LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\Method\SFAMUTR032124WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU058310.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.596	87	95	104	rBV2	46822	49838	3.48%	0.266%
2	1.907	183	192	206	rVB	36225	45171	3.16%	0.241%
3	1.991	206	218	239	rBV	1049605	1430090	100.00%	7.633%
4	2.200	275	283	299	rVB2	11388	17352	1.21%	0.093%
5	2.592	384	405	432	rBV2	142557	367830	25.72%	1.963%
6	2.968	507	522	530	rBV5	17569	46319	3.24%	0.247%
7	3.036	530	543	549	rBV2	231428	465708	32.56%	2.486%
8	3.354	624	642	676	rBV	644116	1414933	98.94%	7.552%
9	4.287	908	932	948	rBV3	17170	50337	3.52%	0.269%
10	4.425	951	975	990	rVV4	25684	77229	5.40%	0.412%
11	4.521	990	1005	1022	rVV2	104851	254600	17.80%	1.359%
12	4.621	1024	1036	1070	rVB2	40562	122428	8.56%	0.653%
13	5.055	1157	1171	1182	rVV	52942	121226	8.48%	0.647%
14	5.119	1183	1191	1217	rVB5	22977	62646	4.38%	0.334%
15	5.380	1254	1272	1280	rBV6	12910	31771	2.22%	0.170%
16	5.454	1280	1295	1322	rVB3	83933	226309	15.82%	1.208%
17	5.627	1322	1349	1362	rBV	152713	380712	26.62%	2.032%
18	5.718	1362	1377	1399	rVV2	109115	279249	19.53%	1.490%
19	5.840	1399	1415	1427	rVV	345816	726261	50.78%	3.876%
20	5.914	1427	1438	1448	rVV	308468	640409	44.78%	3.418%
21	5.981	1448	1459	1477	rVB	282376	599931	41.95%	3.202%
22	6.242	1528	1540	1551	rBV	92819	183211	12.81%	0.978%
23	6.550	1624	1636	1649	rBV3	8365	20933	1.46%	0.112%
24	6.682	1664	1677	1684	rBV2	65839	128777	9.00%	0.687%
25	6.753	1684	1699	1723	rVV5	146771	446753	31.24%	2.384%
26	6.859	1723	1732	1743	rVB4	9658	18642	1.30%	0.099%
27	6.975	1757	1768	1779	rBV3	23201	41475	2.90%	0.221%
28	7.068	1782	1797	1810	rVB	44147	85602	5.99%	0.457%
29	7.155	1810	1824	1827	rBV2	43923	75863	5.30%	0.405%
30	7.229	1839	1847	1867	rVB4	53287	106450	7.44%	0.568%
31	7.389	1882	1897	1919	rBV	68879	144591	10.11%	0.772%
32	7.570	1930	1953	1983	rBV3	39661	130970	9.16%	0.699%
33	7.698	1983	1993	2000	rBV6	7320	14641	1.02%	0.078%
34	7.759	2004	2012	2026	rVB5	15024	31713	2.22%	0.169%
35	7.849	2026	2040	2045	rBV	120802	212285	14.84%	1.133%
36	7.888	2046	2052	2065	rVB	155192	266988	18.67%	1.425%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\Method\SFAMUTR032124WMA.M
Title : TRACE VOA SFAM1.0

37	8.033	2083	2097	2107	rBV2	51794	128345	8.97%	0.685%
38	8.174	2127	2141	2148	rBV6	17970	43593	3.05%	0.233%
39	8.235	2149	2160	2173	rVB	90312	164644	11.51%	0.879%
40	8.361	2178	2199	2206	rBV	55611	109474	7.66%	0.584%
41	8.402	2206	2212	2222	rVB	35800	56057	3.92%	0.299%
42	8.627	2273	2282	2296	rBV2	118083	224930	15.73%	1.201%
43	8.804	2324	2337	2345	rBV2	24046	47409	3.32%	0.253%
44	8.859	2346	2354	2366	rVV3	30358	77755	5.44%	0.415%
45	8.917	2367	2372	2380	rVV2	23153	39169	2.74%	0.209%
46	8.959	2381	2385	2406	rVB7	13833	24023	1.68%	0.128%
47	9.065	2406	2418	2430	rVB5	10739	22221	1.55%	0.119%
48	9.177	2437	2453	2469	rBV7	11725	35112	2.46%	0.187%
49	9.328	2484	2500	2515	rBV6	22687	54552	3.81%	0.291%
50	9.412	2515	2526	2541	rVV	129449	234670	16.41%	1.253%
51	9.502	2541	2554	2564	rVV5	33720	87006	6.08%	0.464%
52	9.563	2564	2573	2595	rVV	83783	152899	10.69%	0.816%
53	9.692	2599	2613	2626	rVB8	24250	56668	3.96%	0.302%
54	9.881	2662	2672	2687	rBV6	8535	16978	1.19%	0.091%
55	10.023	2704	2716	2723	rBV7	9215	20021	1.40%	0.107%
56	10.264	2770	2791	2805	rBV7	17489	46852	3.28%	0.250%
57	10.476	2845	2857	2868	rBV	163285	254448	17.79%	1.358%
58	10.749	2929	2942	2953	rVB2	44897	85307	5.97%	0.455%
59	10.897	2979	2988	3012	rVB	42585	74894	5.24%	0.400%
60	11.016	3012	3025	3035	rBV	49209	81940	5.73%	0.437%
61	11.283	3088	3108	3132	rBV	73121	124765	8.72%	0.666%
62	11.460	3154	3163	3174	rBV	38252	58200	4.07%	0.311%
63	11.605	3195	3208	3212	rBV2	29212	45603	3.19%	0.243%
64	11.637	3212	3218	3231	rVB	42743	67181	4.70%	0.359%
65	11.737	3240	3249	3258	rVB2	17589	27122	1.90%	0.145%
66	11.804	3259	3270	3286	rBV	136403	221576	15.49%	1.183%
67	12.000	3317	3331	3342	rVB	15660	24302	1.70%	0.130%
68	12.087	3345	3358	3376	rBV2	510412	854251	59.73%	4.559%
69	12.183	3376	3388	3409	rVV4	182225	339915	23.77%	1.814%
70	12.296	3411	3423	3437	rVB3	39396	65047	4.55%	0.347%
71	12.457	3462	3473	3489	rBV2	54559	85757	6.00%	0.458%
72	12.563	3494	3506	3514	rVV	428394	636338	44.50%	3.396%
73	12.605	3514	3519	3529	rVV	105261	152641	10.67%	0.815%
74	12.672	3529	3540	3561	rVB	502466	830391	58.07%	4.432%
75	12.855	3589	3597	3606	rVB3	17777	26624	1.86%	0.142%
76	12.965	3613	3631	3639	rBV	243787	372381	26.04%	1.988%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\Method\SFAMUTR032124WMA.M
Title : TRACE VOA SFAM1.0

77	13.019	3639	3648	3664	rVB	440615	667690	46.69%	3.564%
78	13.106	3664	3675	3687	rBV4	33123	59097	4.13%	0.315%
79	13.245	3711	3718	3721	rVV	14411	19931	1.39%	0.106%
80	13.286	3721	3731	3755	rVB	281199	462677	32.35%	2.469%
81	13.402	3756	3767	3772	rBV3	27078	47940	3.35%	0.256%
82	13.447	3772	3781	3795	rVV	500405	797323	55.75%	4.256%
83	13.515	3796	3802	3808	rVV4	27551	44129	3.09%	0.236%
84	13.553	3808	3814	3823	rVV	18035	29287	2.05%	0.156%
85	13.618	3824	3834	3848	rVB2	87319	145351	10.16%	0.776%
86	13.724	3856	3867	3875	rBV4	21152	37410	2.62%	0.200%
87	13.778	3875	3884	3892	rVV	79998	139084	9.73%	0.742%
88	13.830	3892	3900	3915	rVV4	63005	156297	10.93%	0.834%
89	13.904	3915	3923	3926	rVV	46966	68418	4.78%	0.365%
90	13.933	3927	3932	3950	rVB2	85421	158566	11.09%	0.846%
91	14.081	3961	3978	4001	rVB	143879	241959	16.92%	1.291%
92	14.280	4025	4040	4049	rBV4	18335	32843	2.30%	0.175%
93	14.338	4049	4058	4069	rVB3	19978	31241	2.18%	0.167%
94	14.476	4091	4101	4113	rVB	26738	39262	2.75%	0.210%
95	14.659	4149	4158	4173	rBV5	18474	36966	2.58%	0.197%
96	15.216	4321	4331	4345	rBV	55839	92462	6.47%	0.494%
97	15.405	4378	4390	4404	rBV	23764	37696	2.64%	0.201%

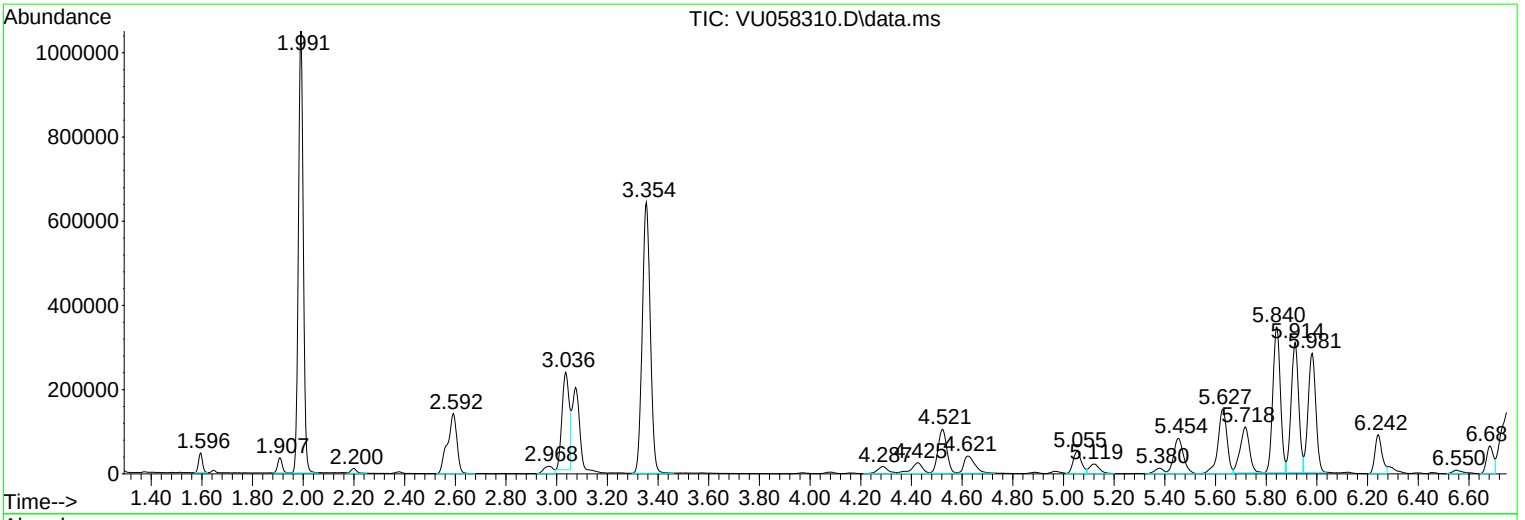
Sum of corrected areas: 18735933

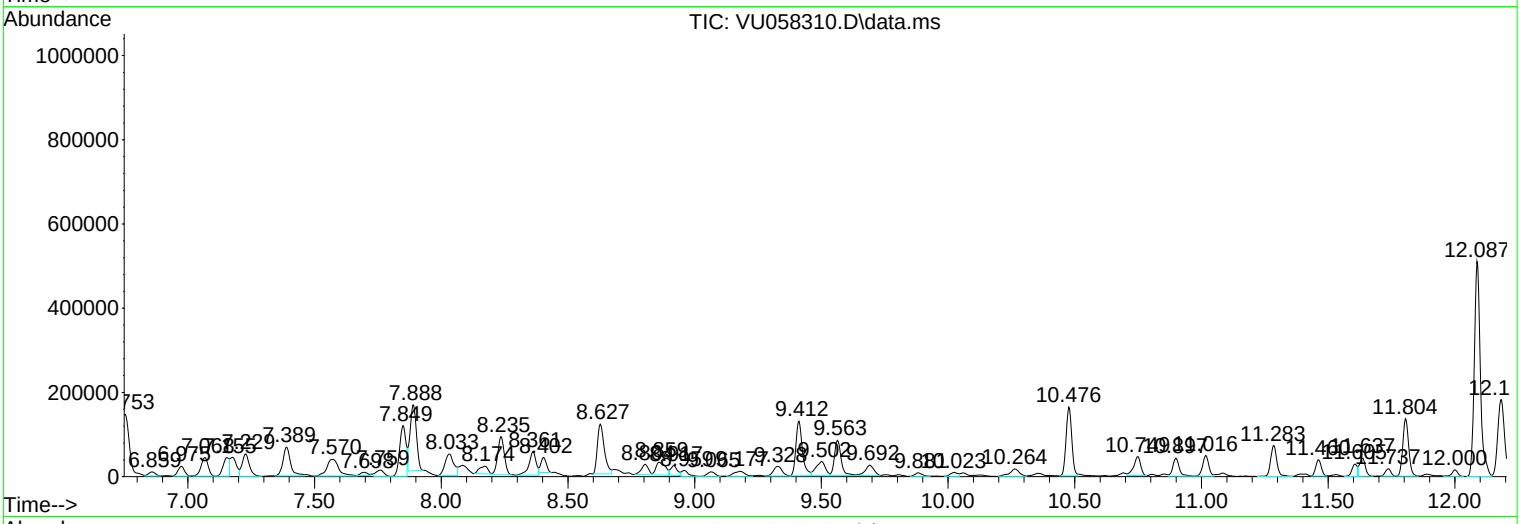
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

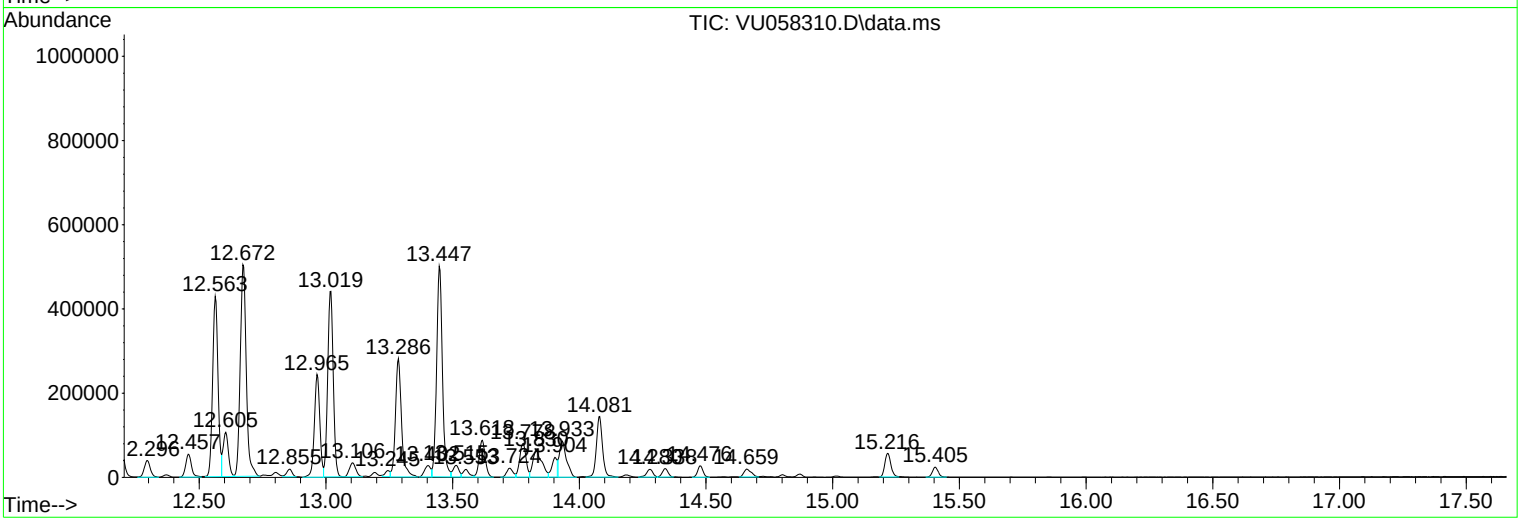
Instrument :
MSVOA_U
ClientSampleId :
DCOD5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

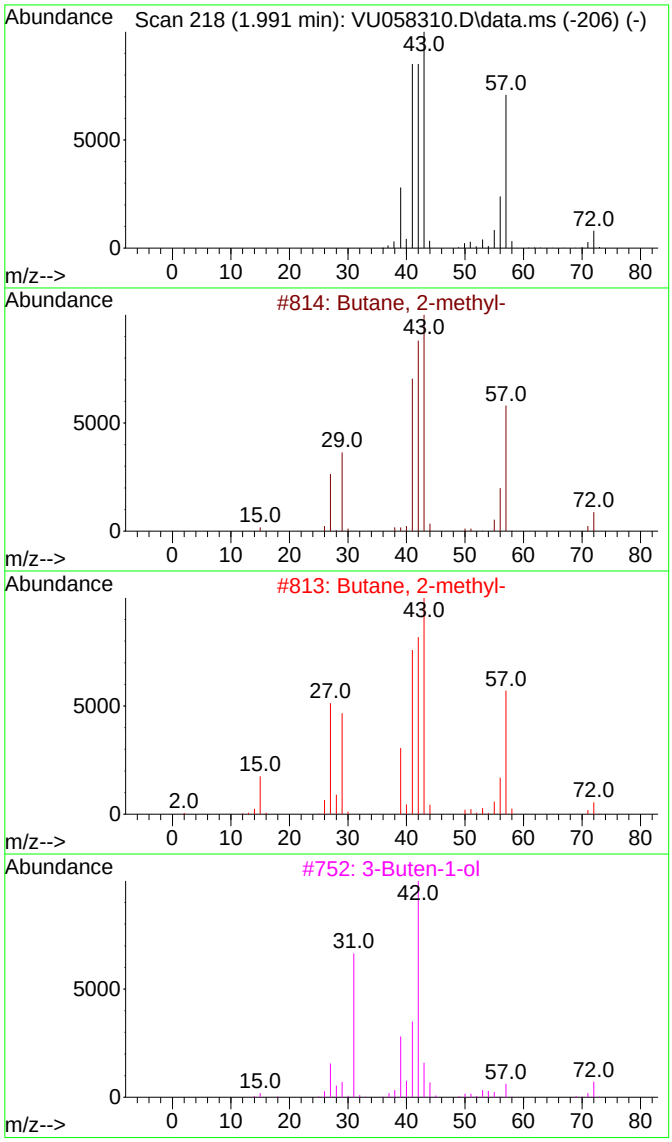
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

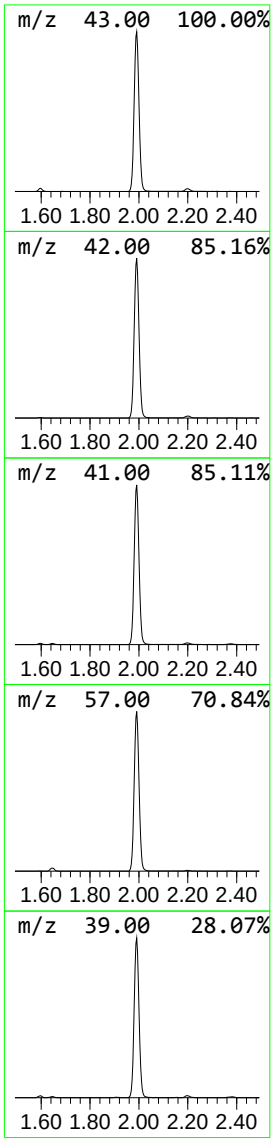
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.991	39.03 ug/L	1430090	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	Pentane	72	C5H12	000109-66-0	36
5	1-Butene	56	C4H8	000106-98-9	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

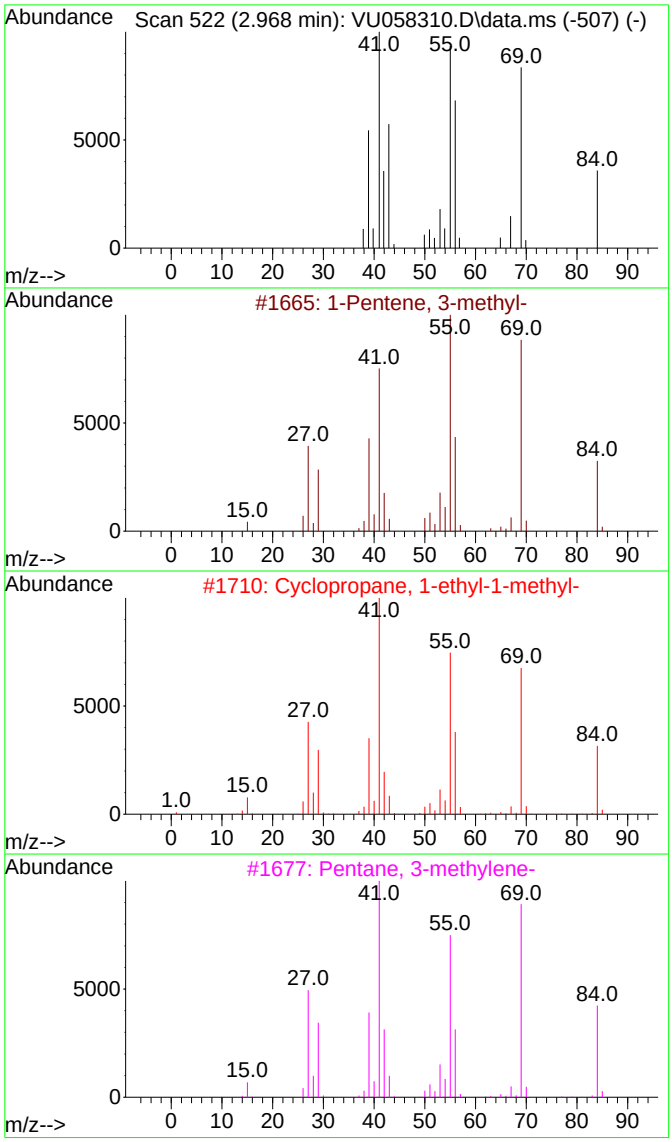
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

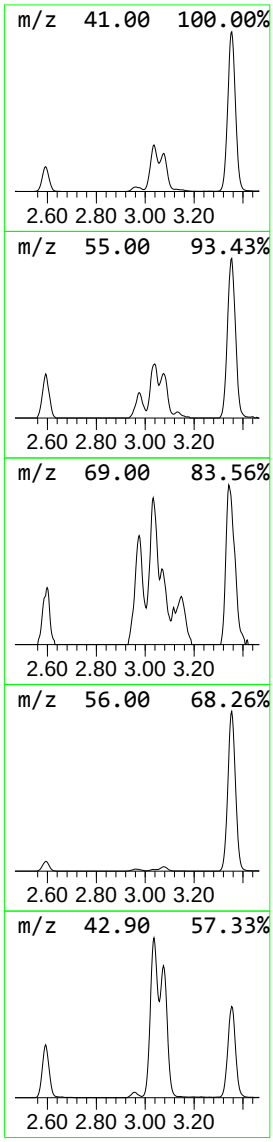
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.968	1.26 ug/L	46319	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	86
2	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	74
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	64
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	64
5	3-Hexene, (E)-	84	C6H12	013269-52-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

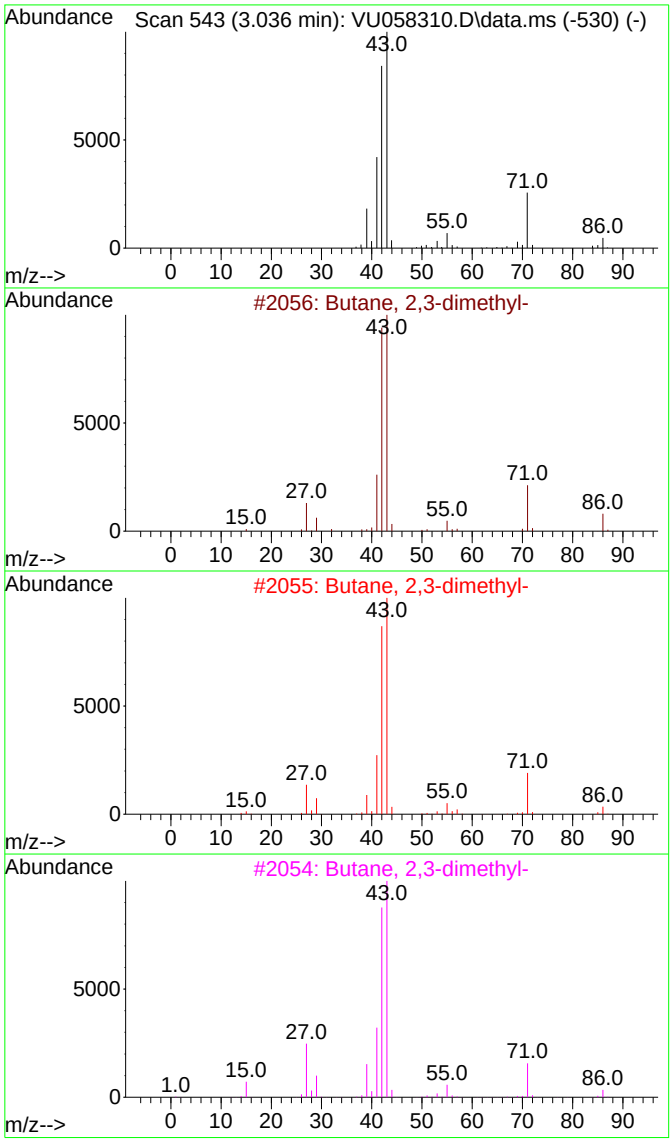
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

