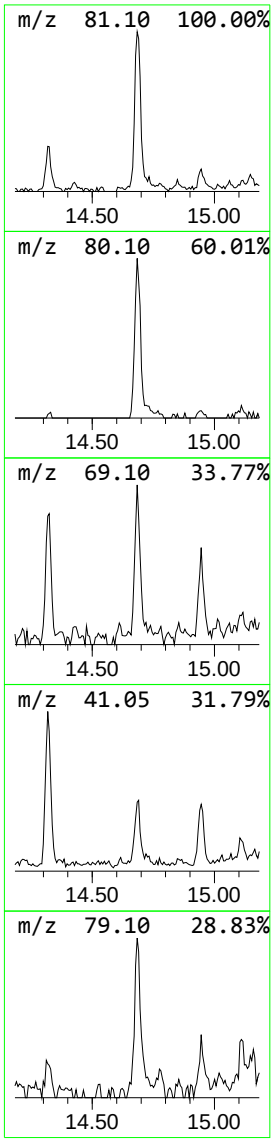
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Fenchol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	5.15 ug/L	53762	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchol	154	C10H18O	001632-73-1	72
2	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	002217-02-9	72
3	Fenchol	154	C10H18O	001632-73-1	72
4	Fenchol	154	C10H18O	001632-73-1	72
5	Fenchol	154	C10H18O	001632-73-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

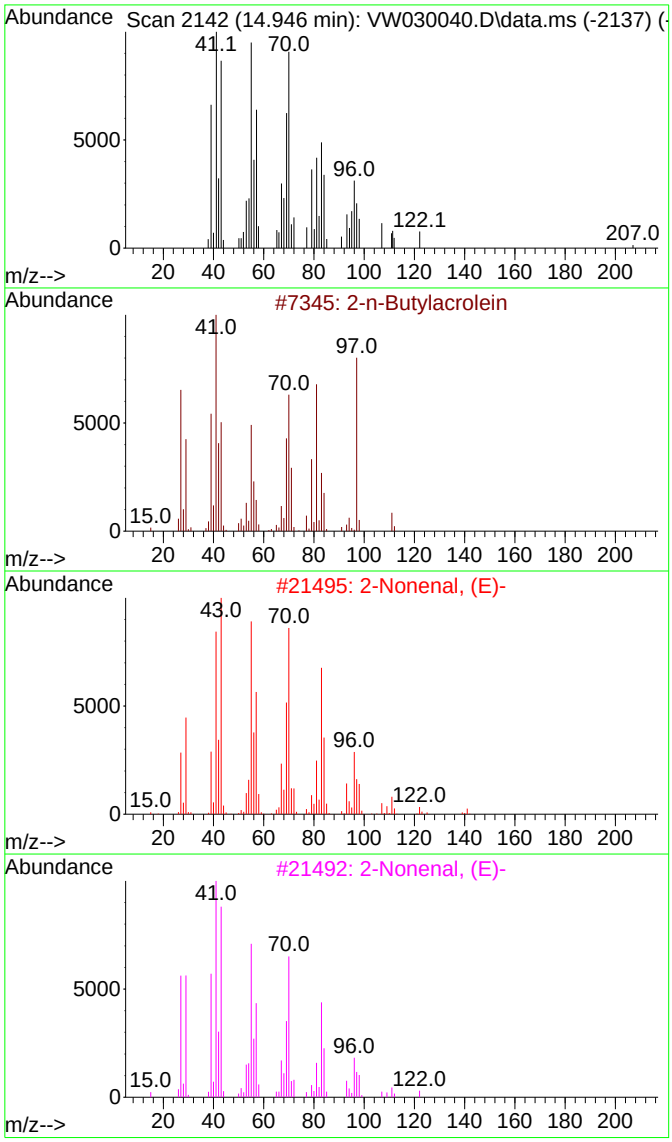
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

