LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

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\SFAMWLM091624SMA.M
Title : SFAM01.0

Signal : TIC: VW030175.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	66	78	90	rBV2	82885	249516	0.19%	0.017%
2	3.997	334	346	358	rBV3	330513	1217526	0.94%	0.081%
3	4.119	358	366	401	rVV	391874	1182180	0.91%	0.078%
4	4.960	483	504	533	rBV2	129427	713556	0.55%	0.047%
5	5.442	568	583	604	rBV	97957	361589	0.28%	0.024%
6	5.783	625	639	654	rBV	1027599	3267306	2.52%	0.217%
7	5.941	654	665	681	rVV	225022	690991	0.53%	0.046%
8	6.892	808	821	832	rVV	6277338	18384397	14.19%	1.219%
9	6.984	832	836	846	rVV	239883	696679	0.54%	0.046%
10	7.648	936	945	952	rBV	196823	515242	0.40%	0.034%
11	7.874	972	982	984	rBV	171699	364318	0.28%	0.024%
12	7.923	984	990	1002	rVV3	540572	1733919	1.34%	0.115%
13	8.033	1002	1008	1020	rVB	308854	836501	0.65%	0.055%
14	8.154	1020	1028	1037	rBV	710580	1661660	1.28%	0.110%
15	8.270	1040	1047	1051	rBV2	478122	1070770	0.83%	0.071%
16	8.319	1052	1055	1065	rVB3	453030	922279	0.71%	0.061%
17	8.484	1065	1082	1094	rBV	915087	3559848	2.75%	0.236%
18	8.691	1108	1116	1126	rBV	1078541	2179381	1.68%	0.145%
19	8.843	1133	1141	1148	rBV	483897	981984	0.76%	0.065%
20	9.026	1163	1171	1175	rBV	245734	474020	0.37%	0.031%
21	9.093	1175	1182	1189	rVB	1714864	3240364	2.50%	0.215%
22	9.276	1204	1212	1215	rBV2	284649	623613	0.48%	0.041%
23	9.337	1215	1222	1228	rBV	1134214	2609049	2.01%	0.173%
24	9.514	1247	1251	1257	rVB	150290	275966	0.21%	0.018%
25	9.605	1257	1266	1280	rVB3	127495	421452	0.33%	0.028%
26	9.764	1283	1292	1303	rBV	706179	1816048	1.40%	0.120%
27	9.898	1303	1314	1319	rBV	1030482	2521785	1.95%	0.167%
28	9.959	1319	1324	1328	rBV	987500	1696323	1.31%	0.112%
29	10.093	1339	1346	1360	rVB	1371940	3200647	2.47%	0.212%
30	10.209	1360	1365	1368	rBV	163727	287045	0.22%	0.019%
31	10.252	1368	1372	1378	rVV	317012	662105	0.51%	0.044%
32	10.319	1378	1383	1387	rVV	1013029	1984236	1.53%	0.132%
33	10.386	1387	1394	1401	rVV	12745953	23675685	18.27%	1.570%
34	10.502	1406	1413	1421	rVB	3143669	5722315	4.42%	0.379%
35	10.666	1435	1440	1449	rVB	527627	1158250	0.89%	0.077%
36	10.770	1449	1457	1465	rBV4	397727	1321772	1.02%	0.088%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
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Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
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Instrument :
MSVOA_W
ClientSampleId :
DDCL2

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\SFAMWLM091624SMA.M
Title : SFAM01.0

37	10.861	1465	1472	1478	rVB2	3295488	6001281	4.63%	0.398%
38	10.934	1478	1484	1495	rBV	2966982	5610287	4.33%	0.372%
39	11.038	1495	1501	1509	rBV	1036133	2688743	2.07%	0.178%
40	11.111	1509	1513	1518	rVV3	568378	1087894	0.84%	0.072%
41	11.178	1518	1524	1528	rVV	1985671	3529720	2.72%	0.234%
42	11.233	1528	1533	1539	rVV	2233392	4639579	3.58%	0.308%
43	11.288	1539	1542	1545	rVV	376490	574519	0.44%	0.038%
44	11.343	1545	1551	1555	rVV	2697980	5208950	4.02%	0.345%
45	11.410	1555	1562	1573	rVB3	9881362	23886463	18.43%	1.584%
46	11.514	1573	1579	1590	rBV	8942796	16512252	12.74%	1.095%
47	11.727	1607	1614	1619	rBV	7248527	12894127	9.95%	0.855%
48	11.843	1619	1633	1642	rVV4	36730859	97368973	75.13%	6.456%
49	11.916	1642	1645	1652	rVB2	4280504	7602694	5.87%	0.504%
50	11.983	1652	1656	1662	rBV3	530830	1186441	0.92%	0.079%
51	12.062	1662	1669	1675	rBV3	3369372	6908966	5.33%	0.458%
52	12.166	1675	1686	1694	rBV2	23855575	63402918	48.92%	4.204%
53	12.257	1694	1701	1706	rVB	13394107	23967397	18.49%	1.589%
54	12.373	1706	1720	1727	rBV5	13330956	47893330	36.96%	3.176%
55	12.465	1730	1735	1738	rBV2	5254962	8930875	6.89%	0.592%
56	12.550	1739	1749	1750	rVV5	12338855	31957685	24.66%	2.119%
57	12.574	1751	1753	1758	rVB	17135043	22590457	17.43%	1.498%
58	12.660	1758	1767	1772	rBV	15383955	26618811	20.54%	1.765%
59	12.709	1772	1775	1780	rVB4	2415876	3468970	2.68%	0.230%
60	12.800	1784	1790	1795	rVB2	12552270	26339370	20.32%	1.746%
61	12.867	1795	1801	1805	rBV2	33380853	71342842	55.05%	4.730%
62	12.946	1809	1814	1820	rVB2	53511726	112078683	86.49%	7.431%
63	13.001	1820	1823	1825	rVB2	3153208	3515619	2.71%	0.233%
64	13.038	1825	1829	1833	rVB	13964369	19717205	15.21%	1.307%
65	13.111	1833	1841	1847	rBV3	29152745	73308017	56.57%	4.861%
66	13.172	1847	1851	1856	rVB2	16693570	26604619	20.53%	1.764%
67	13.263	1856	1866	1876	rVB4	41793667	129592871	100.00%	8.593%
68	13.349	1876	1880	1883	rBV	7024552	12208325	9.42%	0.809%
69	13.446	1890	1896	1900	rBV3	19165560	40125767	30.96%	2.661%
70	13.489	1900	1903	1906	rVB2	8280272	12619655	9.74%	0.837%
71	13.556	1911	1914	1916	rVV	14640414	20003053	15.44%	1.326%
72	13.592	1916	1920	1923	rVV	22977372	38638865	29.82%	2.562%
73	13.647	1923	1929	1934	rVB2	16887268	40509435	31.26%	2.686%
74	13.721	1934	1941	1943	rBV4	9337156	17288814	13.34%	1.146%
75	13.751	1943	1946	1949	rVV2	14231657	20676843	15.96%	1.371%
76	13.794	1949	1953	1962	rVB3	18970570	38036824	29.35%	2.522%

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

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\SFAMWLM091624SMA.M
Title : SFAM01.0

77	13.879	1962	1967	1975	rBV2	35643138	75640941	58.37%	5.015%
78	13.952	1975	1979	1983	rVV	12357695	19460768	15.02%	1.290%
79	14.013	1984	1989	1992	rVV2	14764325	27186557	20.98%	1.803%
80	14.044	1992	1994	1998	rVV2	13006521	17258593	13.32%	1.144%
81	14.098	1998	2003	2011	rVB2	15725831	33333080	25.72%	2.210%
82	14.202	2014	2020	2025	rBV3	8974714	15974735	12.33%	1.059%
83	14.263	2025	2030	2036	rVB8	3702855	8496283	6.56%	0.563%
84	14.336	2037	2042	2046	rBV2	7334086	12995147	10.03%	0.862%
85	14.391	2046	2051	2054	rBV2	8823596	14895673	11.49%	0.988%
86	14.458	2059	2062	2065	rBV2	3367017	4326394	3.34%	0.287%
87	14.544	2071	2076	2082	rVB6	2342399	5760117	4.44%	0.382%
88	14.623	2082	2089	2095	rVB3	2019195	5401963	4.17%	0.358%
89	14.684	2095	2099	2100	rBV3	1582362	2152220	1.66%	0.143%
90	14.714	2100	2104	2109	rVV4	4810721	8366891	6.46%	0.555%
91	14.787	2109	2116	2124	rVB4	4401377	12698179	9.80%	0.842%
92	14.897	2131	2134	2138	rVB3	332805	419082	0.32%	0.028%
93	14.952	2138	2143	2148	rVB	2125004	3457115	2.67%	0.229%
94	15.025	2148	2155	2159	rBV5	1062006	2368334	1.83%	0.157%
95	15.123	2165	2171	2184	rVB5	3901246	10852753	8.37%	0.720%
96	15.354	2198	2209	2215	rBV	2492690	5448580	4.20%	0.361%
97	15.543	2237	2240	2244	rVB3	206026	275711	0.21%	0.018%
98	15.629	2249	2254	2263	rVB	720334	1457024	1.12%	0.097%
99	15.854	2288	2291	2302	rVB7	69302	202151	0.16%	0.013%
100	16.427	2379	2385	2397	rVB	143009	315147	0.24%	0.021%

Sum of corrected areas: 1508161894

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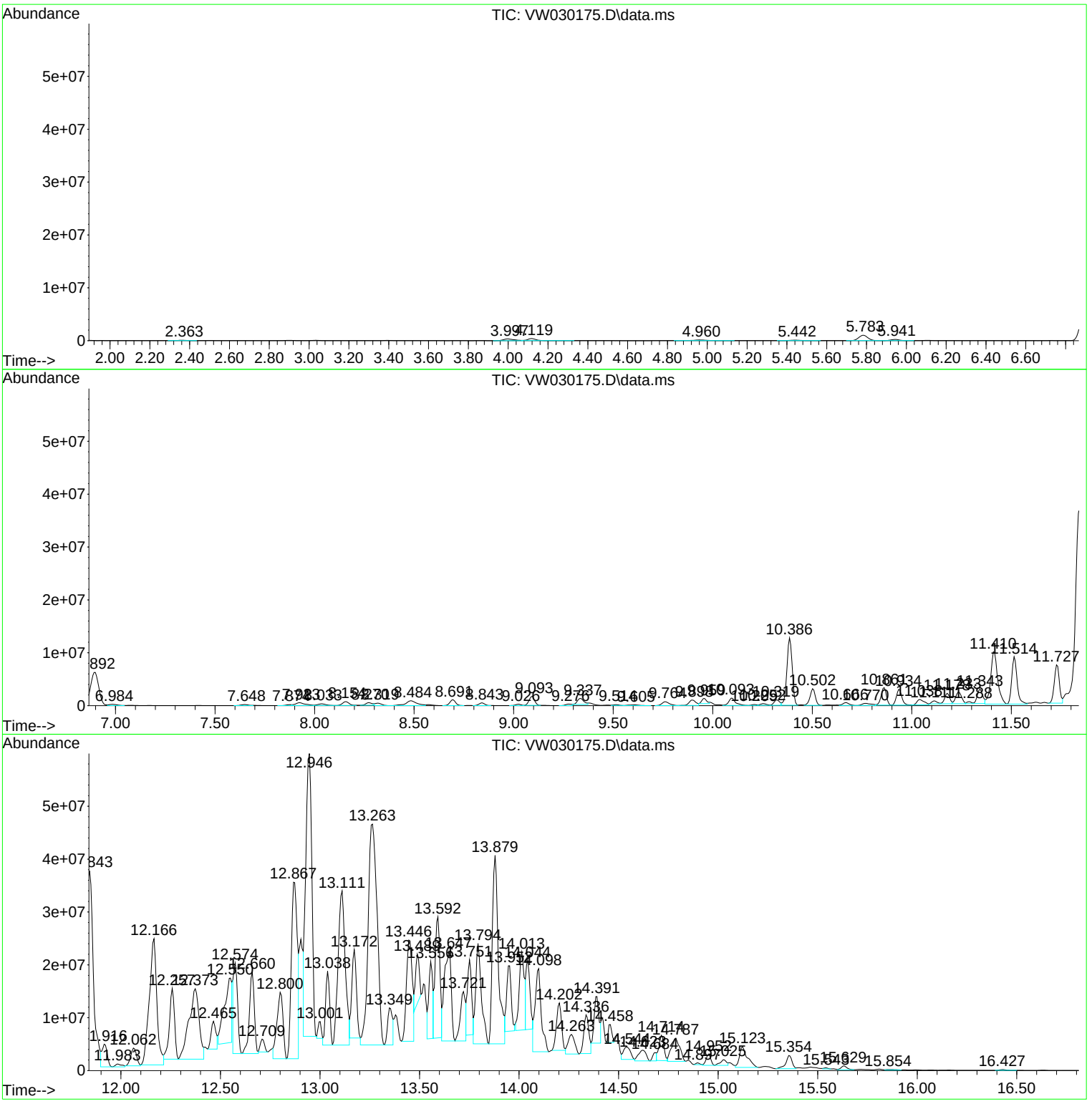
Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

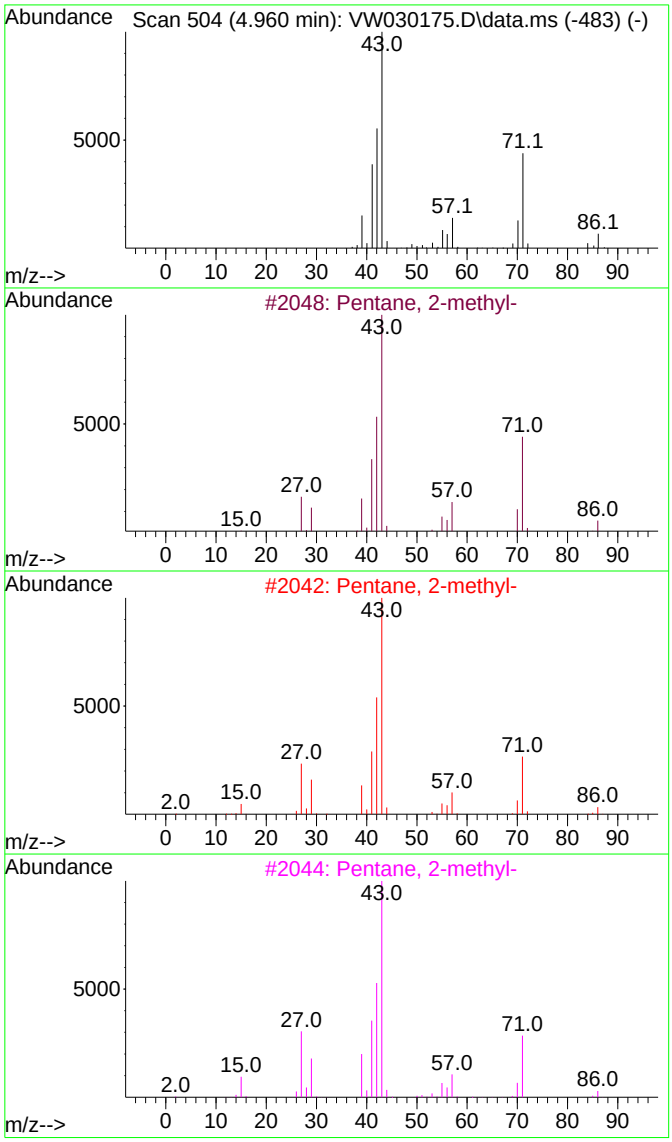
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

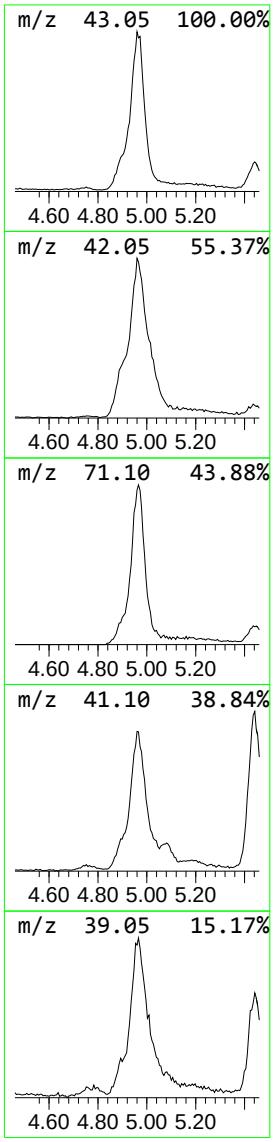
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.960	18.17 ug/L	713556	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
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Operator : SY/MD
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Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

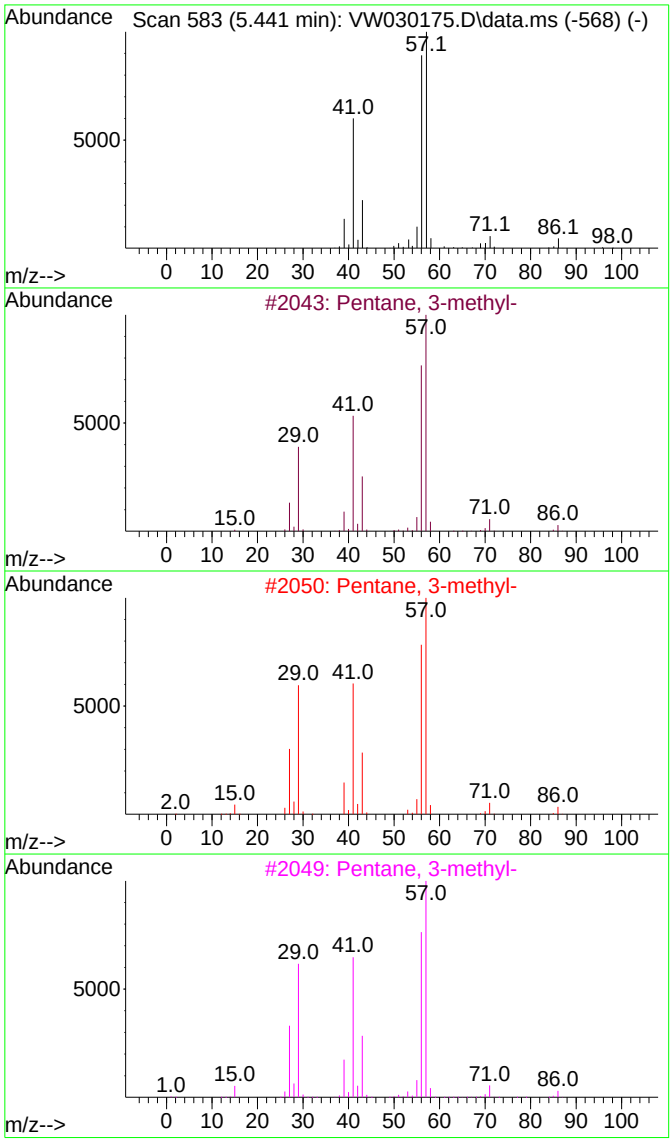
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

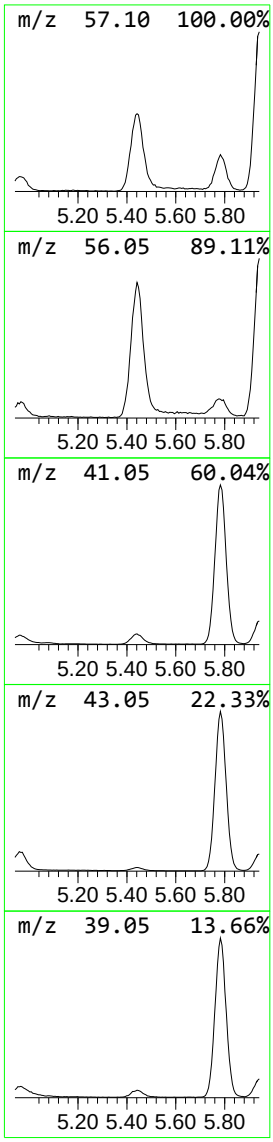
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.441	9.21 ug/L	361589	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	59





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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

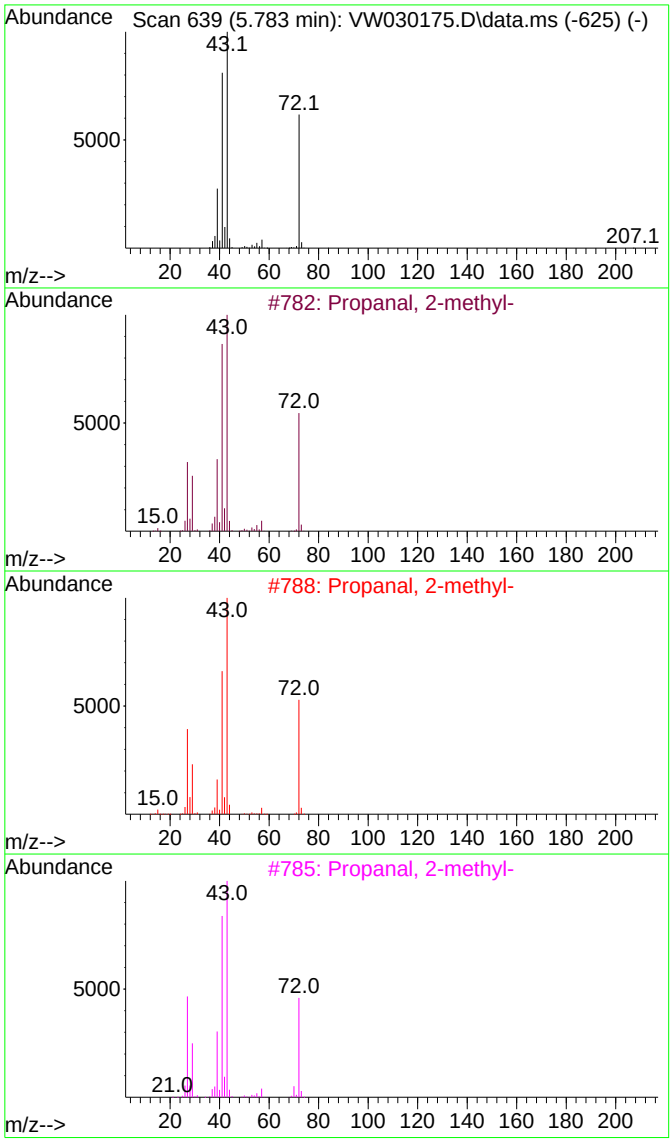
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

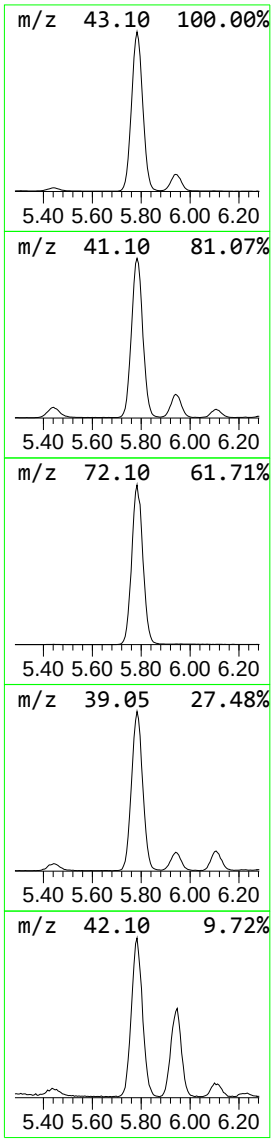
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Propanal, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.783	83.18 ug/L	3267310	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	90
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	86
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	78
5	Isobutylene epoxide	72	C4H8O	000558-30-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
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Operator : SY/MD
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Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

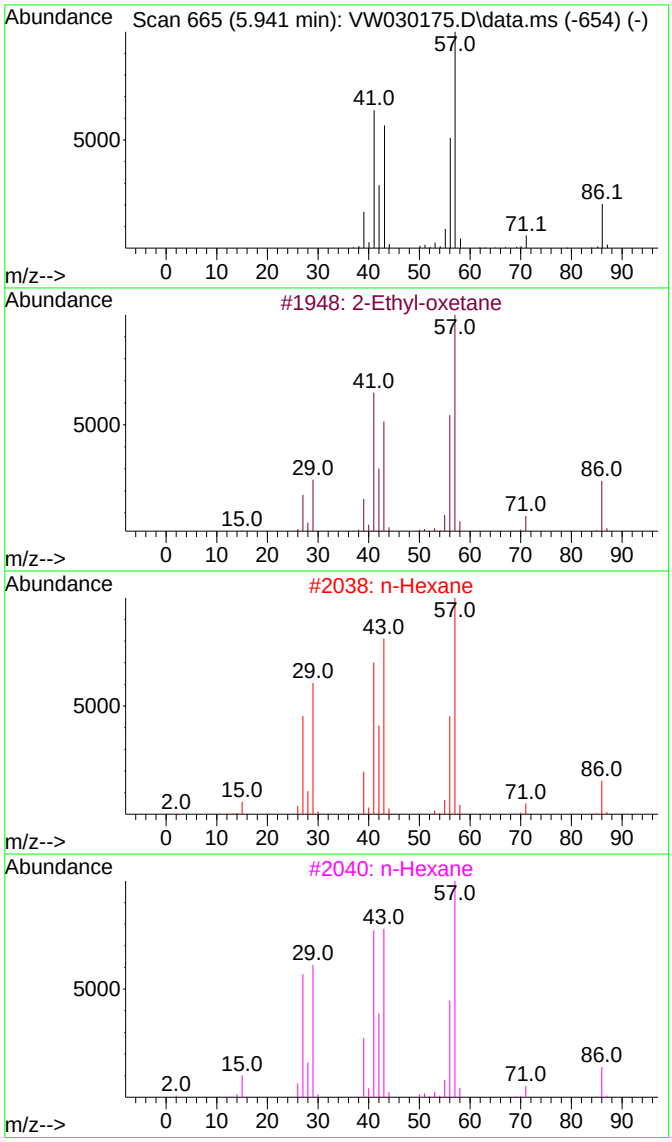
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

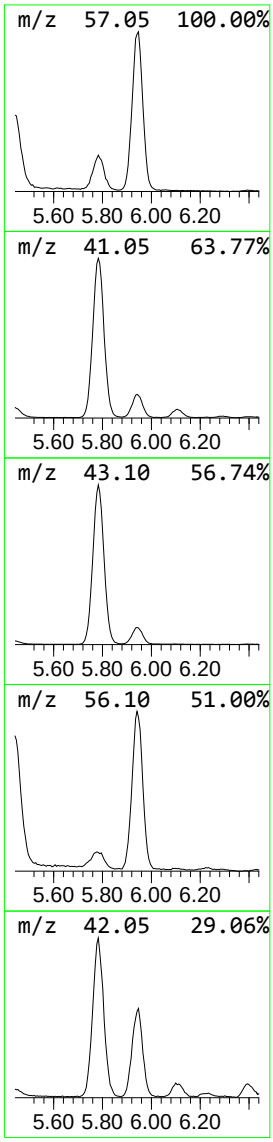
****

Peak Number 4 2-Ethyl-oxetane Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	17.59 ug/L	690991	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	90
2	n-Hexane	86	C6H14	000110-54-3	78
3	n-Hexane	86	C6H14	000110-54-3	78
4	n-Hexane	86	C6H14	000110-54-3	64
5	n-Hexane	86	C6H14	000110-54-3	64





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Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

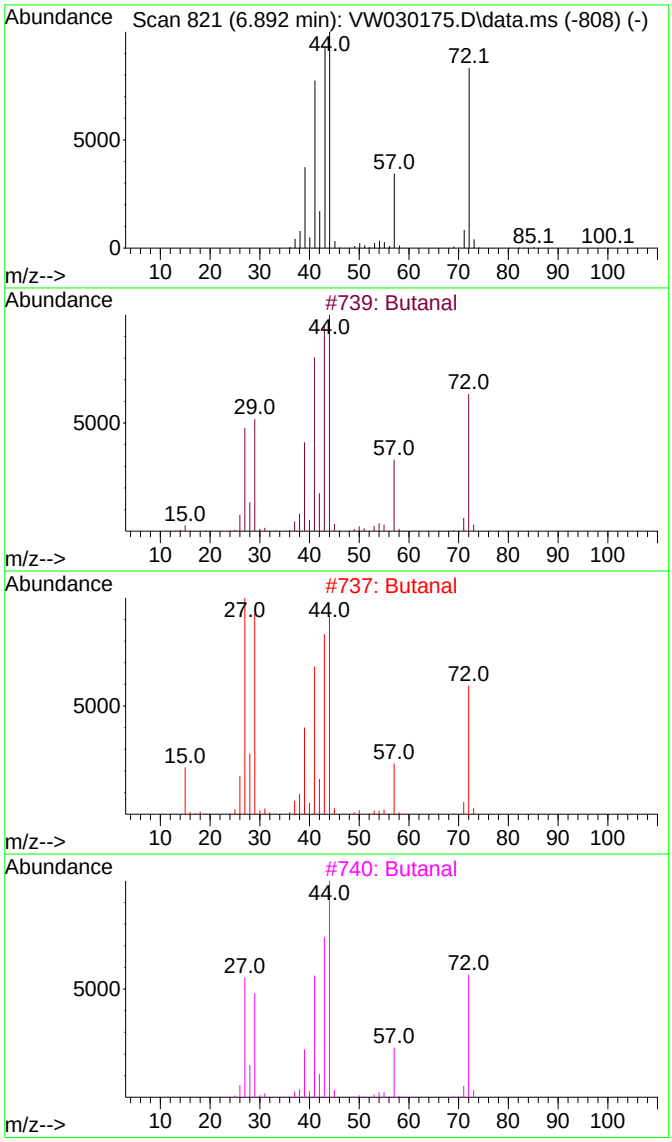
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

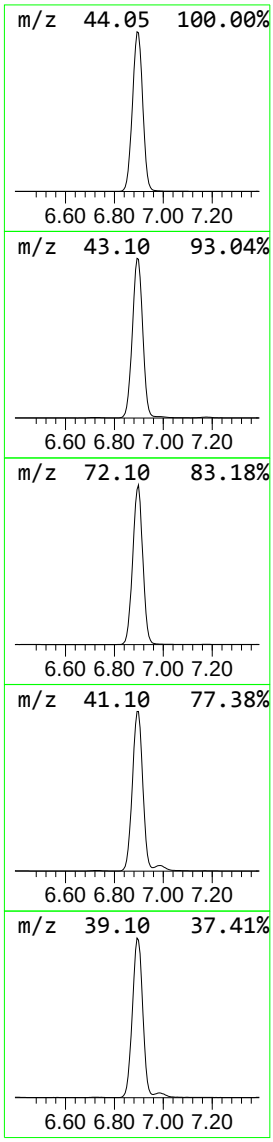
****

Peak Number 5 Butanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.892	468.04 ug/L	18384400	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	91
4	Butanal	72	C4H8O	000123-72-8	91
5	Butanal	72	C4H8O	000123-72-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