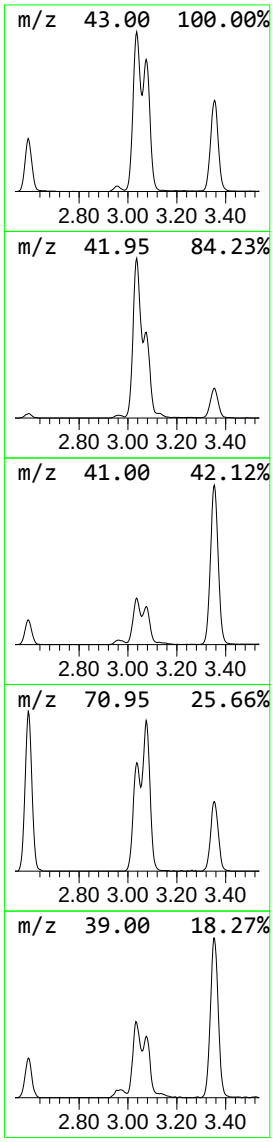
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.036	12.71 ug/L	465708	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49
5	Pentane	72	C5H12	000109-66-0	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

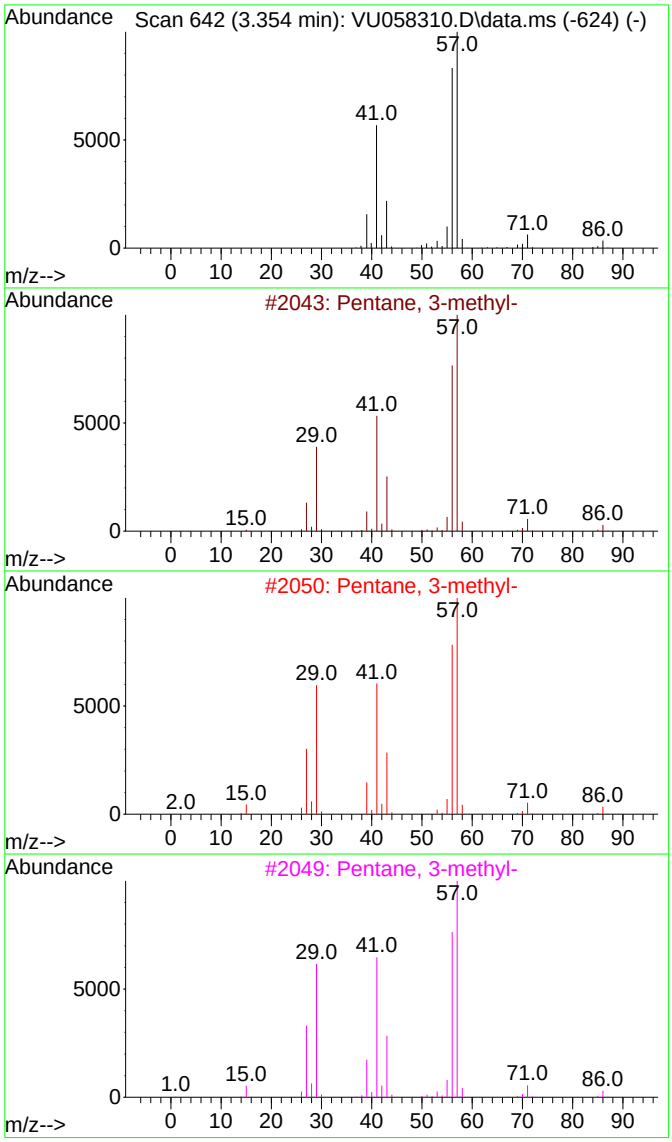
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

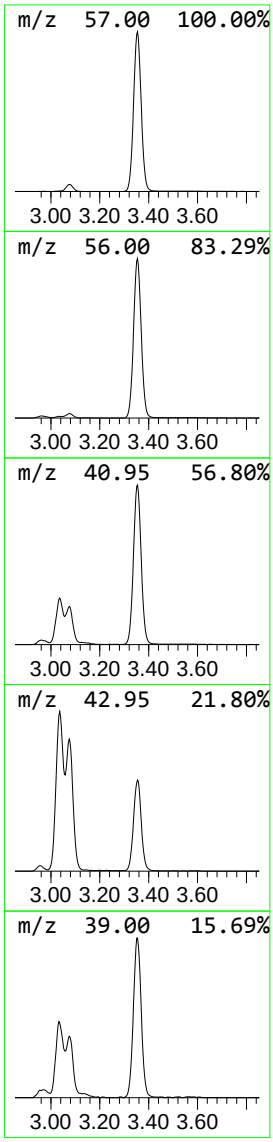
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.354	38.61 ug/L	1414930	1,4-Difluorobenzene	6.242

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	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

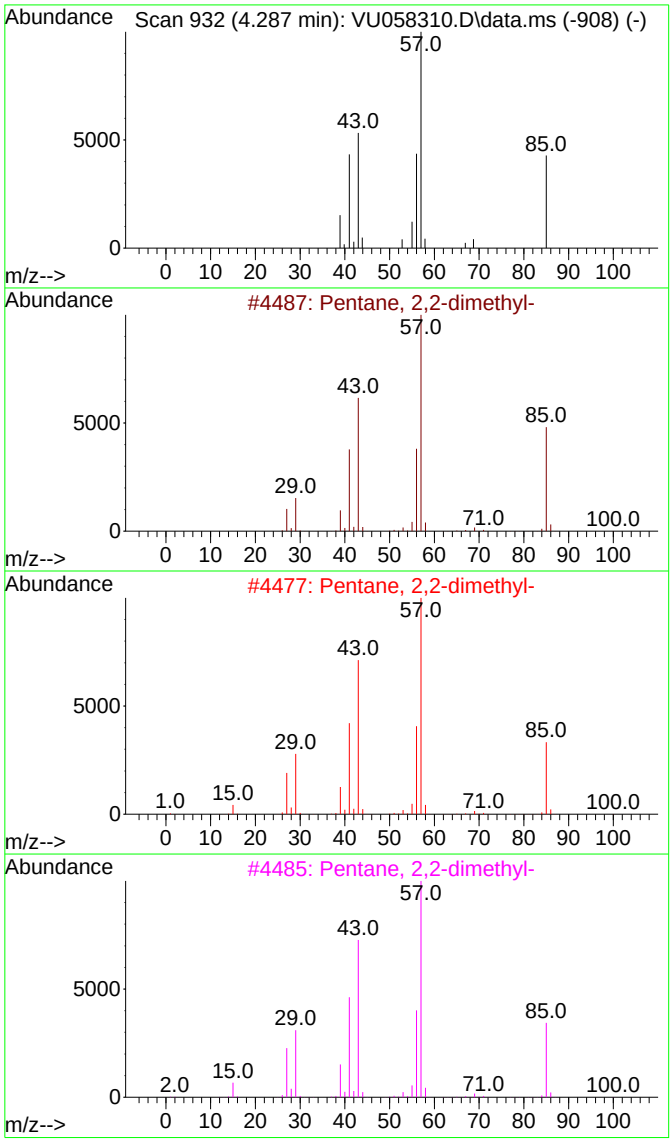
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

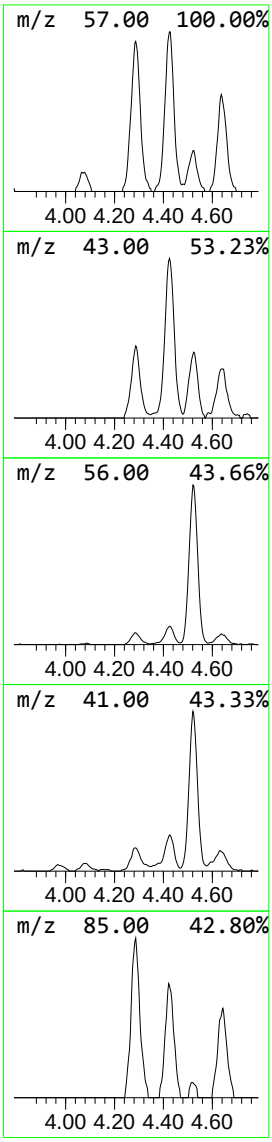
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.287	1.37 ug/L	50337	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

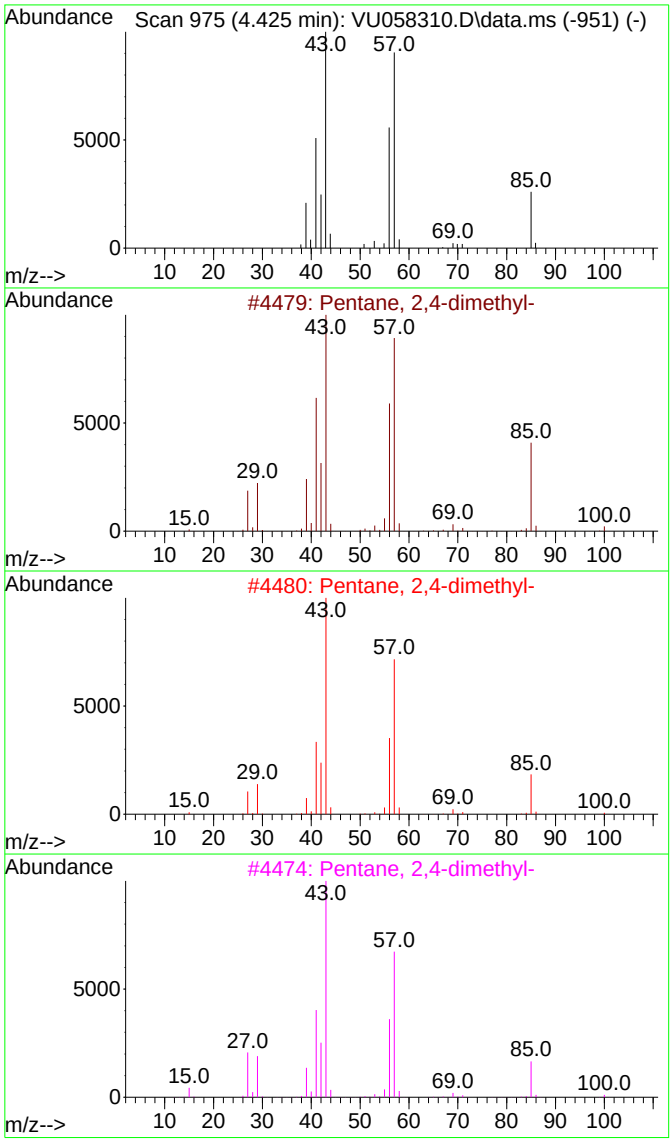
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

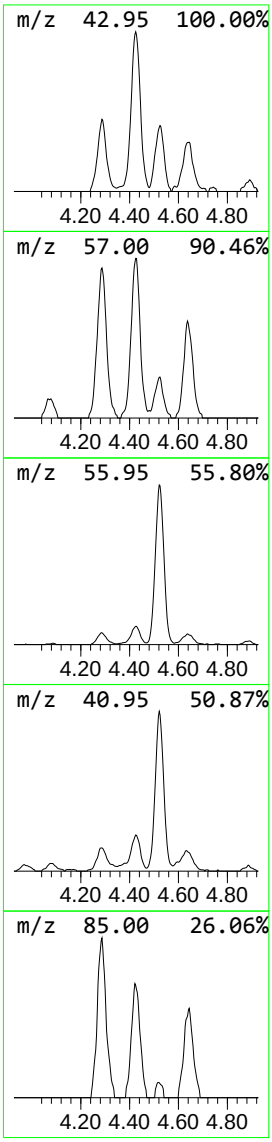
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.425	2.11 ug/L	77229	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

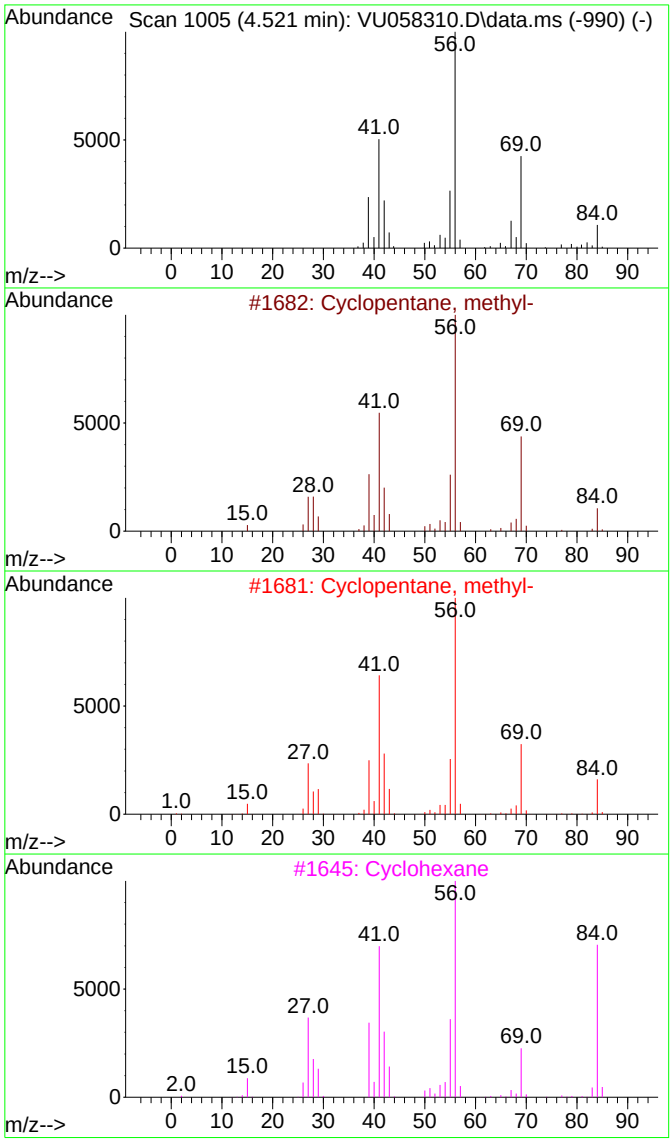
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

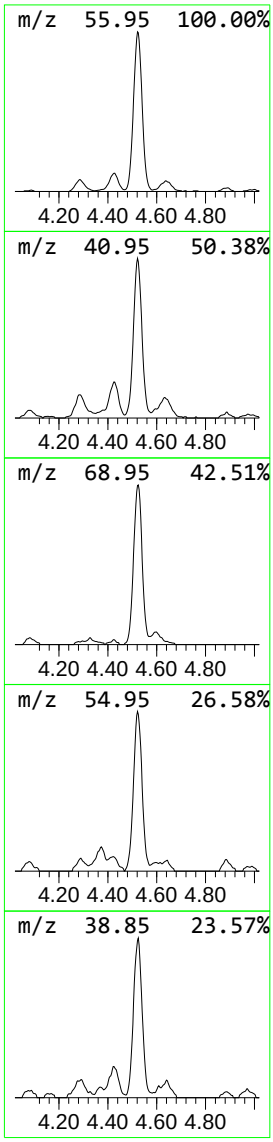
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic4.521 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.521	6.95 ug/L	254600	1,4-Difluorobenzene	6.242

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	87
3	Cyclohexane	84	C6H12	000110-82-7	87
4	Cyclohexane	84	C6H12	000110-82-7	86
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

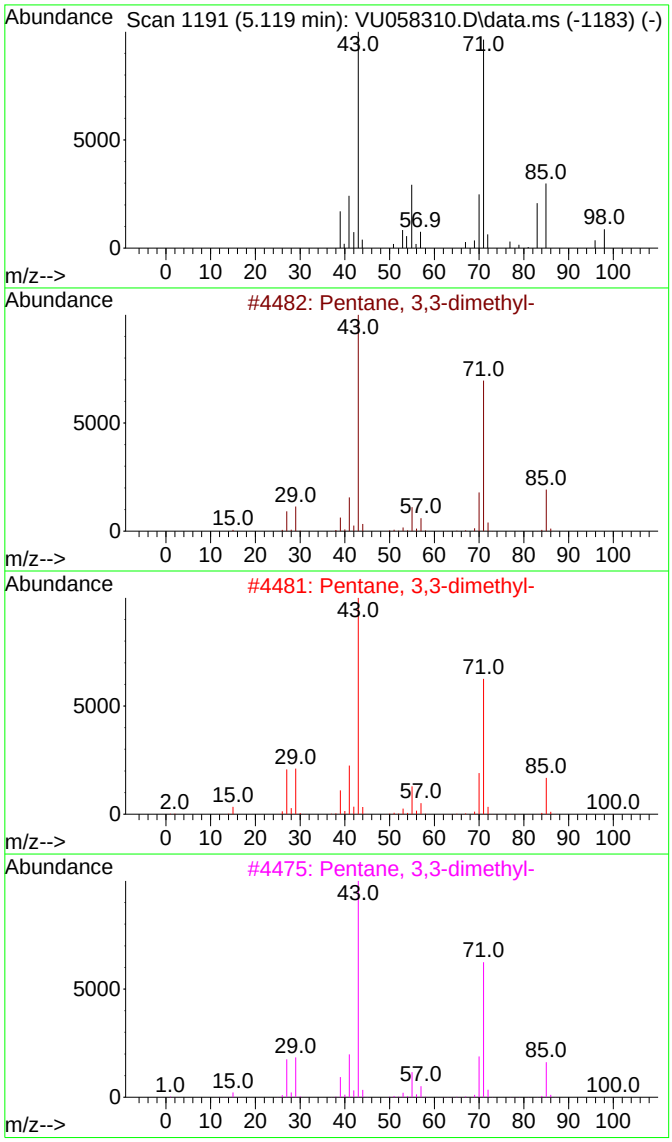
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

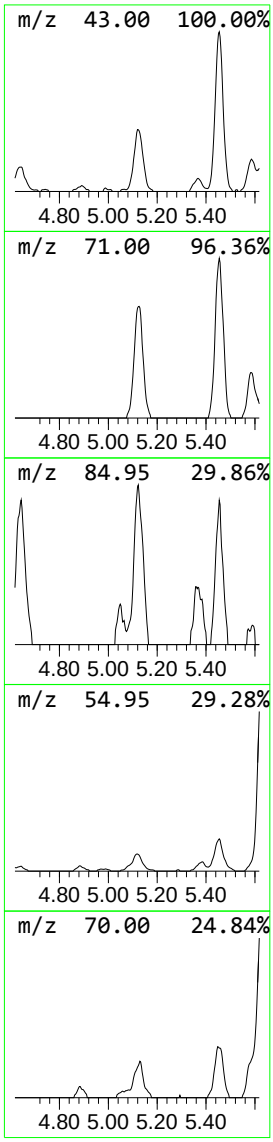
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.119	1.71 ug/L	62646	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	64
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	64
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	50
4	Propanoic acid, 2-methyl-, anhyd...	158	C8H14O3	000097-72-3	43
5	Propanoic acid, 2-methyl-, 2-met...	142	C8H14O2	000816-73-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

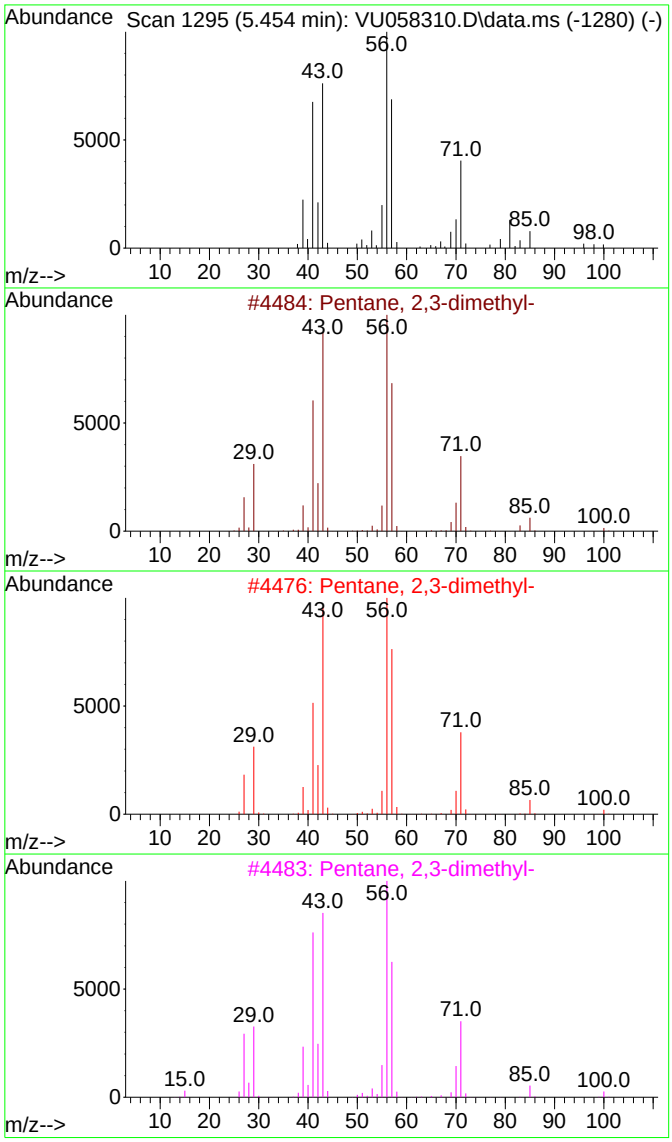
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

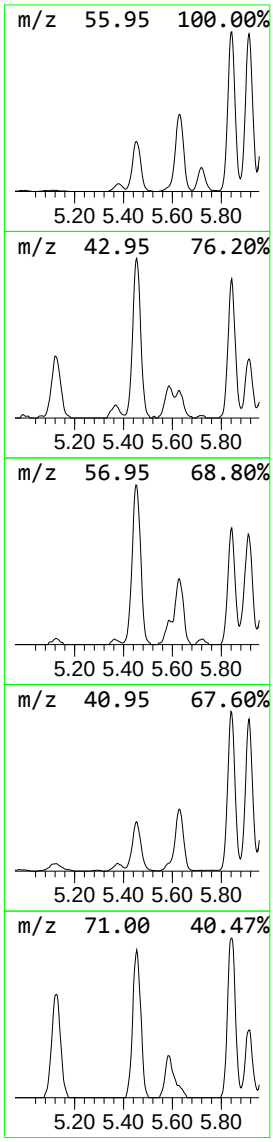
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.454	6.18 ug/L	226309	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	93
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
5	Pentane, 1-bromo-3,4-dimethyl-	178	C7H15Br	006570-92-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

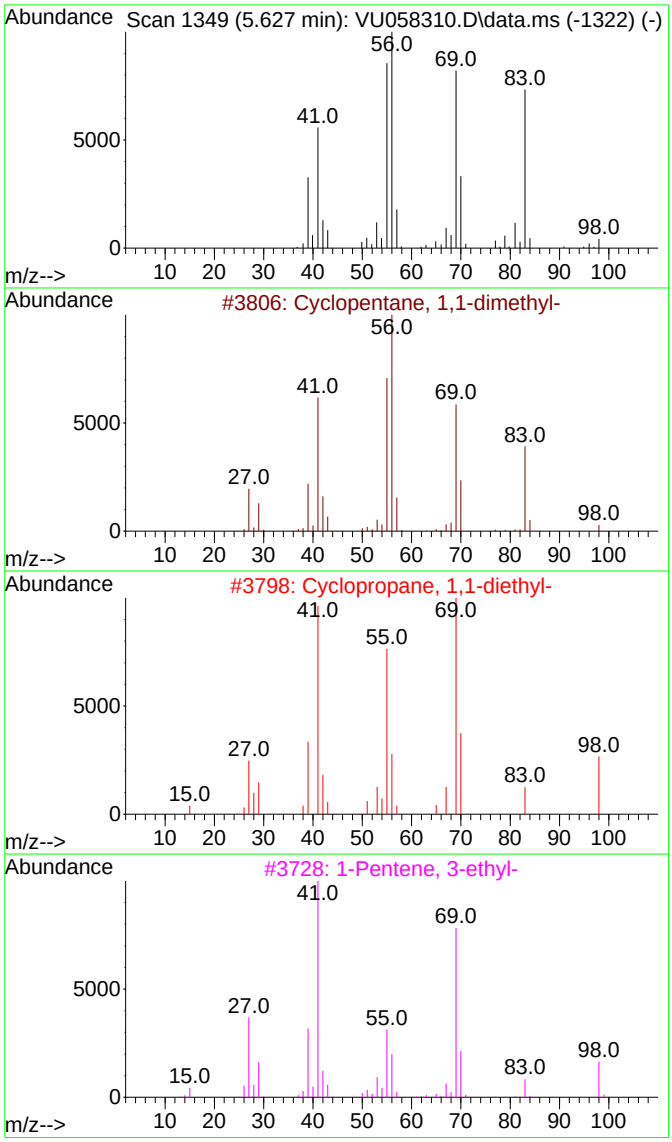
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

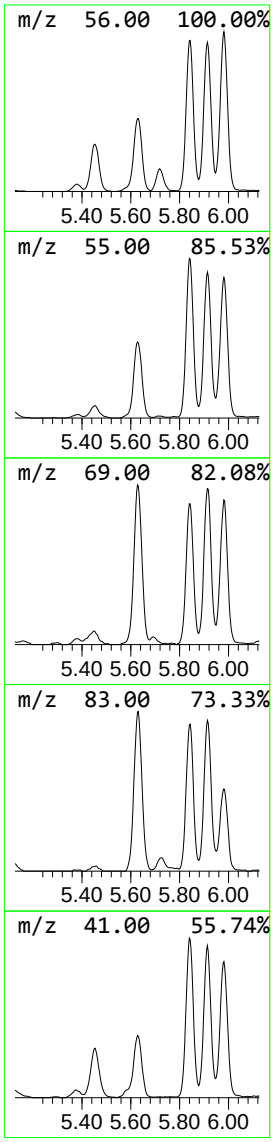
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic5.627 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.627	10.39 ug/L	380712	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72
2	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38
3	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	35
4	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	30
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