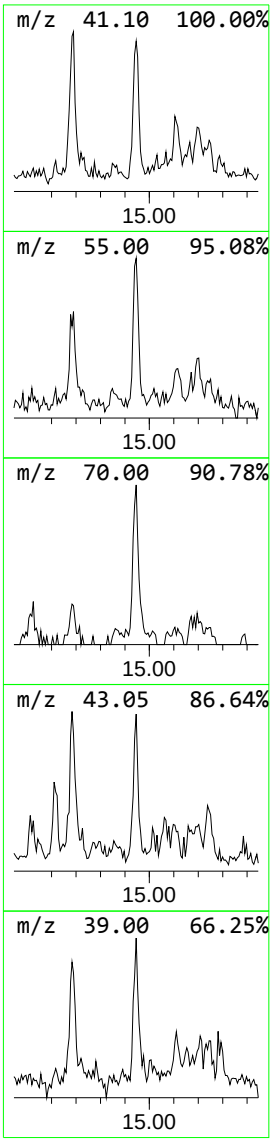
****

Peak Number 25 2-n-Butylacrolein Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.946	2.20 ug/L	22971	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-n-Butylacrolein	112	C7H12O	001070-66-2	64
2	2-Nonenal, (E)-	140	C9H16O	018829-56-6	64
3	2-Nonenal, (E)-	140	C9H16O	018829-56-6	59
4	2-Decenal, (Z)-	154	C10H18O	002497-25-8	59
5	cis-2,4-Dimethylthiane, S,S-dioxide	162	C7H14O2S	1000215-67-5	50





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

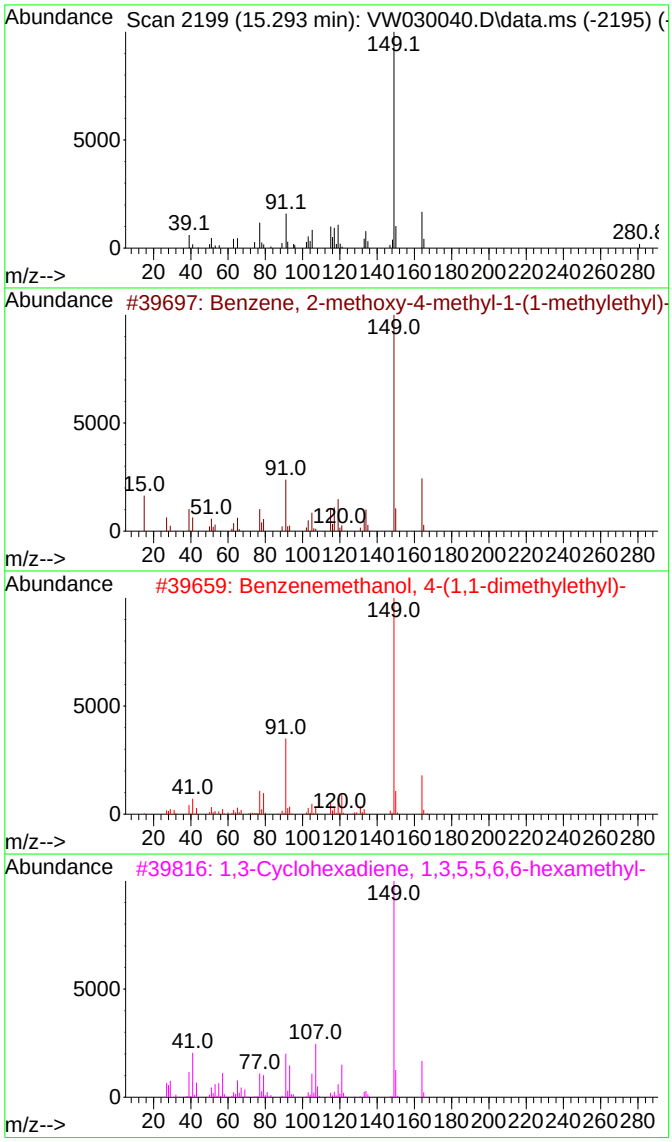
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