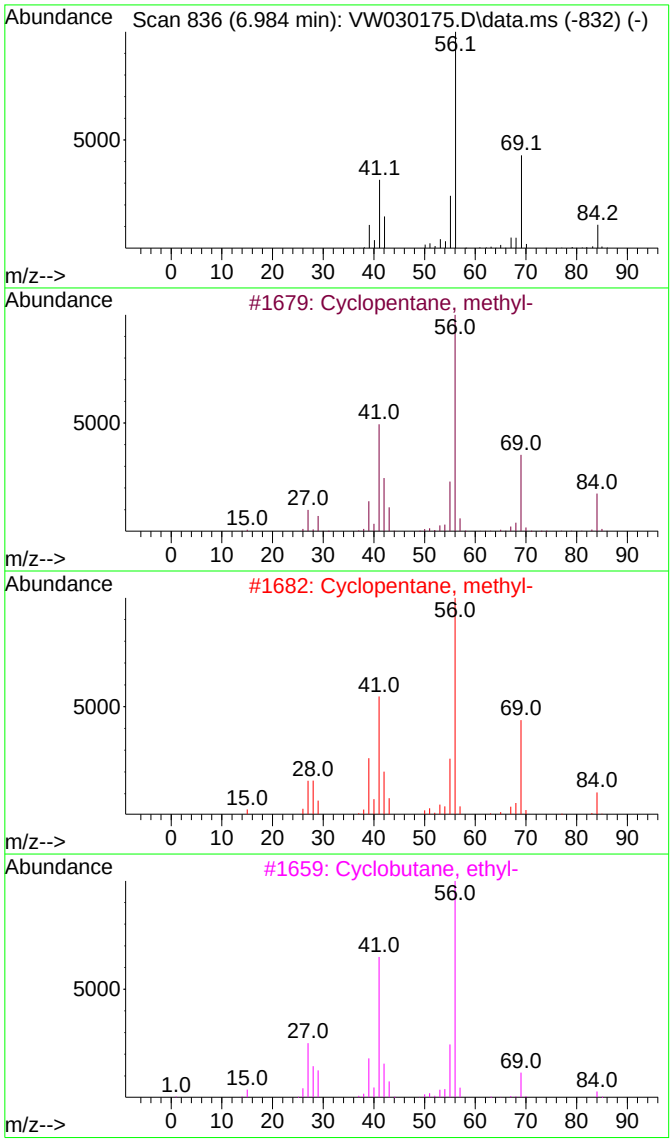
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

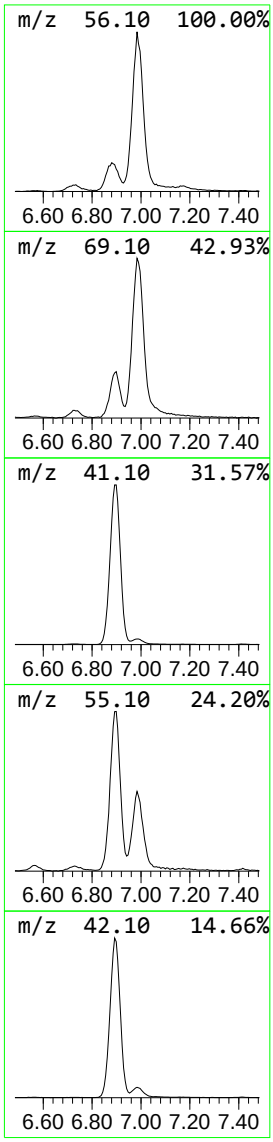
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic6.984 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.984	17.74 ug/L	696679	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	59
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

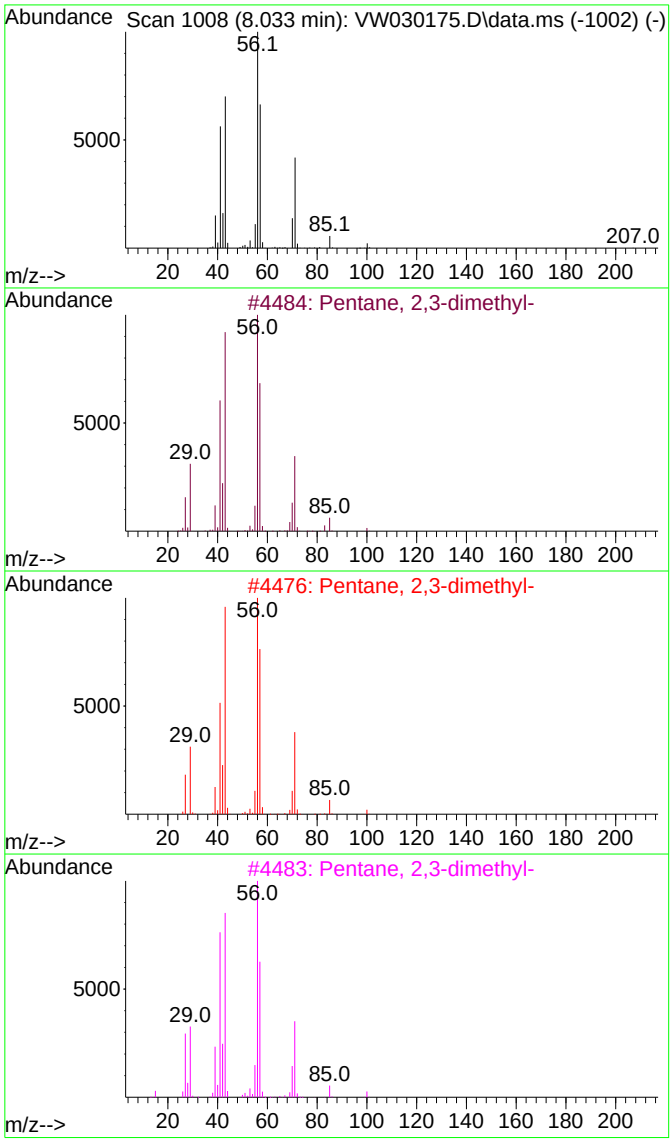
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

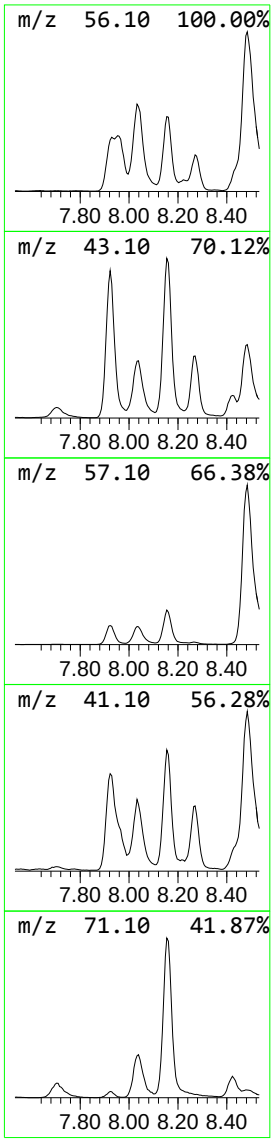
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.033	21.30 ug/L	836501	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

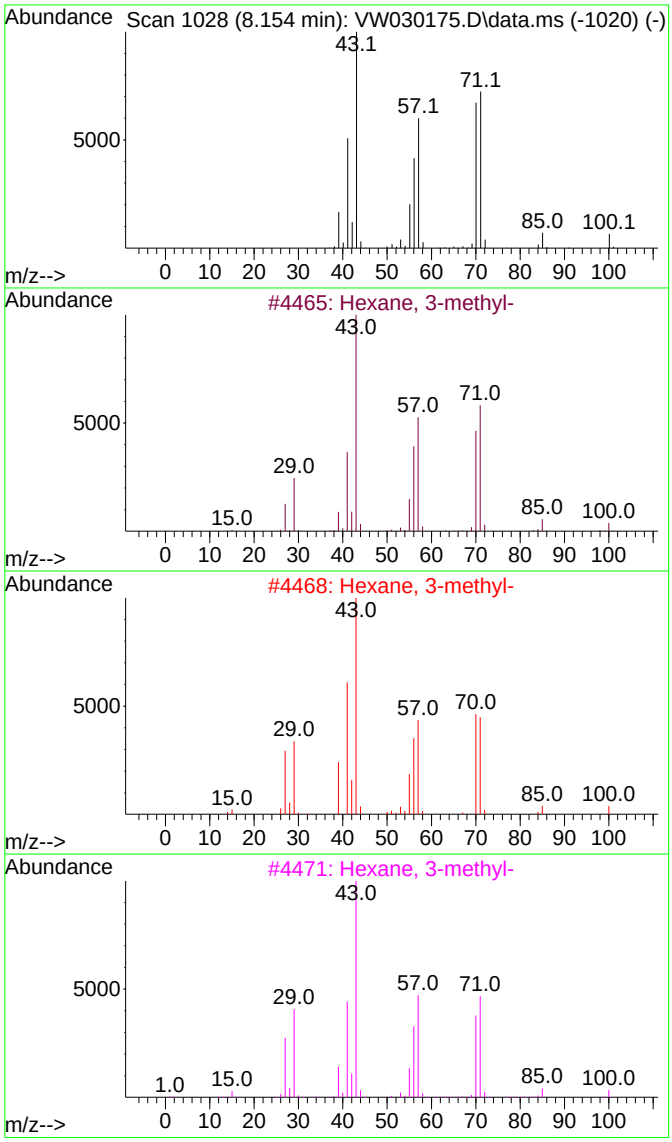
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

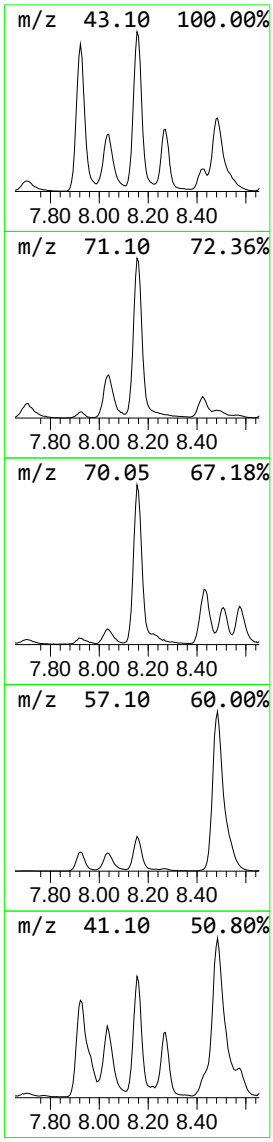
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	42.30 ug/L	1661660	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4	Heptane	100	C7H16	000142-82-5	80
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

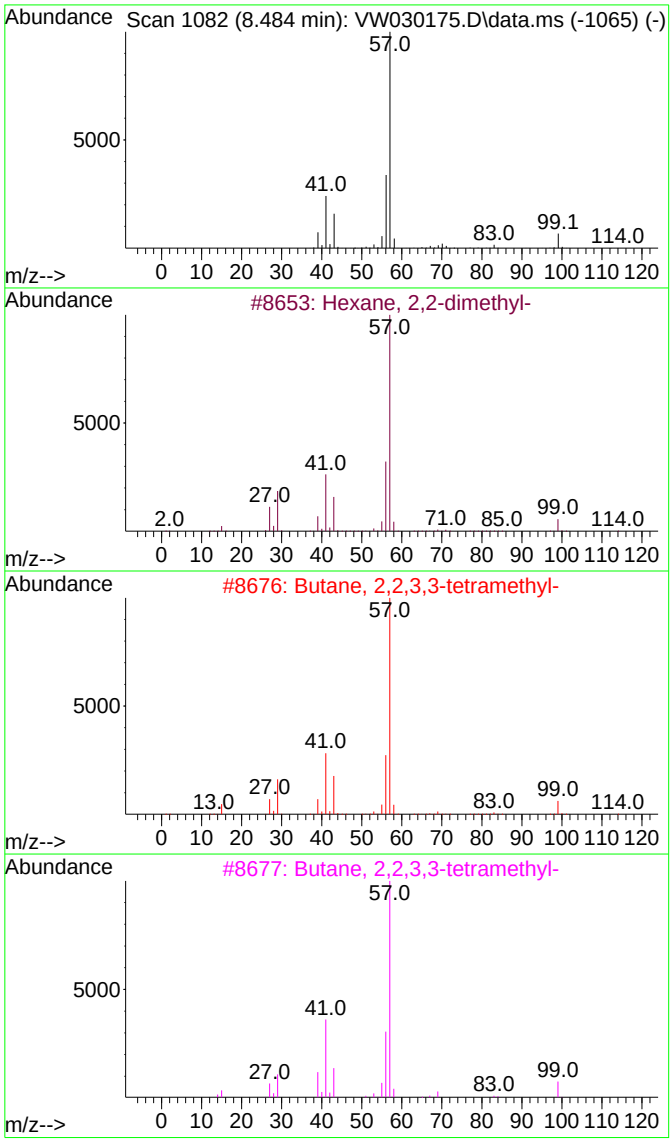
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

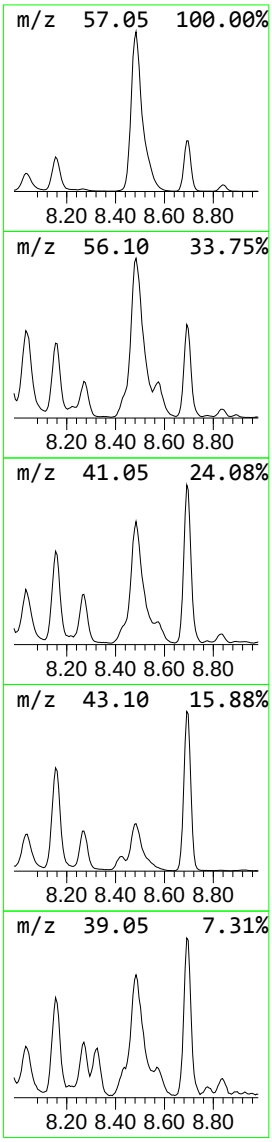
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.484	90.63 ug/L	3559850	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

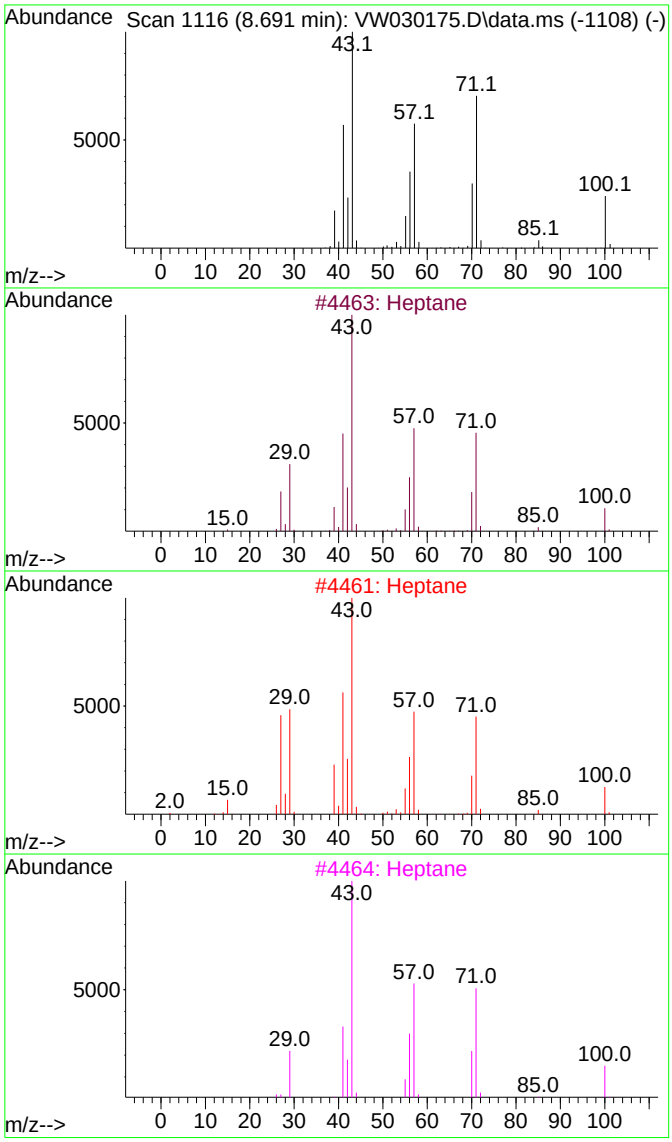
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

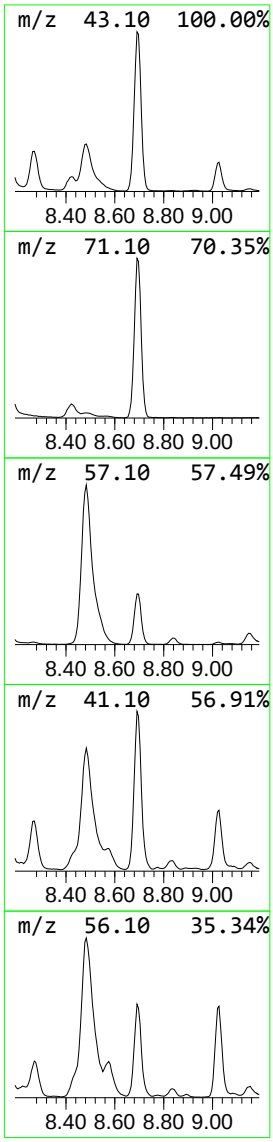
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.691	55.48 ug/L	2179380	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	68
4	Heptane	100	C7H16	000142-82-5	52
5	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

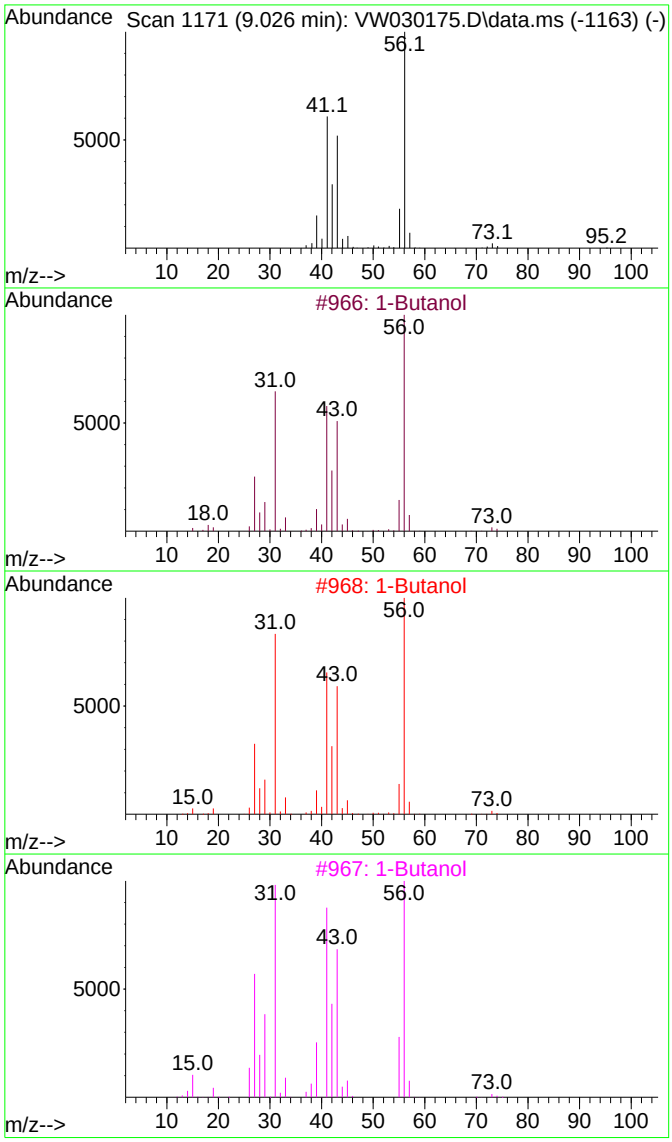
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

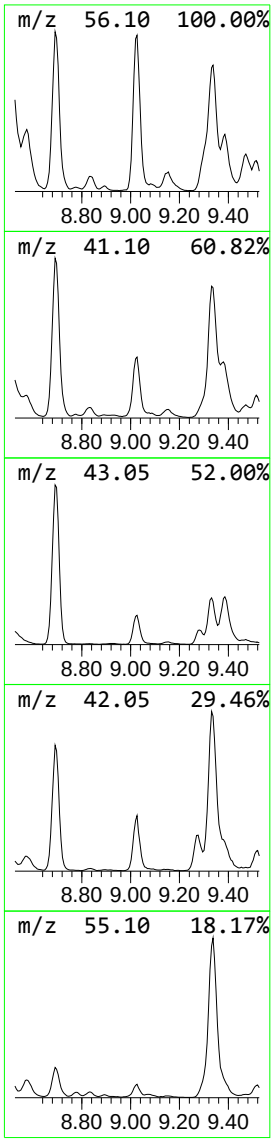
****

Peak Number 11 1-Butanol Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.026	12.07 ug/L	474020	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	91
2	1-Butanol	74	C4H10O	000071-36-3	91
3	1-Butanol	74	C4H10O	000071-36-3	90
4	1-Butanol	74	C4H10O	000071-36-3	78
5	Oxetane, 2,3,4-trimethyl-, (2.al...	100	C6H12O	032347-12-9	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

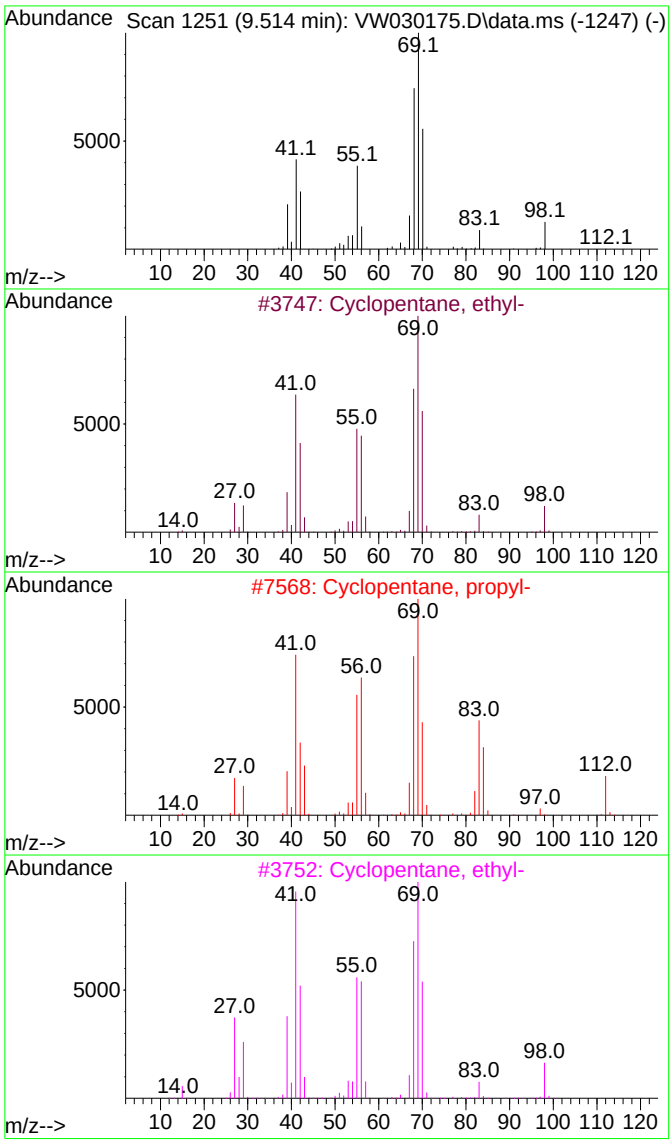
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

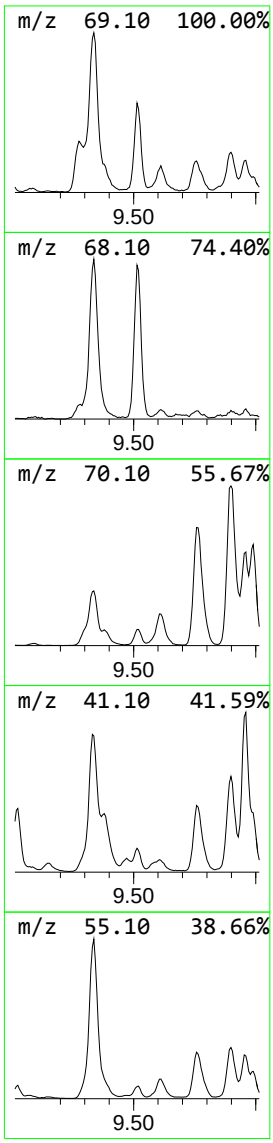
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic9.514 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.514	7.03 ug/L	275966	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	78
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	72
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	72
4	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	43
5	2-Hexene, 4-methyl-, (E)-	98	C7H14	003683-22-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

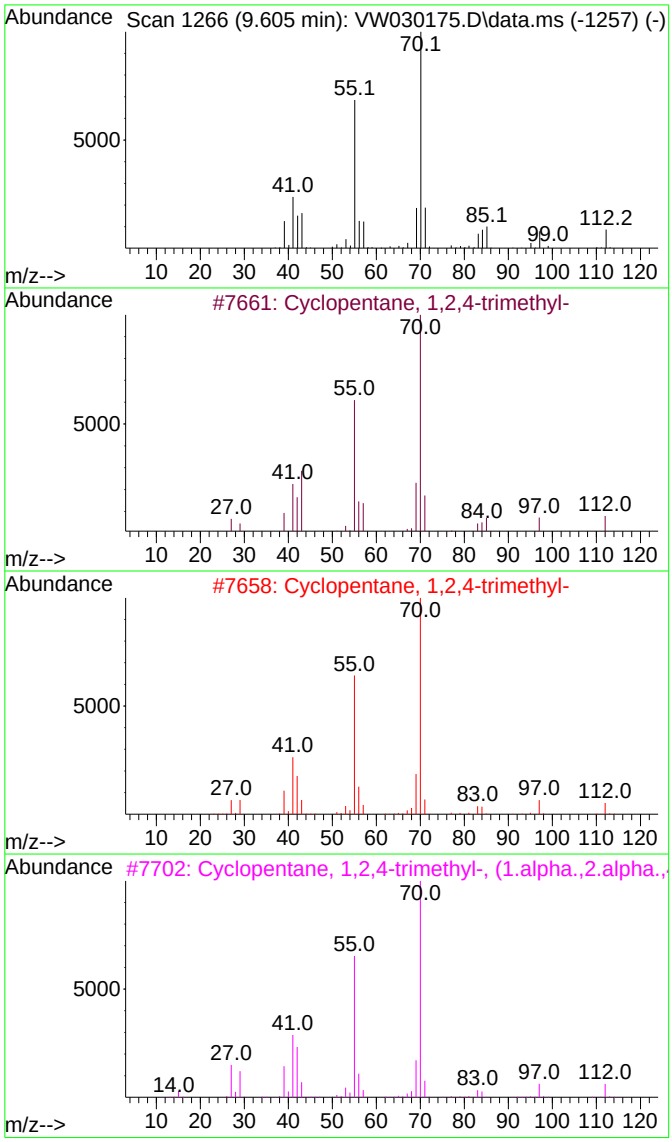
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

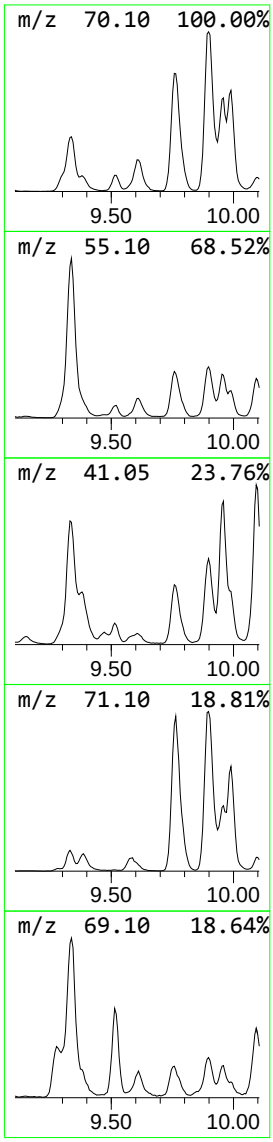
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic9.605 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.605	10.73 ug/L	421452	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	83
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

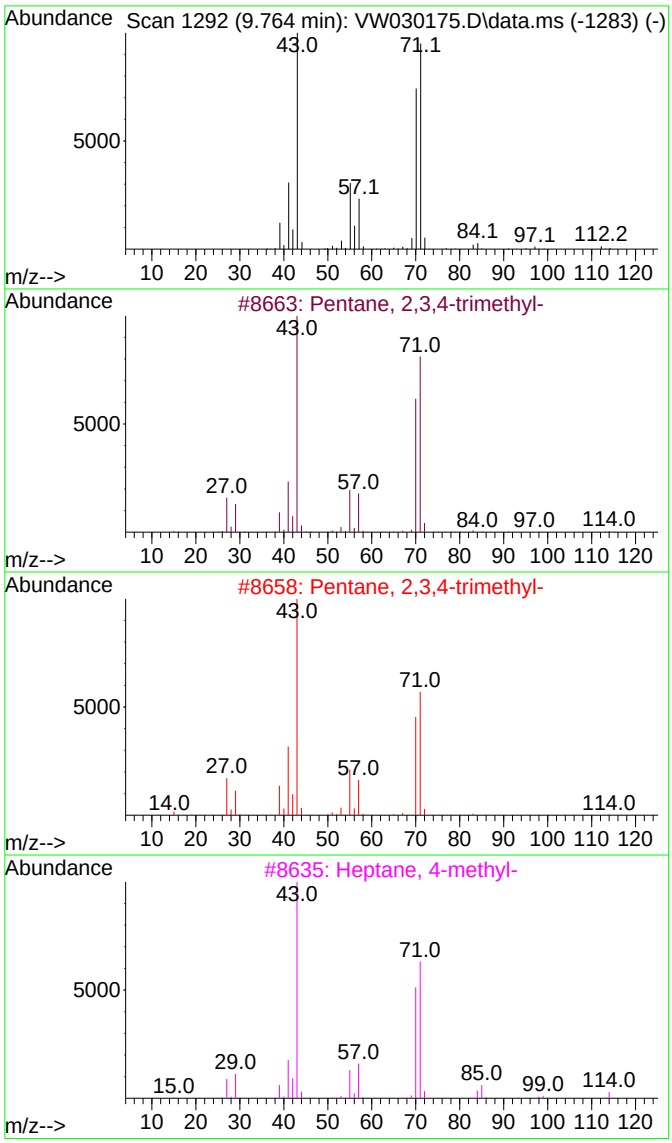
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