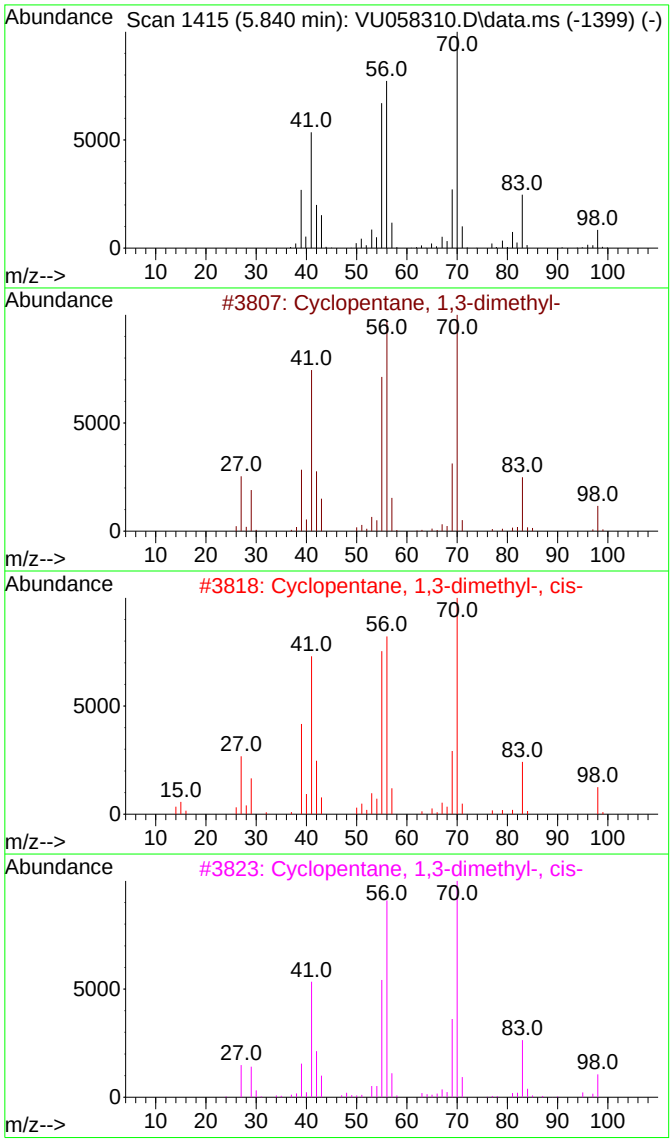
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

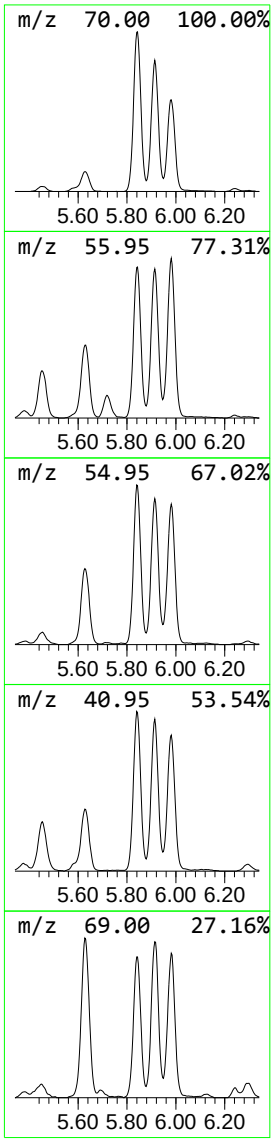
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic5.840 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.840	19.82 ug/L	726261	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	95
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	78
5	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

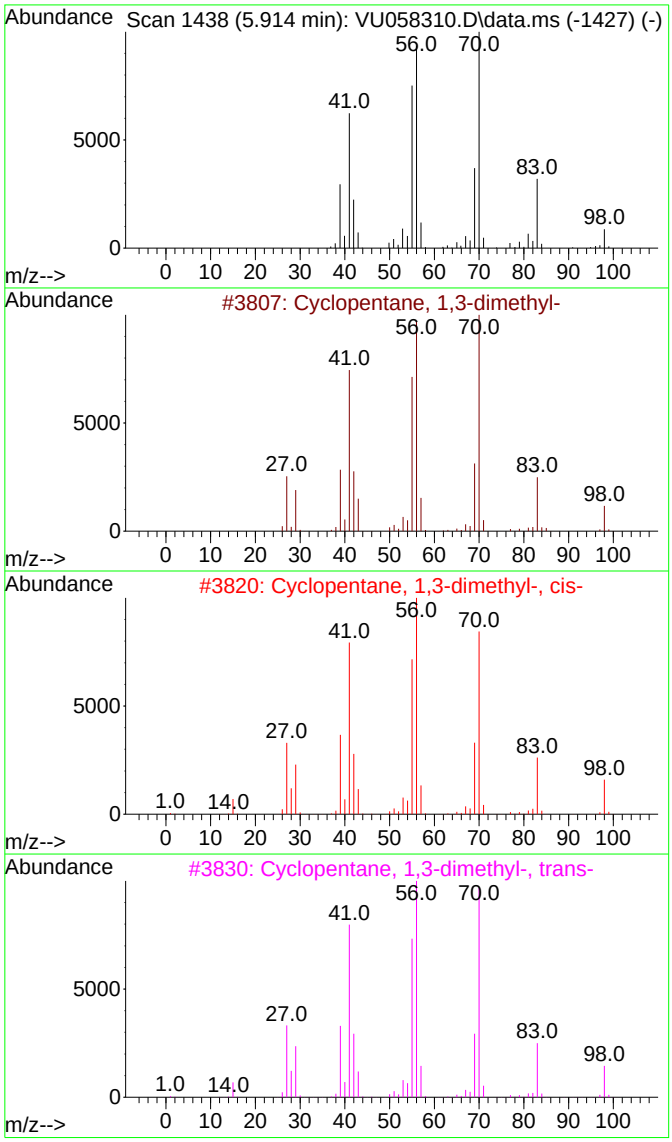
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

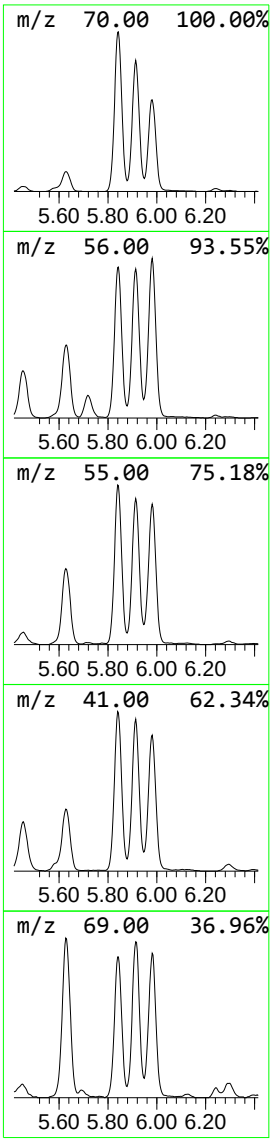
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic5.914 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.914	17.48 ug/L	640409	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

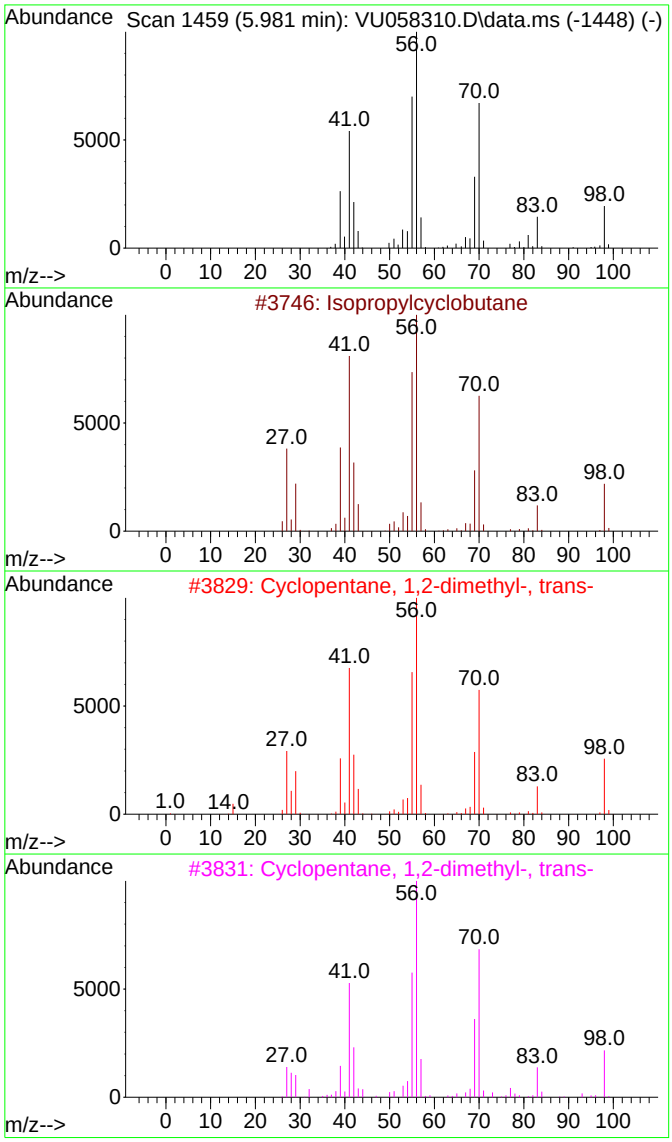
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

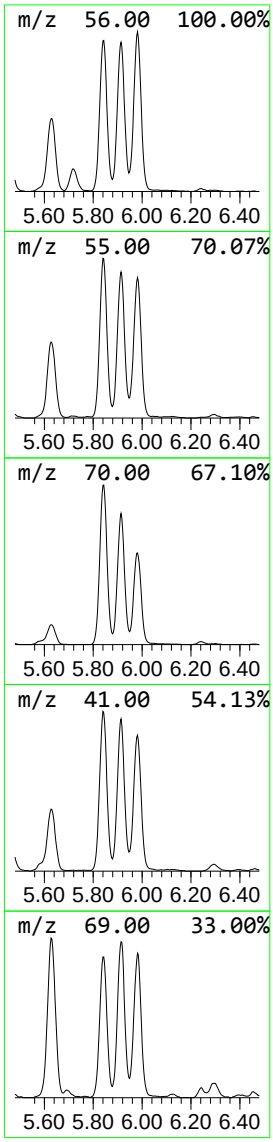
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic5.981 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.981	16.37 ug/L	599931	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
5	3-Heptene	98	C7H14	000592-78-9	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

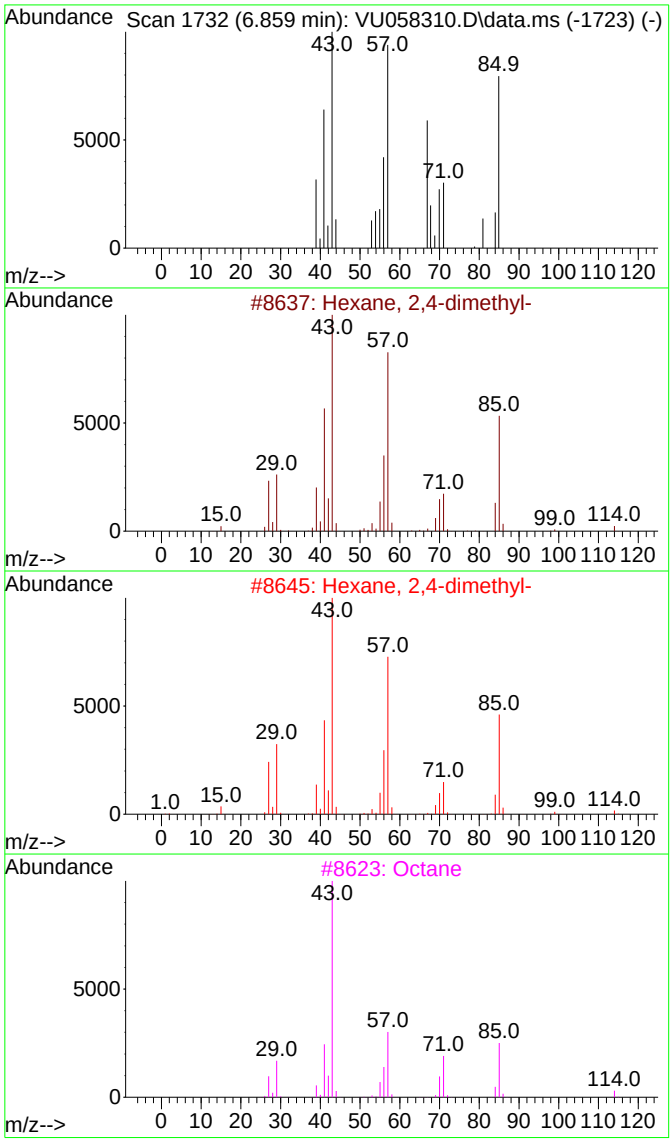
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

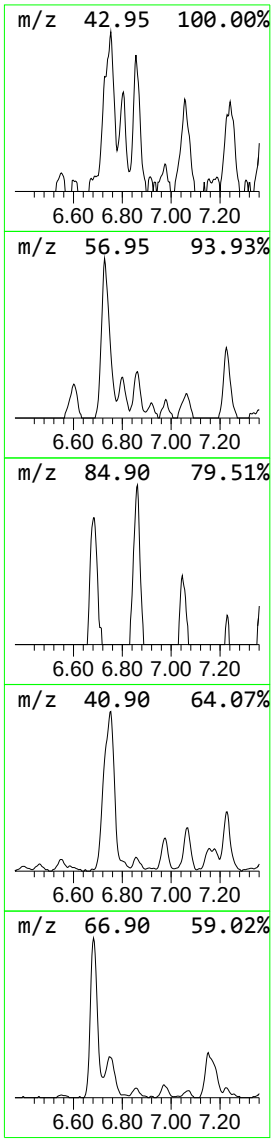
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.859	0.51 ug/L	18642	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	40
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	40
3	Octane	114	C8H18	000111-65-9	38
4	Oxalic acid, isohexyl propyl ester	216	C11H20O4	1000309-32-6	32
5	4-Penten-1-ol, 3-methyl-	100	C6H12O	051174-44-8	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

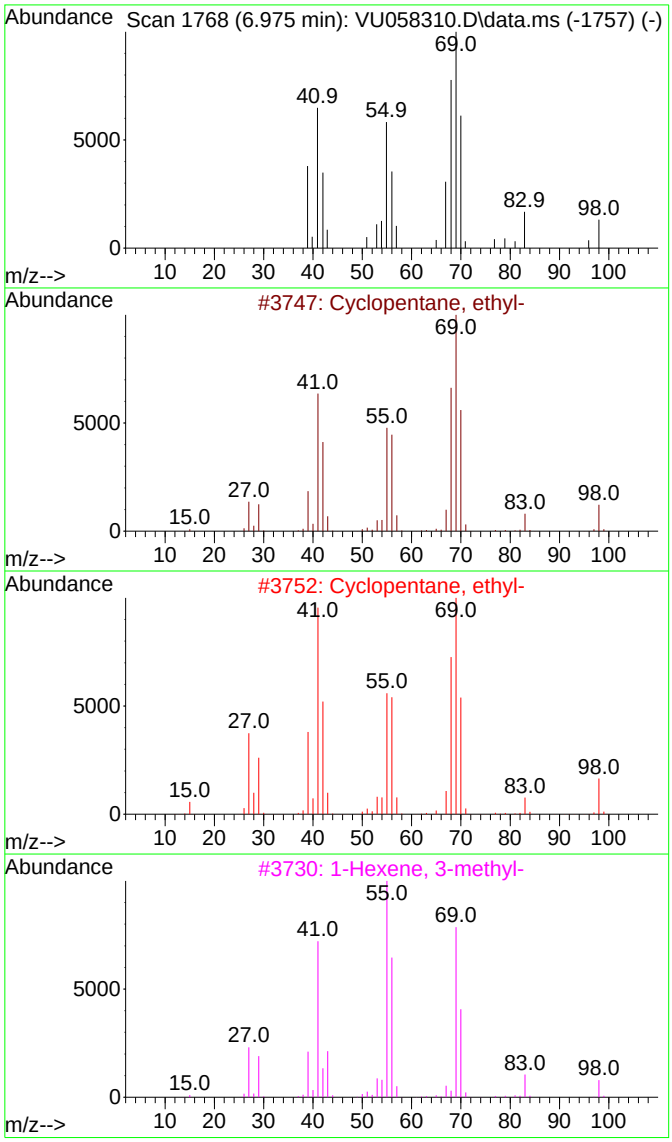
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

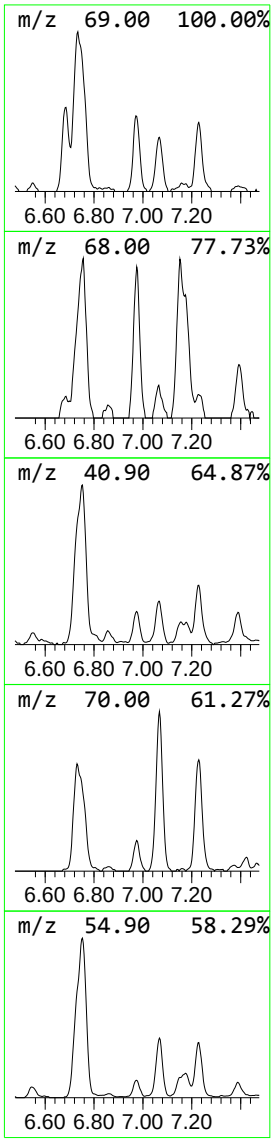
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic6.975 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.975	1.13 ug/L	41475	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	83
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	46
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	42
5	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

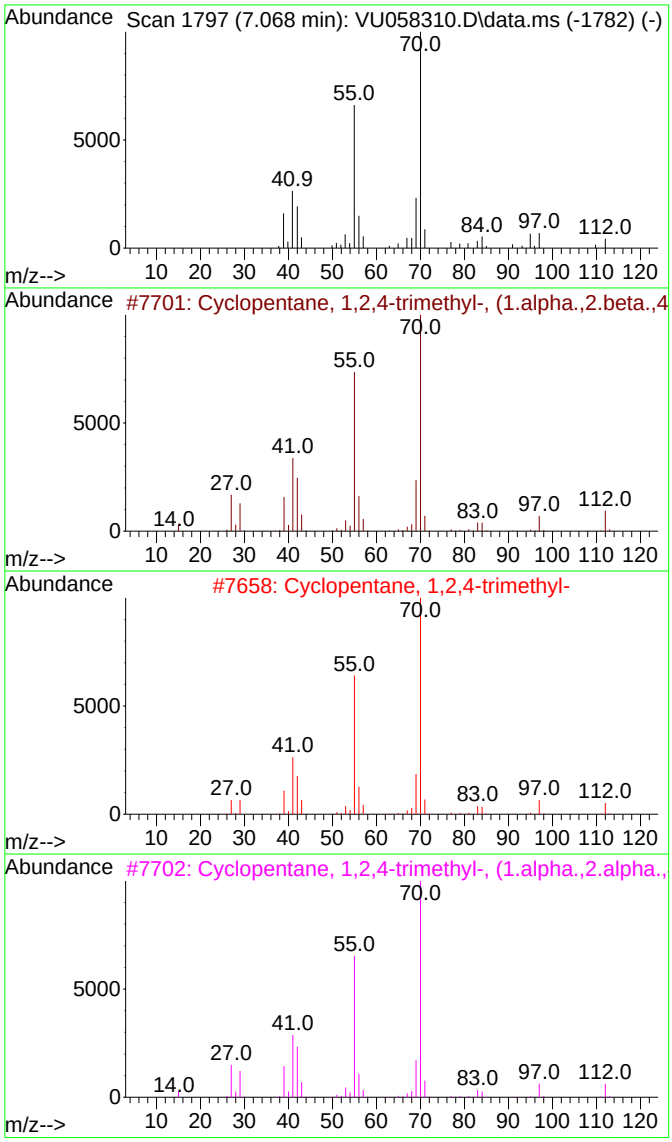
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

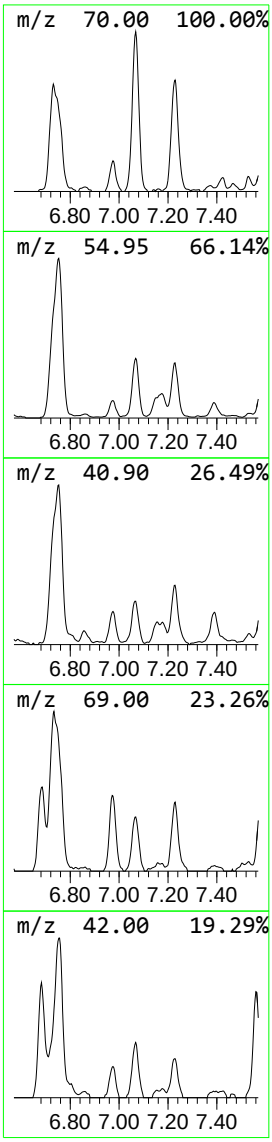
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic7.068 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.068	2.34 ug/L	85602	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	86
4	Tridecane, 3-methylene-	196	C14H28	019780-34-8	78
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

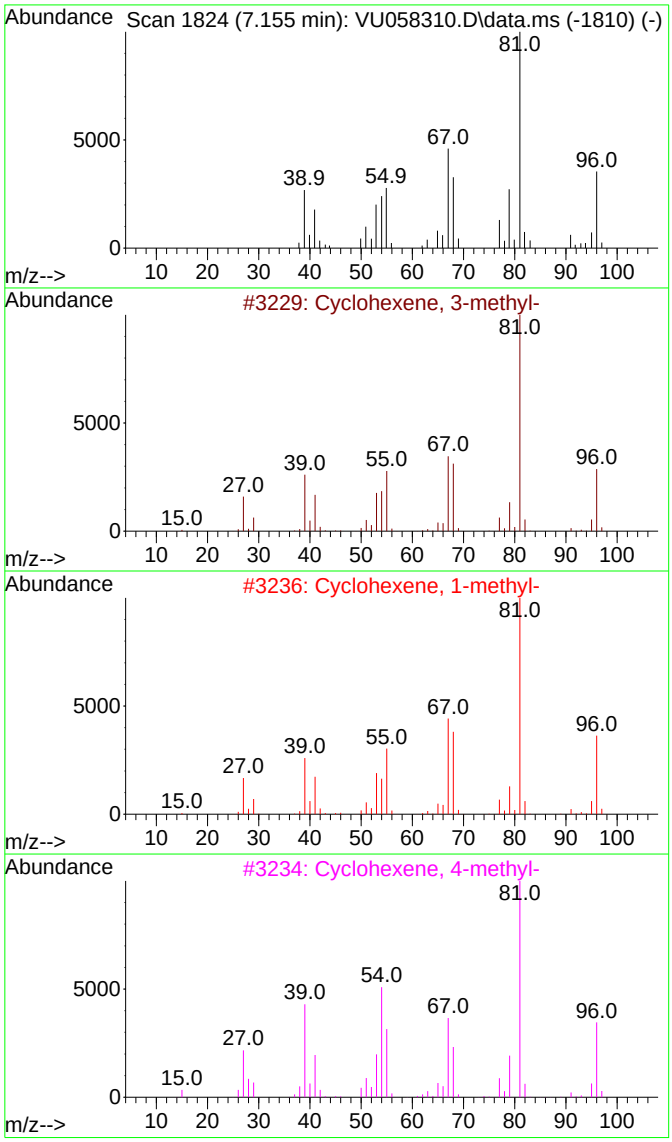
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

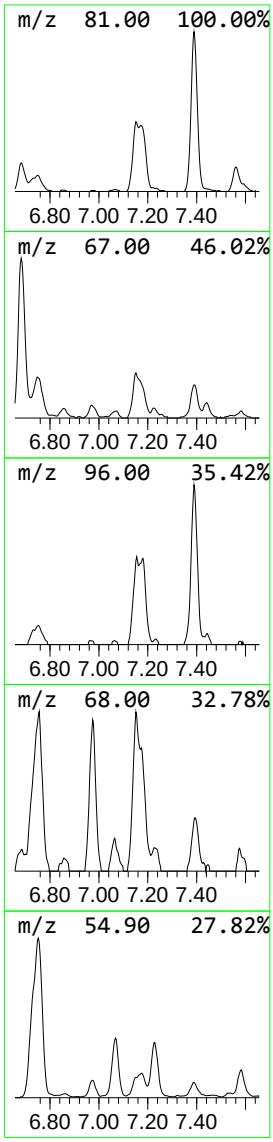
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclohexene, 3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.155	2.07 ug/L	75863	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	95
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87
4	2-Heptyne	96	C7H12	001119-65-9	87
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

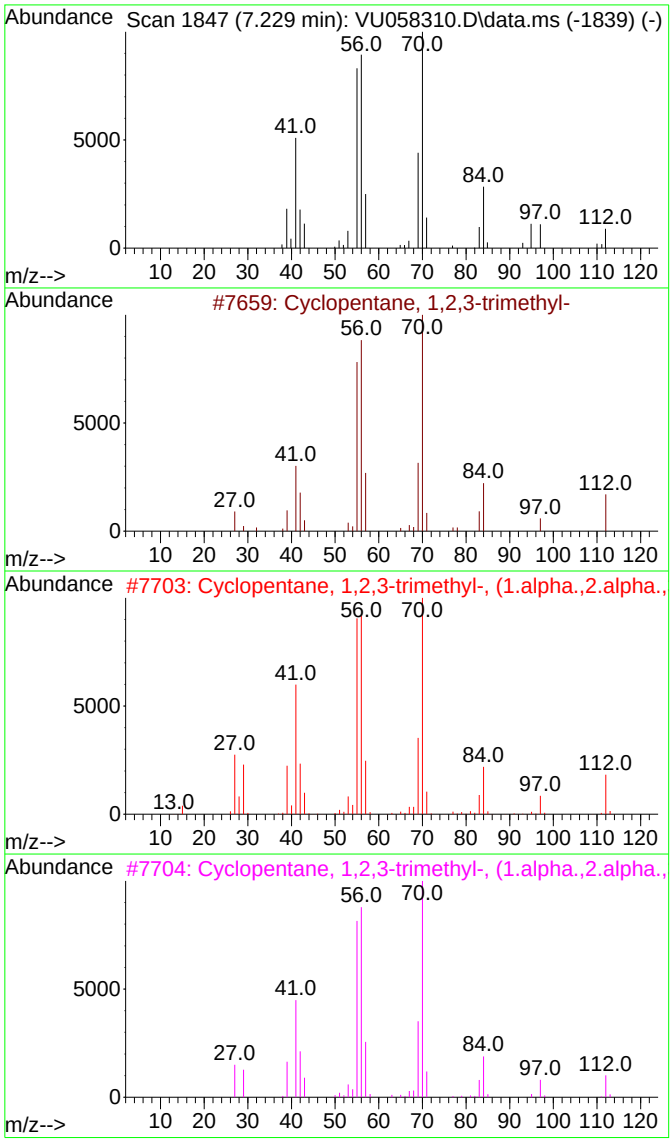
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