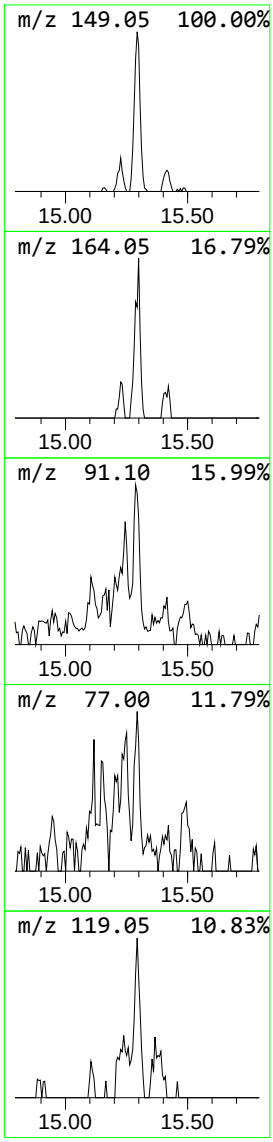
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 2-methoxy-4-methyl... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.293	1.86 ug/L	19441	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-methoxy-4-methyl-1-(1...	164	C11H16O	001076-56-8	94
2	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	72
3	1,3-Cyclohexadiene, 1,3,5,5,6,6-...	164	C12H20	1000150-39-4	64
4	Benzene, 2-methoxy-1-methyl-4-(1...	164	C11H16O	006379-73-3	64
5	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

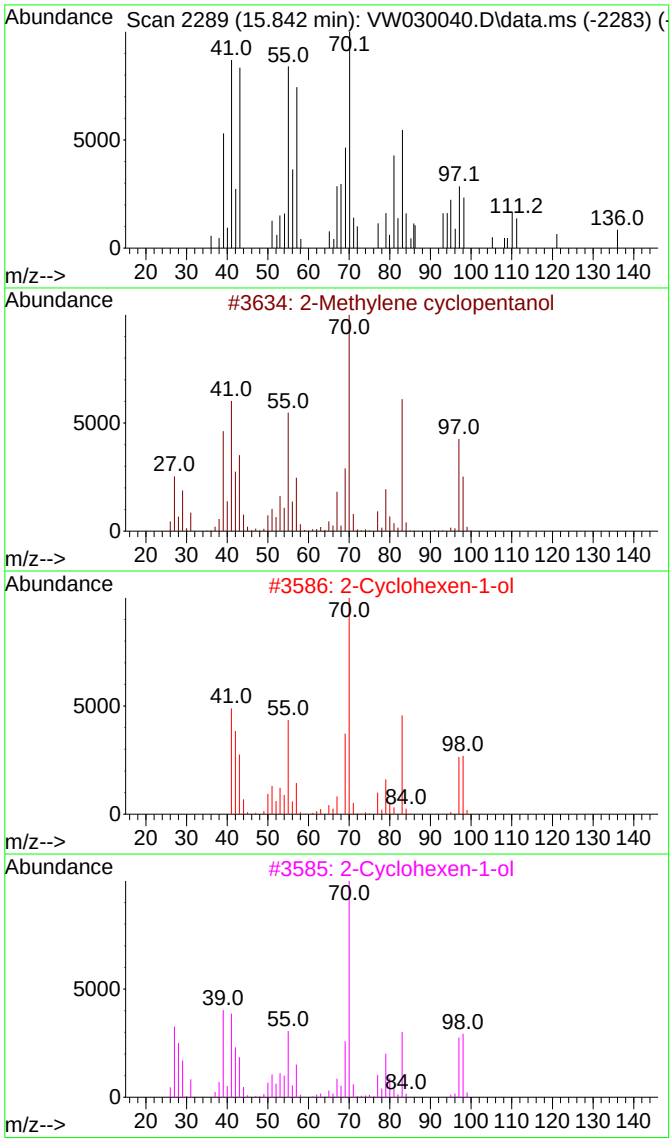
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