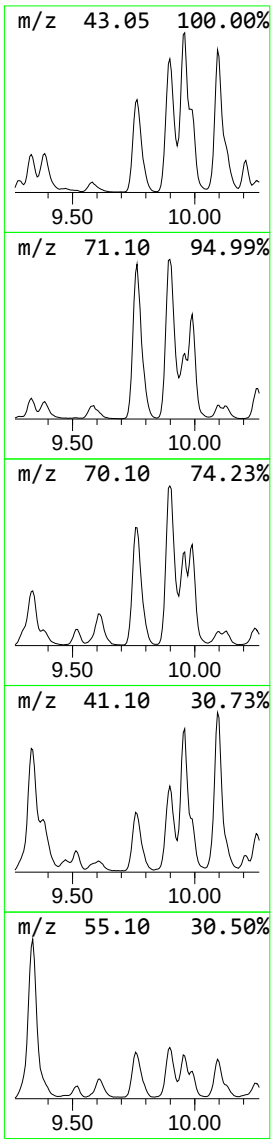
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.764	46.23 ug/L	1816050	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	87
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

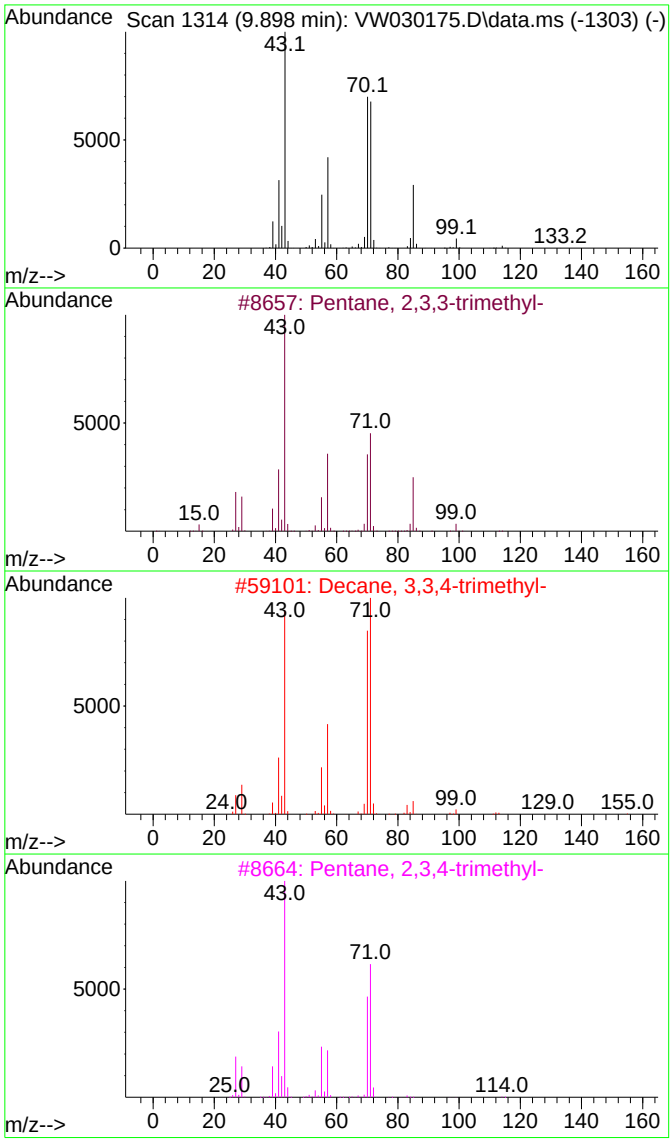
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

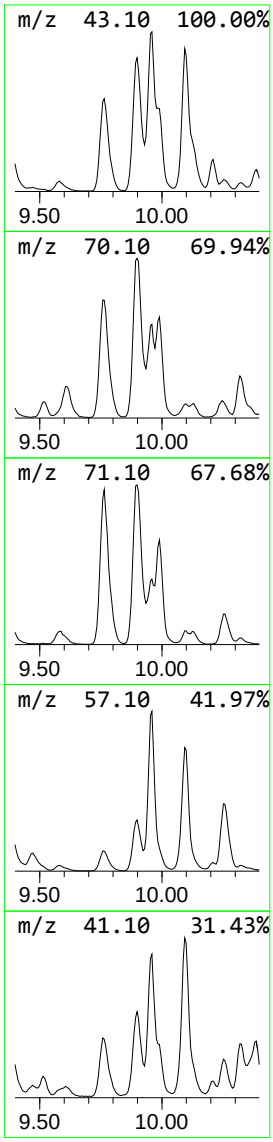
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.898	64.20 ug/L	2521790	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	59
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

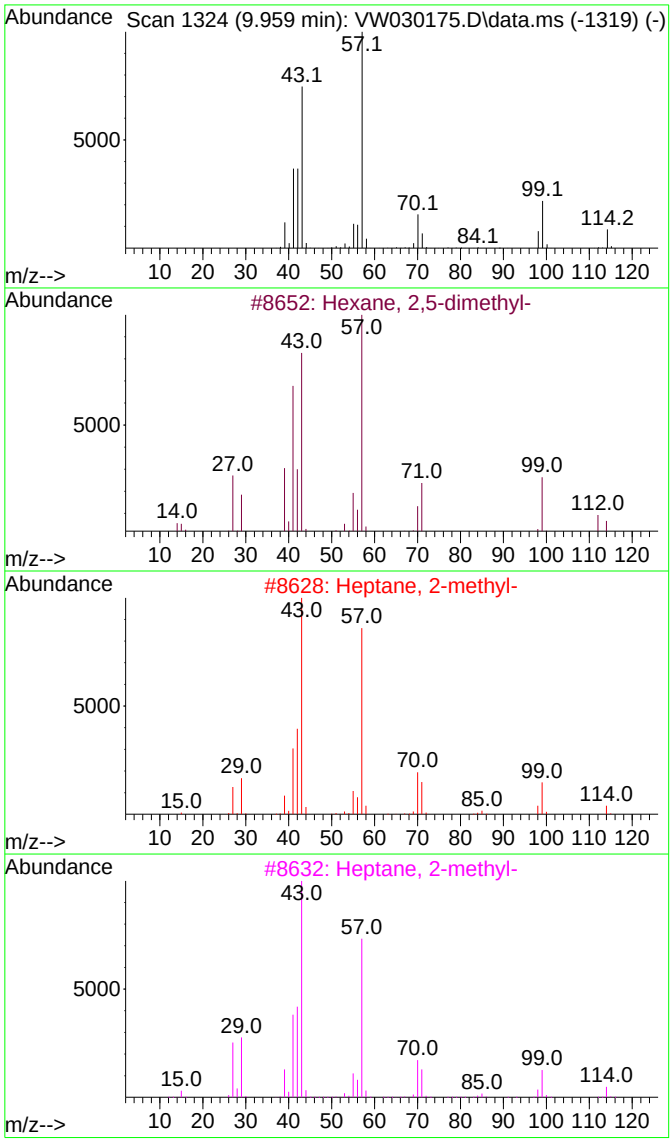
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

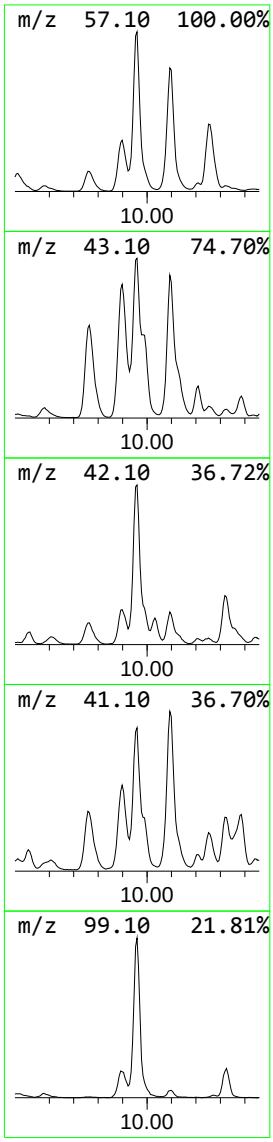
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.959	43.19 ug/L	1696320	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	86
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	83
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	80
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	64
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

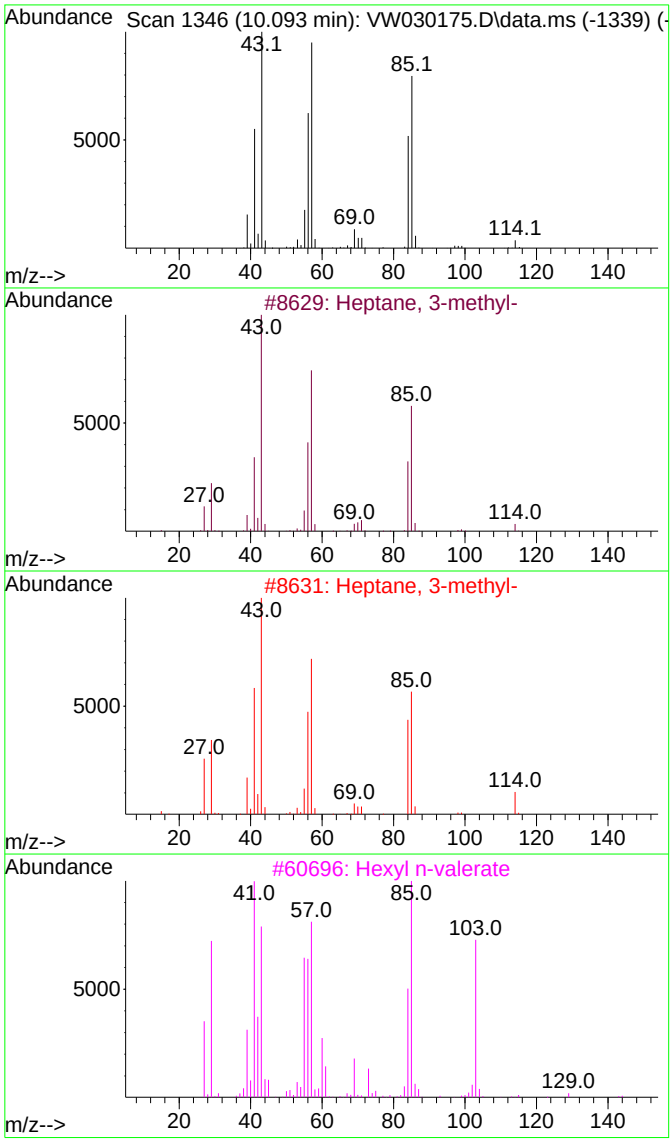
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

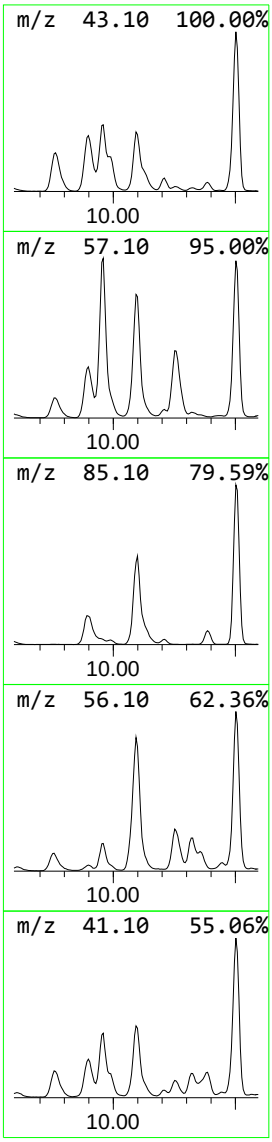
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.093	81.48 ug/L	3200650	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
3	Hexyl n-valerate	186	C11H22O2	001117-59-5	72
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	72
5	Nonane, 5-methyl-	142	C10H22	015869-85-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

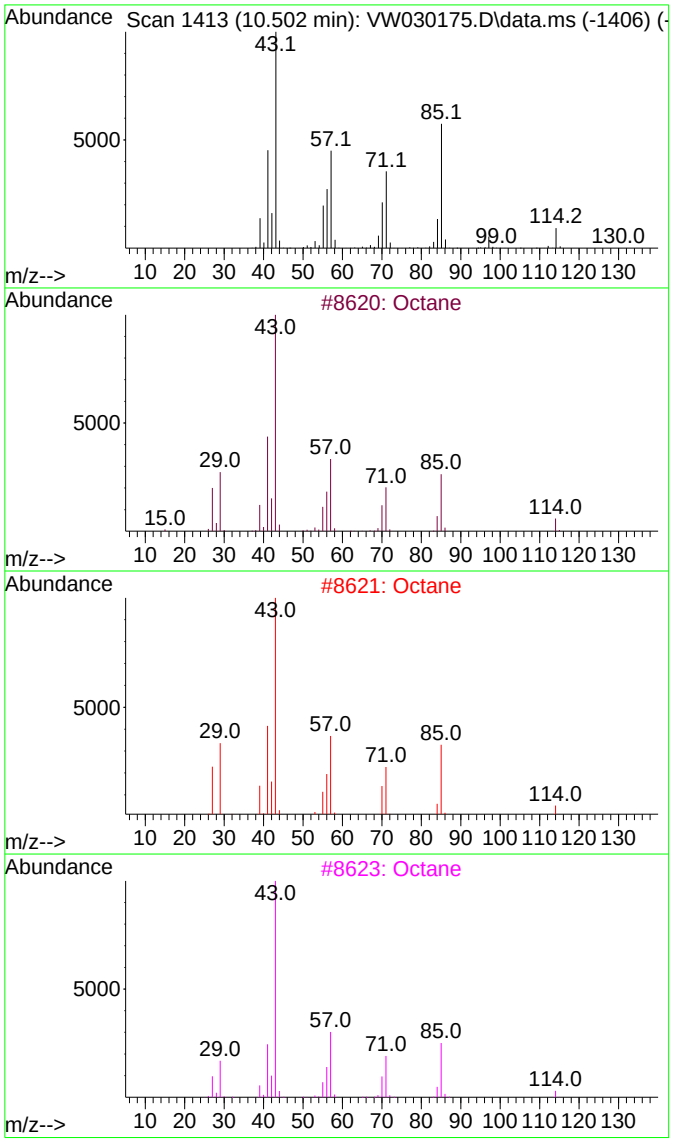
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

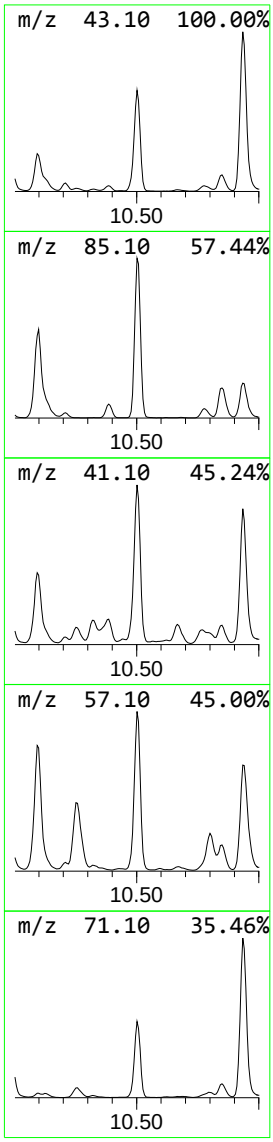
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.502	11.09 ug/L	5722320	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	94
2	Octane	114	C8H18	000111-65-9	94
3	Octane	114	C8H18	000111-65-9	91
4	Octane	114	C8H18	000111-65-9	90
5	Octane	114	C8H18	000111-65-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

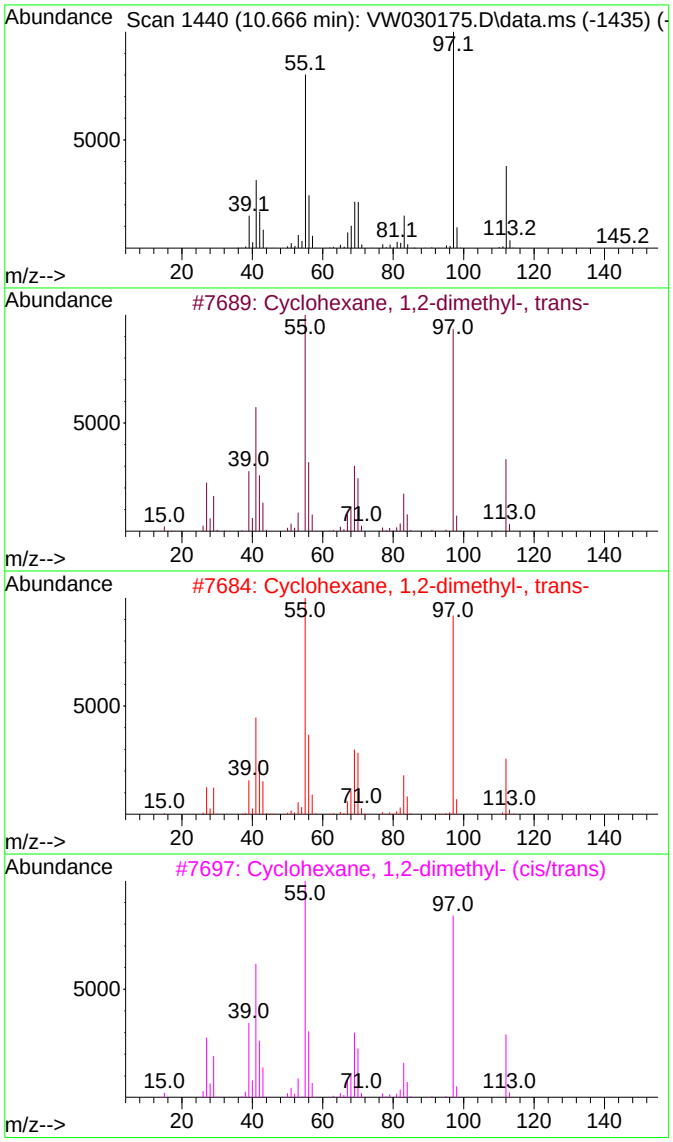
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

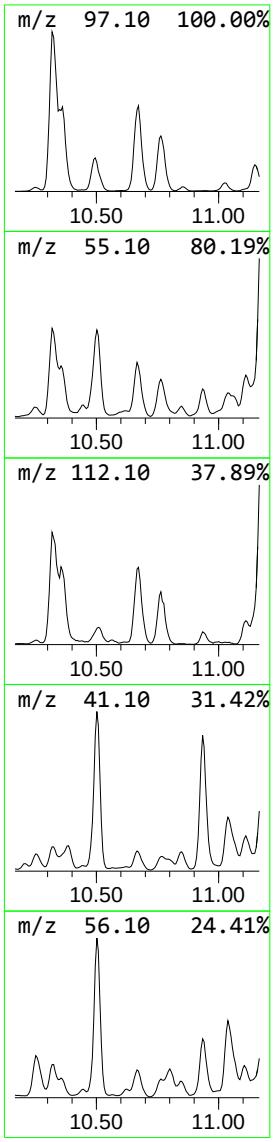
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic10.666 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	2.25 ug/L	1158250	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

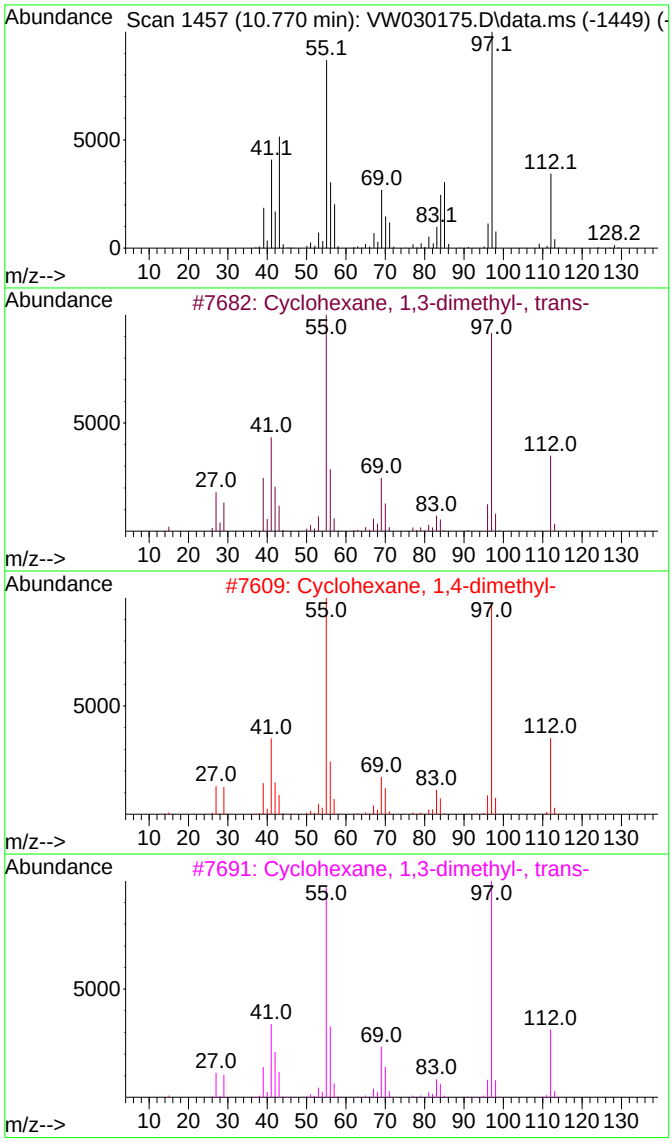
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

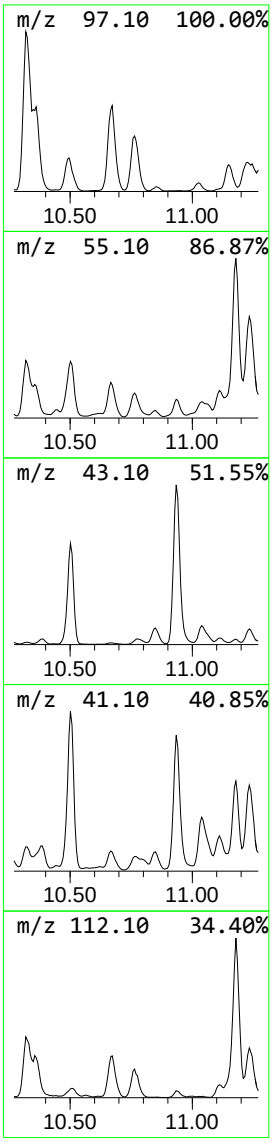
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic10.770 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.770	2.56 ug/L	1321770	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	93
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	81
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

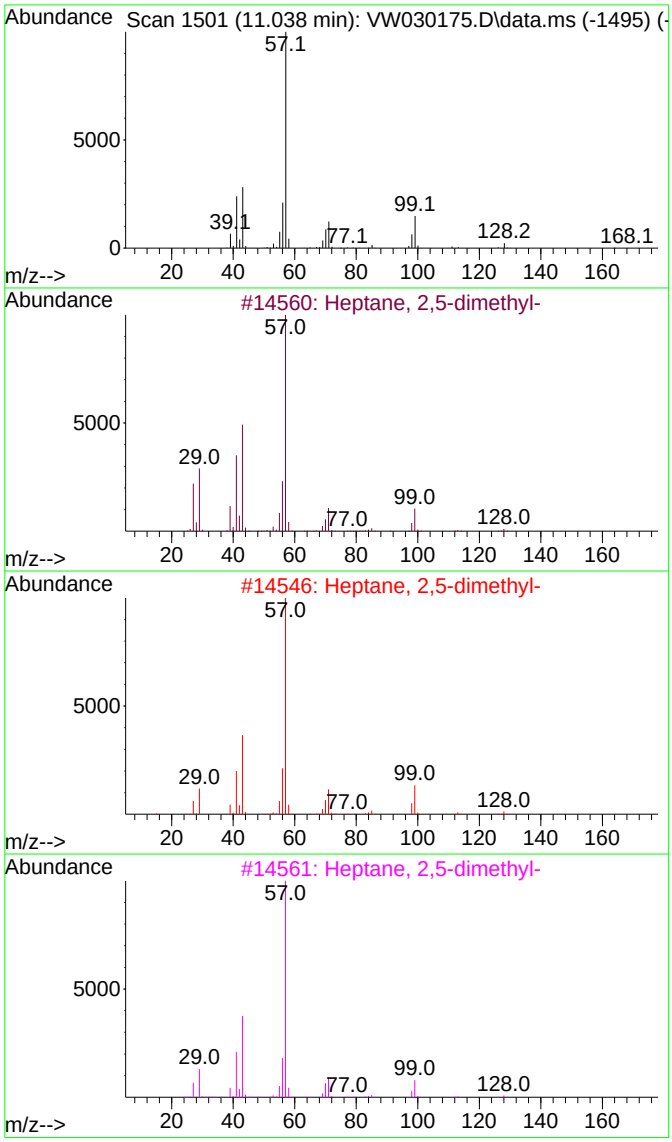
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

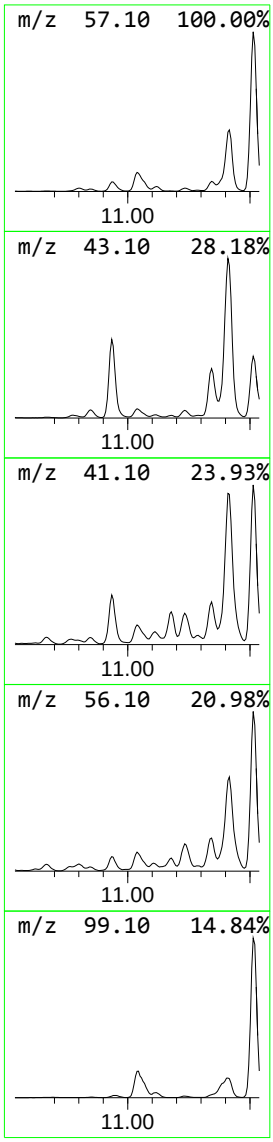
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.038	5.21 ug/L	2688740	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4	Octane, 3-methyl-	128	C9H20	002216-33-3	87
5	Octane, 3-methyl-	128	C9H20	002216-33-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

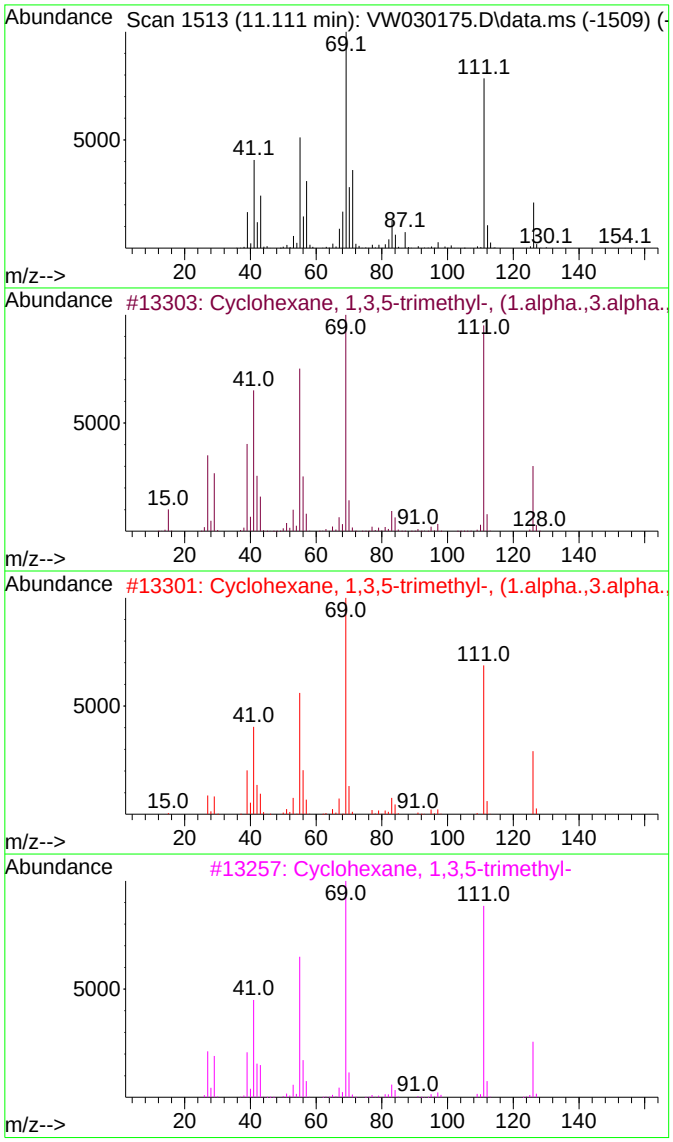
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

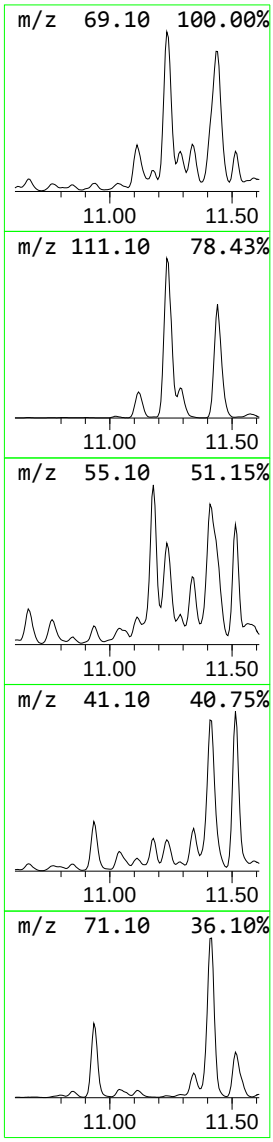
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic11.111 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.111	2.11 ug/L	1087890	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	76
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	76
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