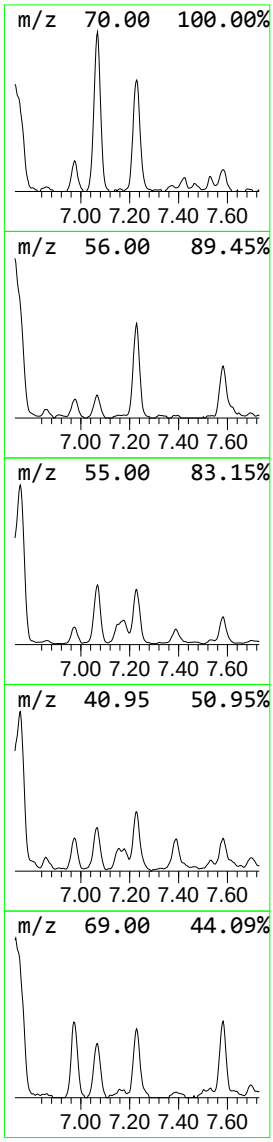
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic7.229 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.229	2.91 ug/L	106450	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	52
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

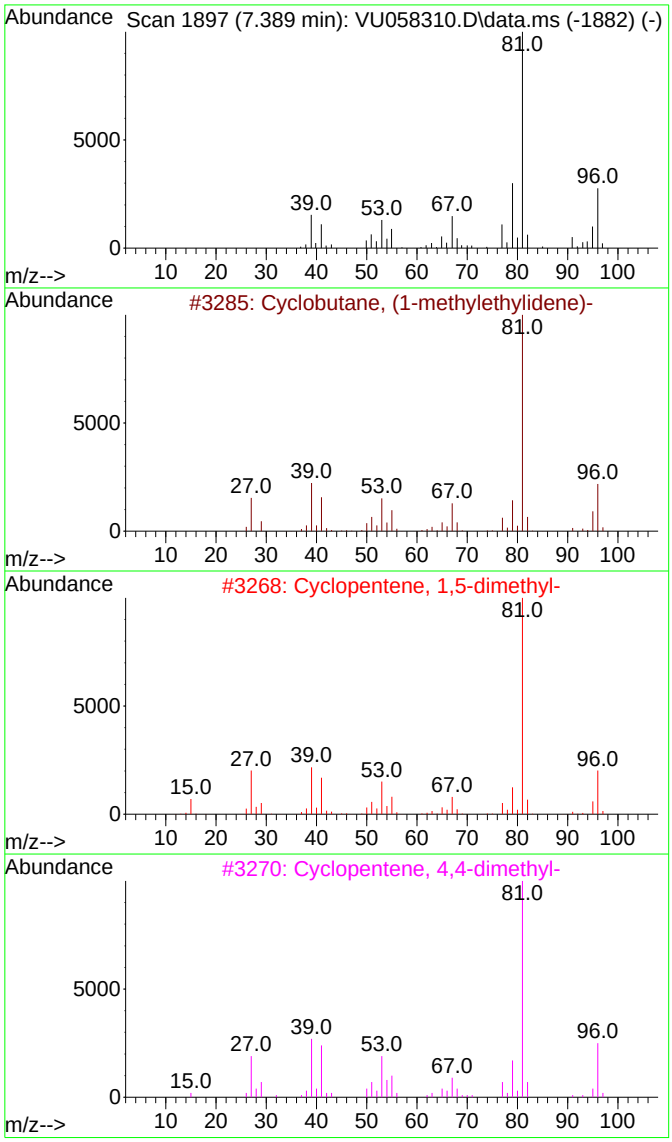
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

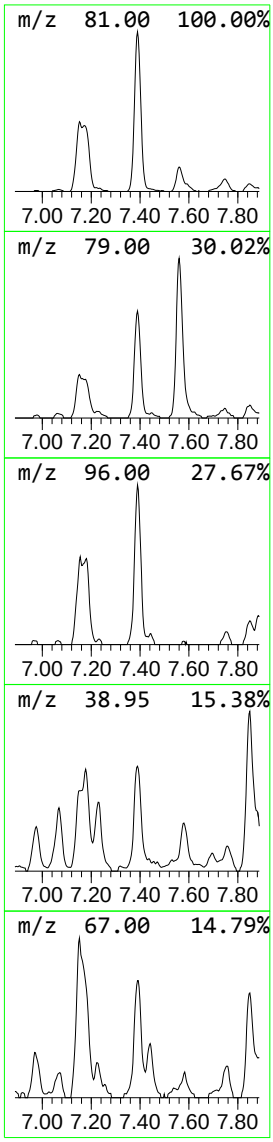
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Cyclobutane, (1-methylethyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.389	3.95 ug/L	144591	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	72
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72
4	2,3-Dimethyl-1,4-pentadiene	96	C7H12	000758-86-1	72
5	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

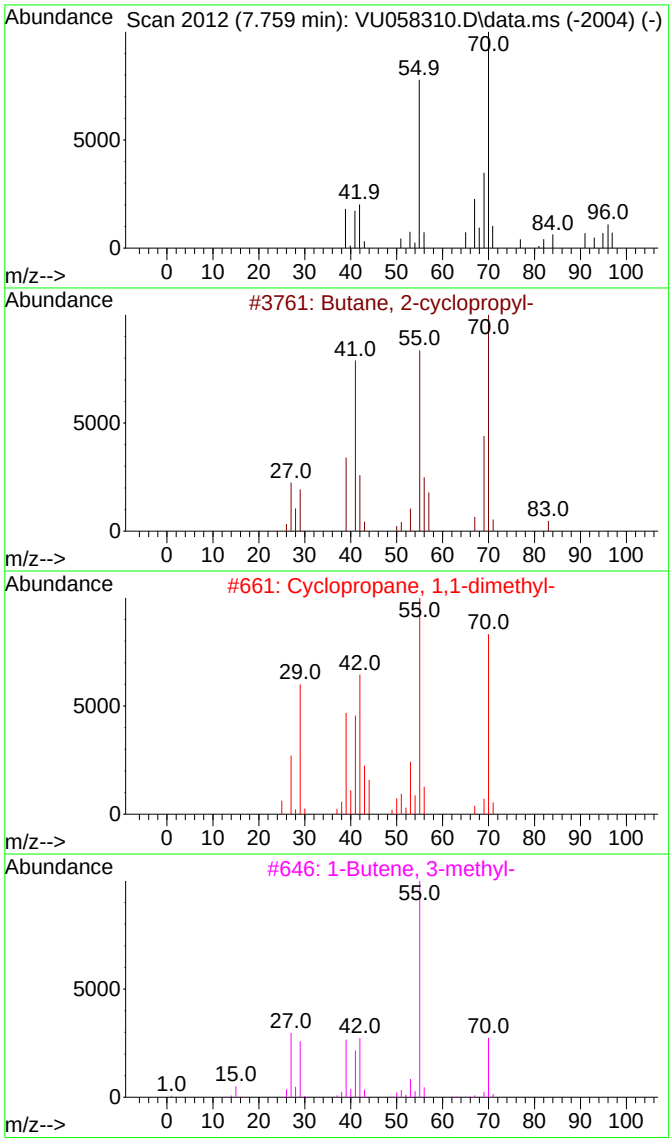
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

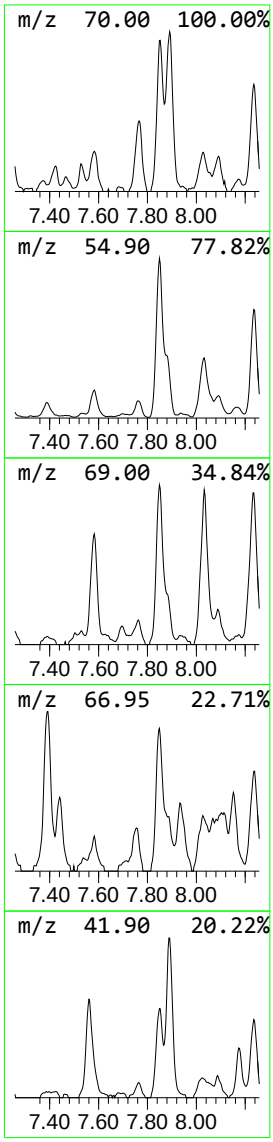
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic7.759 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.759	0.87 ug/L	31713	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	42
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	42
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	37
4	1-Heptene, 5-methyl-	112	C8H16	013151-04-7	36
5	2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	36





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

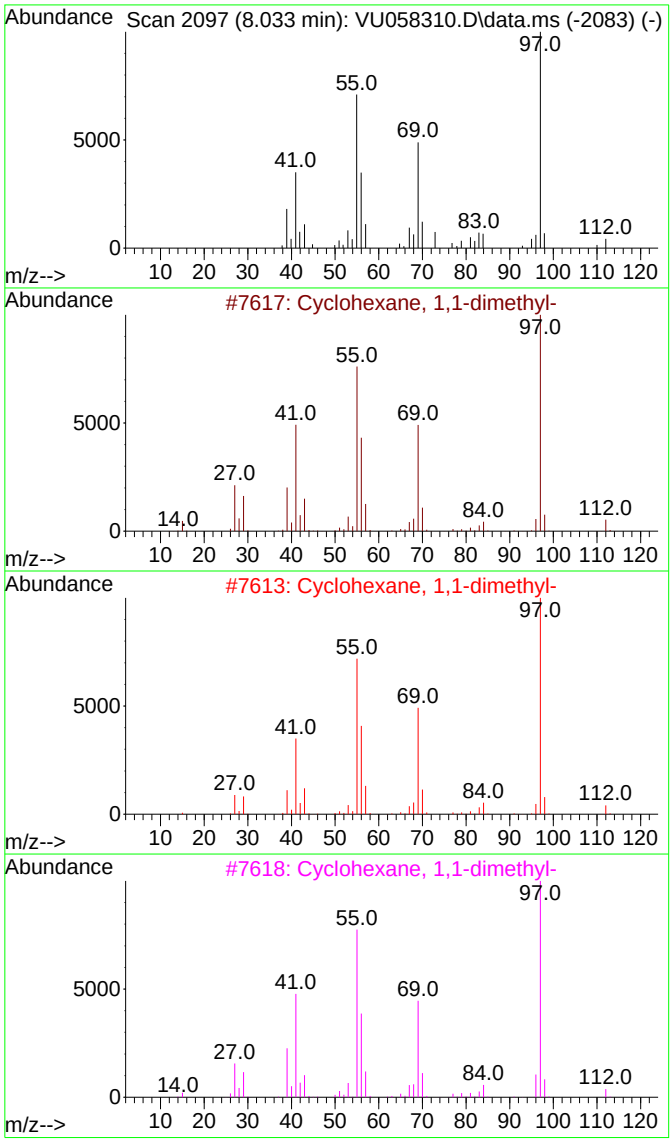
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

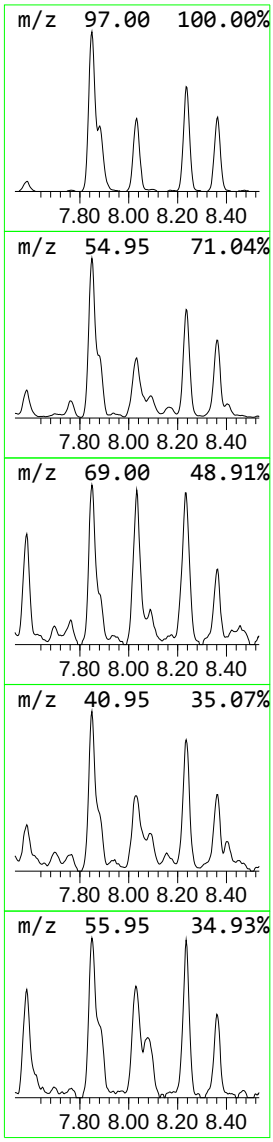
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic8.033 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.033	2.73 ug/L	128345	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	93
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	91
4	1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	64
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

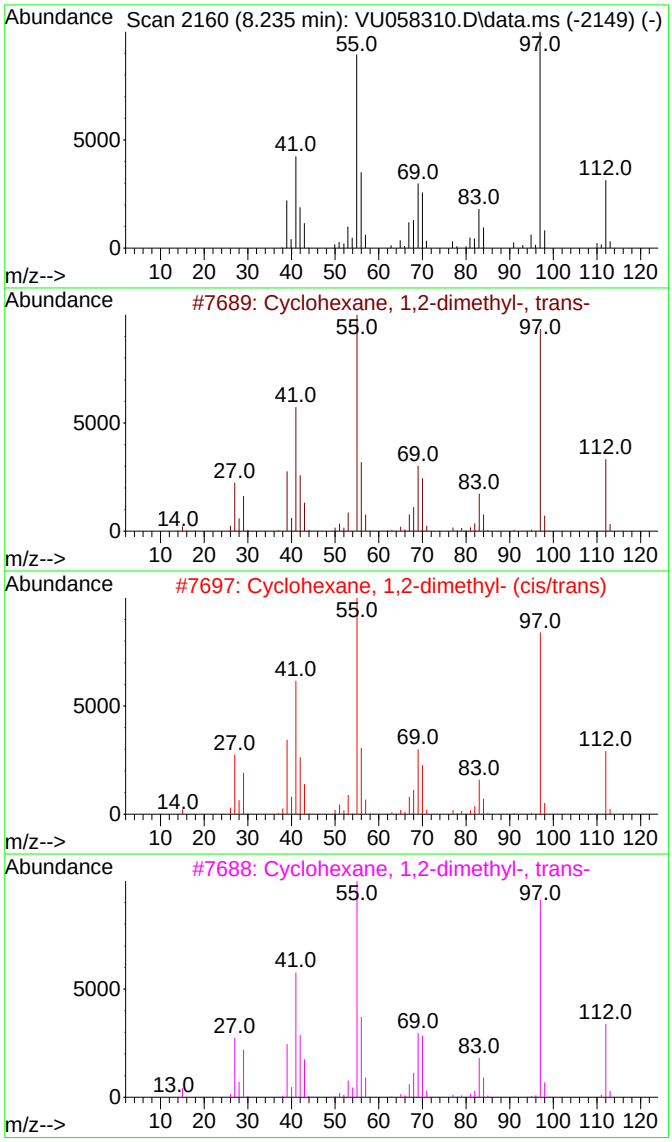
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

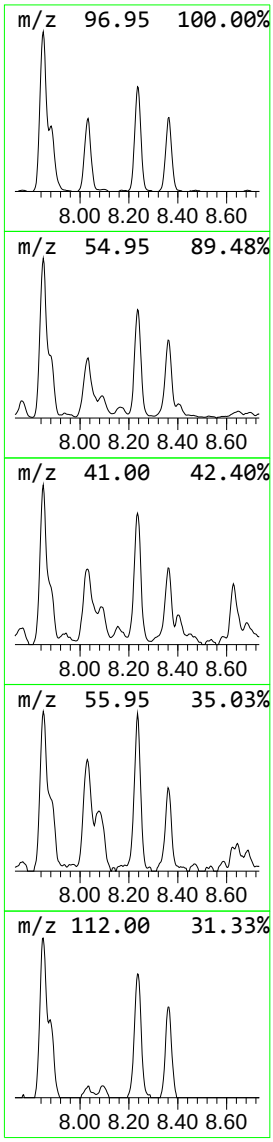
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic8.235 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.235	3.51 ug/L	164644	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	96
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

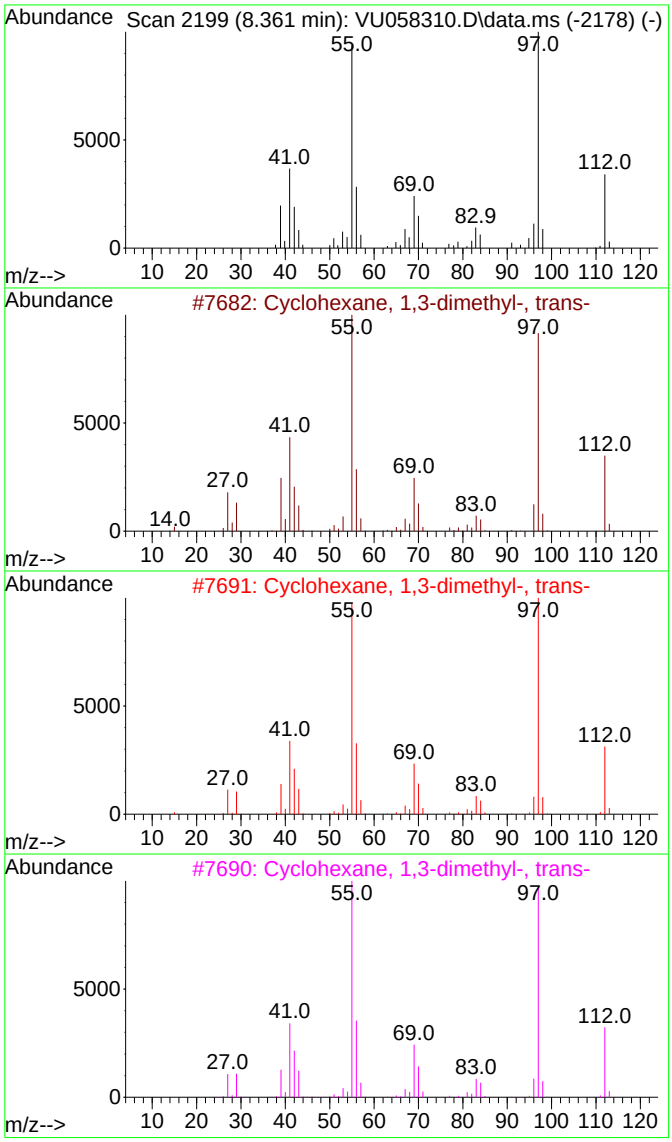
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

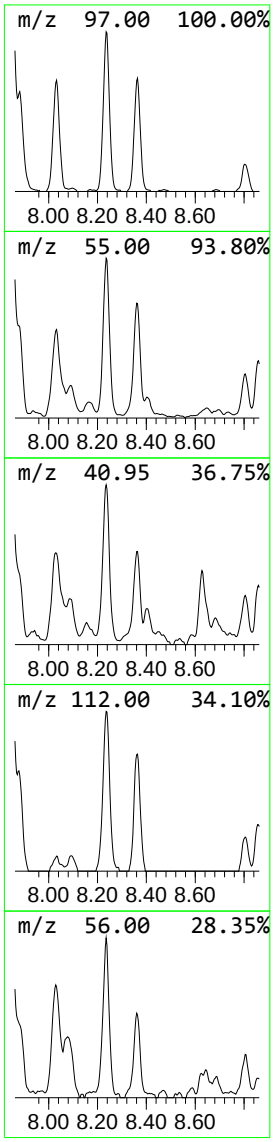
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic8.361 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.361	2.33 ug/L	109474	Chlorobenzene-d5	9.412

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

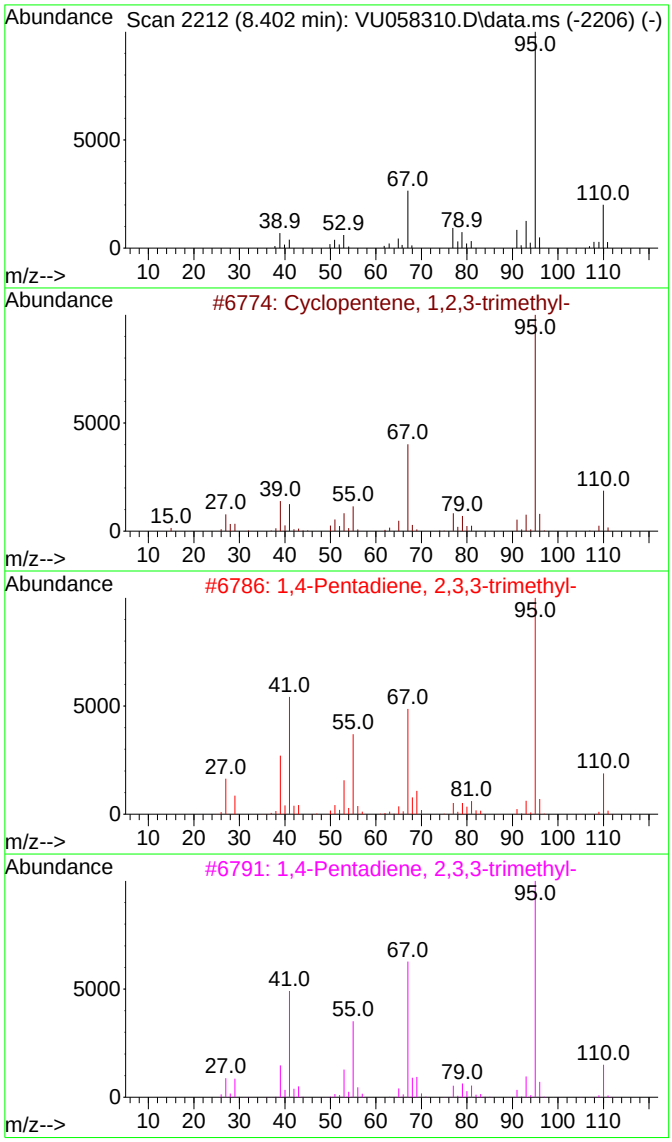
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

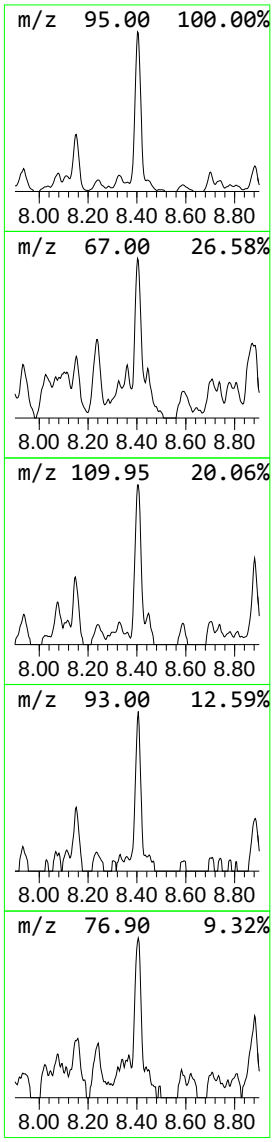
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.402	1.19 ug/L	56057	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
2	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	59
4	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	59
5	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

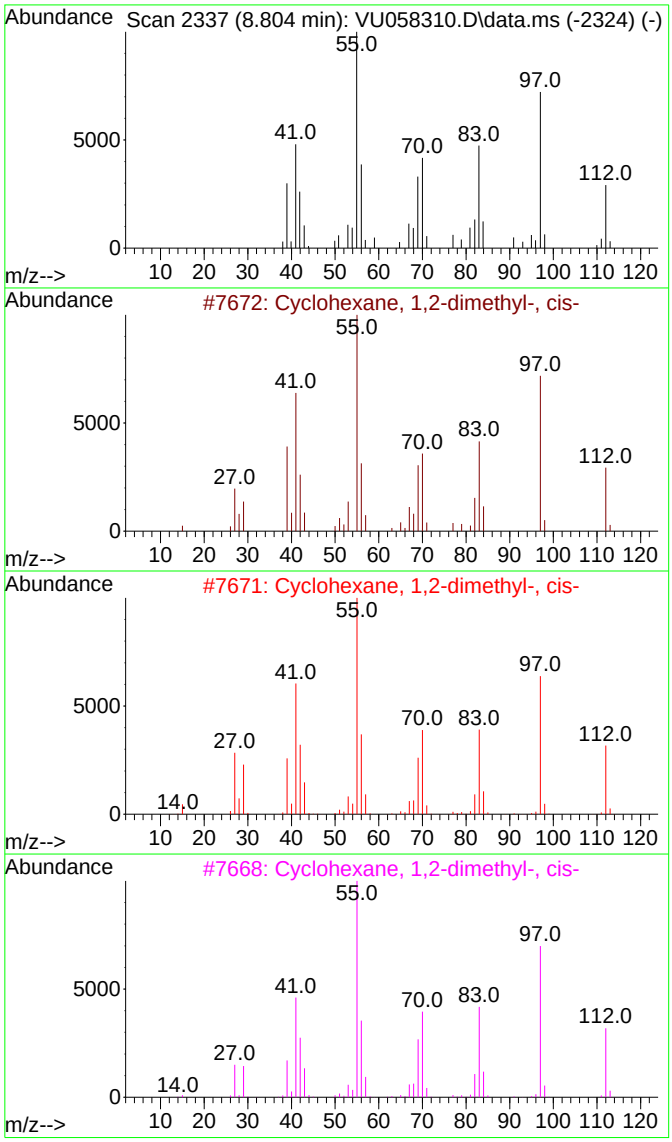
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

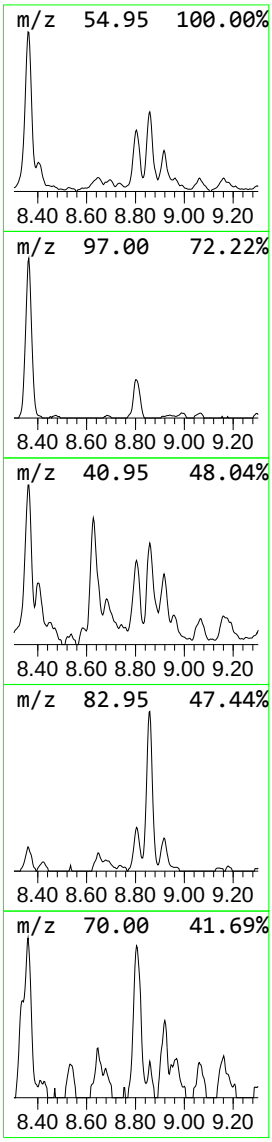
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic8.804 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.804	1.01 ug/L	47409	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	93
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