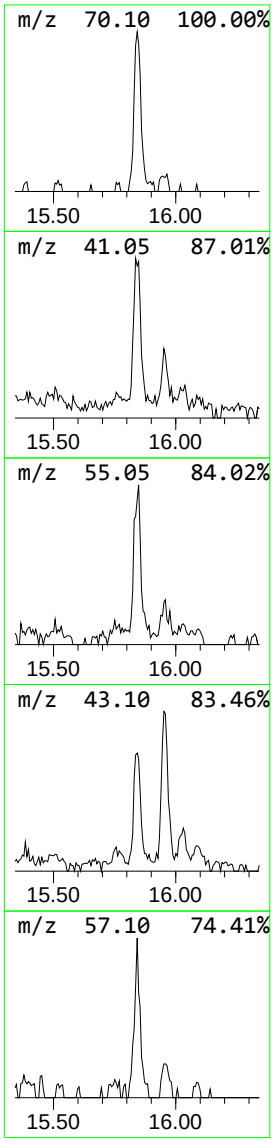
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 2-Methylene cyclopentanol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.842	3.15 ug/L	32866	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	64
2	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	58
3	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	46
4	2-Decenal, (E)-	154	C10H18O	003913-81-3	43
5	Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	35





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Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

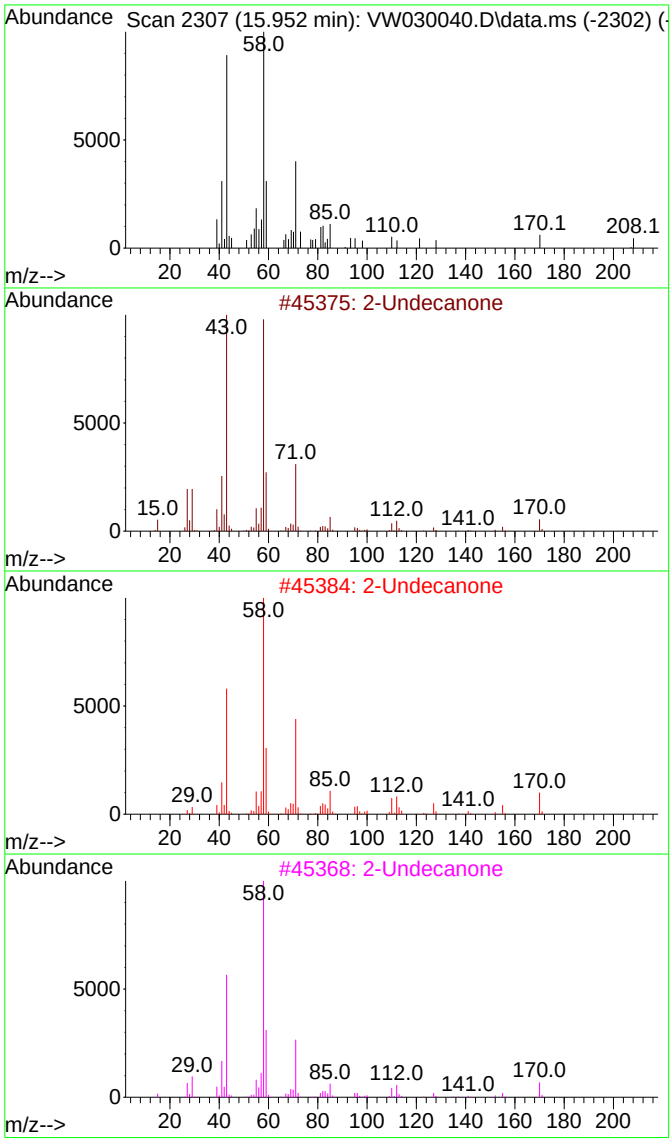
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