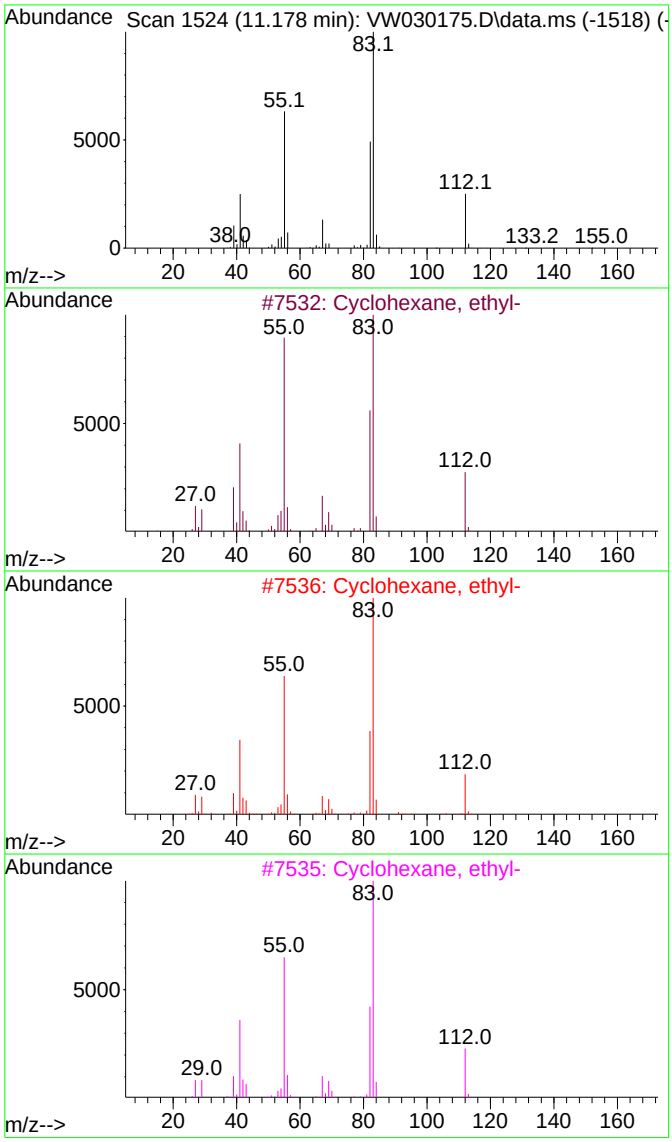
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

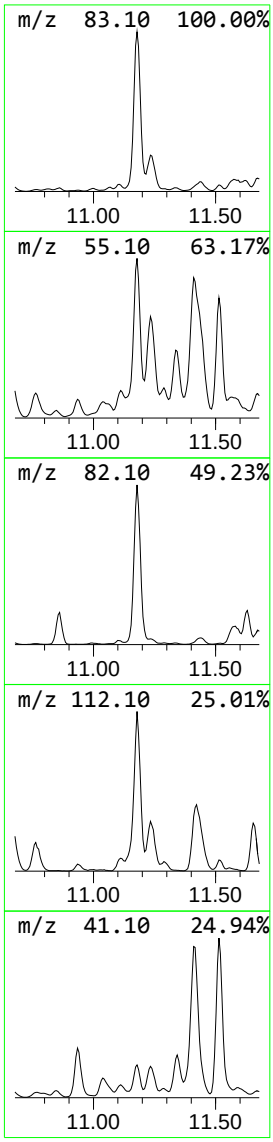
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic11.178 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.178	6.84 ug/L	3529720	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

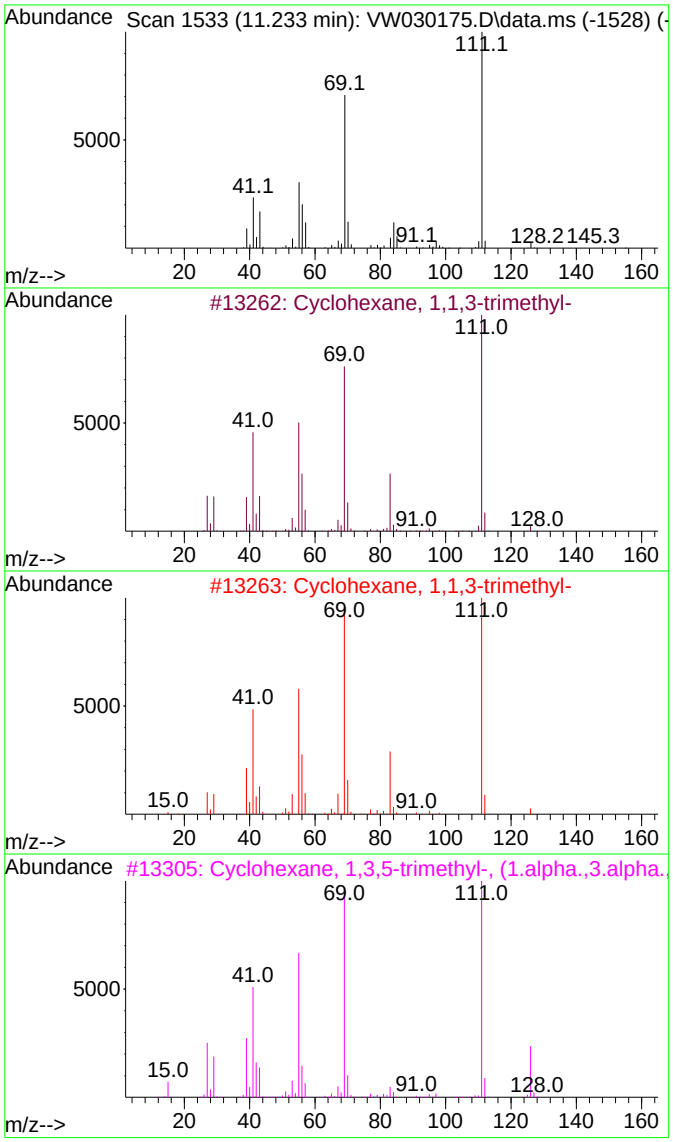
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

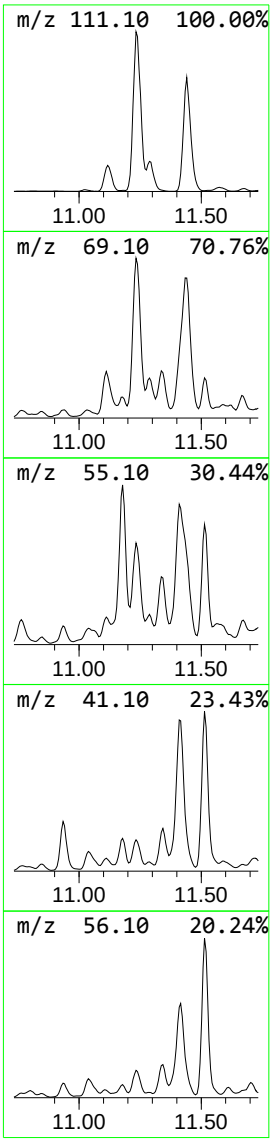
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic11.233 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	9.00 ug/L	4639580	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	56
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	53
4	Pyrazol-4-amine, 1,5-dimethyl-	111	C5H9N3	121983-36-6	50
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

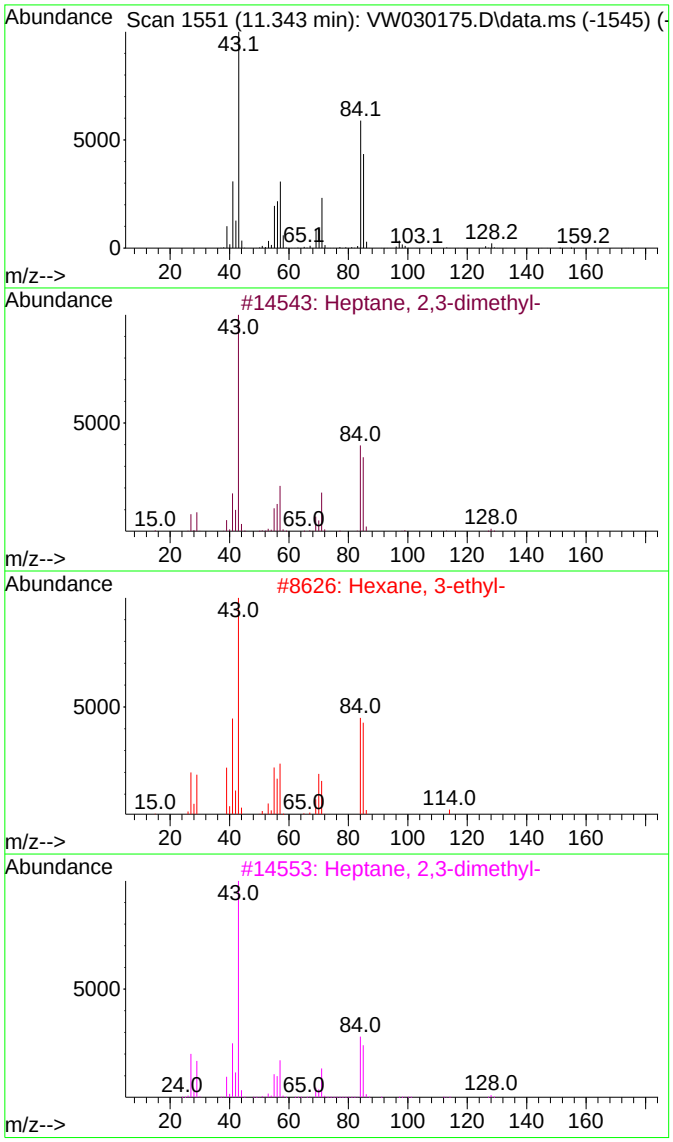
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

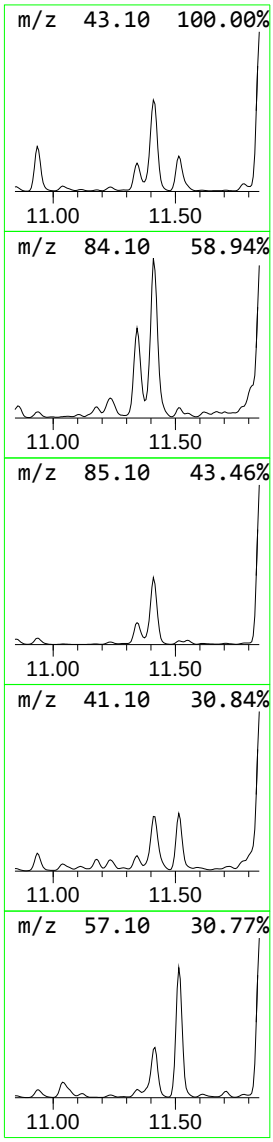
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.343	10.10 ug/L	5208950	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	81
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	78
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	64
5	Hexanal, 3,3-dimethyl-	128	C8H16O	055320-57-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

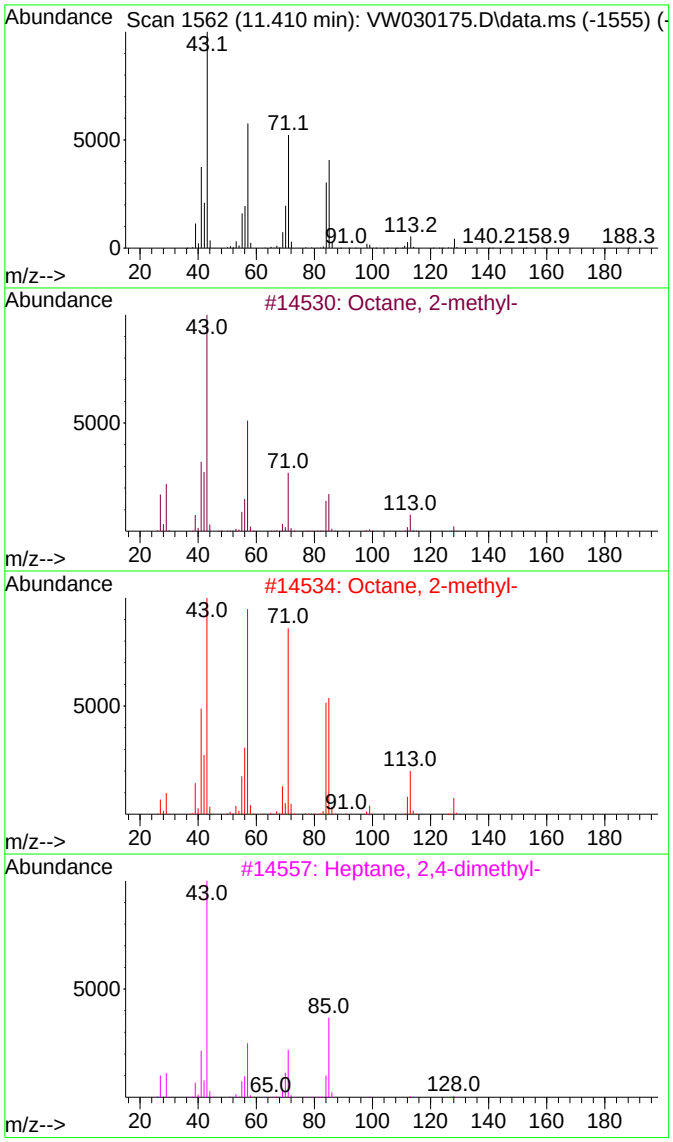
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

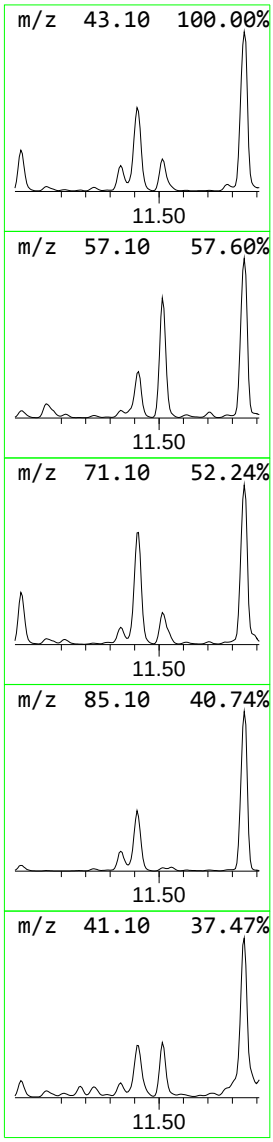
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.410	46.31 ug/L	23886500	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	76
2	Octane, 2-methyl-	128	C9H20	003221-61-2	72
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Octane, 2-methyl-	128	C9H20	003221-61-2	72
5	Octane, 4-methyl-	128	C9H20	002216-34-4	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

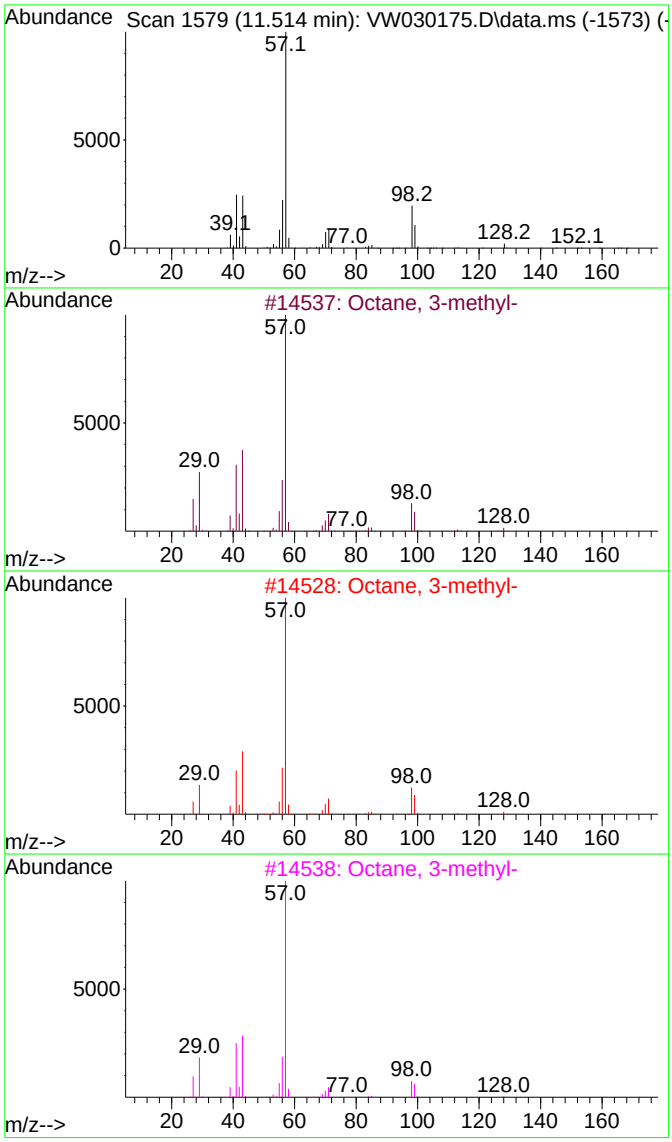
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

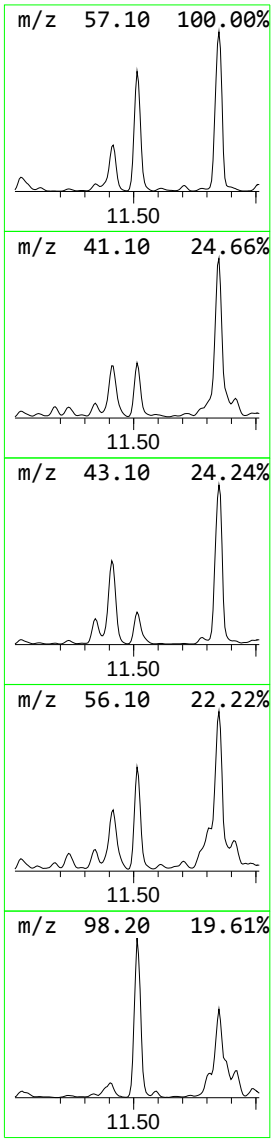
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.514	32.02 ug/L	16512300	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Octane, 3-methyl-	128	C9H20	002216-33-3	87
3	Octane, 3-methyl-	128	C9H20	002216-33-3	74
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

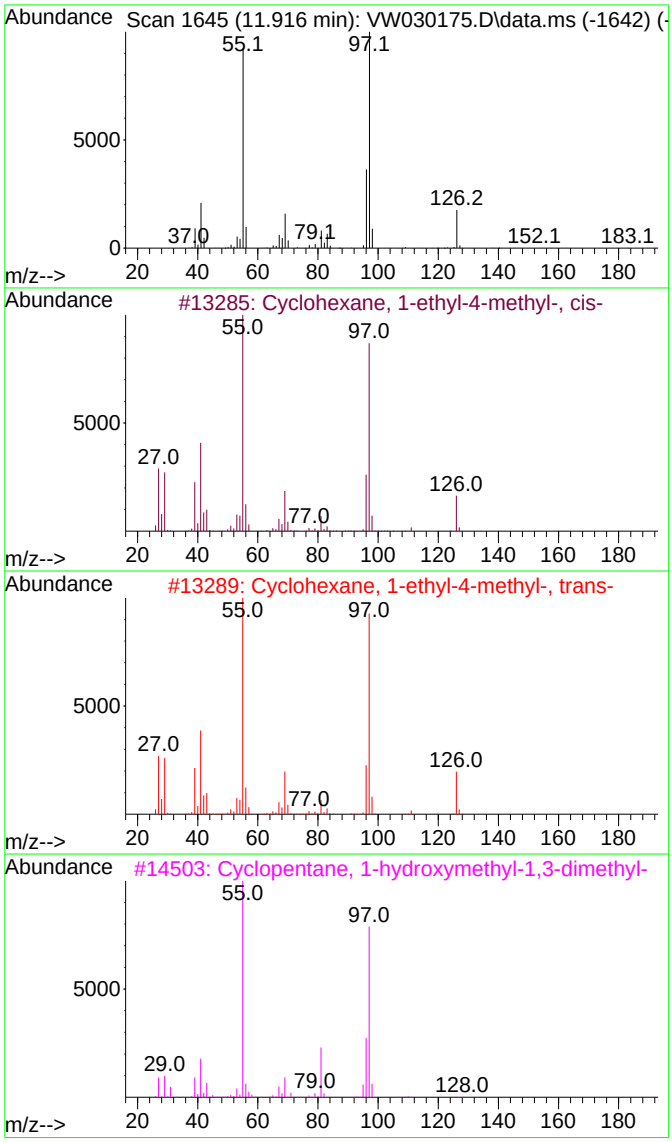
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

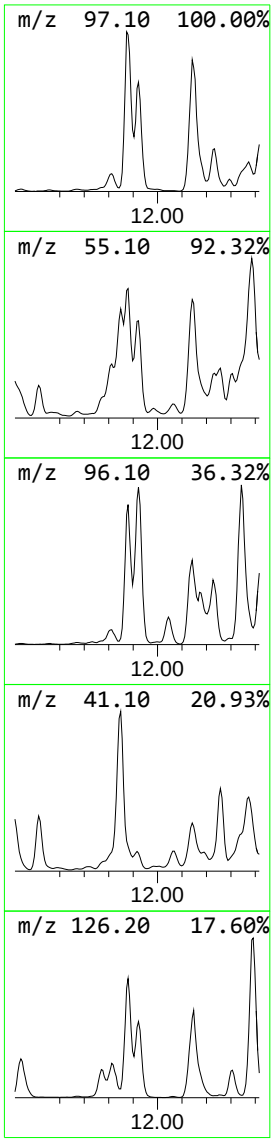
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic11.916 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	14.74 ug/L	7602690	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
3	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	78
4	Cyclohexane, 1-isopropyl-1-methyl-	140	C10H20	016580-26-0	78
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

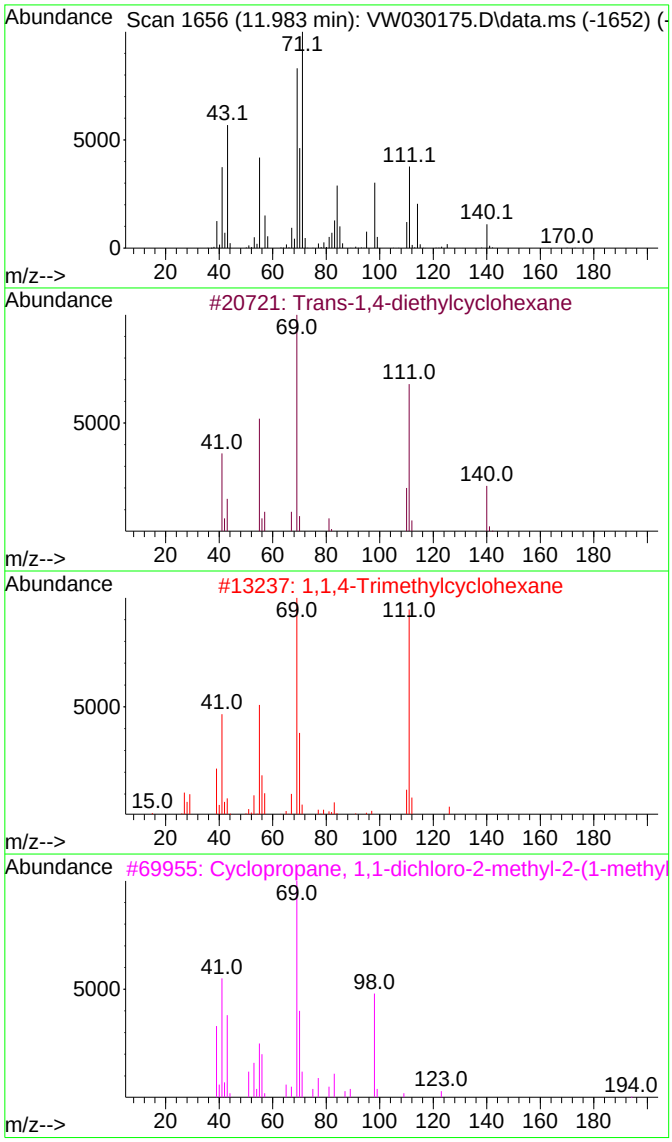
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

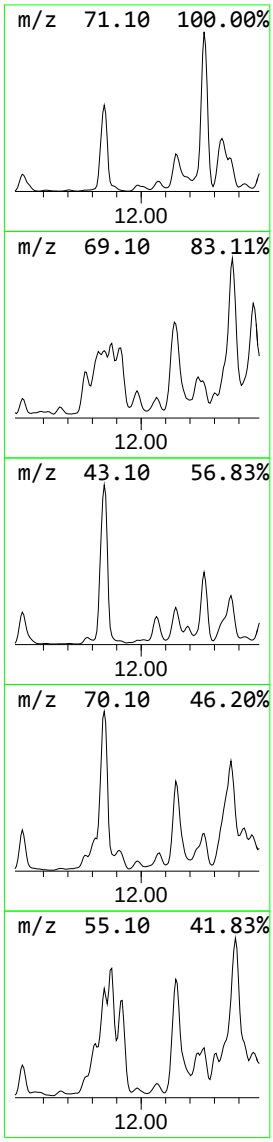
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic11.983 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.983	2.30 ug/L	1186440	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	38
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	35
3	Cyclopropane, 1,1-dichloro-2-met...	194	C9H16Cl2	024551-82-4	35
4	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	25
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

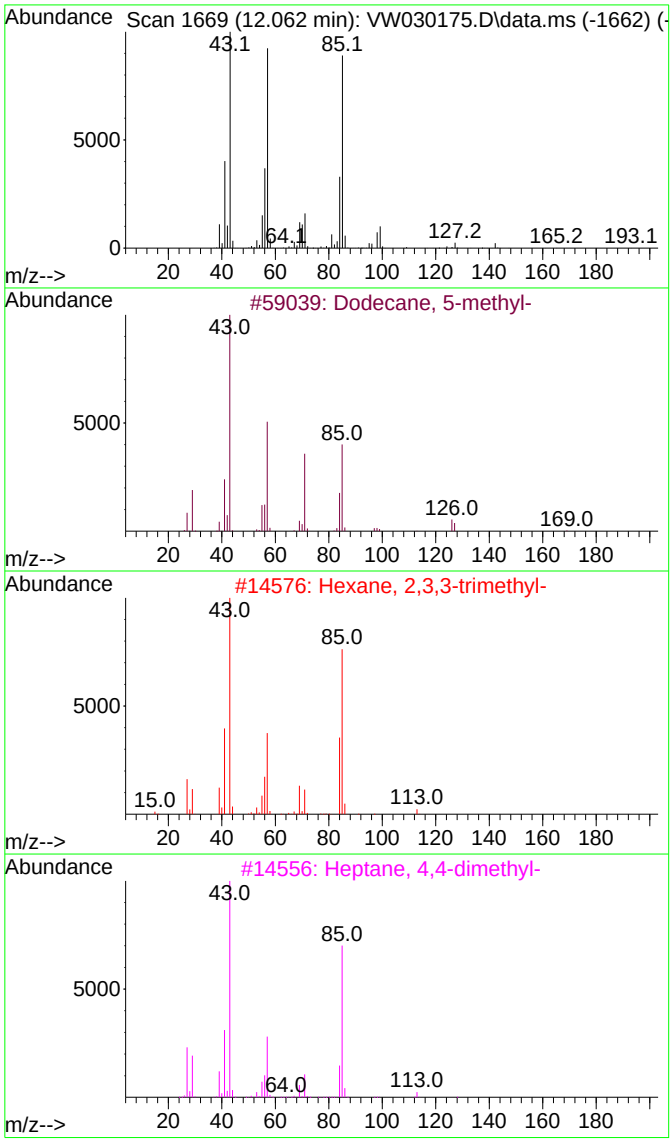
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

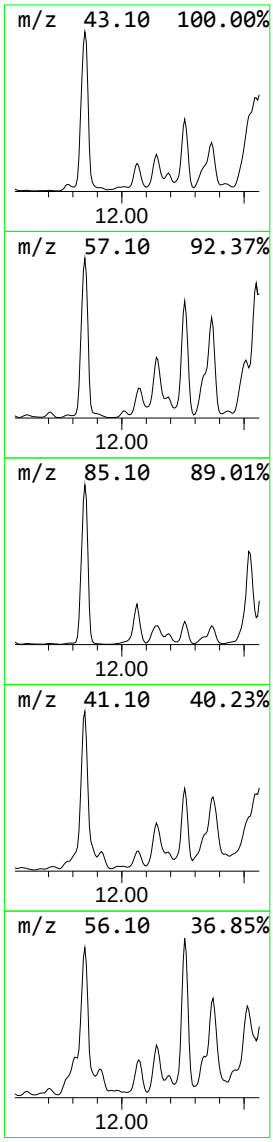
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.062	13.40 ug/L	6908970	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 5-methyl-	184	C13H28	017453-93-9	64
2	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	59
3	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	53
4	Sulfurous acid, butyl isohexyl e...	222	C10H22O3S	1000309-17-2	53
5	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

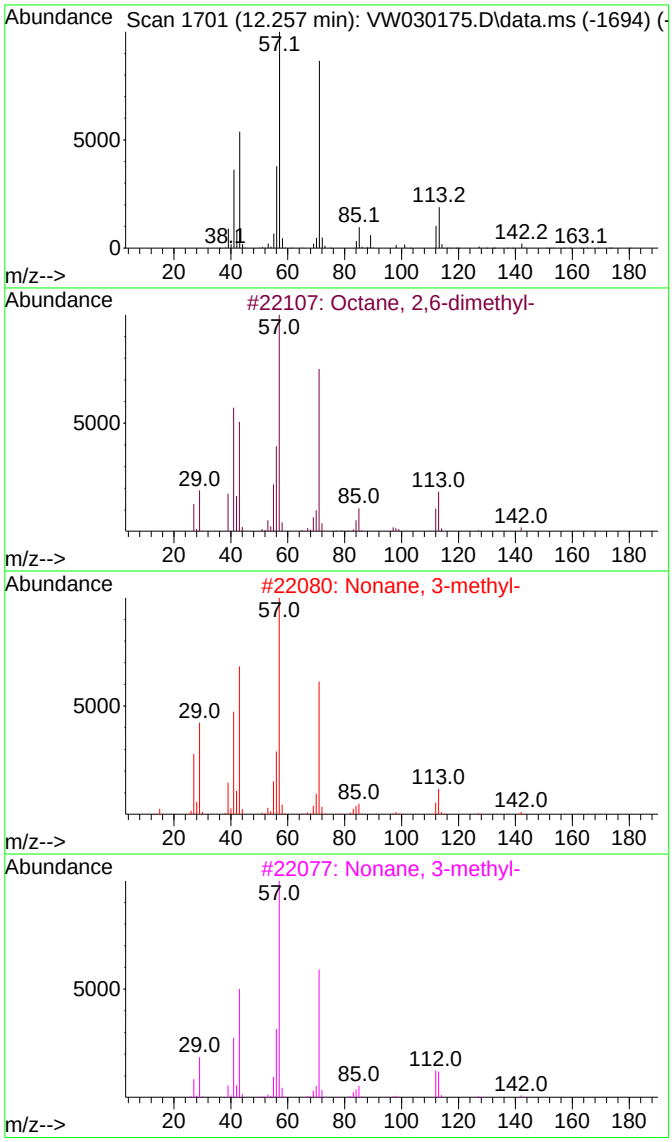
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