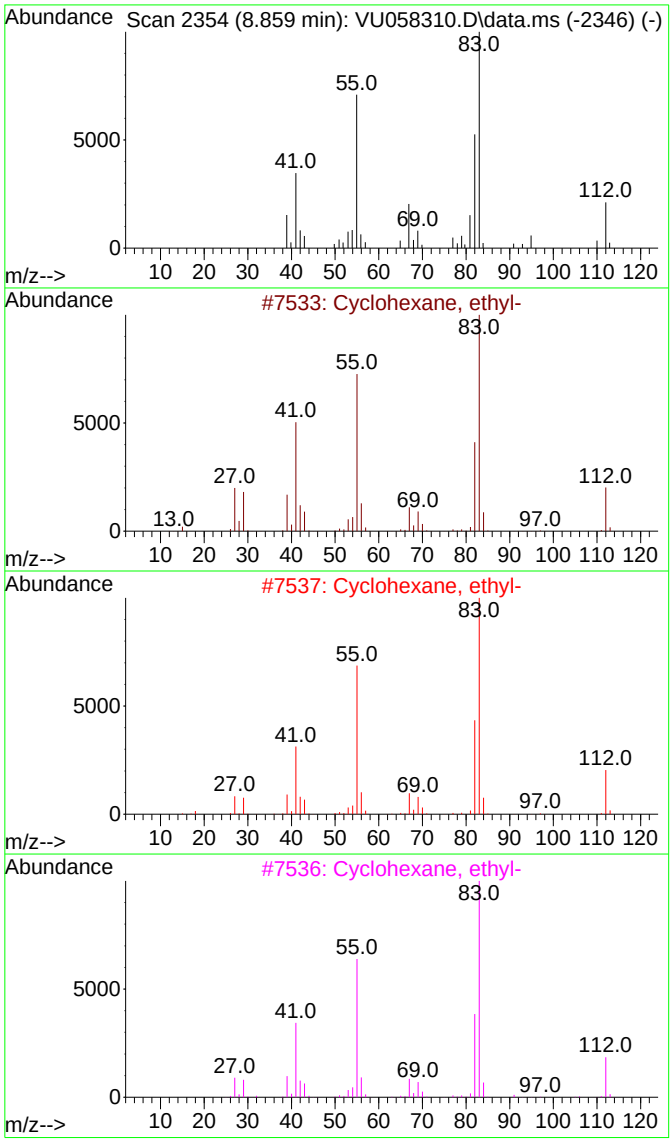
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

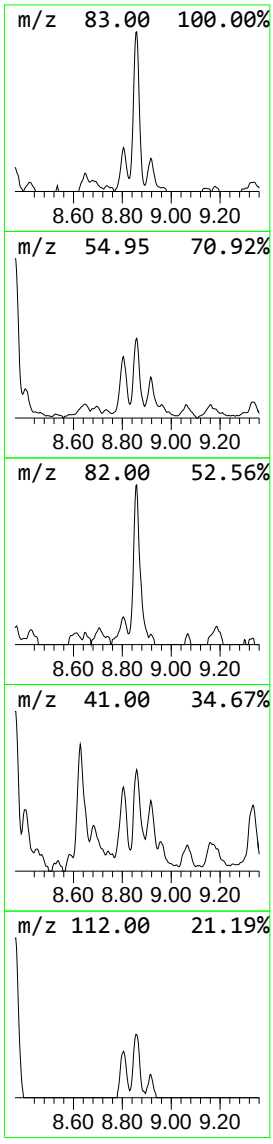
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic8.859 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.859	1.66 ug/L	77755	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

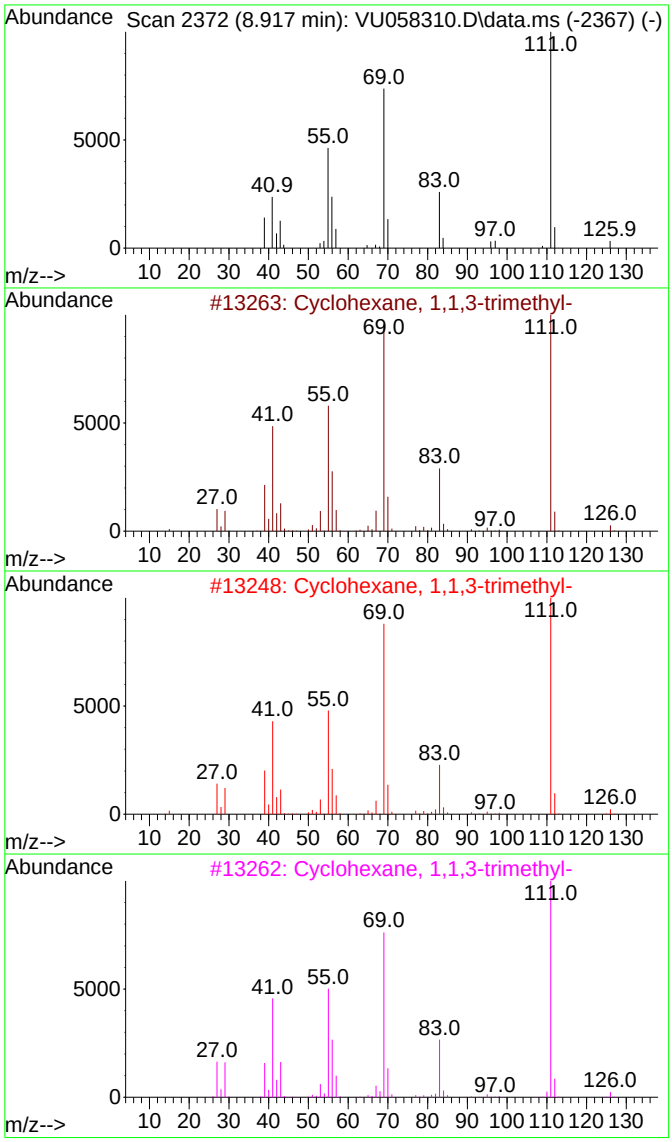
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

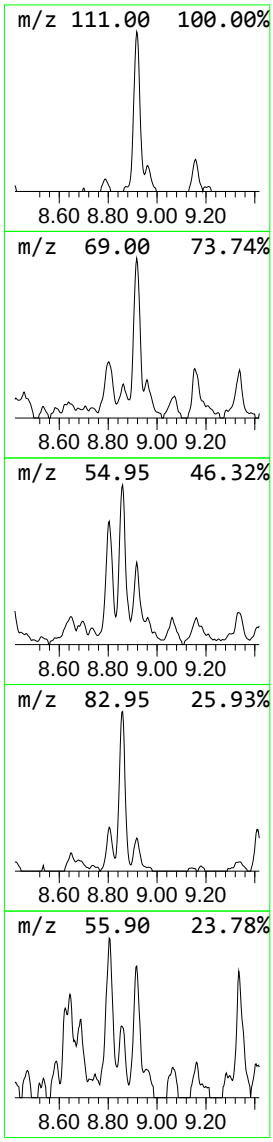
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic8.917 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.917	0.83 ug/L	39169	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

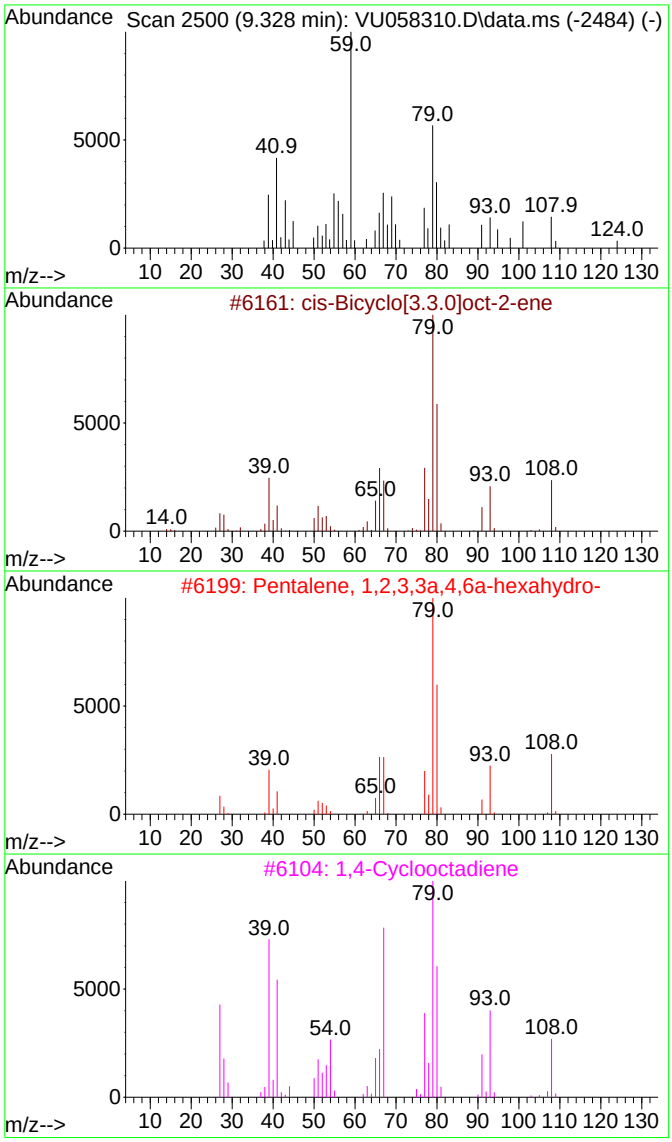
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

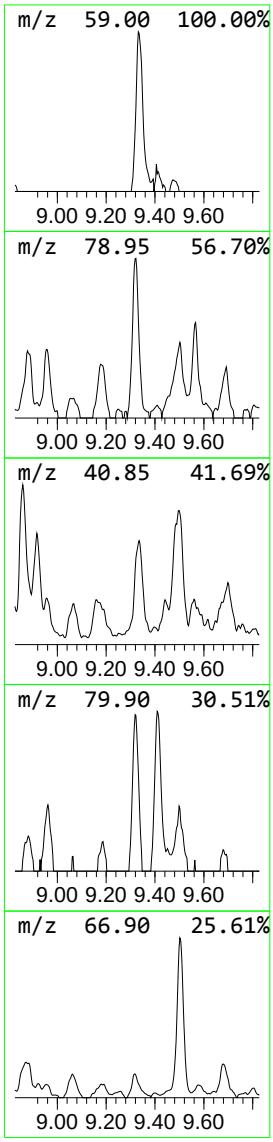
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 cis-Bicyclo[3.3.0]oct-2-ene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.328	1.16 ug/L	54552	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Bicyclo[3.3.0]oct-2-ene	108	C8H12	000930-99-4	80
2	Pentalene, 1,2,3,3a,4,6a-hexahydro-	108	C8H12	005549-09-7	30
3	1,4-Cyclooctadiene	108	C8H12	001073-07-0	25
4	1,3-Cyclooctadiene	108	C8H12	001700-10-3	25
5	1,4-Cyclooctadiene, (Z,Z)-	108	C8H12	016327-22-3	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

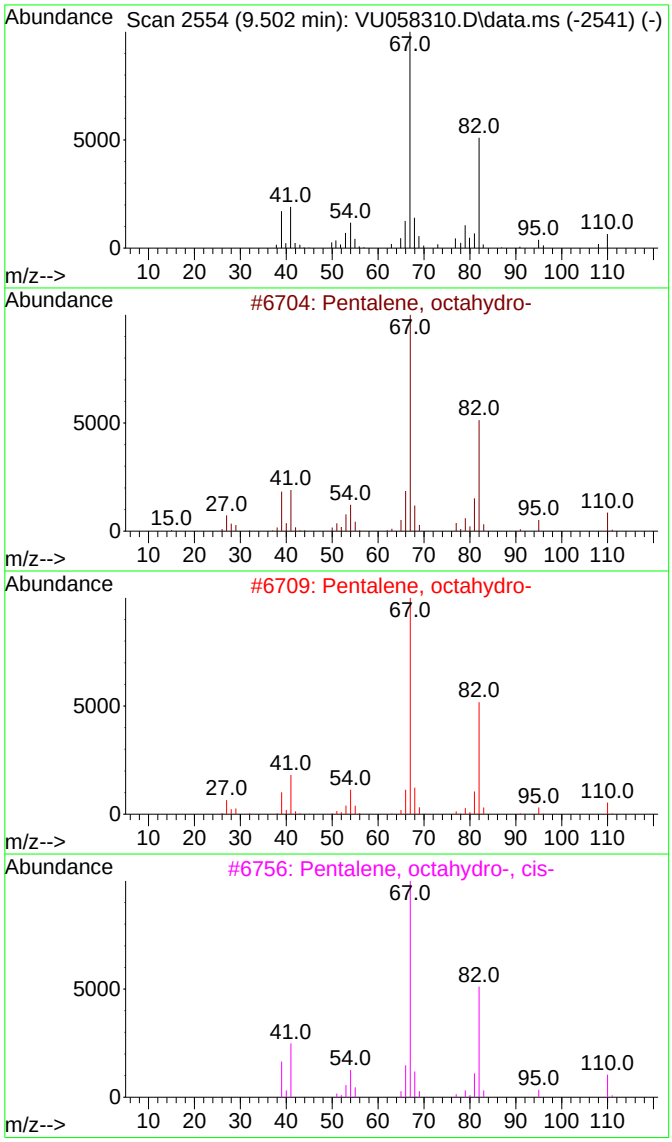
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

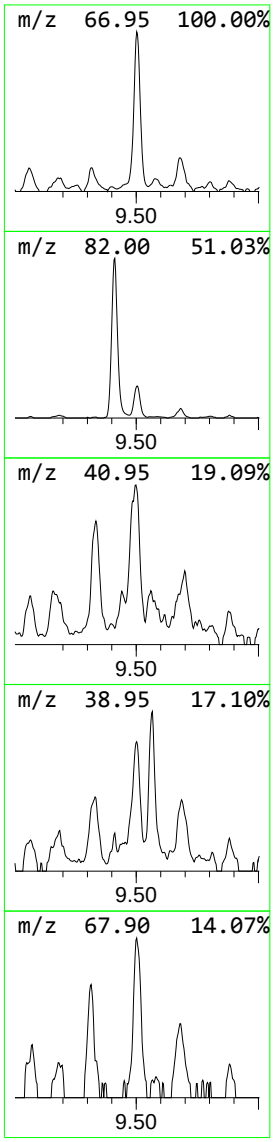
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Pentalene, octahydro- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.502	1.85 ug/L	87006	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	91
2	Pentalene, octahydro-	110	C8H14	000694-72-4	90
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	86
4	3,4-Nonadiene	124	C9H16	037050-03-6	72
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

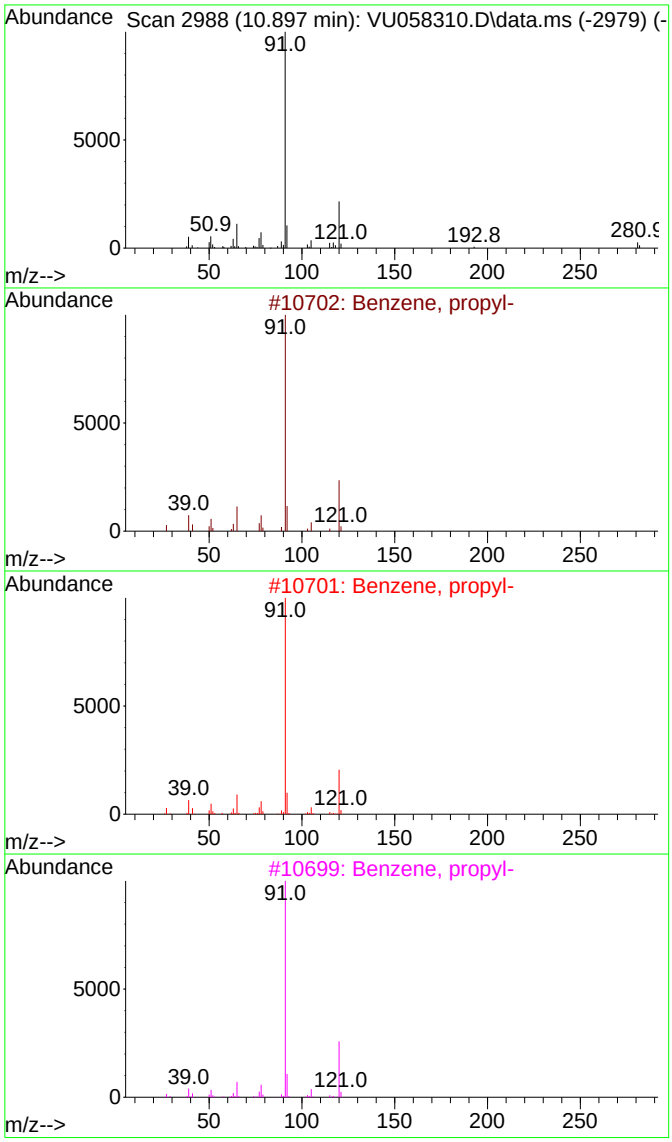
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

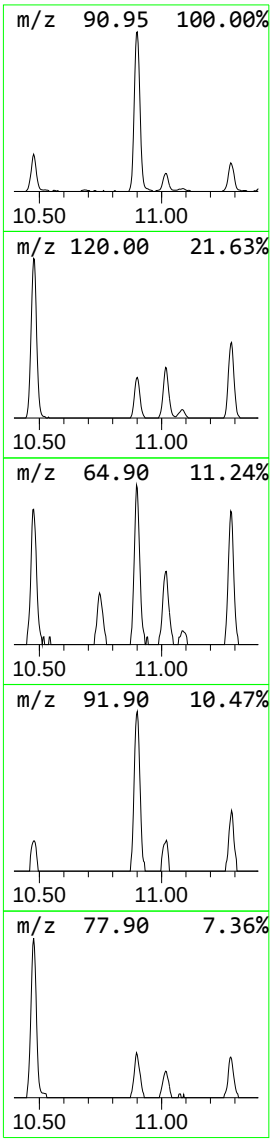
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, propyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.897	1.69 ug/L	74894	1,4-Dichlorobenzene-d4	11.804

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	87
3	Benzene, propyl-	120	C9H12	000103-65-1	80
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	Benzyl(2-chloroethyl)amine	169	C9H12ClN	042074-16-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

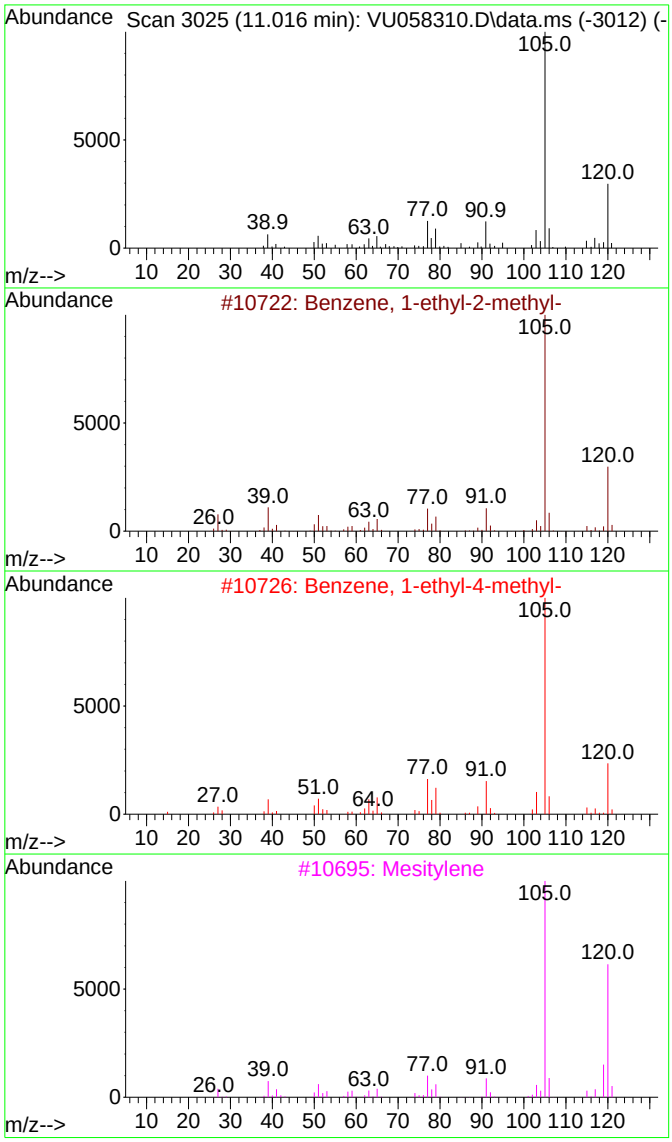
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

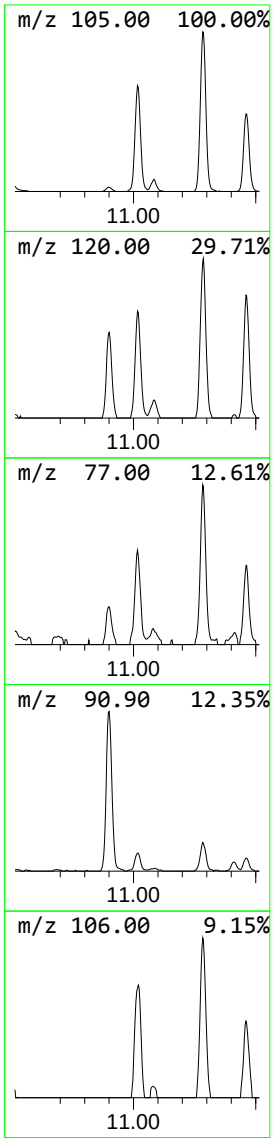
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 1-ethyl-2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.016	1.85 ug/L	81940	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

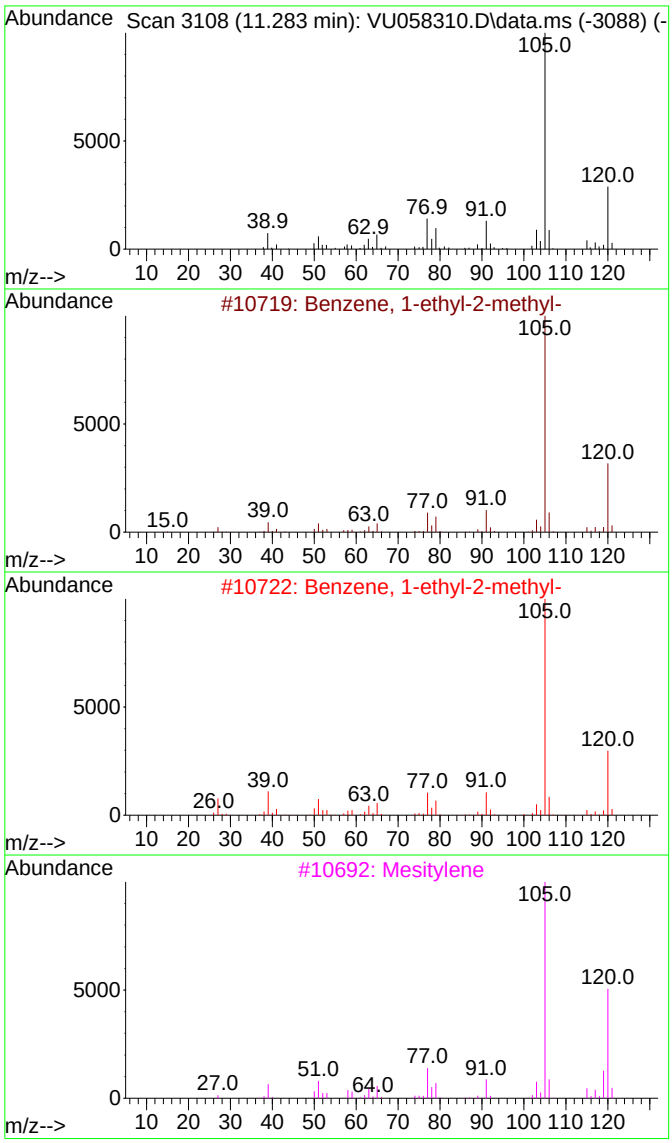
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

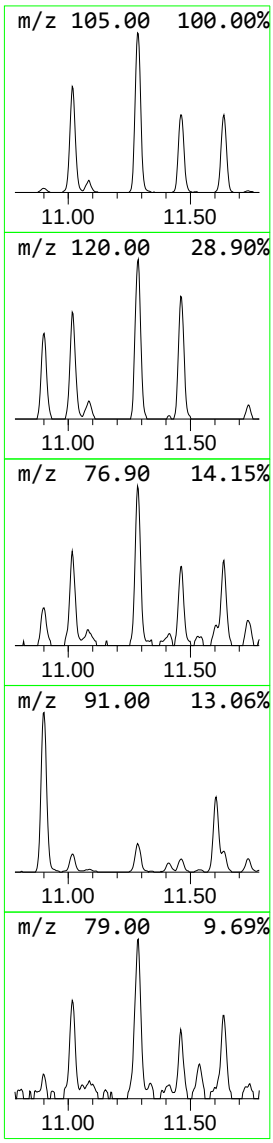
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, 1-ethyl-4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.283	2.82 ug/L	124765	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

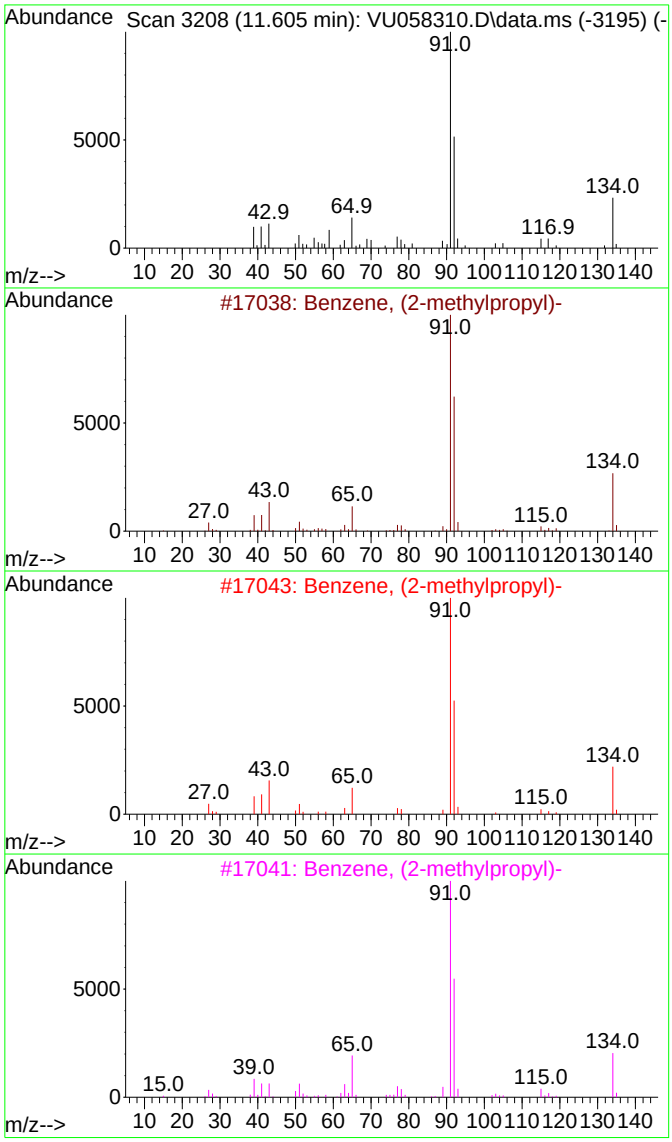
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