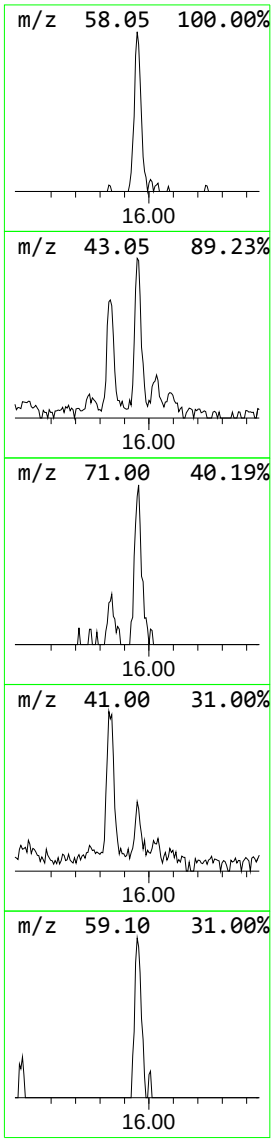
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 2-Undecanone Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.952	1.60 ug/L	16754	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecanone	170	C11H22O	000112-12-9	80
2	2-Undecanone	170	C11H22O	000112-12-9	78
3	2-Undecanone	170	C11H22O	000112-12-9	72
4	2-Tridecanone	198	C13H26O	000593-08-8	72
5	2-Undecanone	170	C11H22O	000112-12-9	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082724\
Data File : VW030040.D
Acq On : 27 Aug 2024 13:33
Operator : SY/MD
Sample : P3675-17
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXZ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	2.509	2.5	ug/L	64504	1	8.843	645811	25.0
(DEL) Alkane: S...	3.387	4.7	ug/L	120324	1	8.843	645811	25.0
Butanal	6.898	2.6	ug/L	67912	1	8.843	645811	25.0
Butanal, 3-methyl-	8.551	1.4	ug/L	35728	1	8.843	645811	25.0
2-Butanone, 3-m...	8.703	4.9	ug/L	127281	1	8.843	645811	25.0
Pentanal	9.404	13.0	ug/L	336415	1	8.843	645811	25.0
Hexanal	11.068	79.1	ug/L	1658010	2	11.629	523936	25.0
Furfural	11.843	9.5	ug/L	199363	2	11.629	523936	25.0
Heptanal	12.336	5.8	ug/L	122483	2	11.629	523936	25.0
.alpha.-Pinene	12.464	7.5	ug/L	156320	2	11.629	523936	25.0
2-Heptanone, 6-...	12.934	3.7	ug/L	38220	3	13.556	261084	25.0
2-Heptenal, (E)-	13.092	3.7	ug/L	38478	3	13.556	261084	25.0
unknown-02	13.153	6.5	ug/L	68400	3	13.556	261084	25.0
3-Octanone	13.208	7.2	ug/L	74729	3	13.556	261084	25.0
3-Carene	13.269	11.6	ug/L	121494	3	13.556	261084	25.0
Octanal	13.391	11.2	ug/L	116782	3	13.556	261084	25.0
D-Limonene	13.464	36.6	ug/L	382440	3	13.556	261084	25.0
Eucalyptol	13.617	4.3	ug/L	45108	3	13.556	261084	25.0
Cyclopentane, 1...	14.013	3.0	ug/L	31271	3	13.556	261084	25.0
2-Octenal, (E)-	14.068	11.2	ug/L	117014	3	13.556	261084	25.0
Nonanal	14.318	5.3	ug/L	54975	3	13.556	261084	25.0
Fenchol	14.684	5.2	ug/L	53762	3	13.556	261084	25.0
2-n-Butylacrolein	14.946	2.2	ug/L	22971	3	13.556	261084	25.0
Benzene, 2-meth...	15.293	1.9	ug/L	19441	3	13.556	261084	25.0
2-Methylene cyc...	15.842	3.1	ug/L	32866	3	13.556	261084	25.0
2-Undecanone	15.952	1.6	ug/L	16754	3	13.556	261084	25.0