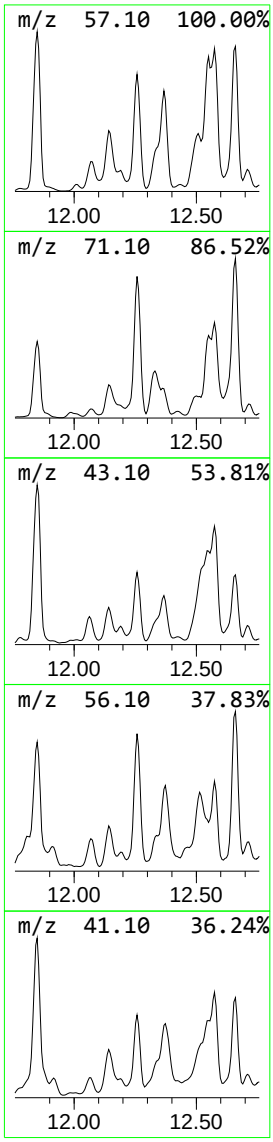
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.257	46.47 ug/L	23967400	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	86
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

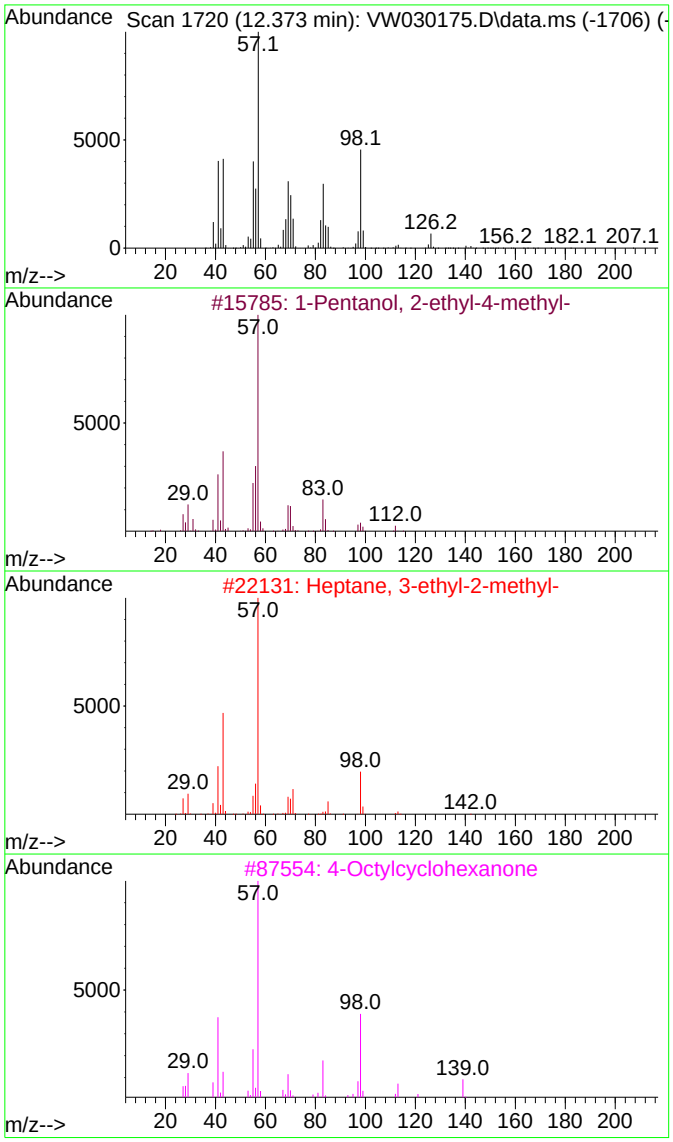
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

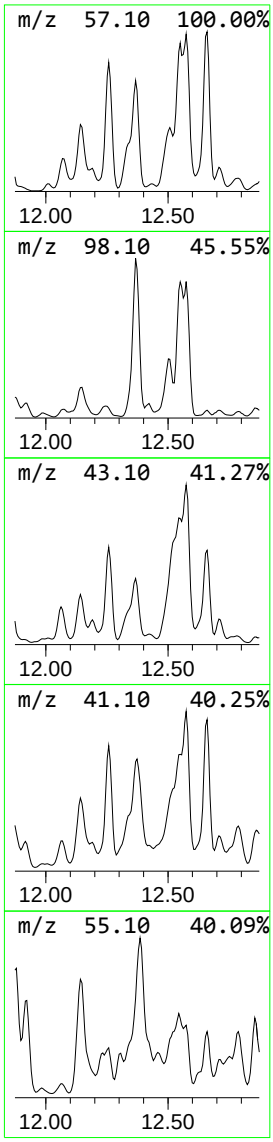
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 1-Pentanol, 2-ethyl-4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.373	92.86 ug/L	47893300	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	50
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
3	4-Octylcyclohexanone	210	C14H26O	1000428-94-1	47
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

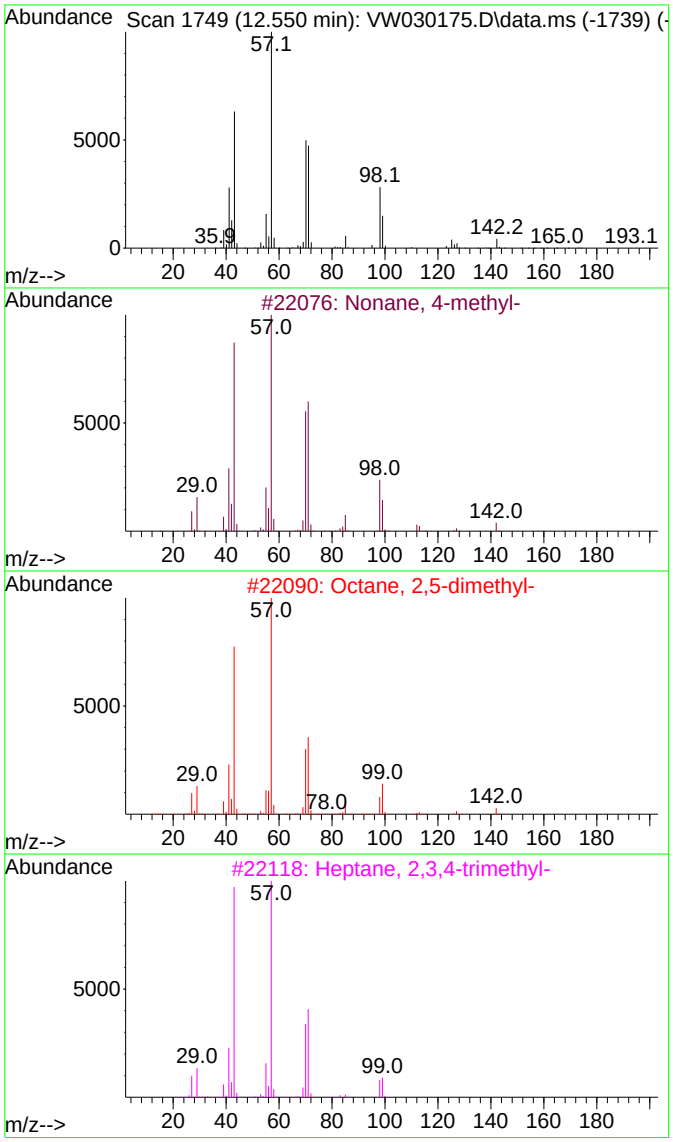
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

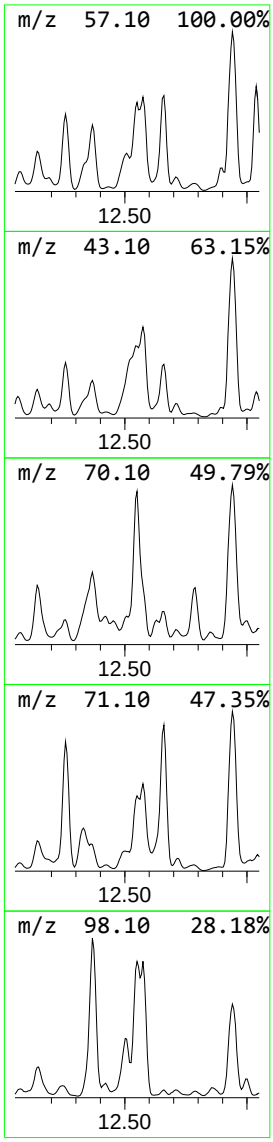
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.550	61.96 ug/L	31957700	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	80
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

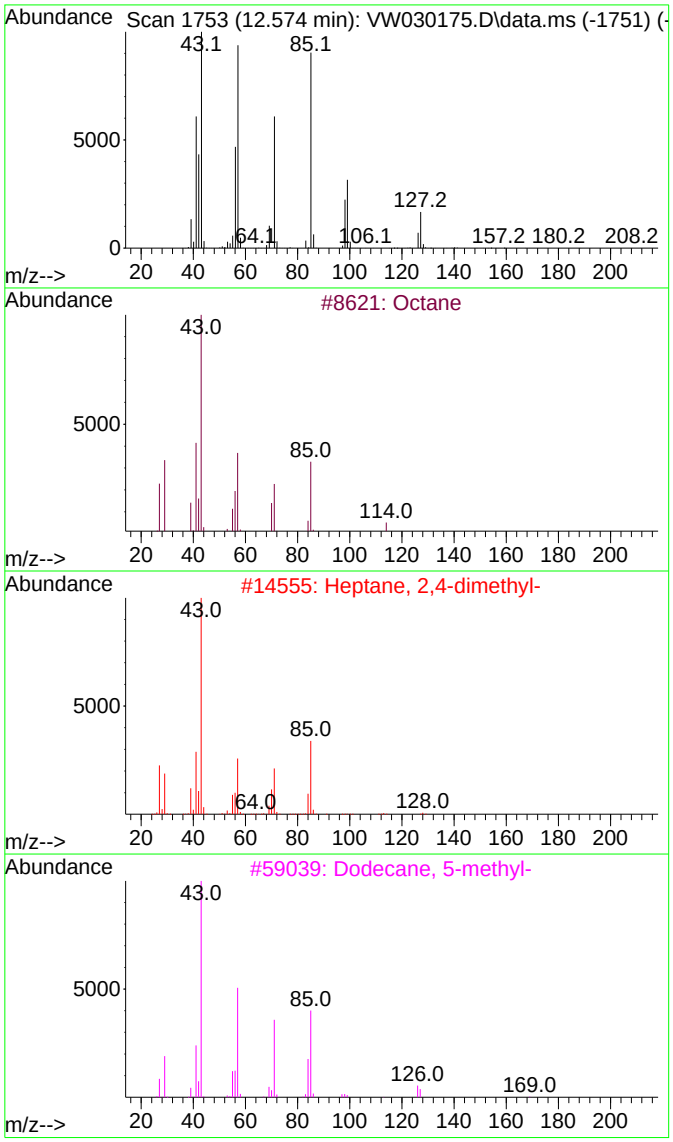
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

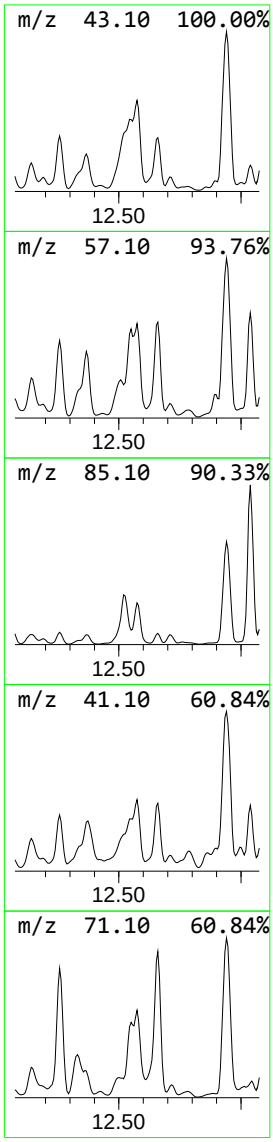
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.574	43.80 ug/L	22590500	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	53
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
3	Dodecane, 5-methyl-	184	C13H28	017453-93-9	47
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
5	Octane	114	C8H18	000111-65-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

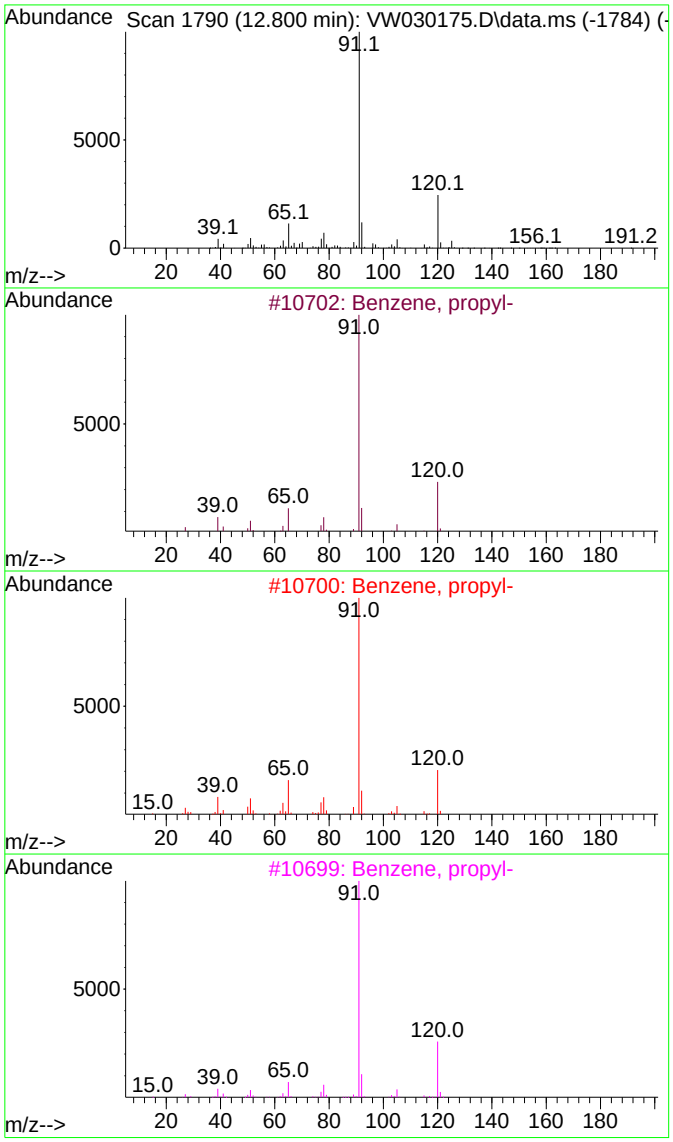
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

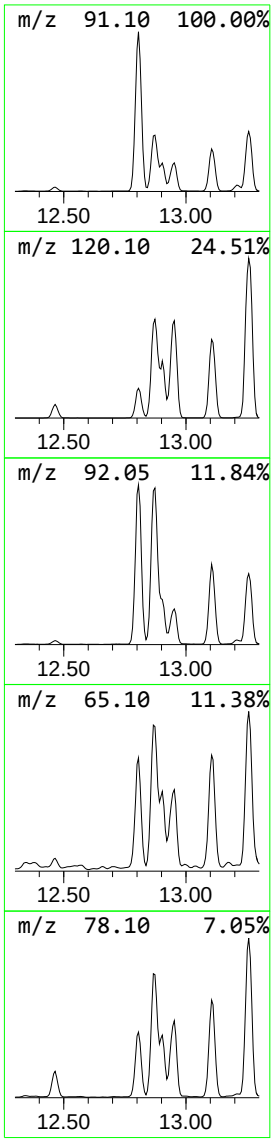
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, propyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.800	32.92 ug/L	26339400	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	93
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Benzene, propyl-	120	C9H12	000103-65-1	87
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

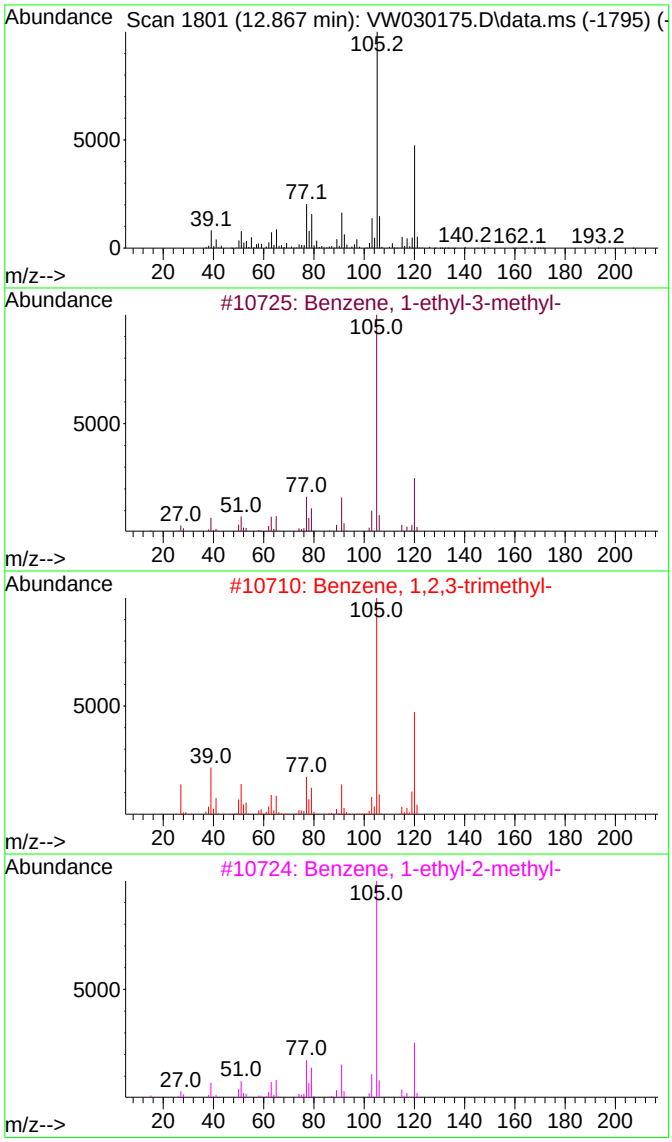
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

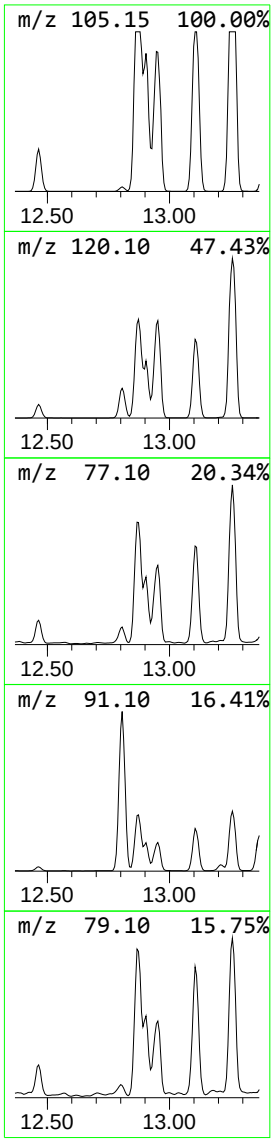
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.867	89.16 ug/L	71342800	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4	Mesitylene	120	C9H12	000108-67-8	87
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

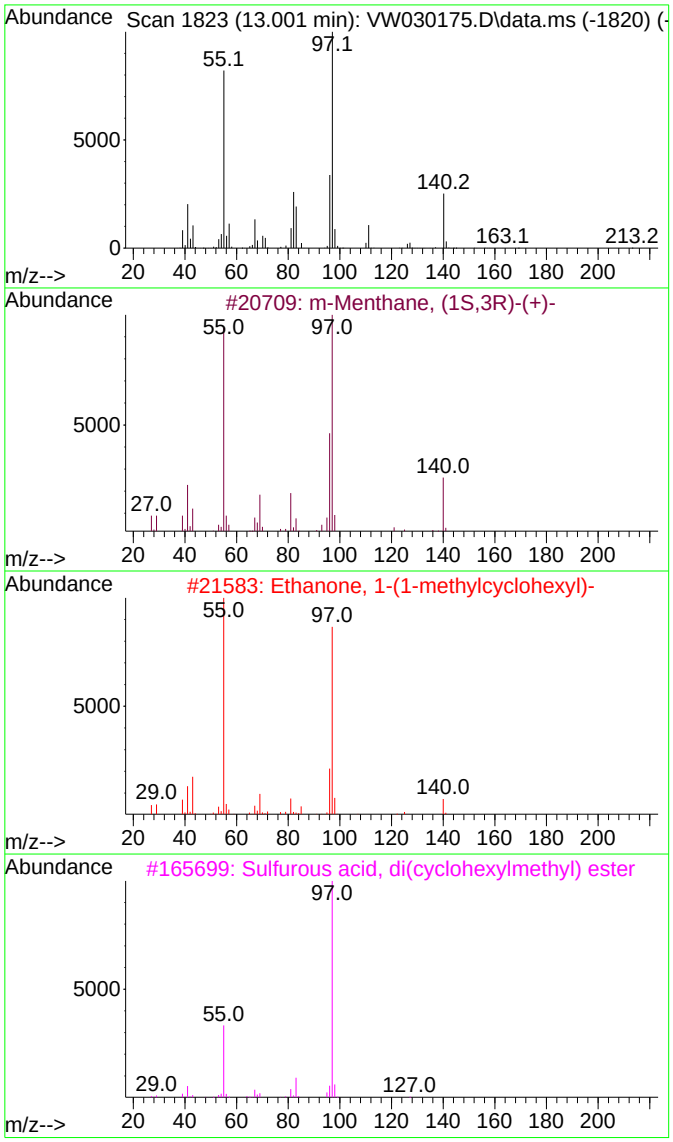
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

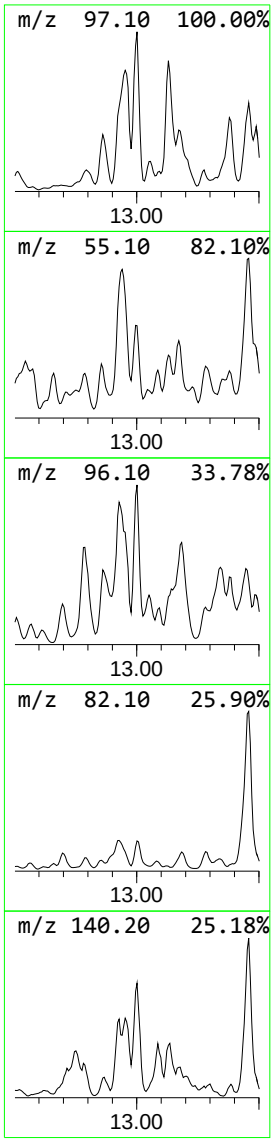
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.001	4.39 ug/L	3515620	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	58
2	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	53
3	Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1010309-22-7	53
4	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

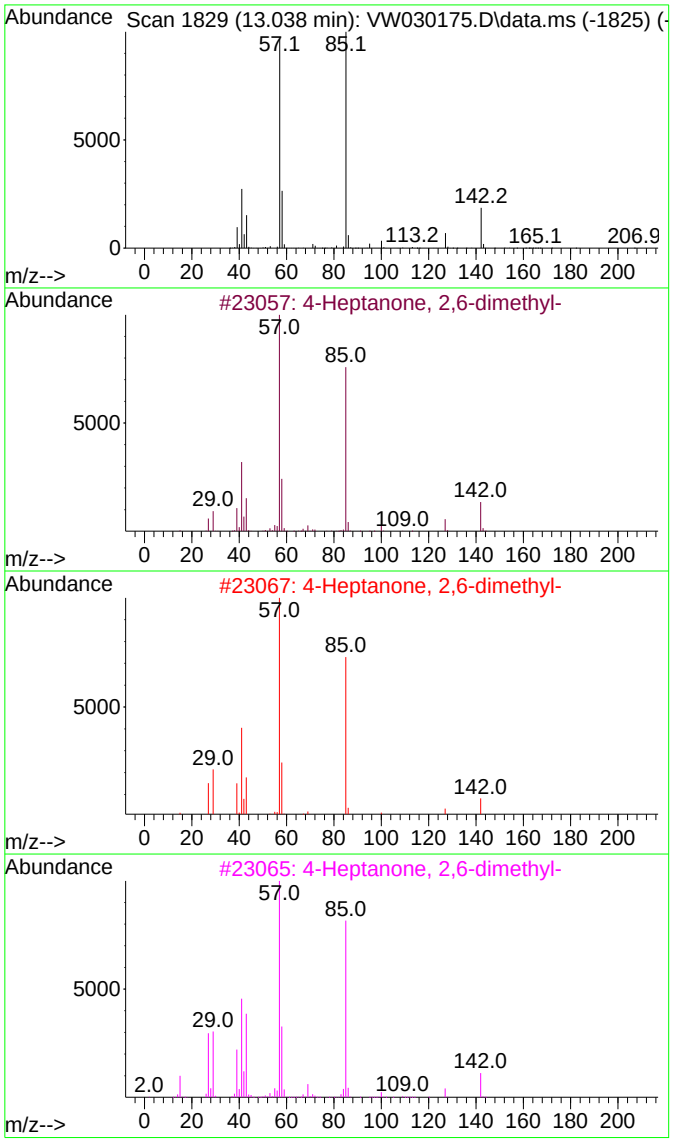
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

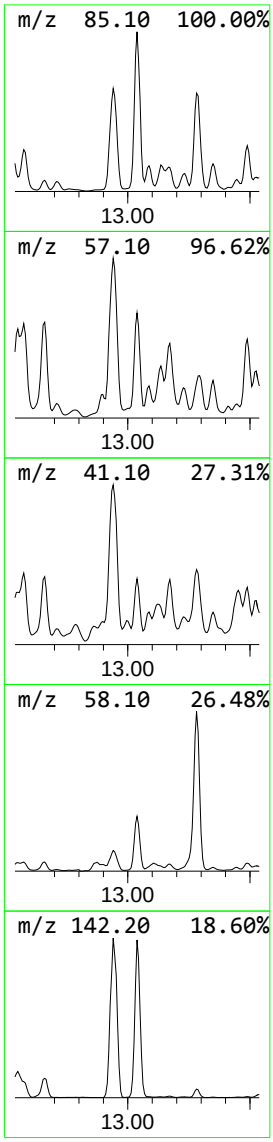
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 4-Heptanone, 2,6-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.038	24.64 ug/L	19717200	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
3	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	83
4	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	83
5	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

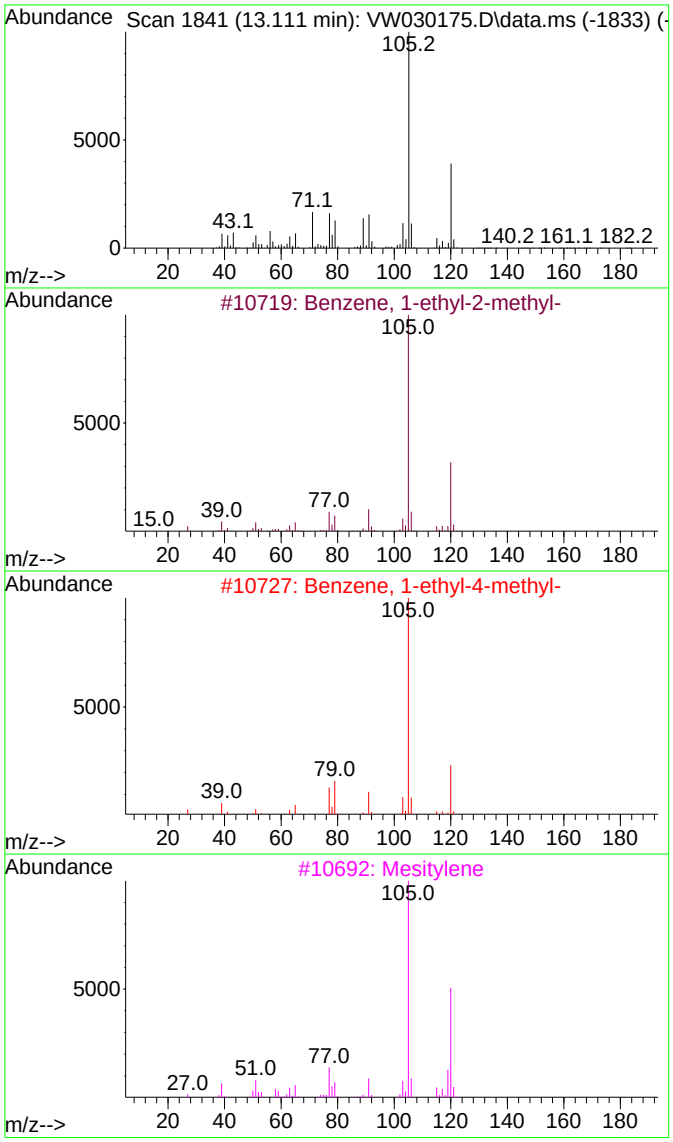
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

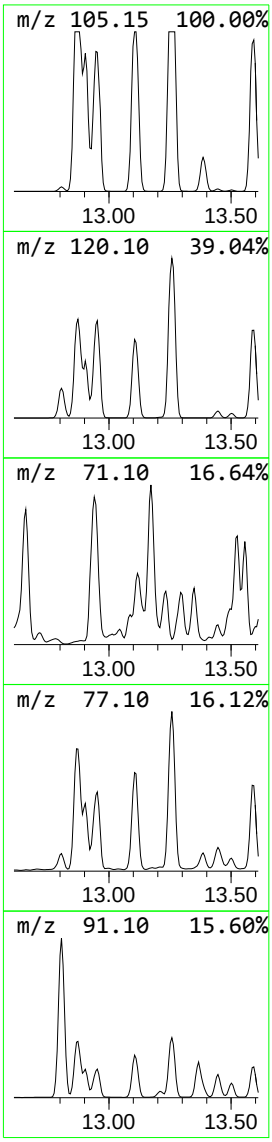
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.111	91.62 ug/L	73308000	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