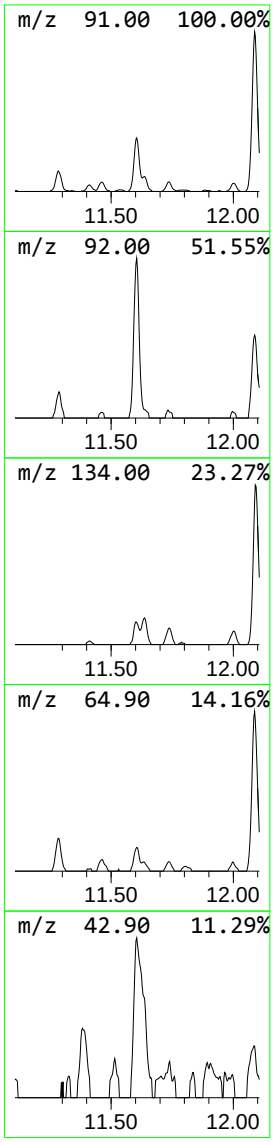
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, (2-methylpropyl)- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.605	1.03 ug/L	45603	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
5	Benzene, n-butyl-	134	C10H14	000104-51-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

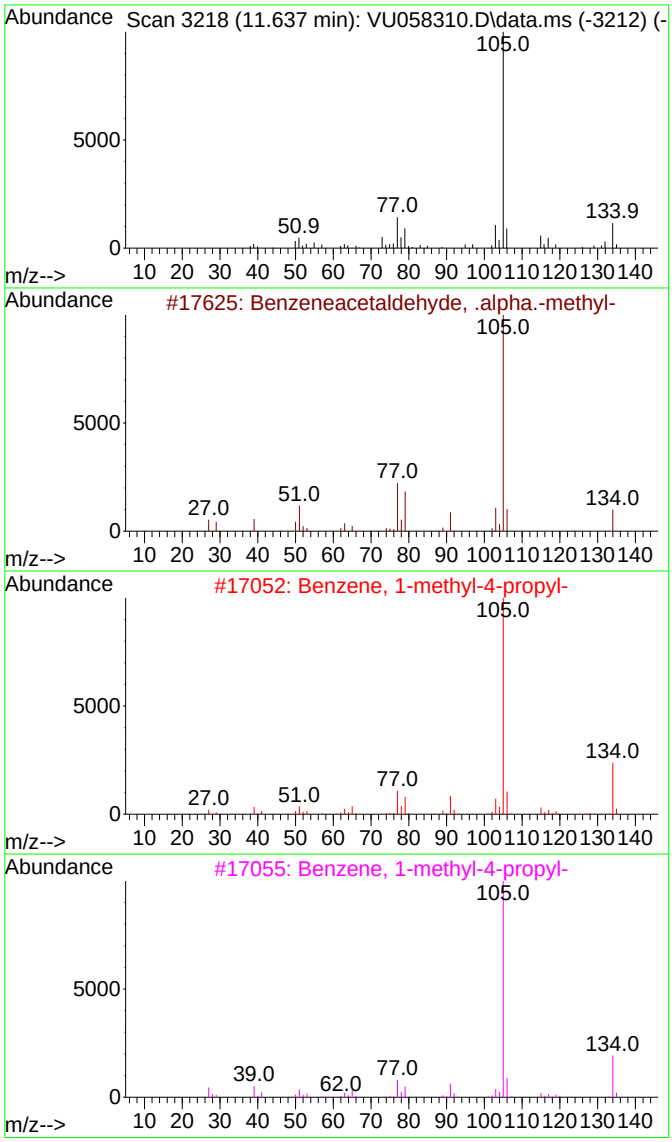
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

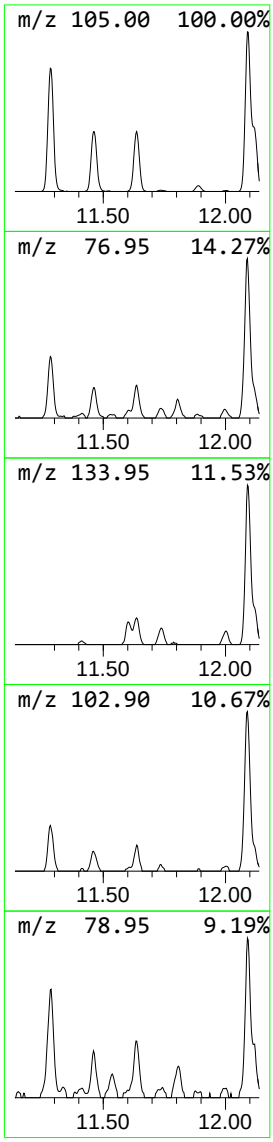
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzeneacetaldehyde, .alpha... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.637	1.52 ug/L	67181	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	83
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	78
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72
5	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

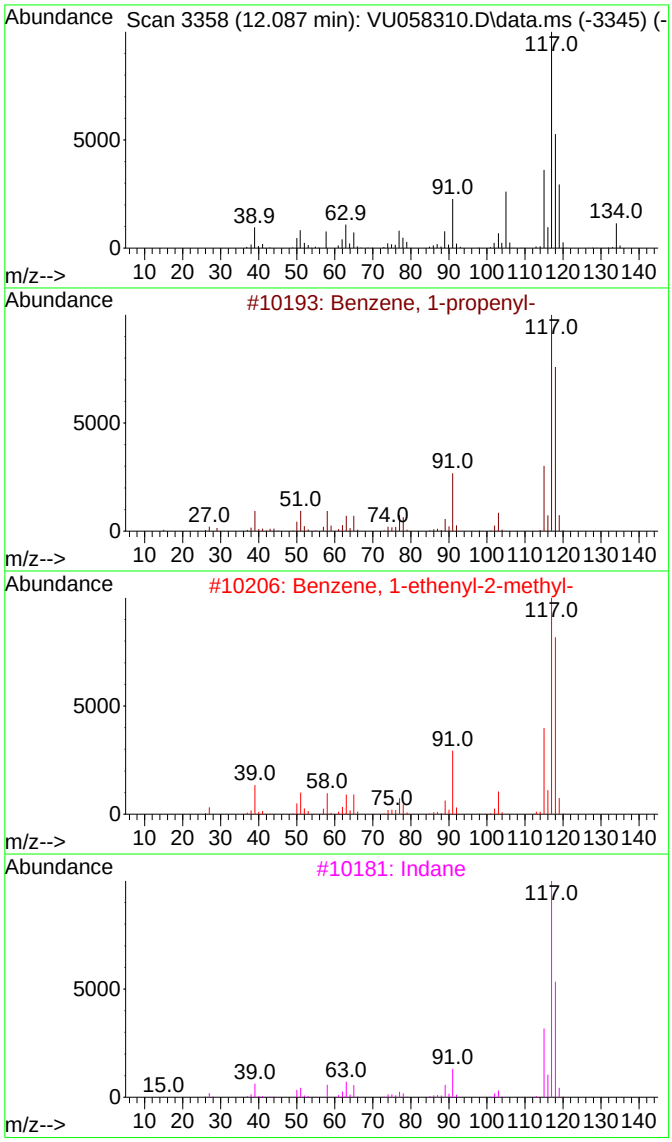
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

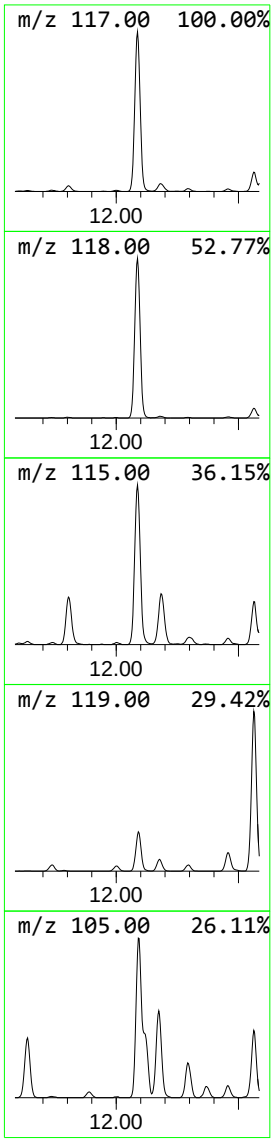
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 1-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.087	19.28 ug/L	854251	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
3	Indane	118	C9H10	000496-11-7	70
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

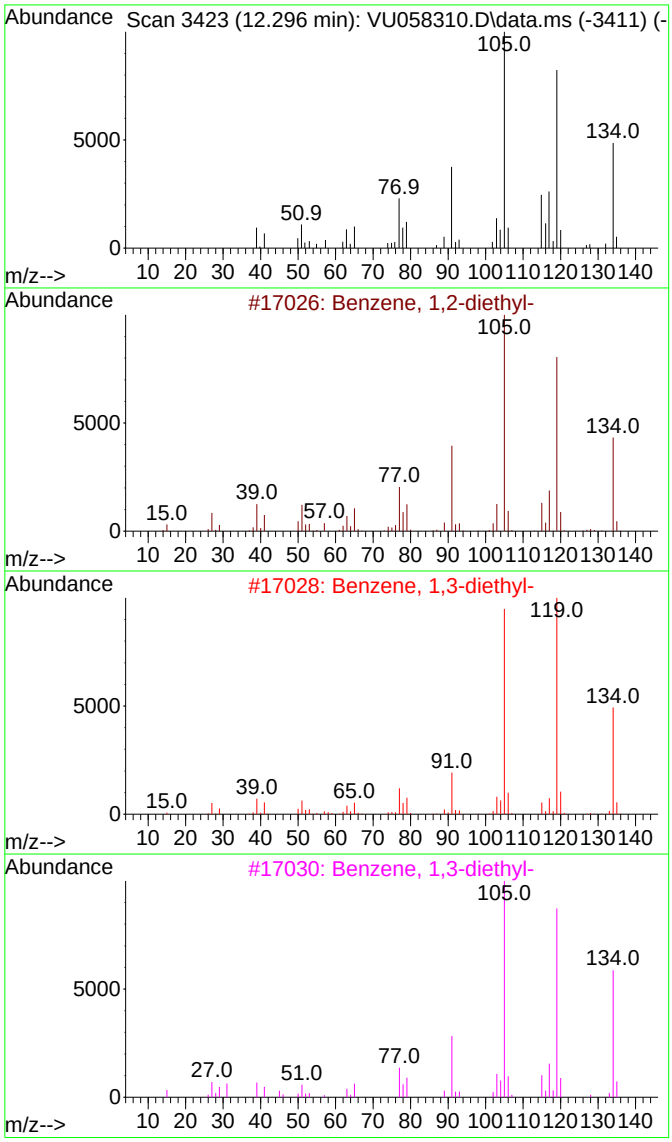
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

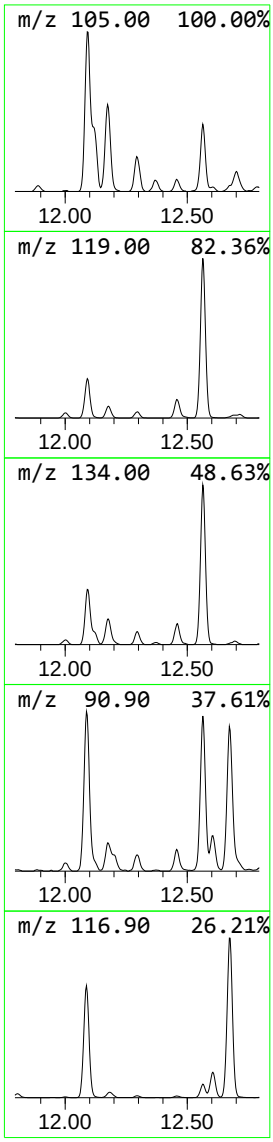
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1,2-diethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.296	1.47 ug/L	65047	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	83
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	81
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

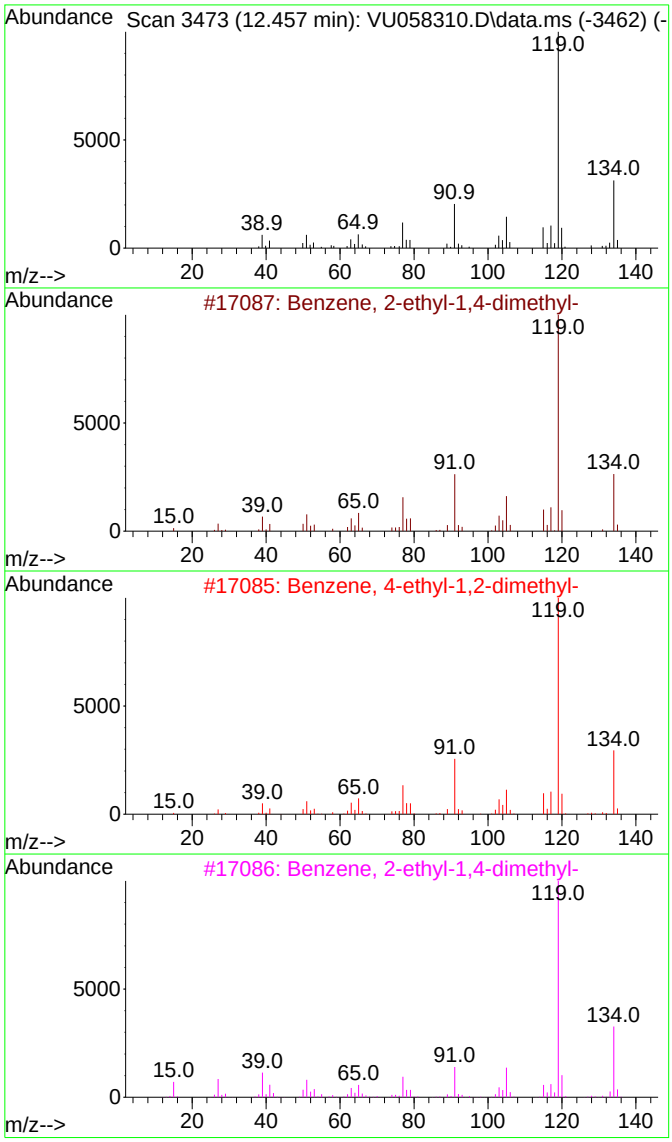
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

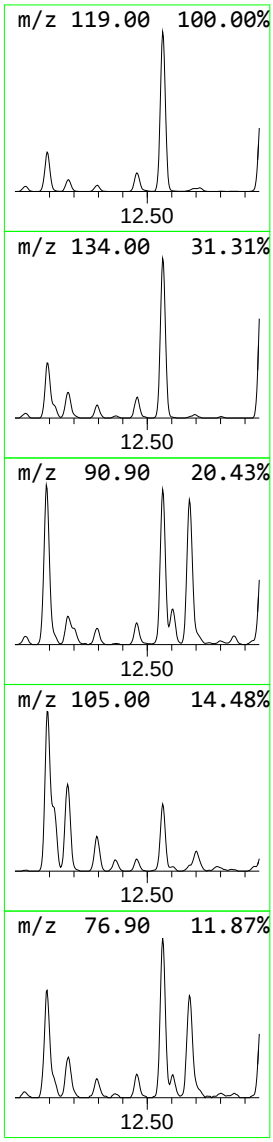
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	1.94 ug/L	85757	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

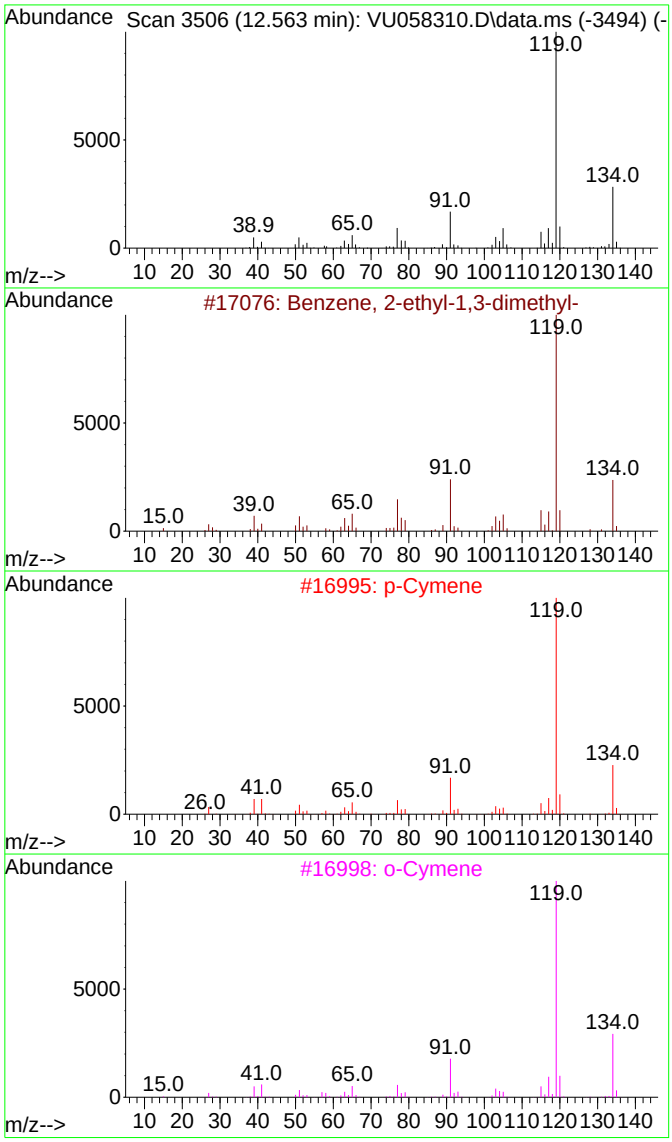
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

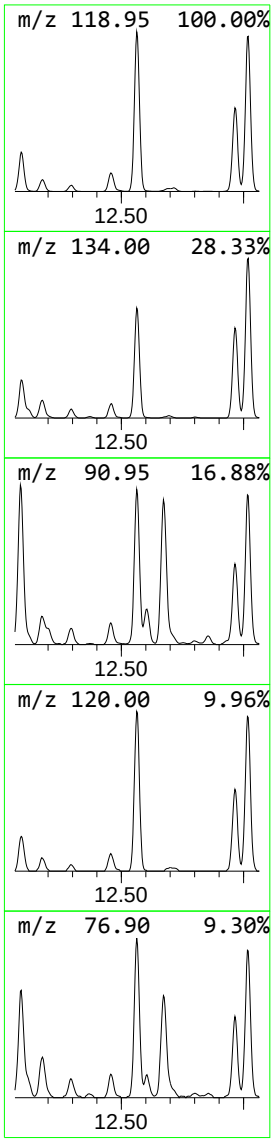
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.563	14.36 ug/L	636338	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

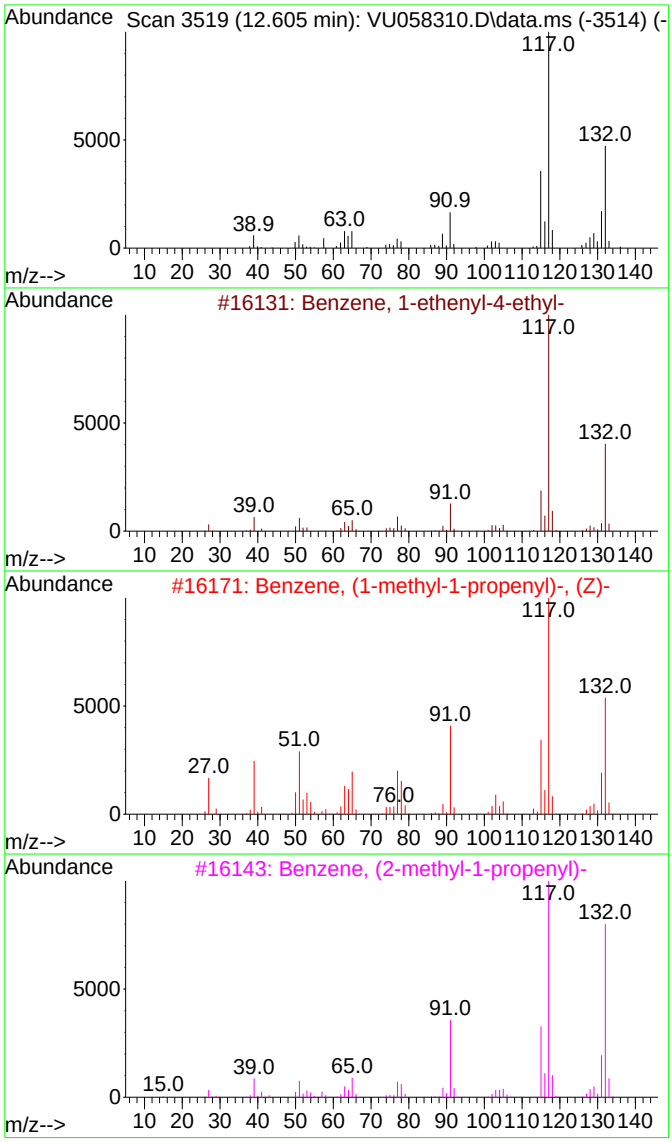
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

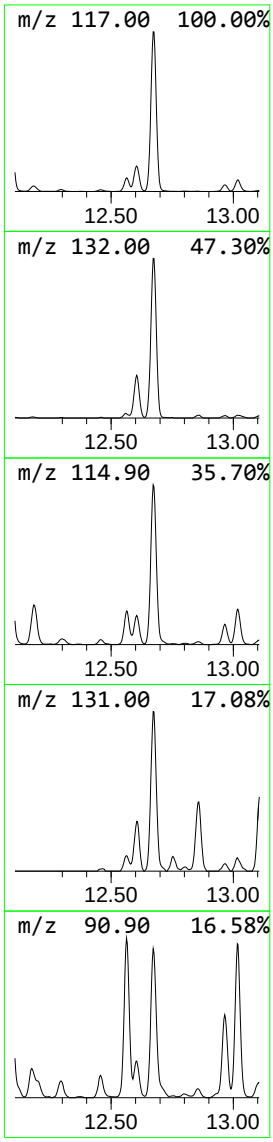
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.605	3.44 ug/L	152641	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

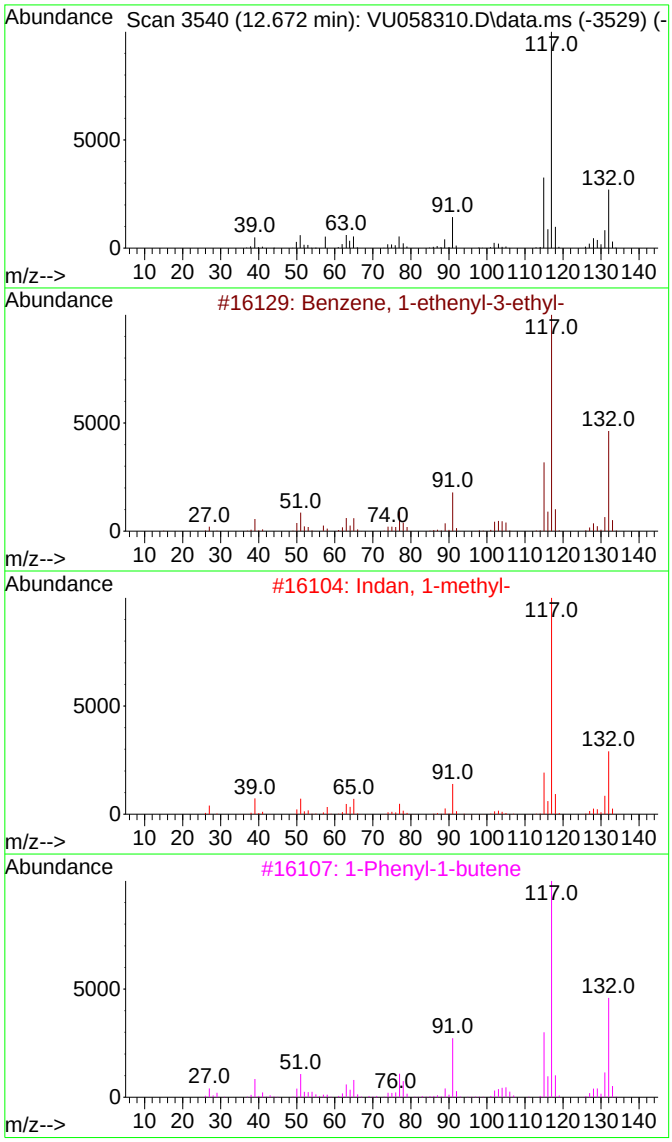
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

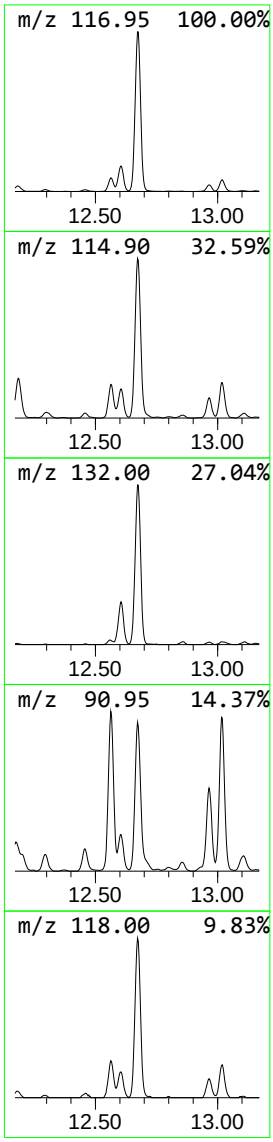
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.672	18.74 ug/L	830391	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