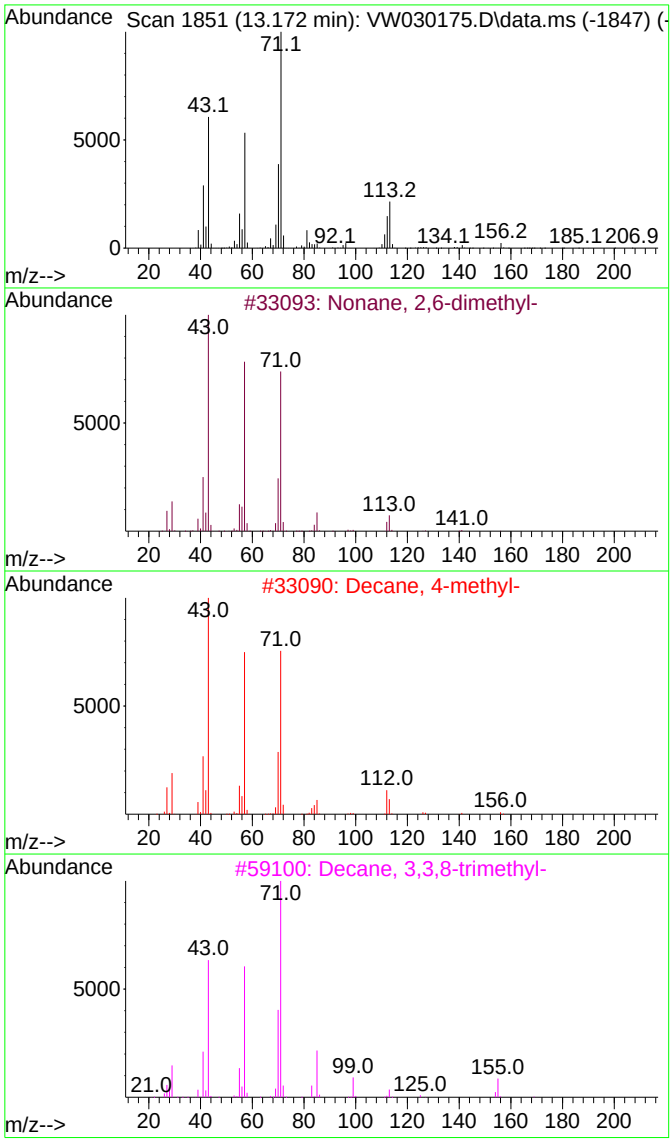
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

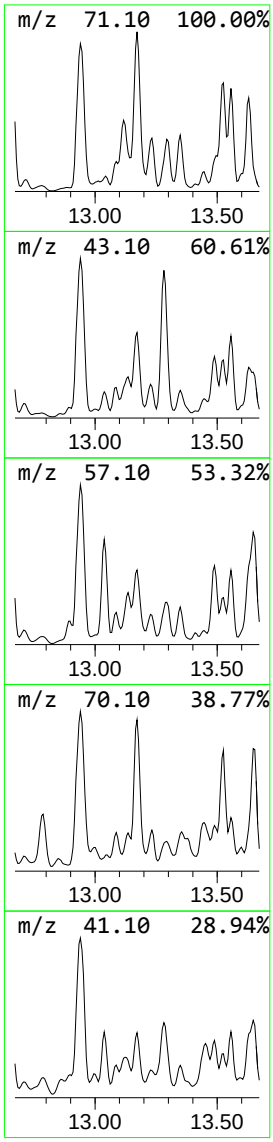
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.172	33.25 ug/L	26604600	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
2	Decane, 4-methyl-	156	C11H24	002847-72-5	64
3	Decane, 3,3,8-trimethyl-	184	C13H28	062338-16-3	59
4	Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	59
5	Decane, 2,8,8-trimethyl-	184	C13H28	1000060-81-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

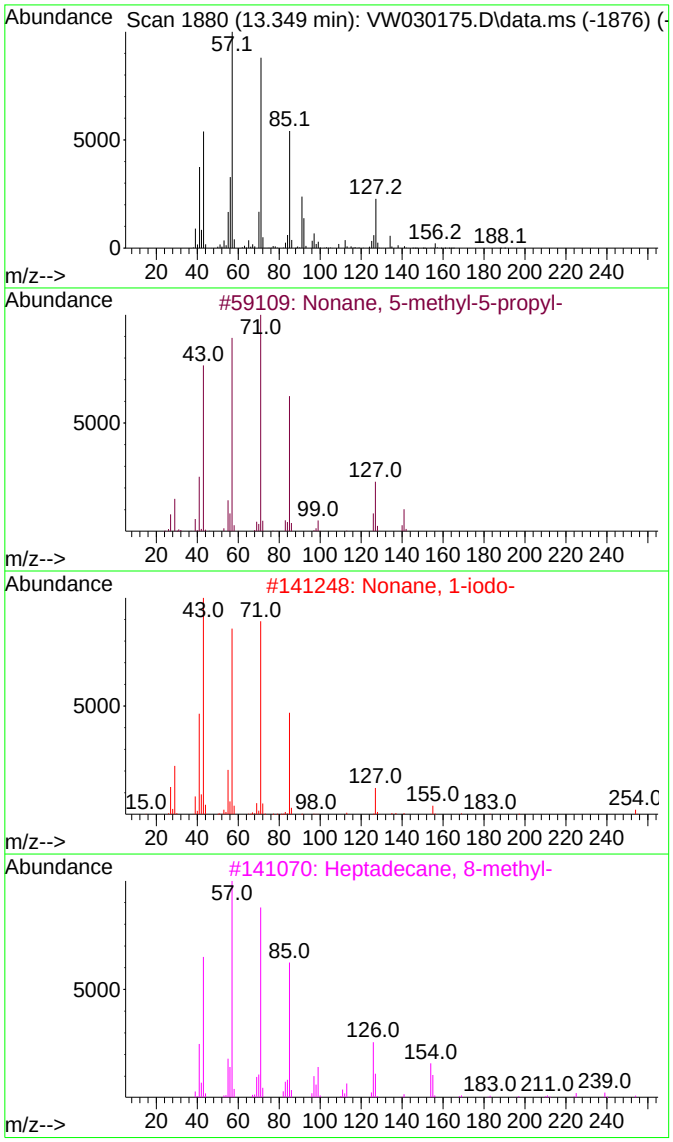
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

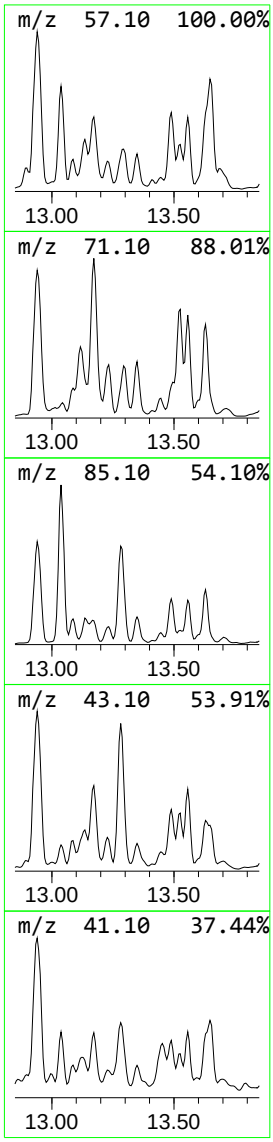
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.349	15.26 ug/L	12208300	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	59
2	Nonane, 1-iodo-	254	C9H19I	004282-42-2	59
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	53
4	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	50
5	Decane, 3-methyl-	156	C11H24	013151-34-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

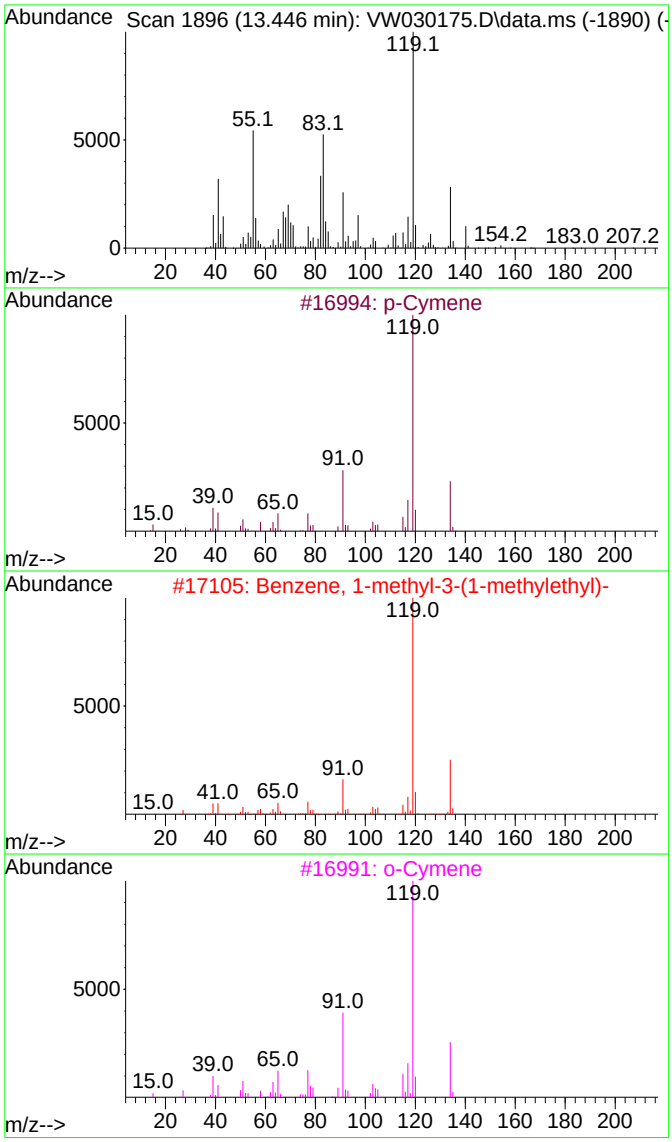
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

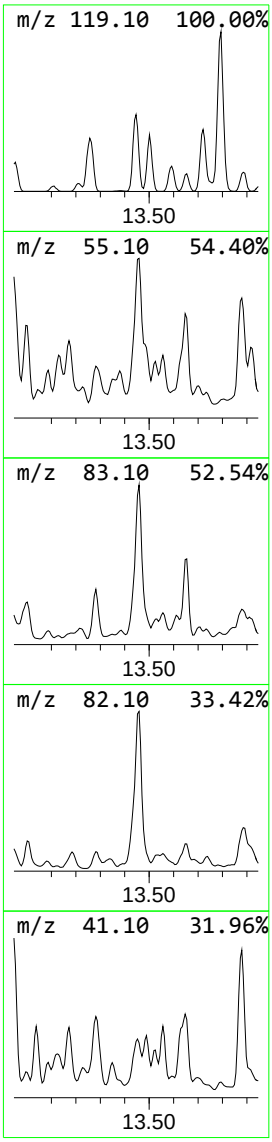
****

Peak Number 42 p-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.446	50.15 ug/L	40125800	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
3	o-Cymene	134	C10H14	000527-84-4	90
4	o-Cymene	134	C10H14	000527-84-4	87
5	p-Cymene	134	C10H14	000099-87-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

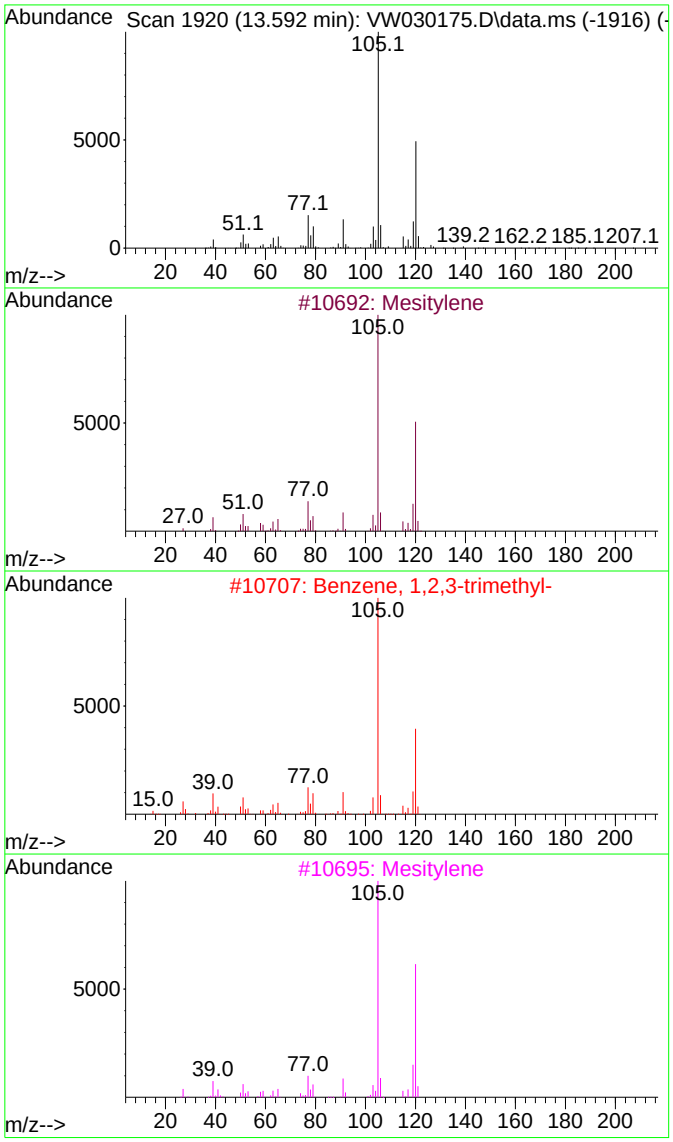
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

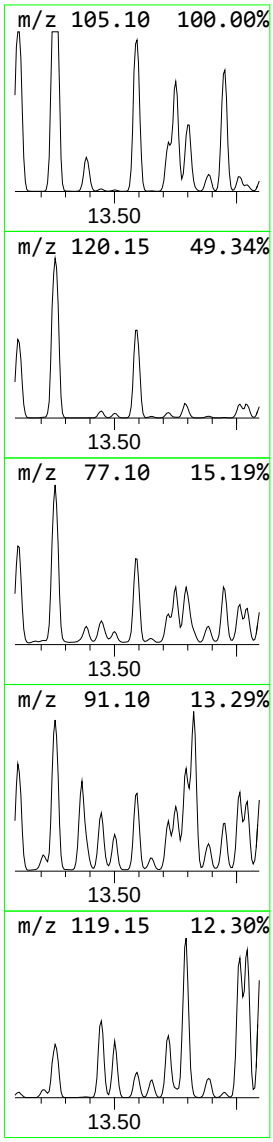
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1,2,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.592	48.29 ug/L	38638900	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

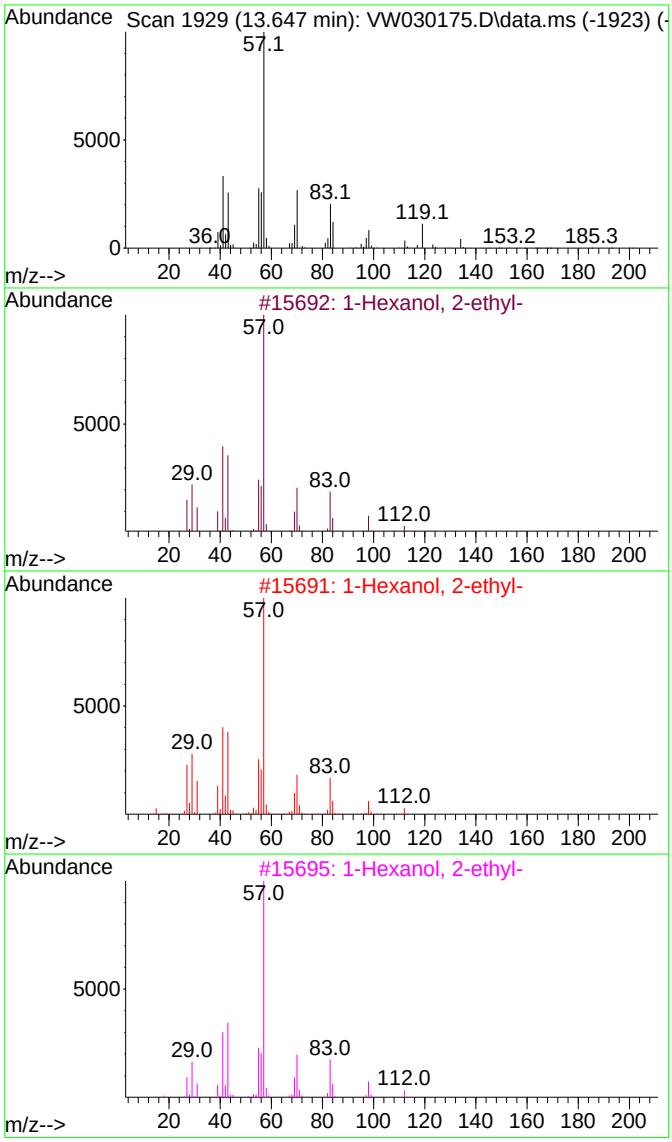
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

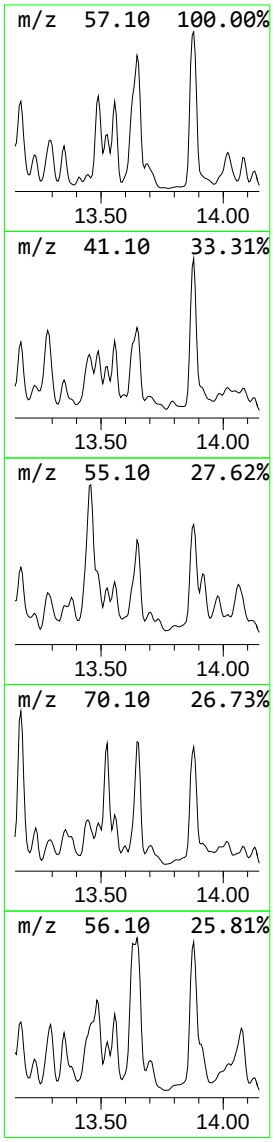
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 1-Hexanol, 2-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.647	50.63 ug/L	40509400	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

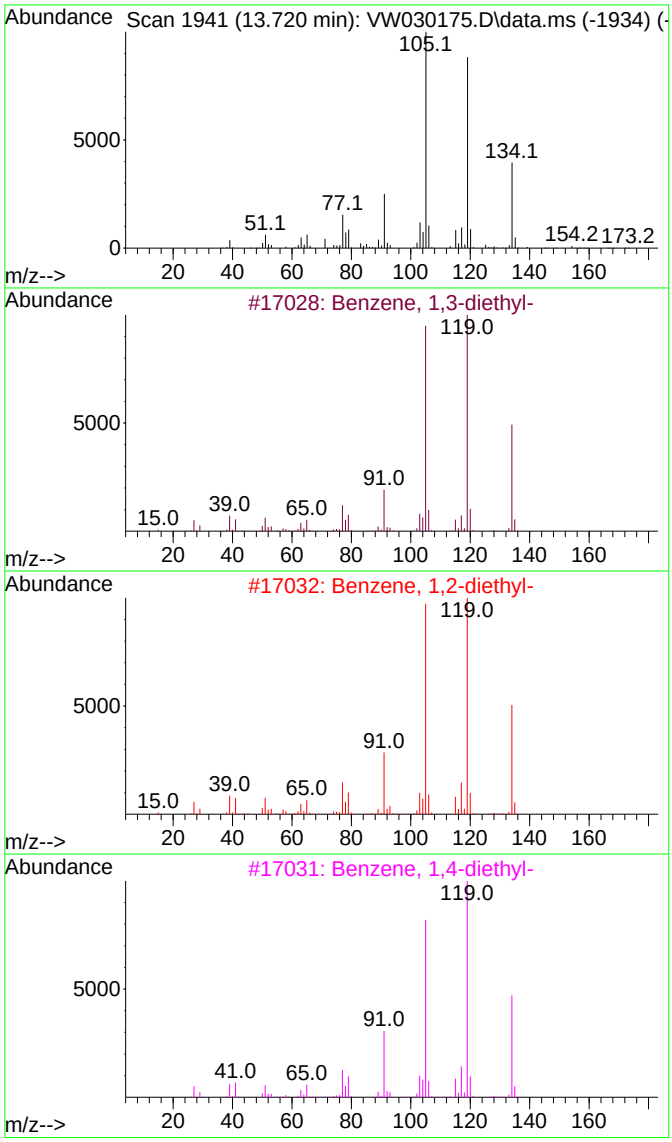
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

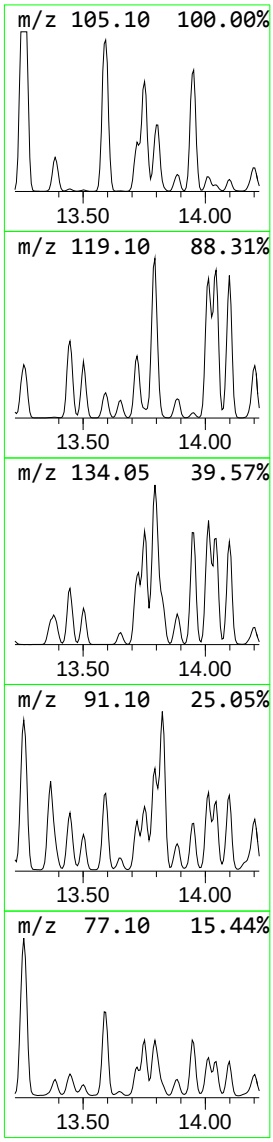
****

Peak Number 45 Benzene, 1,3-diethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.720	21.61 ug/L	17288800	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

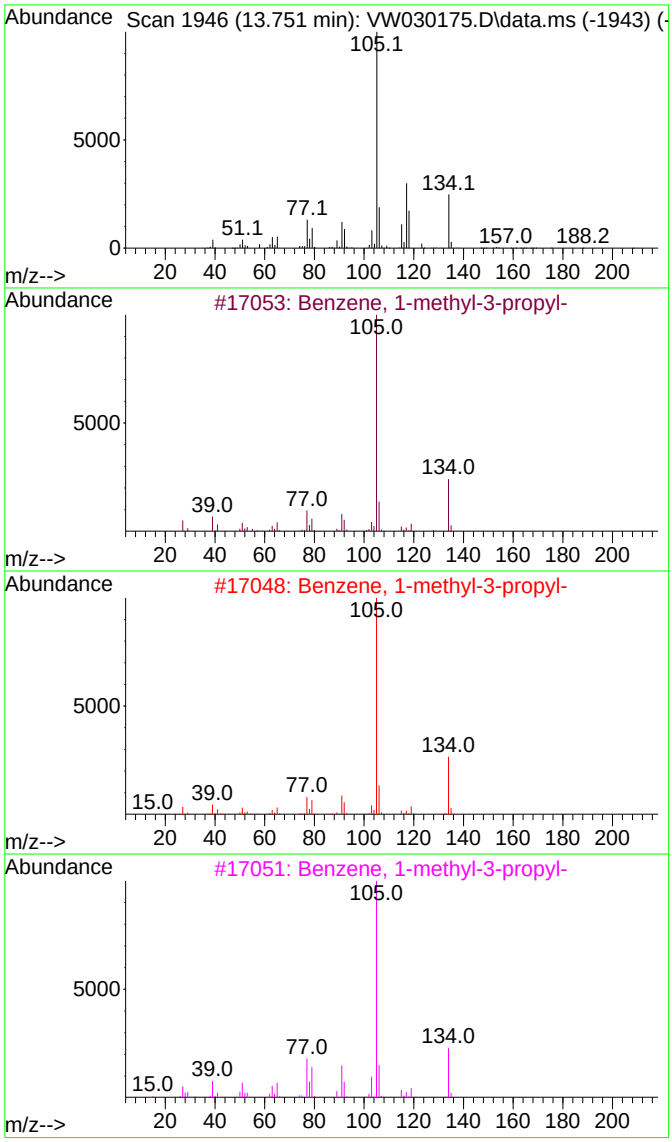
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

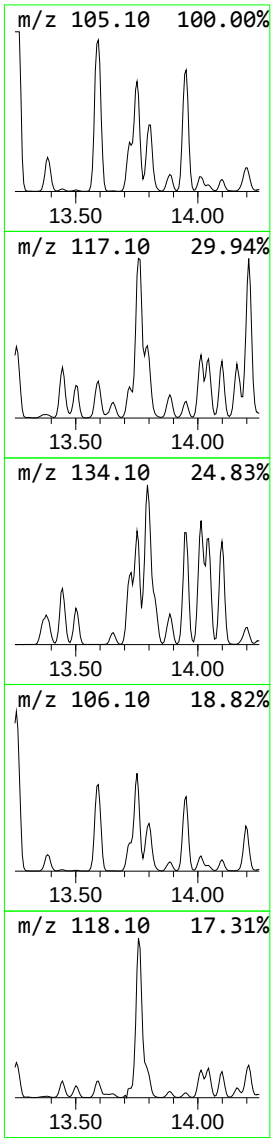
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1-methyl-3-propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	25.84 ug/L	20676800	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	58
4	2-Indanol	134	C9H10O	004254-29-9	52
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

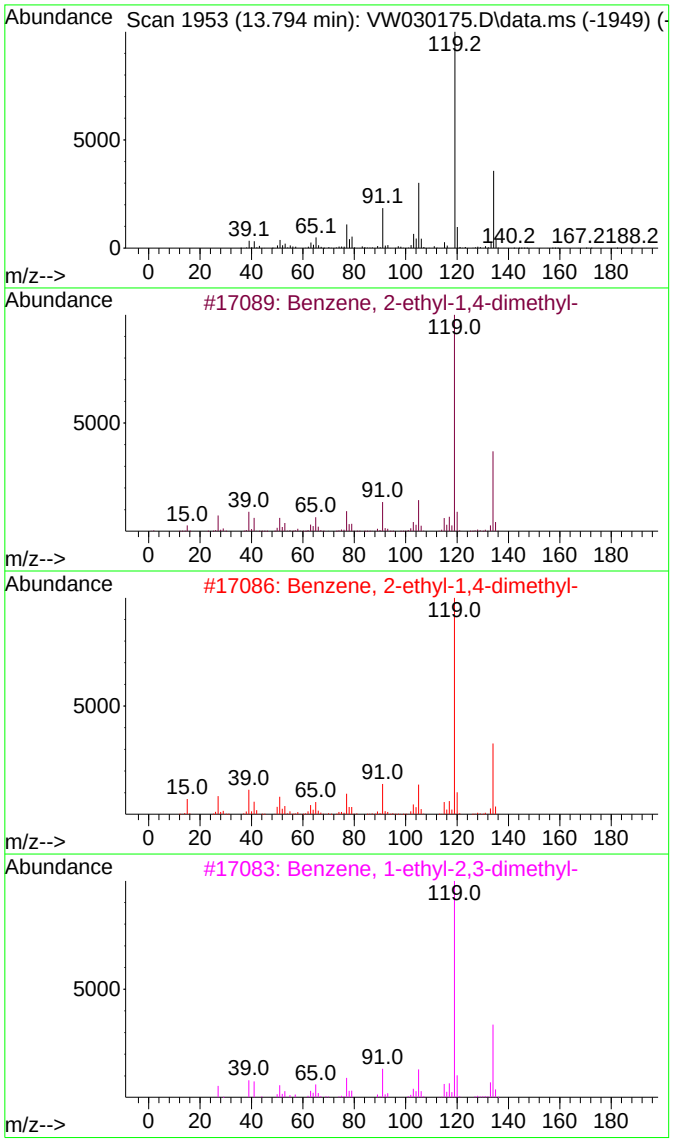
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

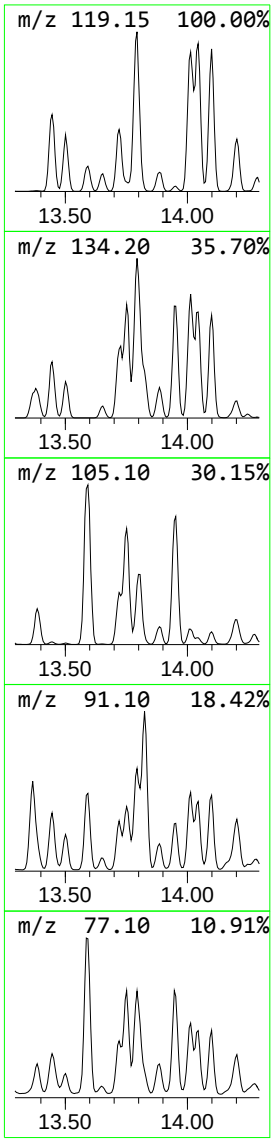
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.794	47.54 ug/L	38036800	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

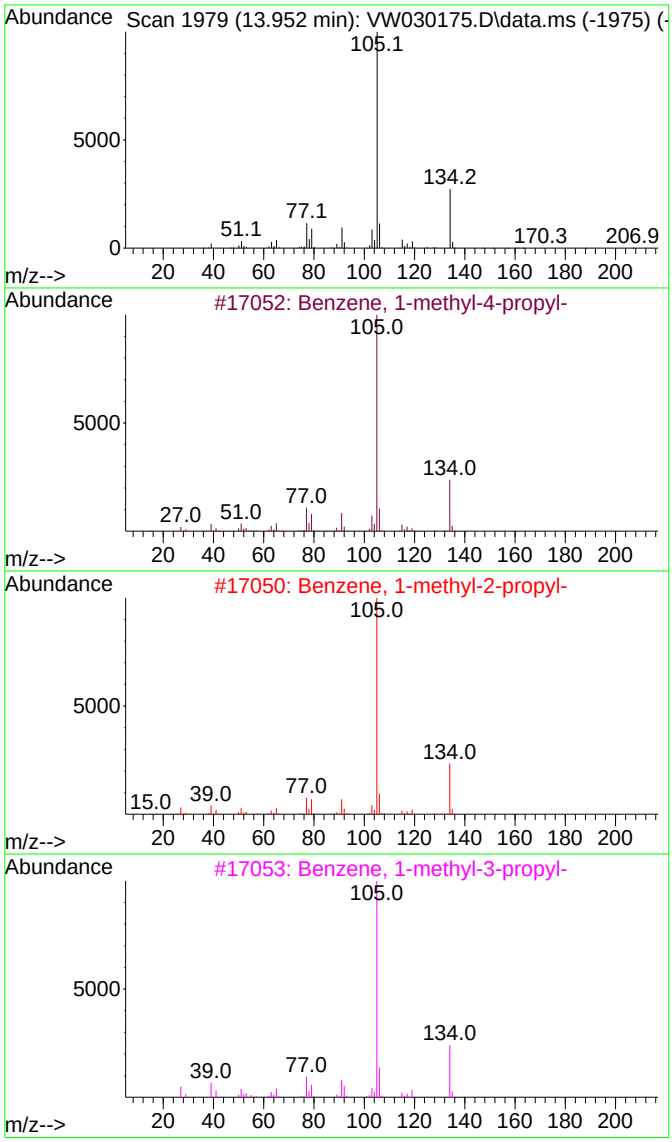
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

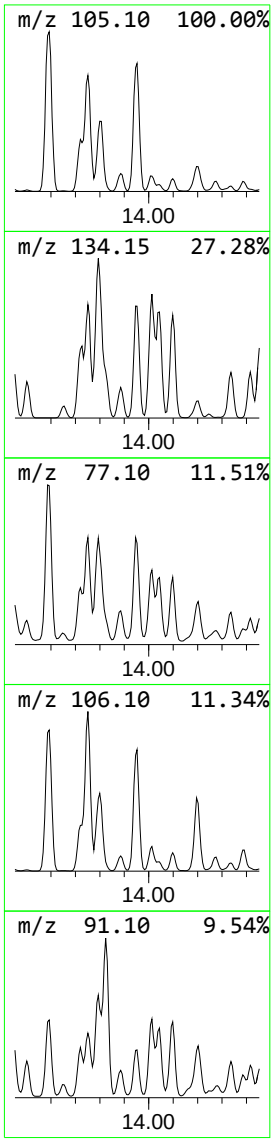
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1-methyl-2-propyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.952	24.32 ug/L	19460800	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

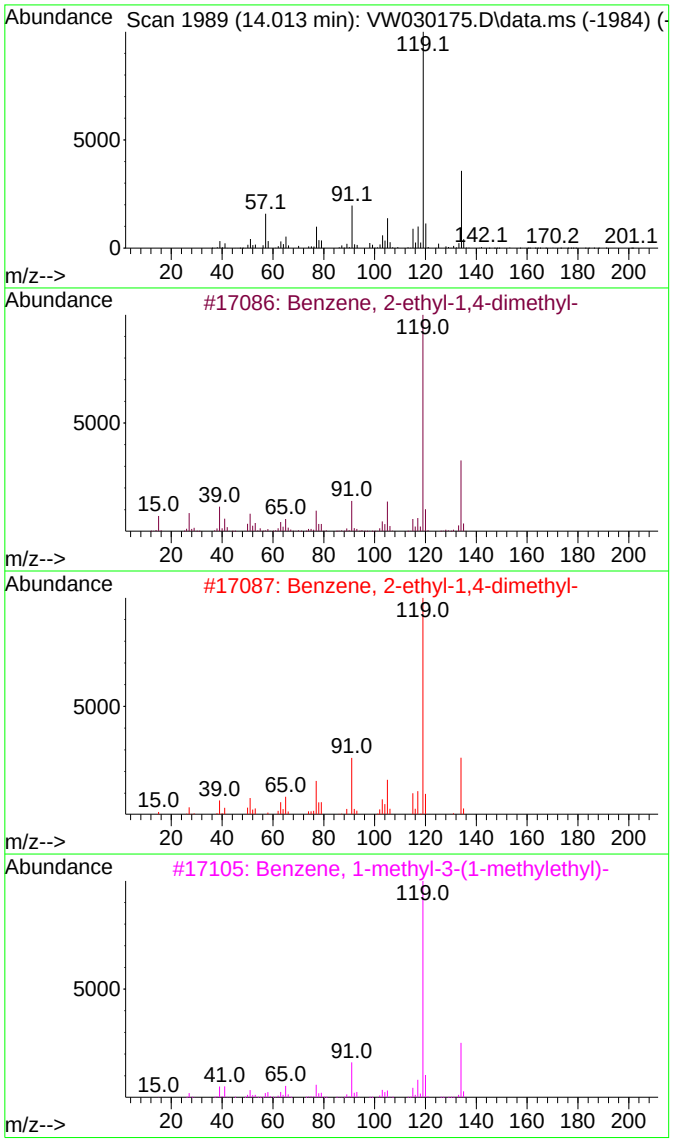
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

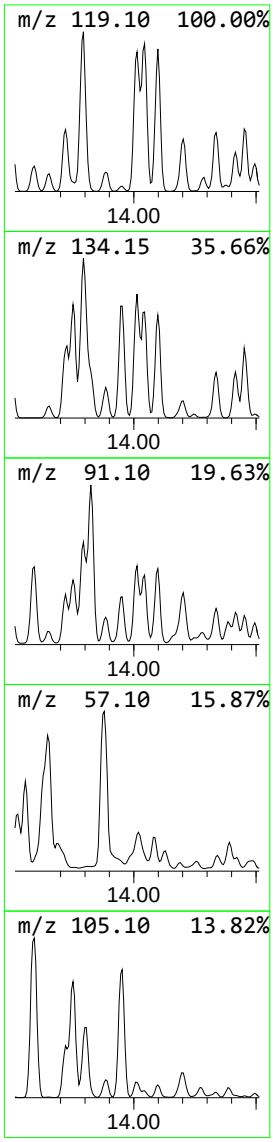
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1-methyl-3-(1-meth... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.013	33.98 ug/L	27186600	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

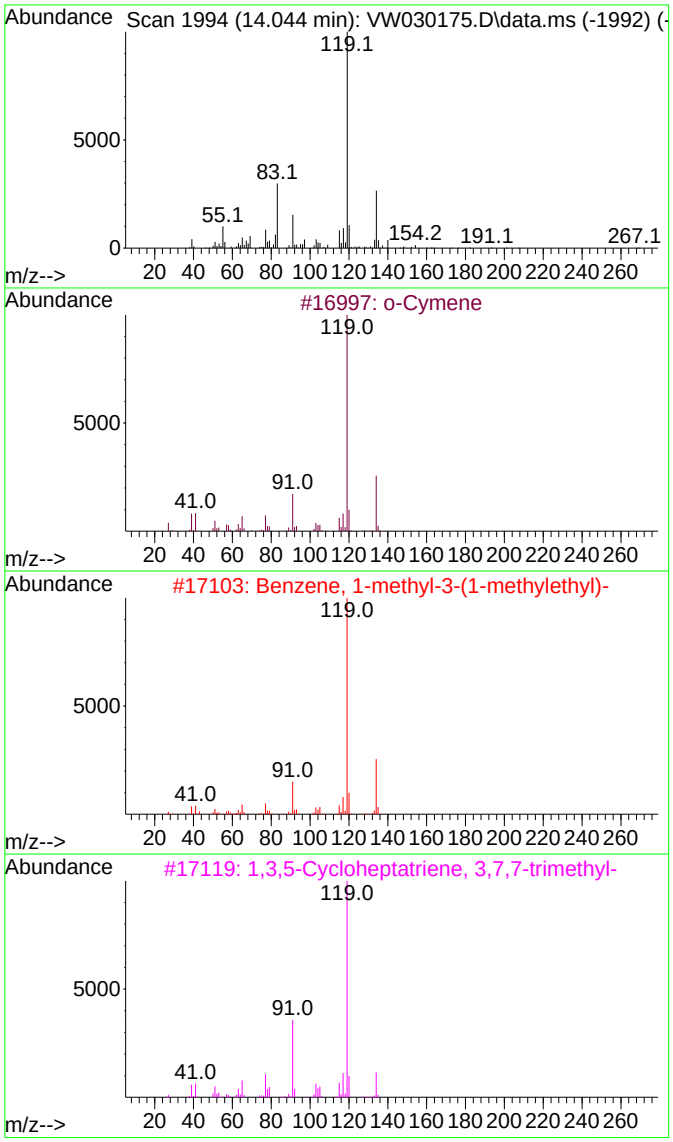
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

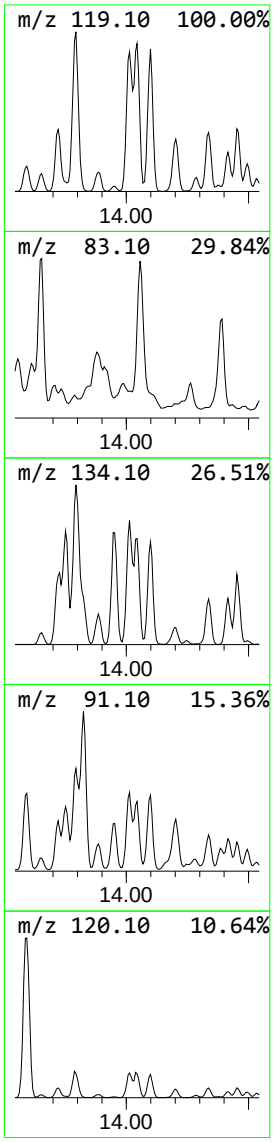
****

Peak Number 50 o-Cymene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.044	21.57 ug/L	17258600	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

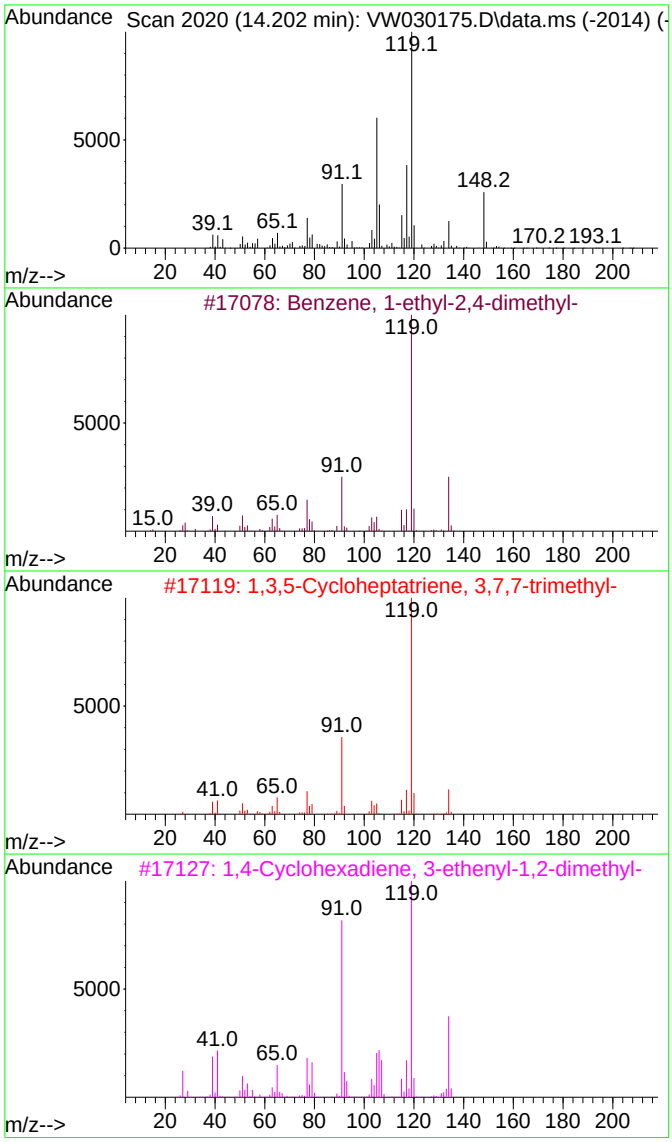
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

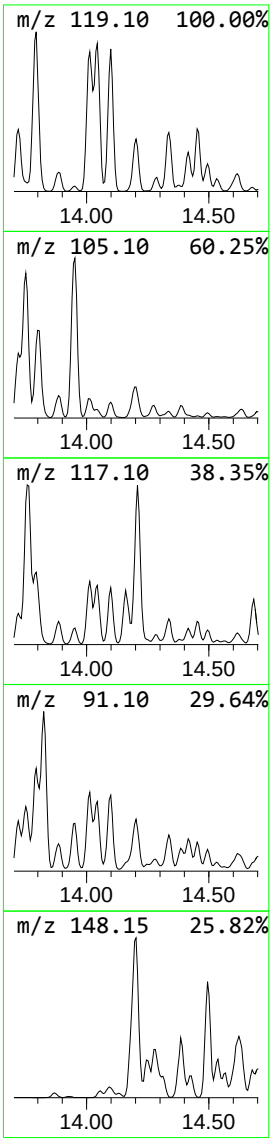
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	19.97 ug/L	15974700	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
2	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	60
3	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	58
4	p-Cymene	134	C10H14	000099-87-6	55
5	o-Cymene	134	C10H14	000527-84-4	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

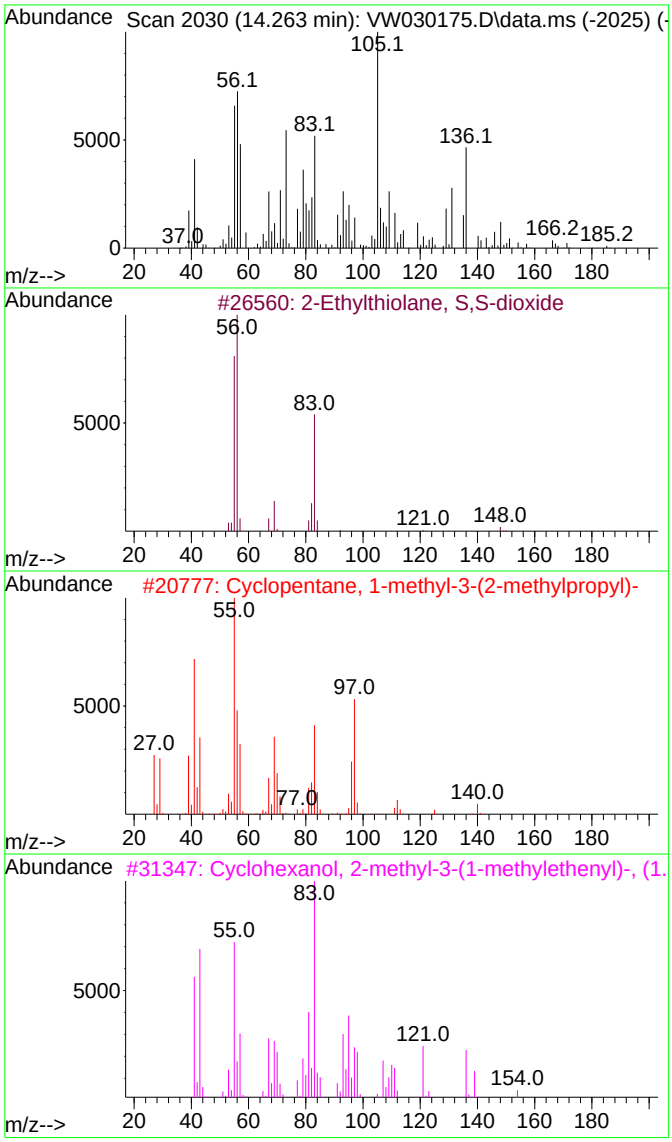
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

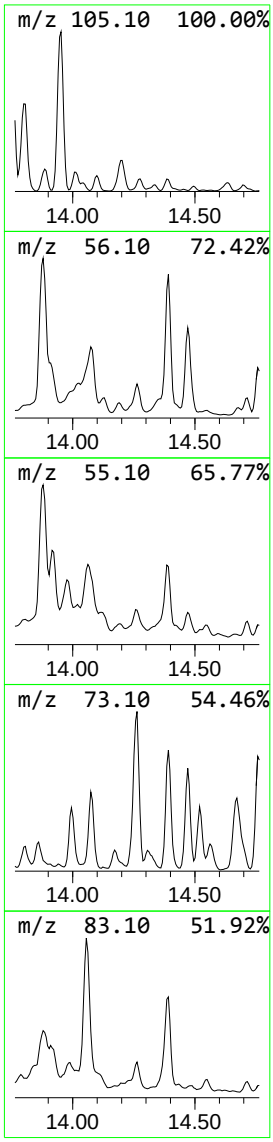
****

Peak Number 53 unknown-01 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	10.62 ug/L	8496280	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethylthiolane, S,S-dioxide	148	C6H12O2S	010178-59-3	30
2	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	25
3	Cyclohexanol, 2-methyl-3-(1-meth...	154	C10H18O	054244-81-4	18
4	Tricyclo[4.2.1.0(3,7)]nonane-3,8...	154	C9H14O2	106435-09-0	16
5	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

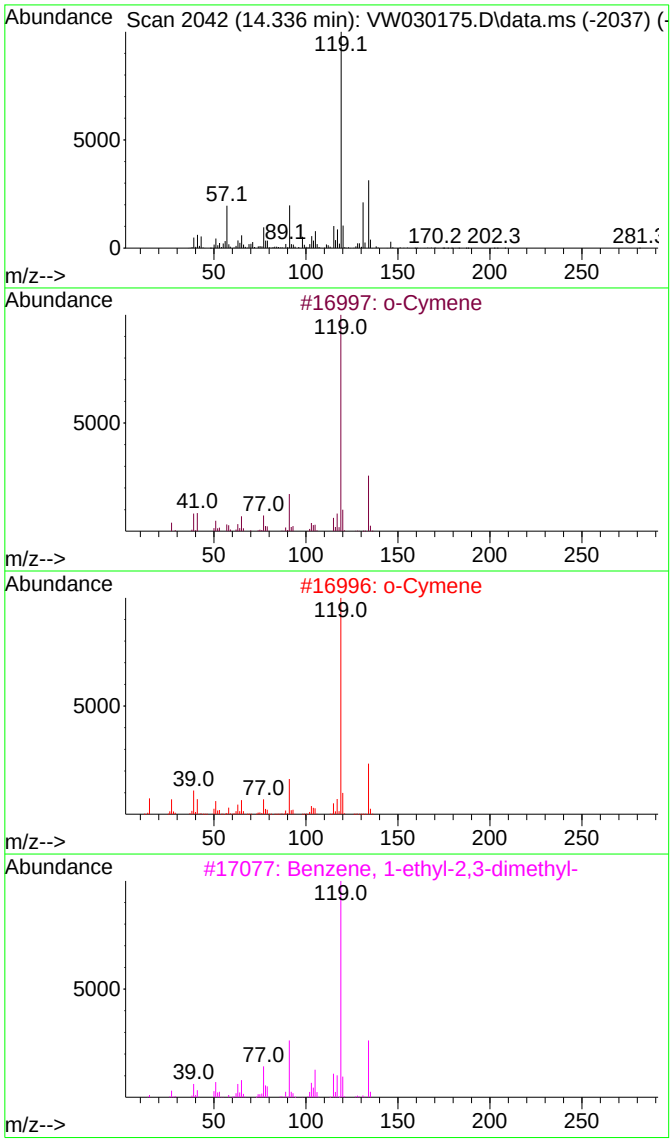
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

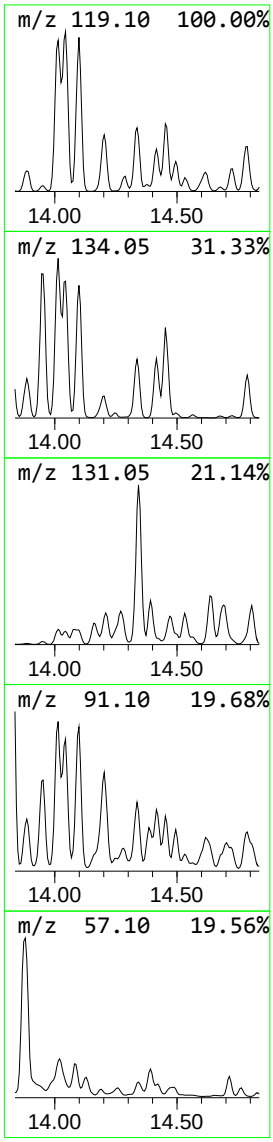
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	16.24 ug/L	12995100	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

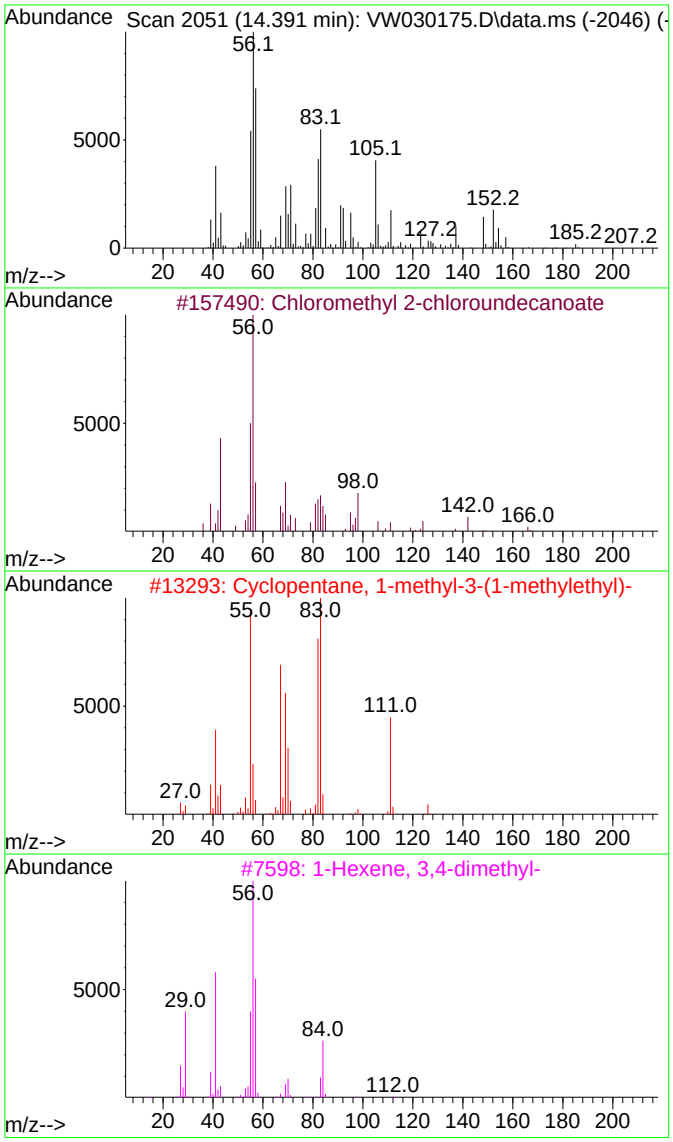
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

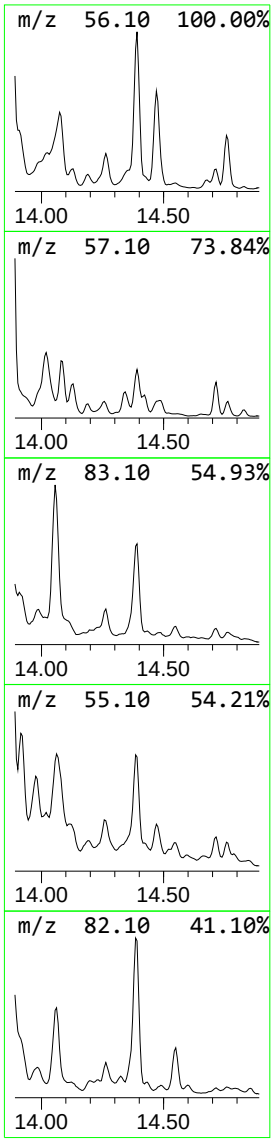
****

Peak Number 55 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.391	18.62 ug/L	14895700	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chloromethyl 2-chloroundecanoate	268	C12H22Cl2O2	080418-88-8	43
2	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	30
3	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	27
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	27
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

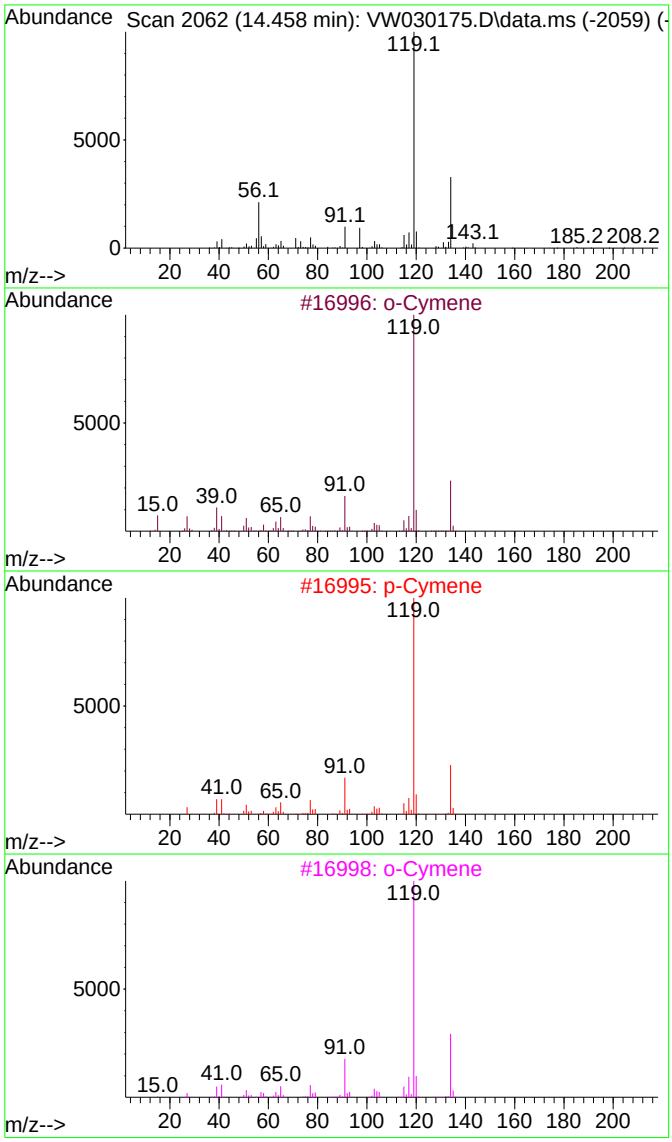
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

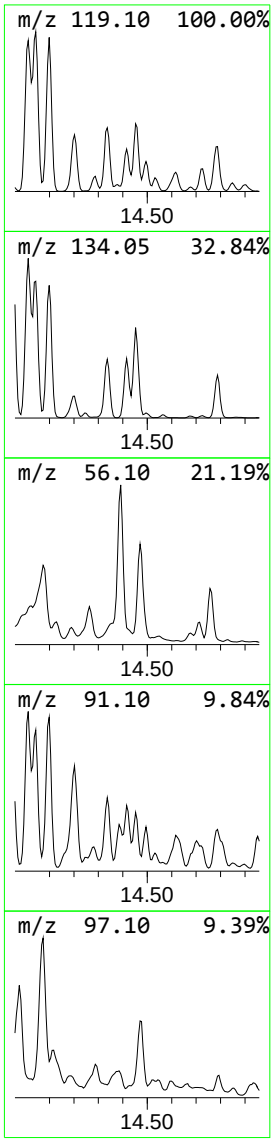
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.458	5.41 ug/L	4326390	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	76
2	p-Cymene	134	C10H14	000099-87-6	76
3	o-Cymene	134	C10H14	000527-84-4	76
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

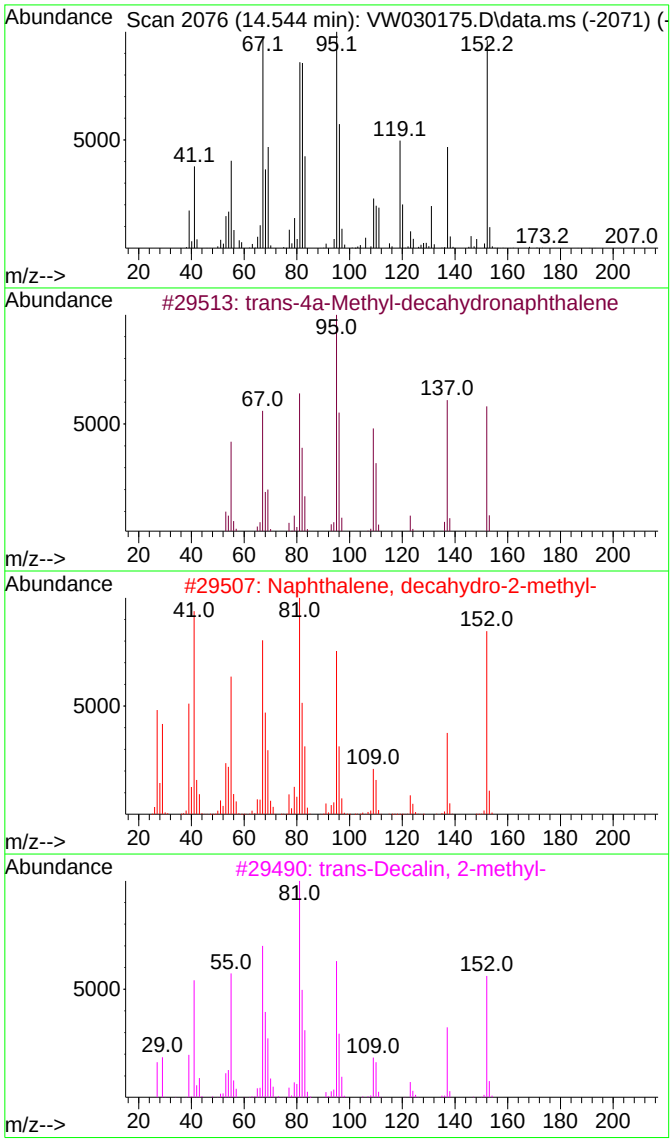
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

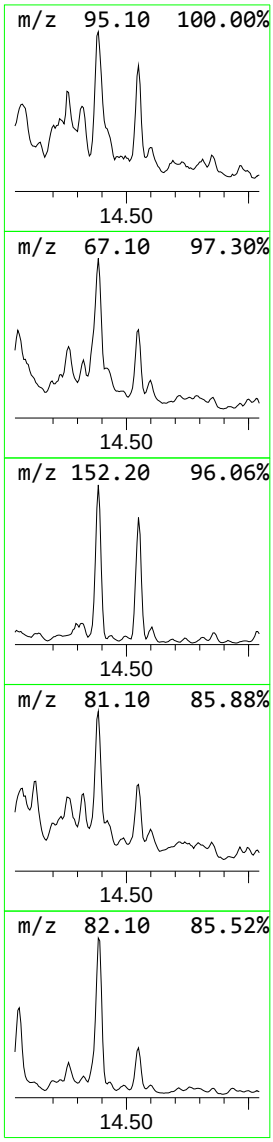
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 trans-4a-Methyl-decahydrona... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.544	7.20 ug/L	5760120	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	83
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	60
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

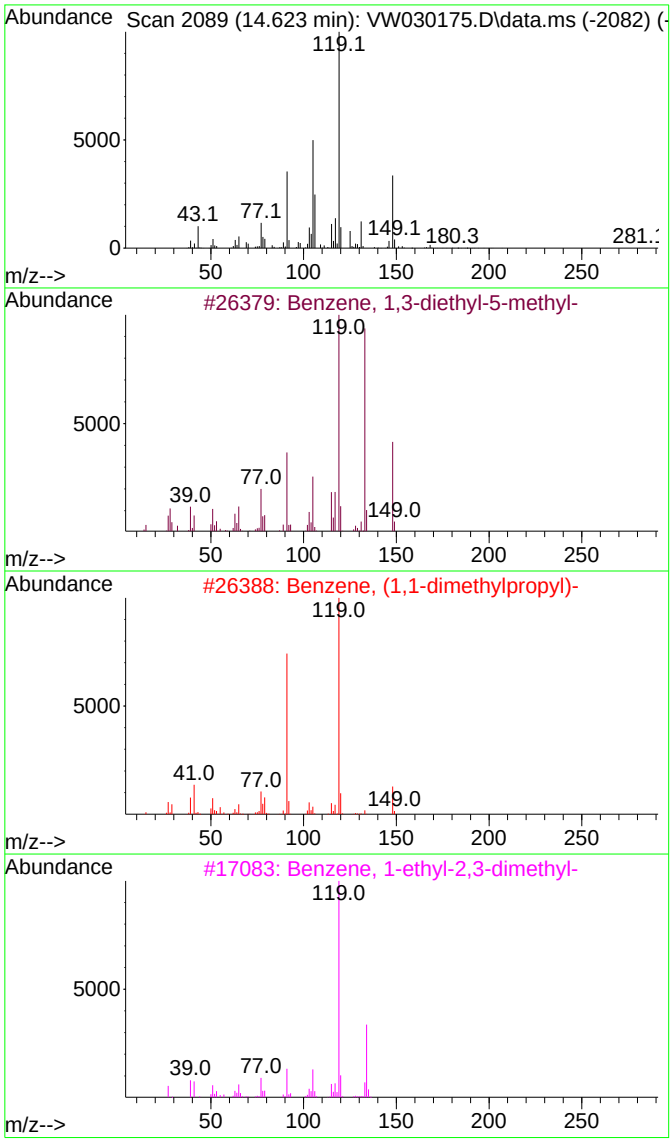
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