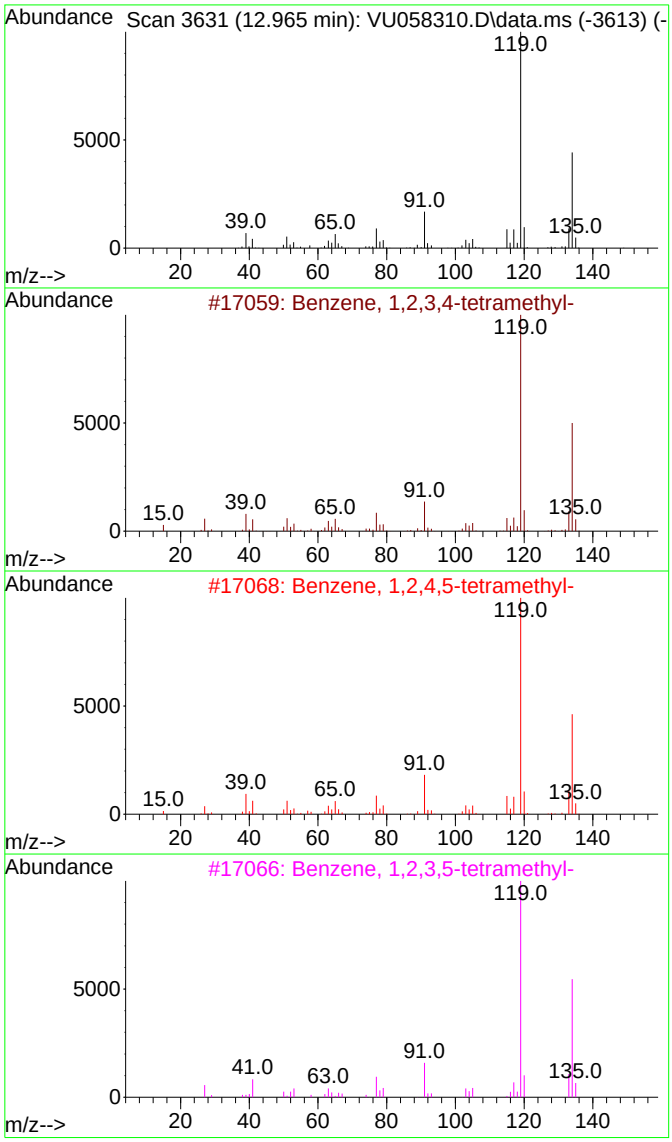
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

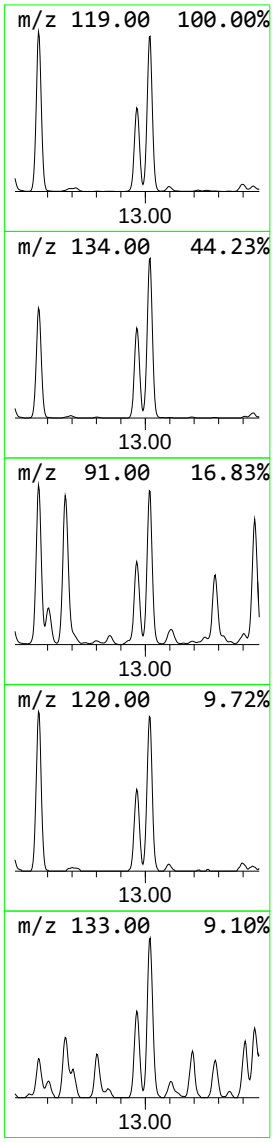
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.965	8.40 ug/L	372381	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

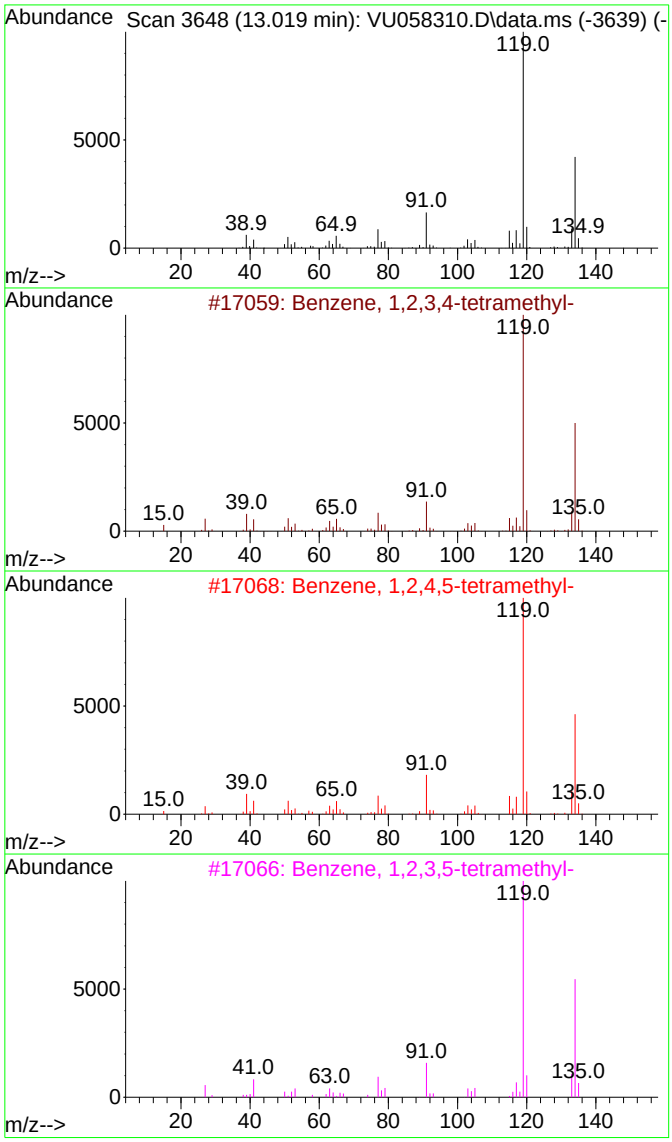
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

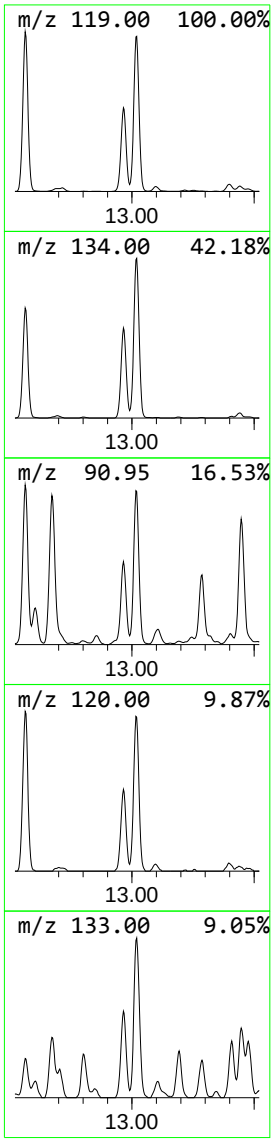
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.020	15.07 ug/L	667690	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

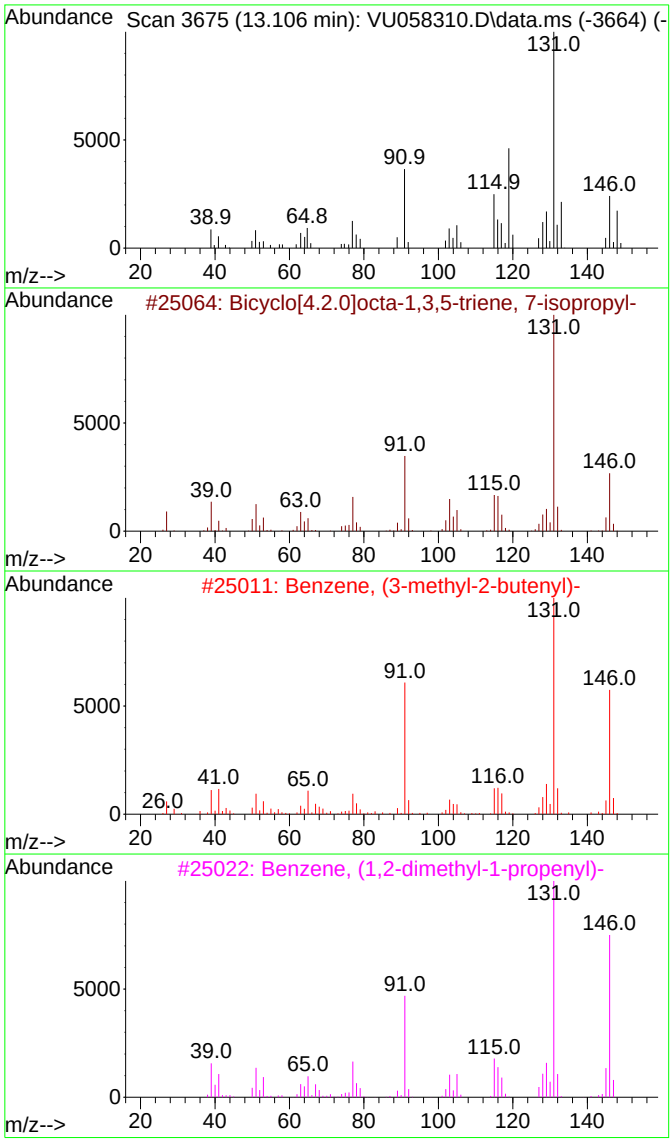
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

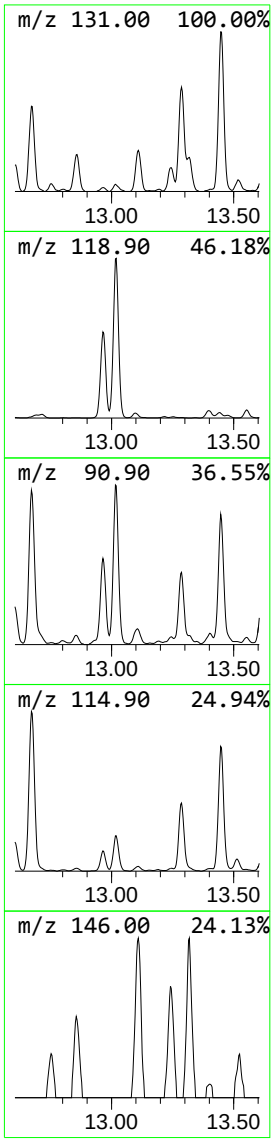
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.106	1.33 ug/L	59097	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	92
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	83
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	83
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

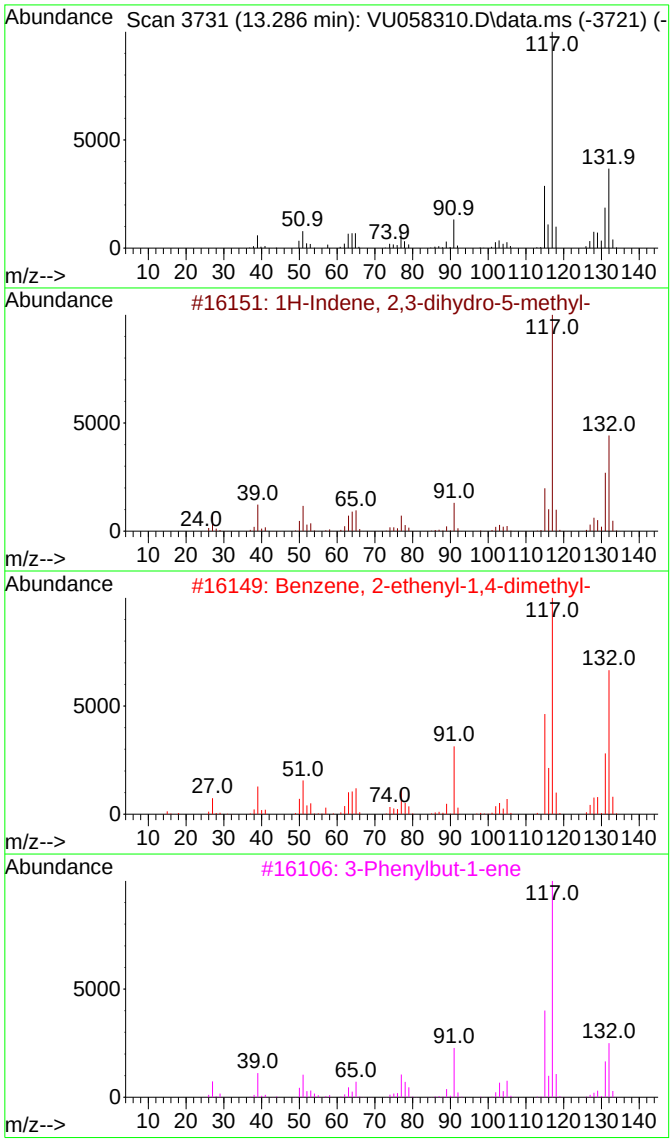
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

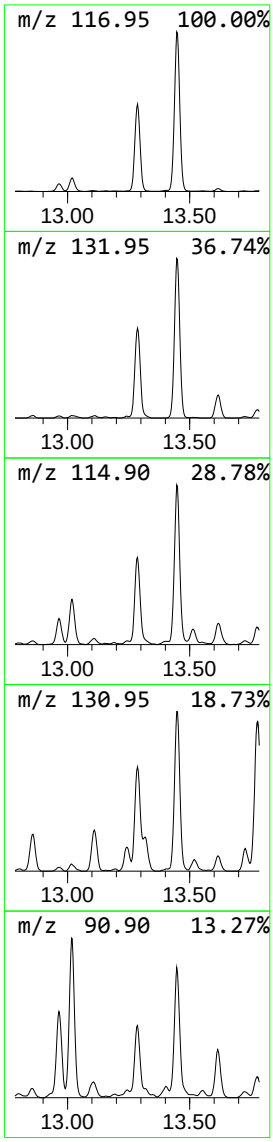
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	10.44 ug/L	462677	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

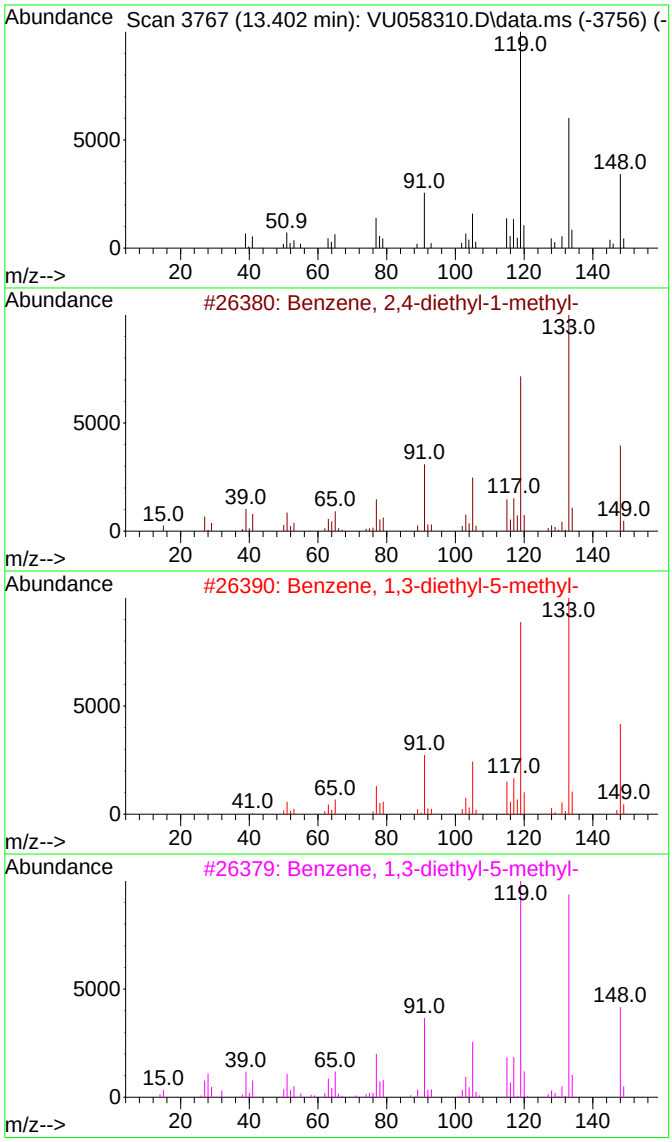
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

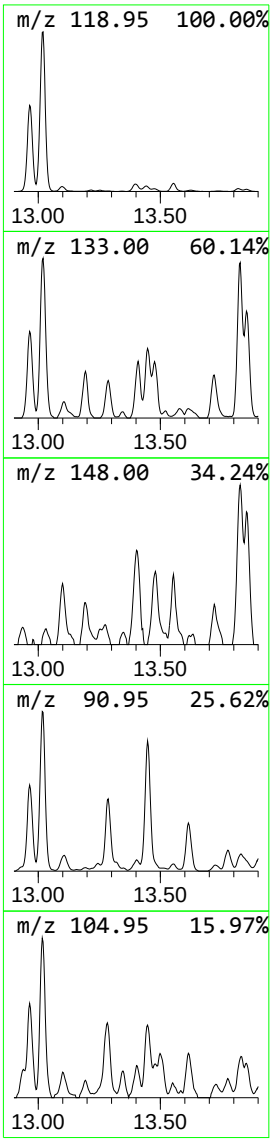
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.402	1.08 ug/L	47940	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	95
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	93
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	58
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	55
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

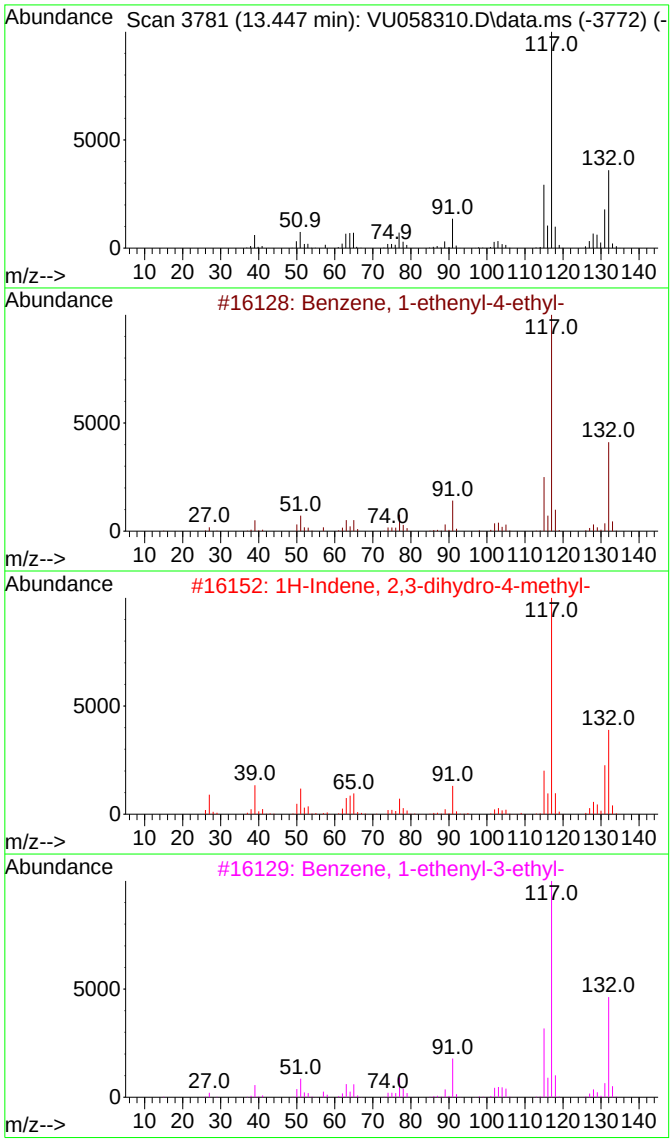
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

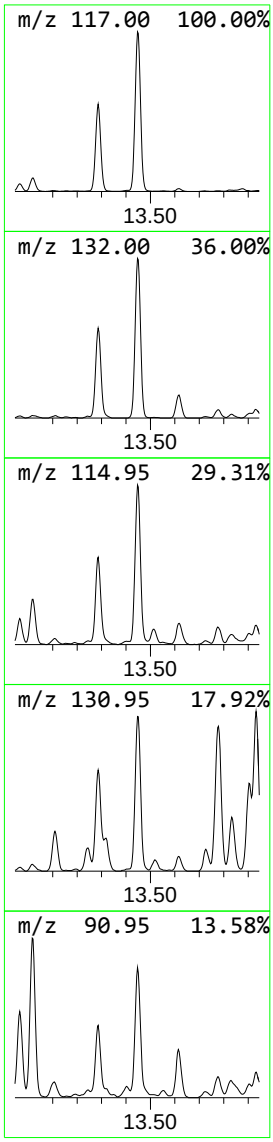
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.447	17.99 ug/L	797323	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

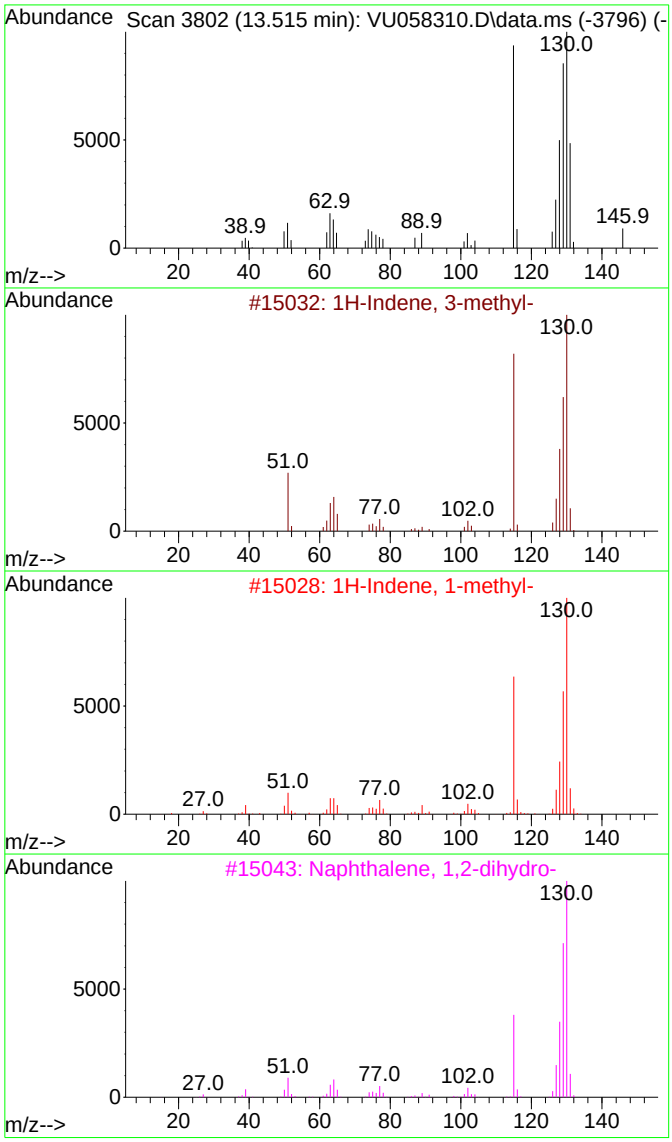
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

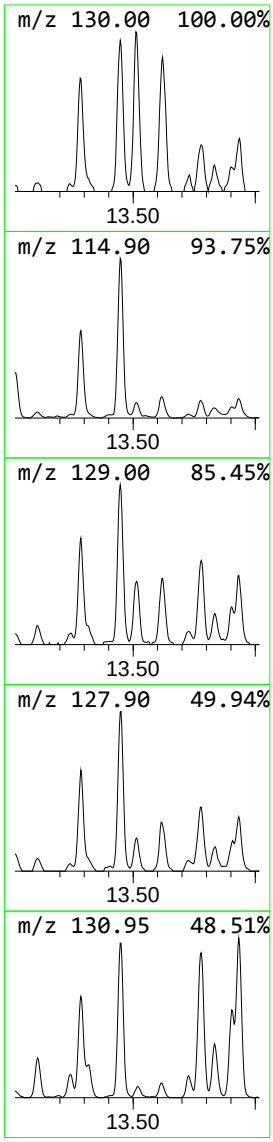
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 1H-Indene, 3-methyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.515	1.00 ug/L	44129	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	76
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	76
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	76
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	76
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

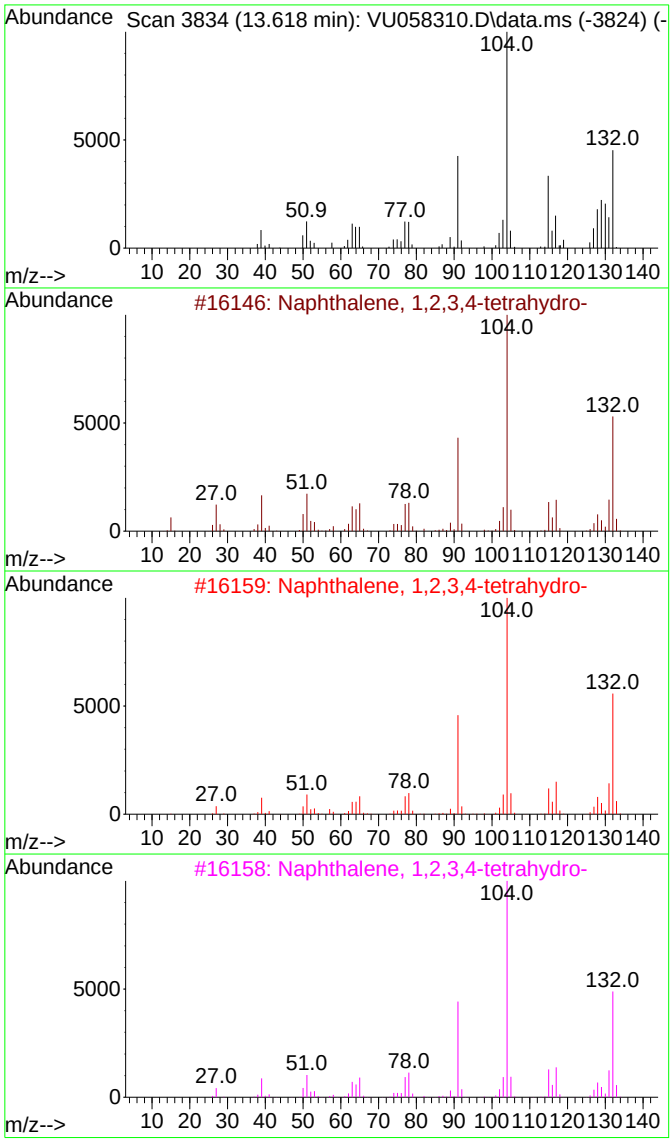
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