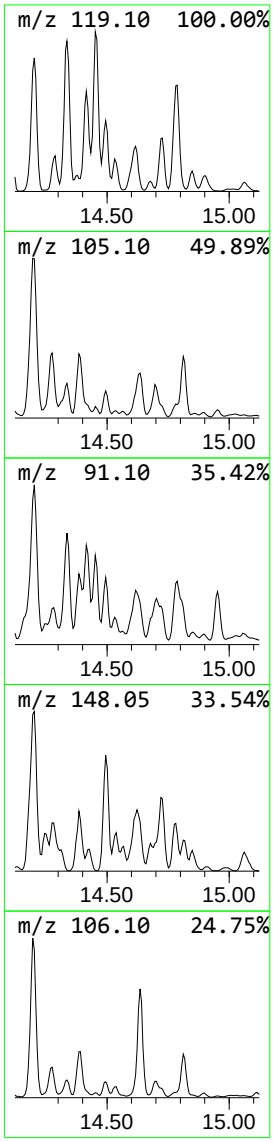
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.623	6.75 ug/L	5401960	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	53
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	52
5	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

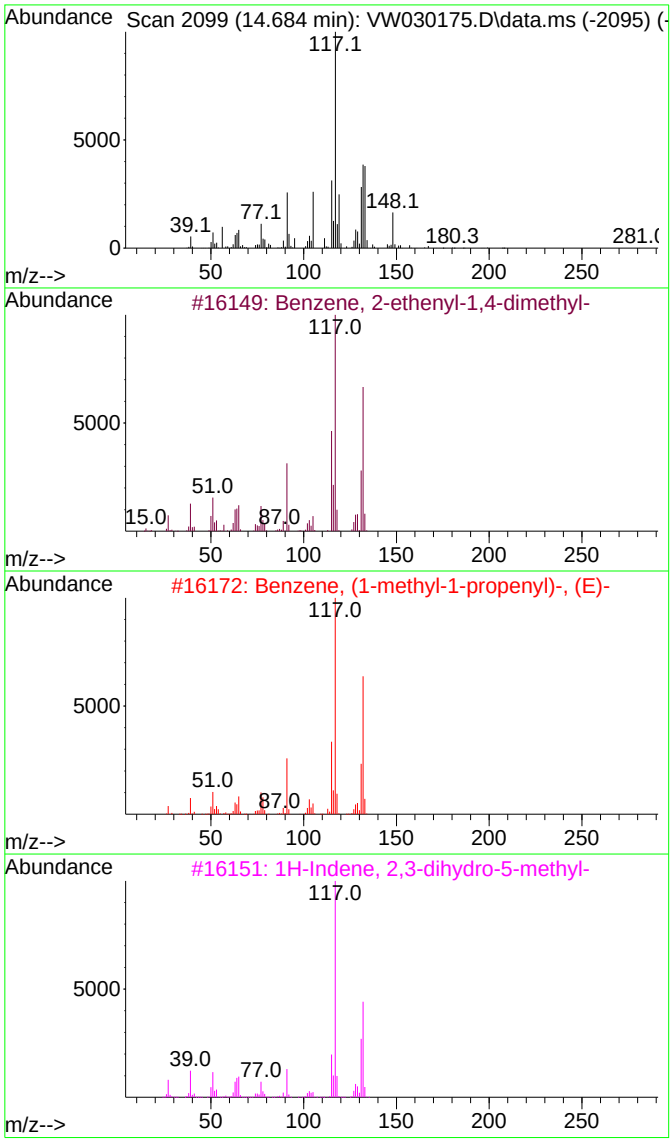
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

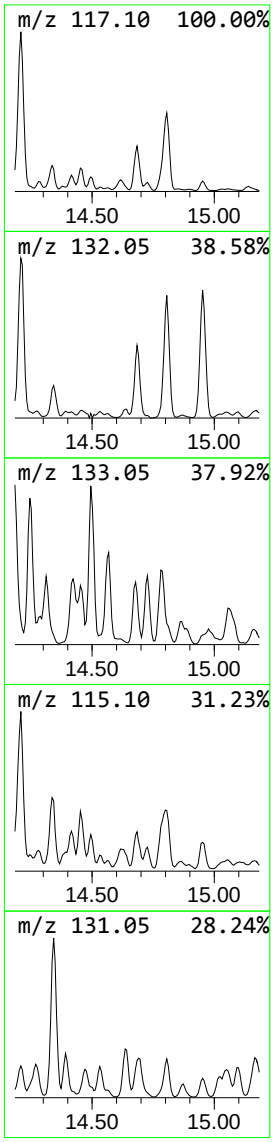
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	2.69 ug/L	2152220	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

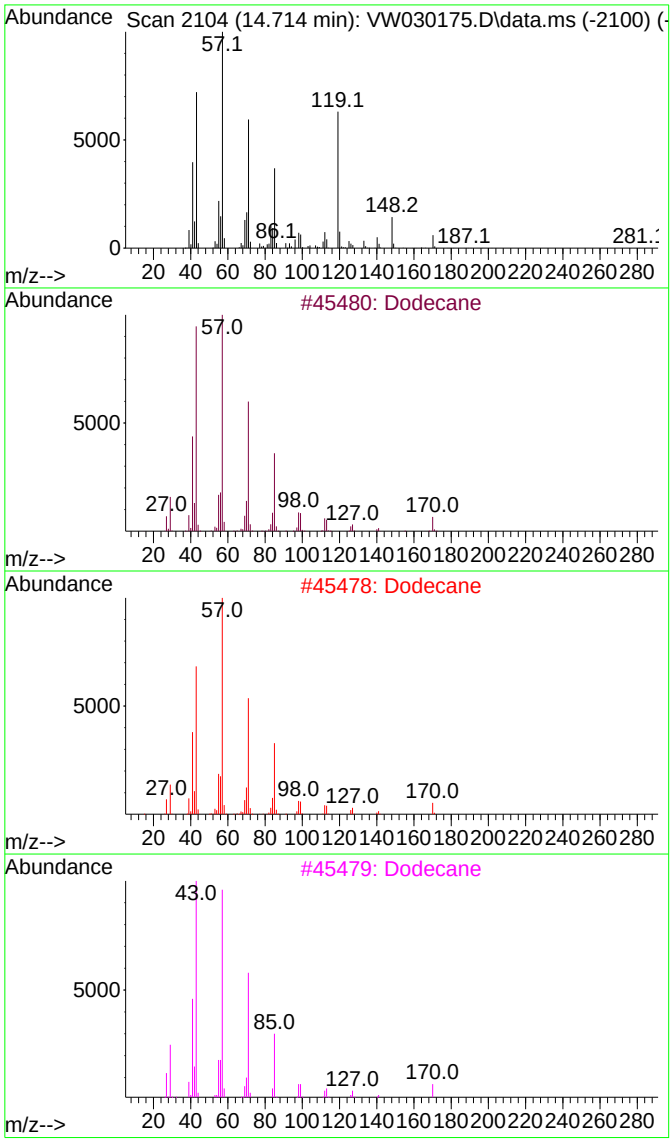
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

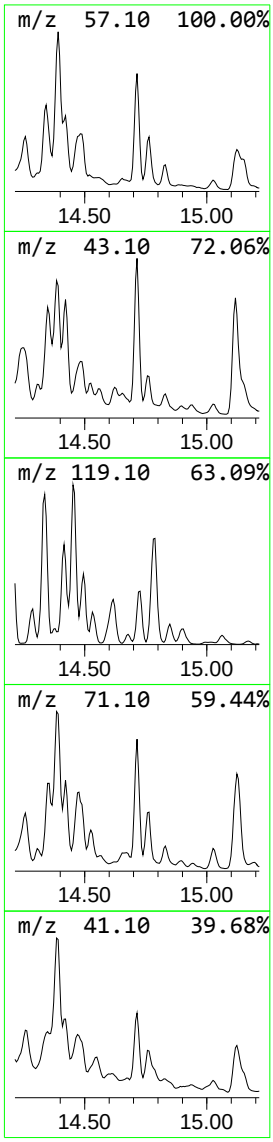
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.714	10.46 ug/L	8366890	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	92
2	Dodecane	170	C12H26	000112-40-3	91
3	Dodecane	170	C12H26	000112-40-3	60
4	Dodecane	170	C12H26	000112-40-3	60
5	Tetradecane	198	C14H30	000629-59-4	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

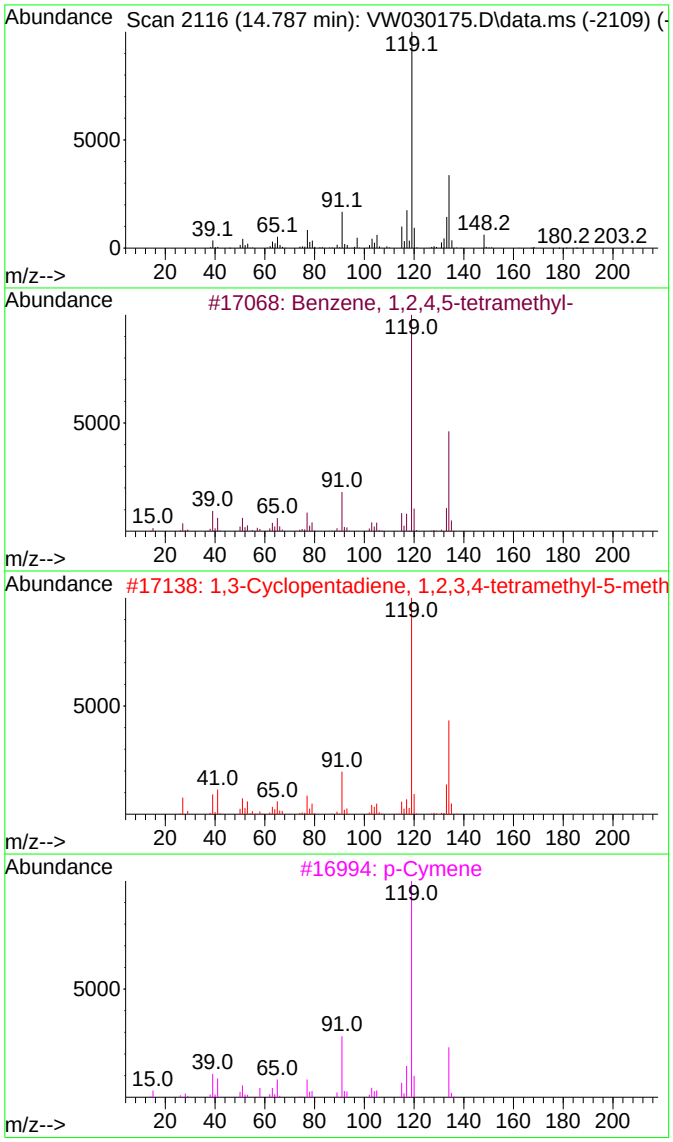
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

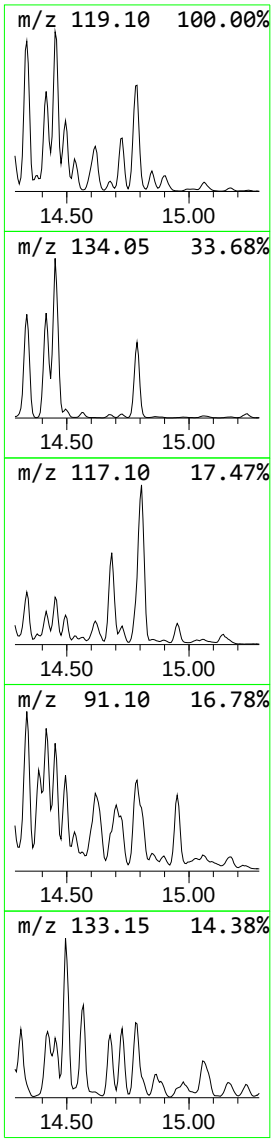
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	15.87 ug/L	12698200	1,4-Dichlorobenzene-d4	13.538

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	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

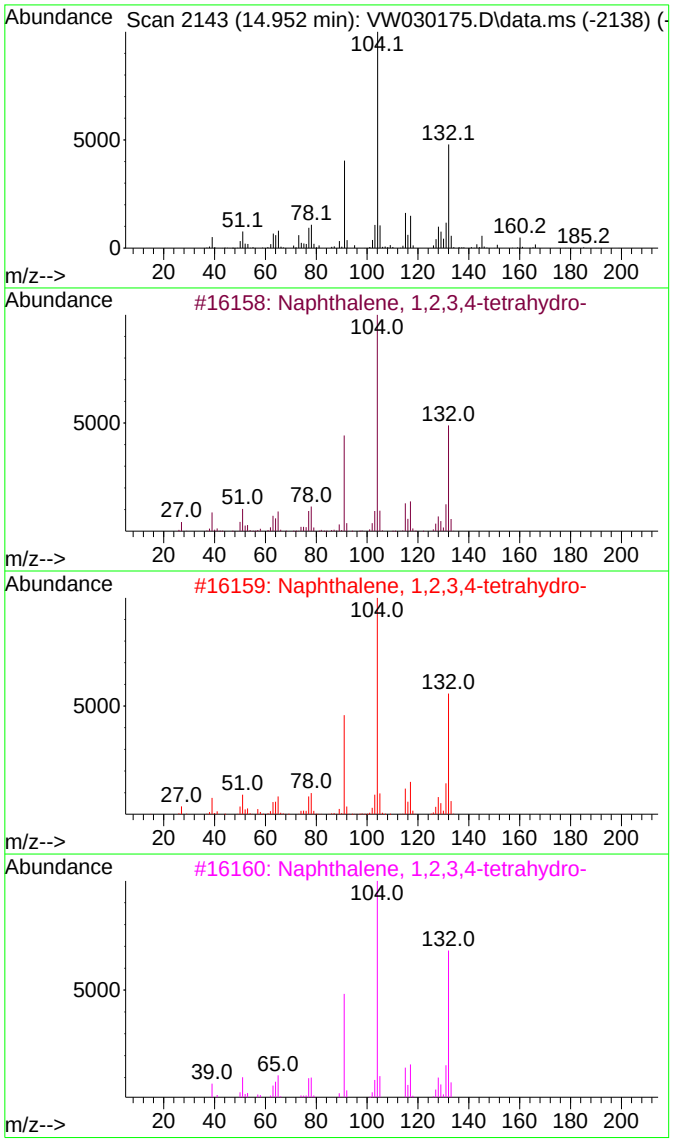
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

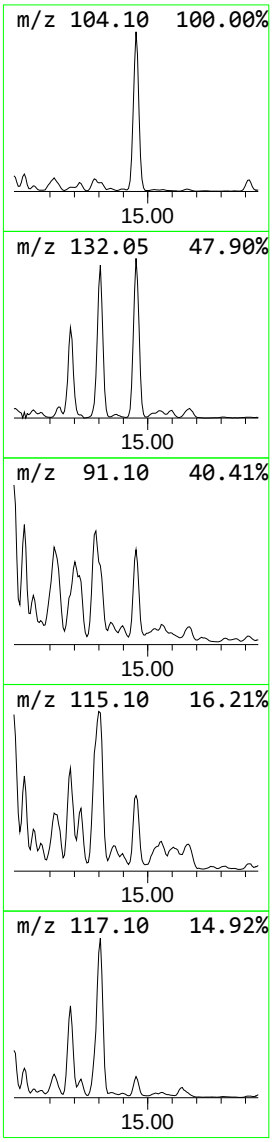
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.952	4.32 ug/L	3457120	1,4-Dichlorobenzene-d4	13.538

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	95
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

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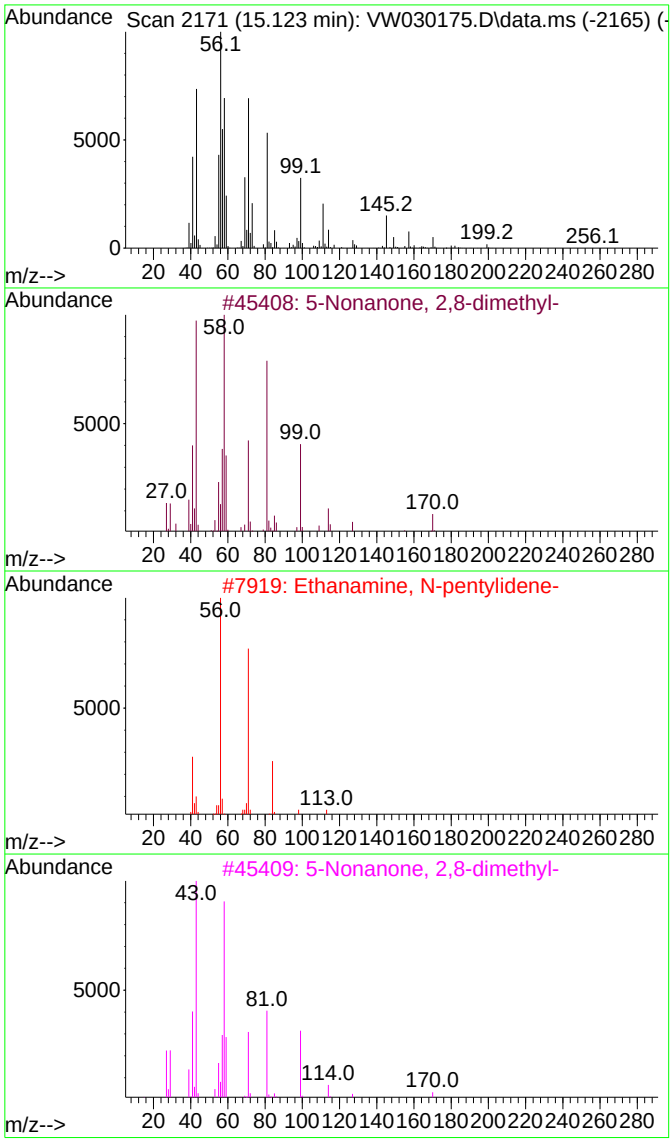
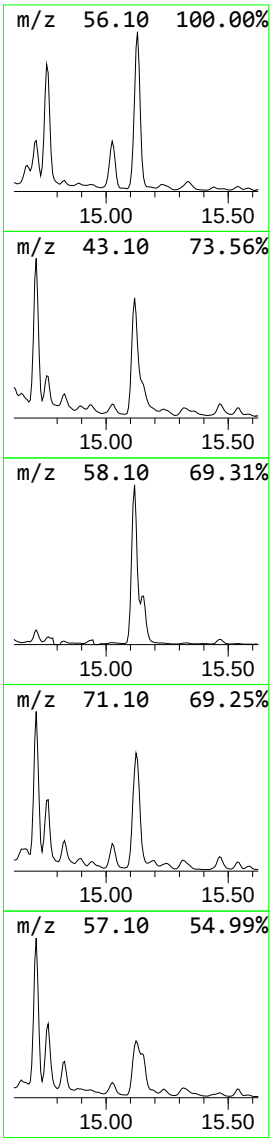
Peak Number 64 unknown-03 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.123	13.56 ug/L	10852800	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Nonanone, 2,8-dimethyl-	170	C11H22O	002050-99-9	46
2	Ethanamine, N-pentylidene-	113	C7H15N	010599-76-5	35
3	5-Nonanone, 2,8-dimethyl-	170	C11H22O	002050-99-9	30
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	27
5	(Trimethylsilyl)diazomethane	114	C4H10N2Si	018107-18-1	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

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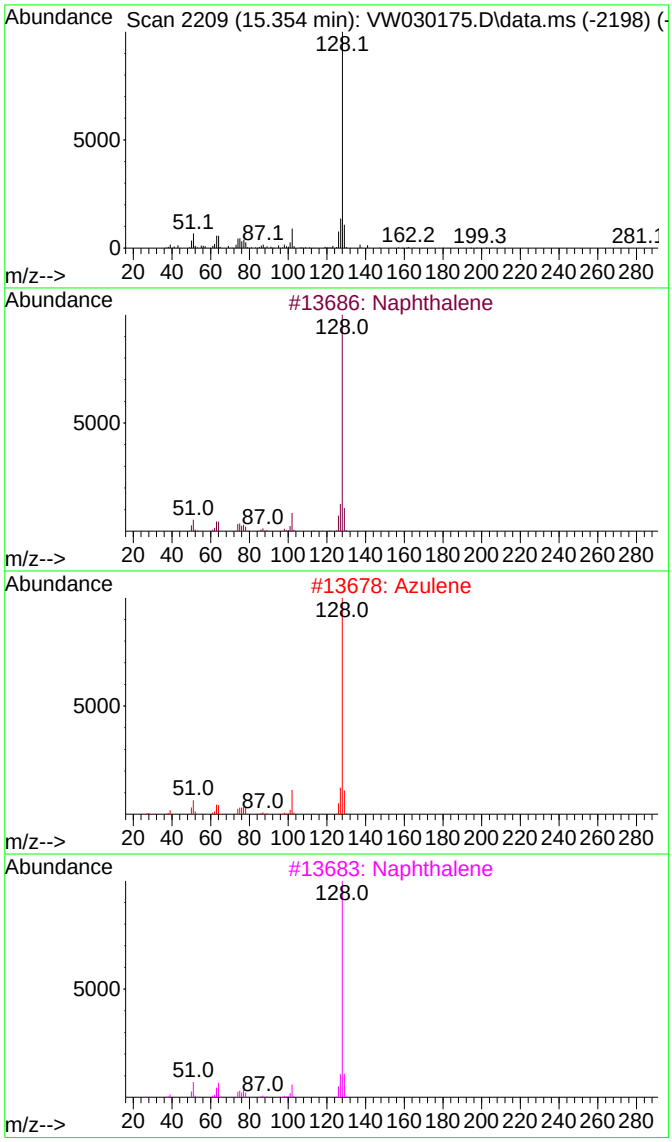
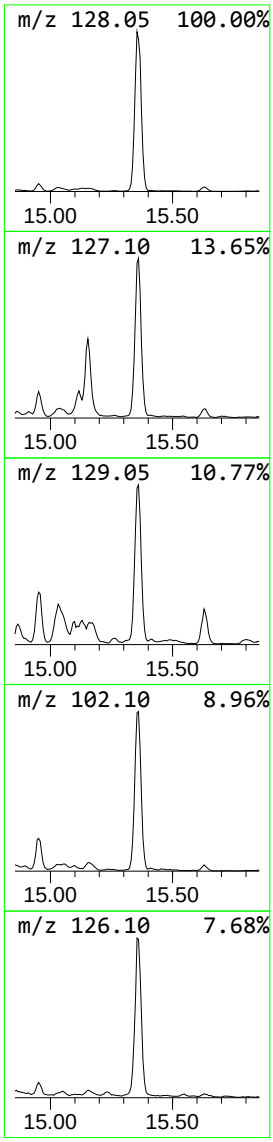
Peak Number 65 Azulene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.354	6.81 ug/L	5448580	1,4-Dichlorobenzene-d4	13.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	94
2	Azulene	128	C10H8	000275-51-4	94
3	Naphthalene	128	C10H8	000091-20-3	93
4	Azulene	128	C10H8	000275-51-4	90
5	Naphthalene	128	C10H8	000091-20-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030175.D
Acq On : 20 Sep 2024 15:14
Operator : SY/MD
Sample : P4024-06
Misc : 14.63g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.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
(DEL) Alkane: S...	4.960	18.2	ug/L	713556	1	8.843	981984	25.0
(DEL) Alkane: S...	5.441	9.2	ug/L	361589	1	8.843	981984	25.0
Propanal, 2-met...	5.783	83.2	ug/L	3267310	1	8.843	981984	25.0
2-Ethyl-oxetane	5.941	17.6	ug/L	690991	1	8.843	981984	25.0
Butanal	6.892	468.0	ug/L	18384400	1	8.843	981984	25.0
(DEL) Alkane: C...	6.984	17.7	ug/L	696679	1	8.843	981984	25.0
(DEL) Alkane: S...	8.033	21.3	ug/L	836501	1	8.843	981984	25.0
(DEL) Alkane: S...	8.154	42.3	ug/L	1661660	1	8.843	981984	25.0
(DEL) Alkane: S...	8.484	90.6	ug/L	3559850	1	8.843	981984	25.0
(DEL) Alkane: S...	8.691	55.5	ug/L	2179380	1	8.843	981984	25.0
1-Butanol	9.026	12.1	ug/L	474020	1	8.843	981984	25.0
(DEL) Alkane: C...	9.514	7.0	ug/L	275966	1	8.843	981984	25.0
(DEL) Alkane: C...	9.605	10.7	ug/L	421452	1	8.843	981984	25.0
(DEL) Alkane: S...	9.764	46.2	ug/L	1816050	1	8.843	981984	25.0
(DEL) Alkane: S...	9.898	64.2	ug/L	2521790	1	8.843	981984	25.0
(DEL) Alkane: S...	9.959	43.2	ug/L	1696320	1	8.843	981984	25.0
(DEL) Alkane: S...	10.093	81.5	ug/L	3200650	1	8.843	981984	25.0
(DEL) Alkane: S...	10.502	11.1	ug/L	5722320	2	11.629	12894100	25.0
(DEL) Alkane: C...	10.666	2.3	ug/L	1158250	2	11.629	12894100	25.0
(DEL) Alkane: C...	10.770	2.6	ug/L	1321770	2	11.629	12894100	25.0
(DEL) Alkane: S...	11.038	5.2	ug/L	2688740	2	11.629	12894100	25.0
(DEL) Alkane: C...	11.111	2.1	ug/L	1087890	2	11.629	12894100	25.0
(DEL) Alkane: C...	11.178	6.8	ug/L	3529720	2	11.629	12894100	25.0
(DEL) Alkane: C...	11.233	9.0	ug/L	4639580	2	11.629	12894100	25.0
(DEL) Alkane: S...	11.343	10.1	ug/L	5208950	2	11.629	12894100	25.0
(DEL) Alkane: S...	11.410	46.3	ug/L	23886500	2	11.629	12894100	25.0
(DEL) Alkane: S...	11.514	32.0	ug/L	16512300	2	11.629	12894100	25.0
(DEL) Alkane: C...	11.916	14.7	ug/L	7602690	2	11.629	12894100	25.0
(DEL) Alkane: C...	11.983	2.3	ug/L	1186440	2	11.629	12894100	25.0
(DEL) Alkane: S...	12.062	13.4	ug/L	6908970	2	11.629	12894100	25.0
(DEL) Alkane: S...	12.257	46.5	ug/L	23967400	2	11.629	12894100	25.0
1-Pentanol, 2-e...	12.373	92.9	ug/L	47893300	2	11.629	12894100	25.0
(DEL) Alkane: S...	12.550	62.0	ug/L	31957700	2	11.629	12894100	25.0
(DEL) Alkane: S...	12.574	43.8	ug/L	22590500	2	11.629	12894100	25.0
Benzene, propyl-	12.800	32.9	ug/L	26339400	3	13.538	20003100	25.0
Benzene, 1-ethy...	12.867	89.2	ug/L	71342800	3	13.538	20003100	25.0
(DEL) Alkane: S...	13.001	4.4	ug/L	3515620	3	13.538	20003100	25.0
4-Heptanone, 2,...	13.038	24.6	ug/L	19717200	3	13.538	20003100	25.0
Benzene, 1-ethy...	13.111	91.6	ug/L	73308000	3	13.538	20003100	25.0
(DEL) Alkane: S...	13.172	33.3	ug/L	26604600	3	13.538	20003100	25.0
(DEL) Alkane: S...	13.349	15.3	ug/L	12208300	3	13.538	20003100	25.0
p-Cymene	13.446	50.1	ug/L	40125800	3	13.538	20003100	25.0
Benzene, 1,2,3-...	13.592	48.3	ug/L	38638900	3	13.538	20003100	25.0
1-Hexanol, 2-et...	13.647	50.6	ug/L	40509400	3	13.538	20003100	25.0
Benzene, 1,3-di...	13.720	21.6	ug/L	17288800	3	13.538	20003100	25.0
Benzene, 1-meth...	13.751	25.8	ug/L	20676800	3	13.538	20003100	25.0
Benzene, 2-ethy...	13.794	47.5	ug/L	38036800	3	13.538	20003100	25.0
Benzene, 1-meth...	13.952	24.3	ug/L	19460800	3	13.538	20003100	25.0
Benzene, 1-meth...	14.013	34.0	ug/L	27186600	3	13.538	20003100	25.0
o-Cymene	14.044	21.6	ug/L	17258600	3	13.538	20003100	25.0
Benzene, 1-ethy...	14.202	20.0	ug/L	15974700	3	13.538	20003100	25.0
unknown-01	14.263	10.6	ug/L	8496280	3	13.538	20003100	25.0

Benzene, 2-ethy...	14.336	16.2	ug/L	12995100	3	13.538	20003100	25.0
unknown-02	14.391	18.6	ug/L	14895700	3	13.538	20003100	25.0
Benzene, 1,2,4,...	14.458	5.4	ug/L	4326390	3	13.538	20003100	25.0
trans-4a-Methyl...	14.544	7.2	ug/L	5760120	3	13.538	20003100	25.0
Benzene, 1,3-di...	14.623	6.8	ug/L	5401960	3	13.538	20003100	25.0
Benzene, 2-ethe...	14.684	2.7	ug/L	2152220	3	13.538	20003100	25.0
(DEL) Alkane: S...	14.714	10.5	ug/L	8366890	3	13.538	20003100	25.0
1,3-Cyclopentad...	14.787	15.9	ug/L	12698200	3	13.538	20003100	25.0
Naphthalene, 1,...	14.952	4.3	ug/L	3457120	3	13.538	20003100	25.0
unknown-03	15.123	13.6	ug/L	10852800	3	13.538	20003100	25.0
Azulene	15.354	6.8	ug/L	5448580	3	13.538	20003100	25.0

Instrument :
MSVOA_W
ClientSampleId :
DDCL2