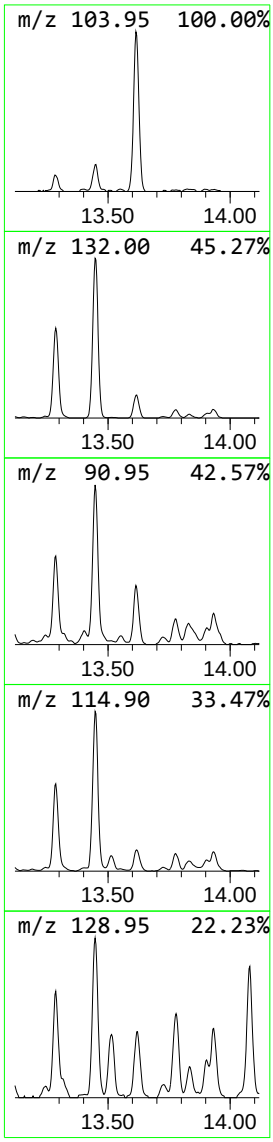
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.618	3.28 ug/L	145351	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	92
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

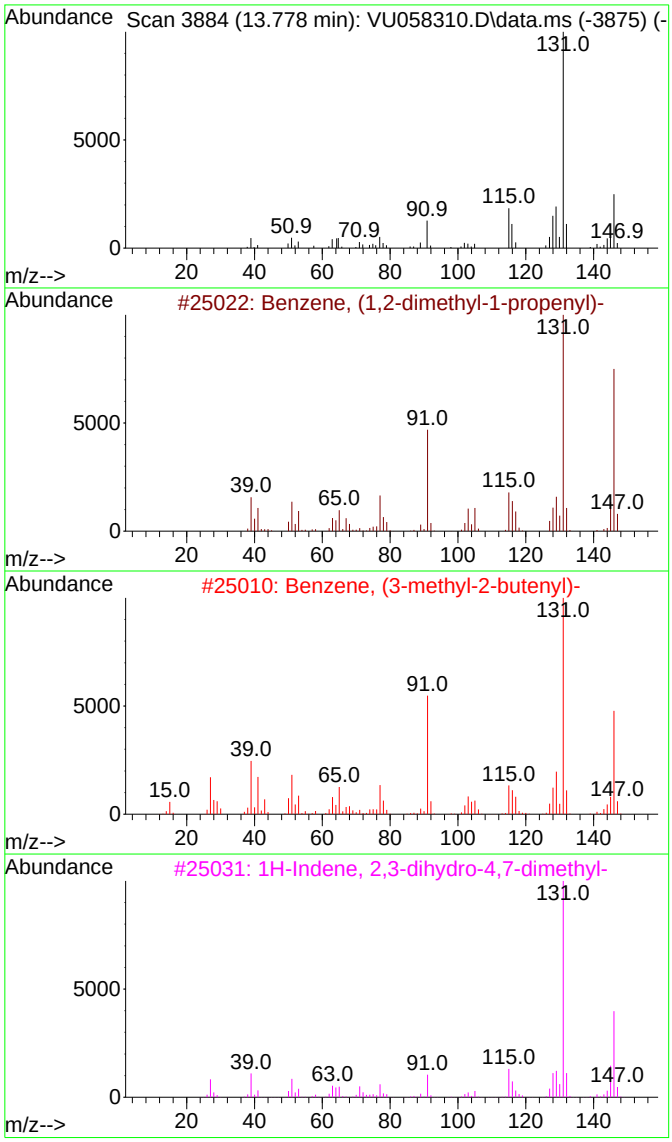
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

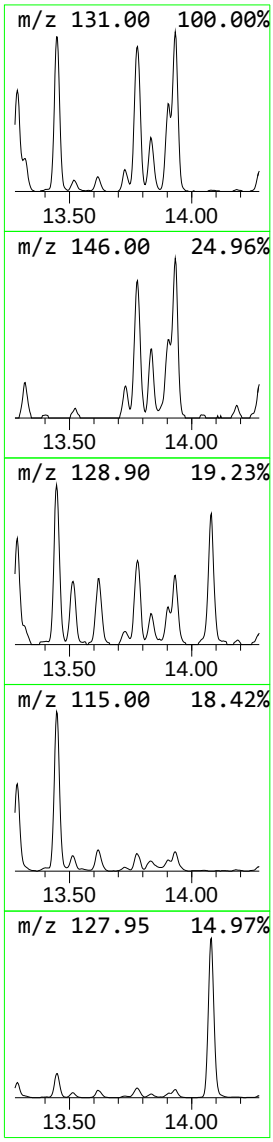
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.778	3.14 ug/L	139084	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

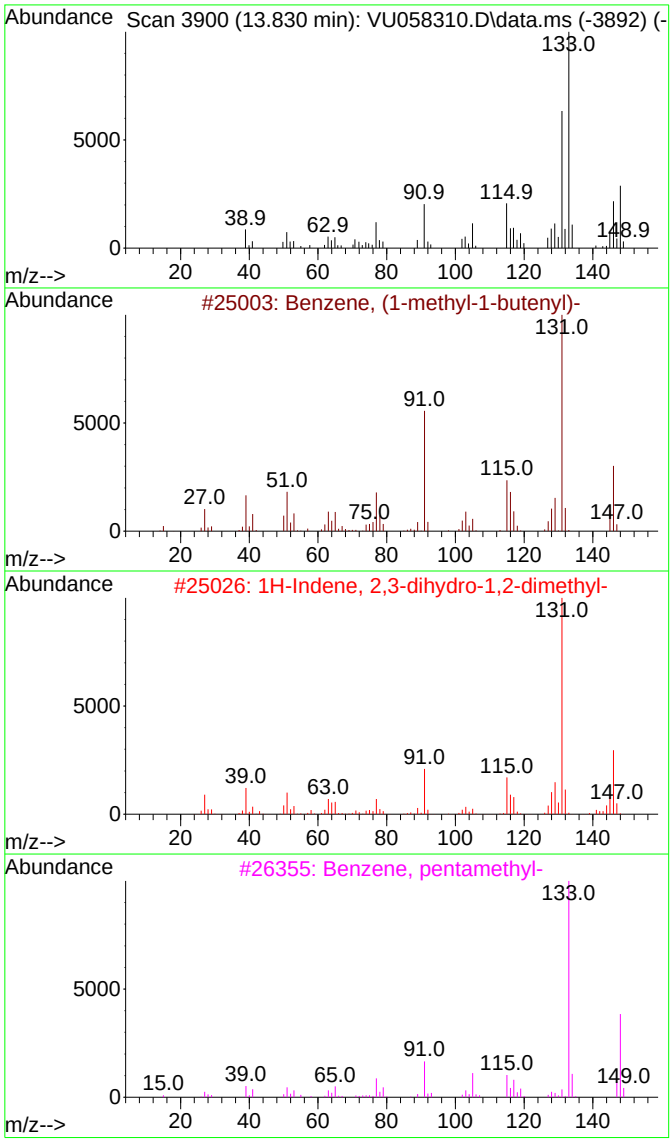
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

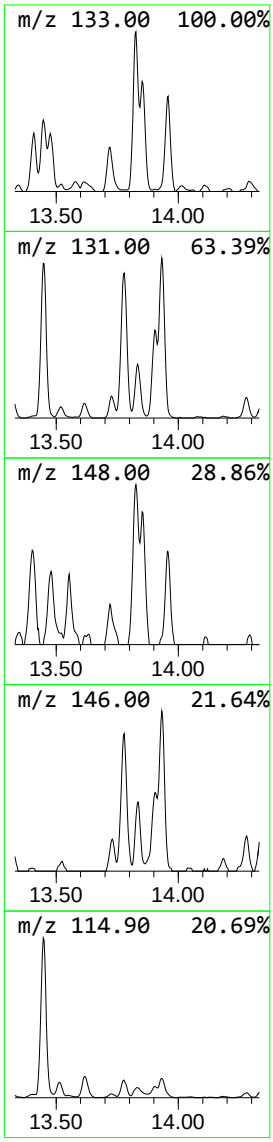
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 Benzene, (1-methyl-1-butenyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.830	3.53 ug/L	156297	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	66
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	62
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	53
5	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

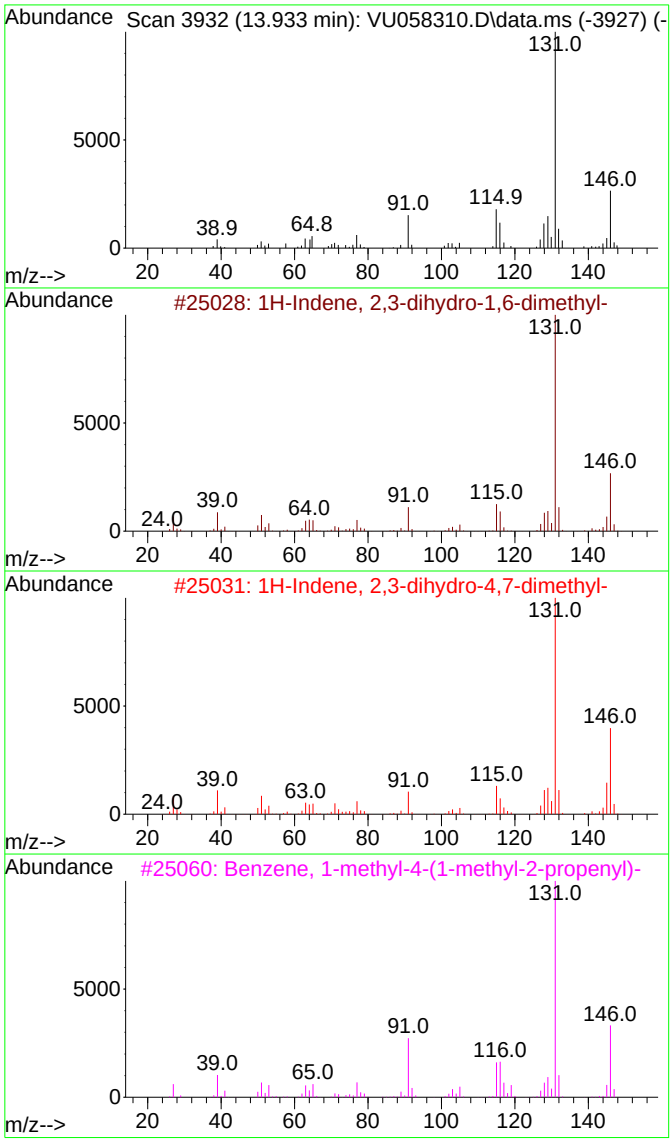
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

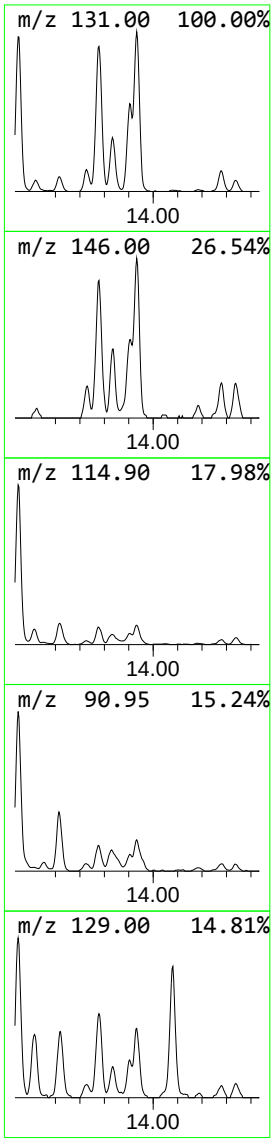
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.933	3.58 ug/L	158566	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

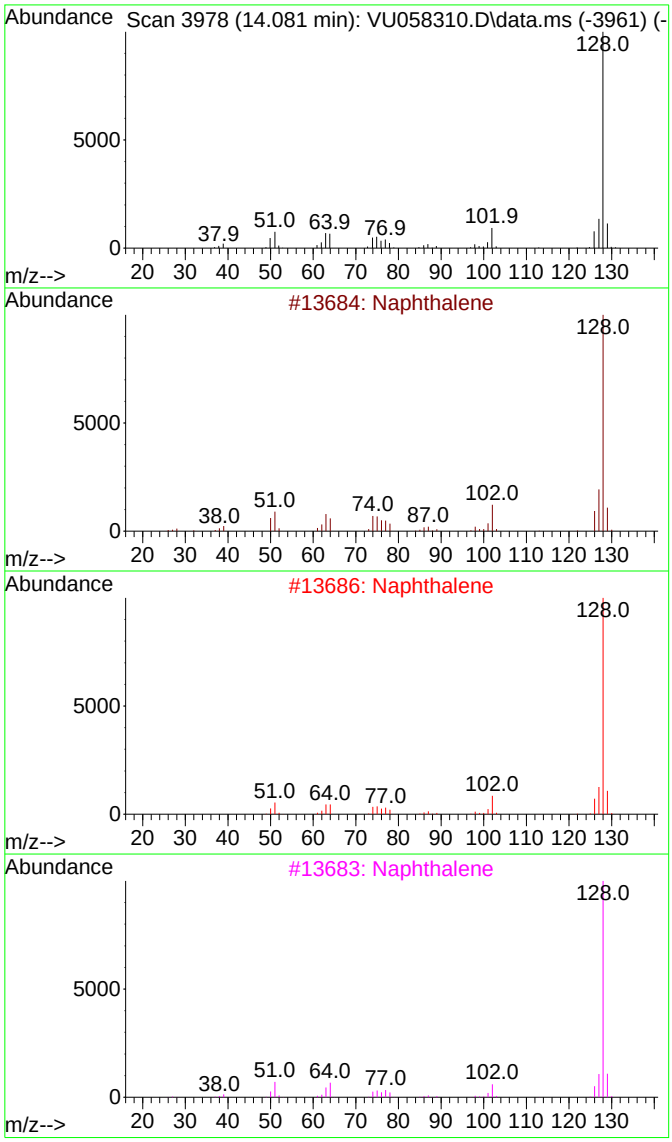
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

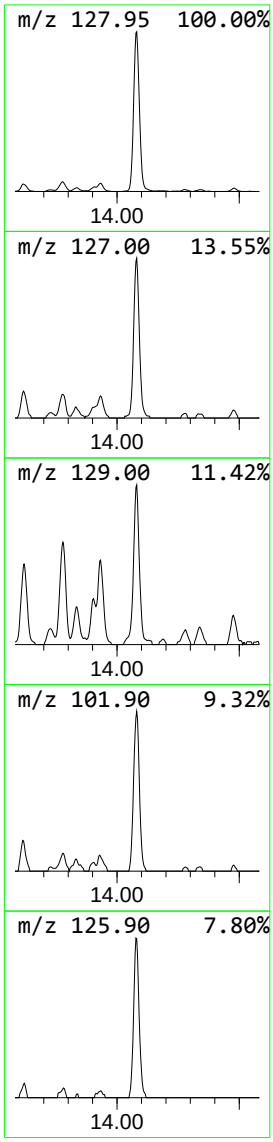
****

Peak Number 63 Azulene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.081	5.46 ug/L	241959	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	97
2	Naphthalene	128	C10H8	000091-20-3	95
3	Naphthalene	128	C10H8	000091-20-3	94
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

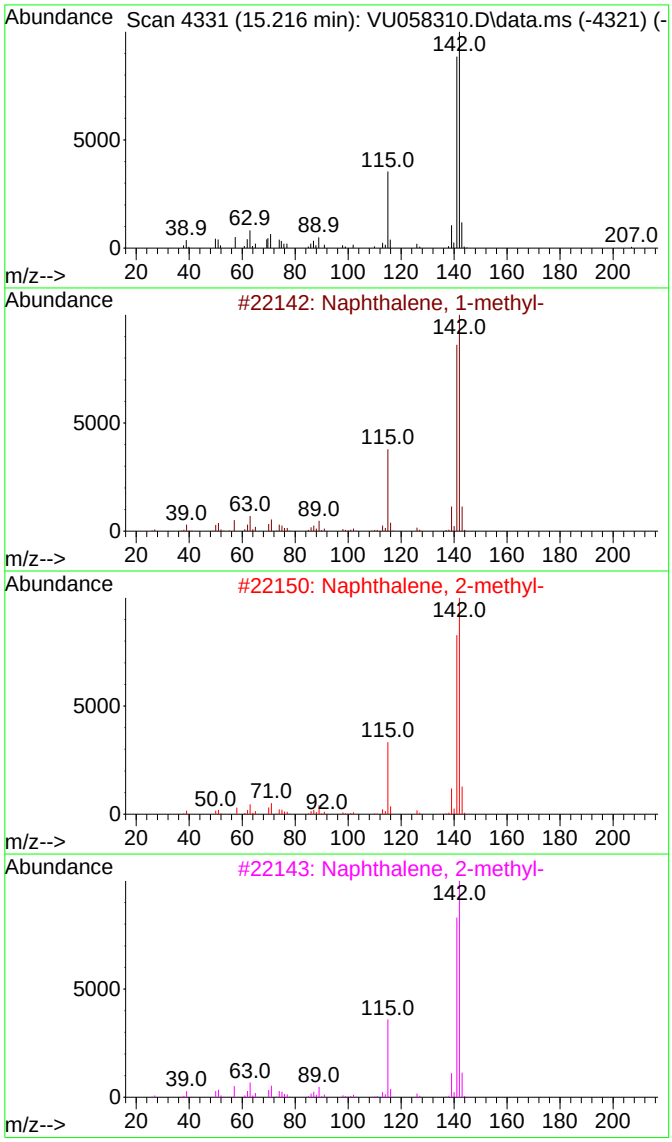
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

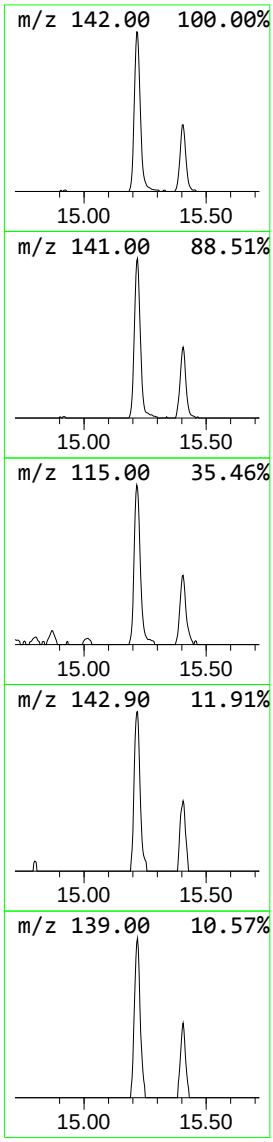
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 Naphthalene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.216	2.09 ug/L	92462	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

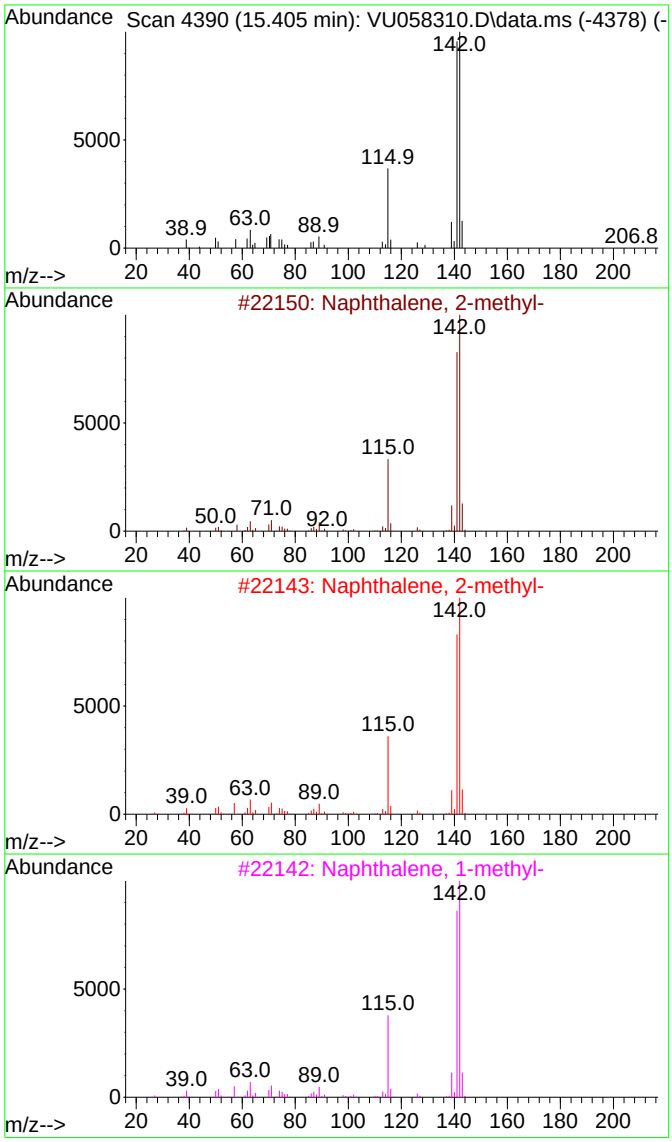
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

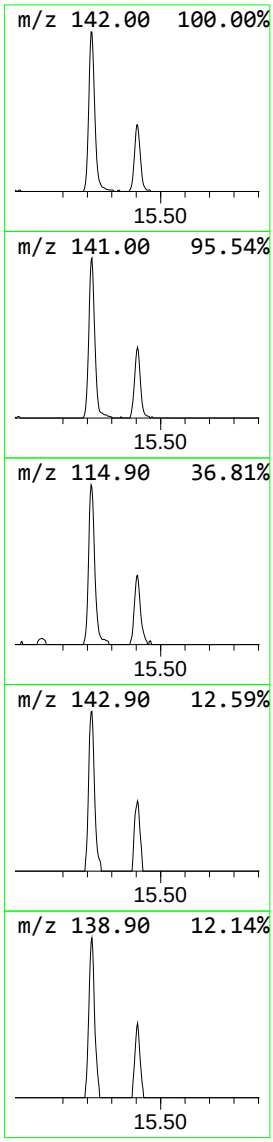
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 69 Naphthalene, 2-methyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.405	0.85 ug/L	37696	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	95
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040124\
Data File : VU058310.D
Acq On : 01 Apr 2024 13:55
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

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...	1.991	39.0	ug/L	1430090	1	6.242	183211	5.0
(DEL) Alkane: S...	2.968	1.3	ug/L	46319	1	6.242	183211	5.0
(DEL) Alkane: S...	3.036	12.7	ug/L	465708	1	6.242	183211	5.0
(DEL) Alkane: S...	3.354	38.6	ug/L	1414930	1	6.242	183211	5.0
(DEL) Alkane: S...	4.287	1.4	ug/L	50337	1	6.242	183211	5.0
(DEL) Alkane: S...	4.425	2.1	ug/L	77229	1	6.242	183211	5.0
(DEL) Alkane: C...	4.521	7.0	ug/L	254600	1	6.242	183211	5.0
(DEL) Alkane: S...	5.119	1.7	ug/L	62646	1	6.242	183211	5.0
(DEL) Alkane: S...	5.454	6.2	ug/L	226309	1	6.242	183211	5.0
(DEL) Alkane: C...	5.627	10.4	ug/L	380712	1	6.242	183211	5.0
(DEL) Alkane: C...	5.840	19.8	ug/L	726261	1	6.242	183211	5.0
(DEL) Alkane: C...	5.914	17.5	ug/L	640409	1	6.242	183211	5.0
(DEL) Alkane: C...	5.981	16.4	ug/L	599931	1	6.242	183211	5.0
(DEL) Alkane: S...	6.859	0.5	ug/L	18642	1	6.242	183211	5.0
(DEL) Alkane: C...	6.975	1.1	ug/L	41475	1	6.242	183211	5.0
(DEL) Alkane: C...	7.068	2.3	ug/L	85602	1	6.242	183211	5.0
Cyclohexene, 3-...	7.155	2.1	ug/L	75863	1	6.242	183211	5.0
(DEL) Alkane: C...	7.229	2.9	ug/L	106450	1	6.242	183211	5.0
Cyclobutane, (1...	7.389	4.0	ug/L	144591	1	6.242	183211	5.0
(DEL) Alkane: C...	7.759	0.9	ug/L	31713	1	6.242	183211	5.0
(DEL) Alkane: C...	8.033	2.7	ug/L	128345	2	9.412	234670	5.0
(DEL) Alkane: C...	8.235	3.5	ug/L	164644	2	9.412	234670	5.0
(DEL) Alkane: C...	8.361	2.3	ug/L	109474	2	9.412	234670	5.0
Cyclopentene, 1...	8.402	1.2	ug/L	56057	2	9.412	234670	5.0
(DEL) Alkane: C...	8.804	1.0	ug/L	47409	2	9.412	234670	5.0
(DEL) Alkane: C...	8.859	1.7	ug/L	77755	2	9.412	234670	5.0
(DEL) Alkane: C...	8.917	0.8	ug/L	39169	2	9.412	234670	5.0
cis-Bicyclo[3.3...	9.328	1.2	ug/L	54552	2	9.412	234670	5.0
Pentalene, octa...	9.502	1.9	ug/L	87006	2	9.412	234670	5.0
Benzene, propyl-	10.897	1.7	ug/L	74894	3	11.804	221576	5.0
Benzene, 1-ethy...	11.016	1.9	ug/L	81940	3	11.804	221576	5.0
Benzene, 1-ethy...	11.283	2.8	ug/L	124765	3	11.804	221576	5.0
Benzene, (2-met...	11.605	1.0	ug/L	45603	3	11.804	221576	5.0
Benzeneacetalde...	11.637	1.5	ug/L	67181	3	11.804	221576	5.0
Benzene, 1-prop...	12.087	19.3	ug/L	854251	3	11.804	221576	5.0
Benzene, 1,2-di...	12.296	1.5	ug/L	65047	3	11.804	221576	5.0
Benzene, 2-ethy...	12.457	1.9	ug/L	85757	3	11.804	221576	5.0
Benzene, 2-ethy...	12.563	14.4	ug/L	636338	3	11.804	221576	5.0
Benzene, 1-ethe...	12.605	3.4	ug/L	152641	3	11.804	221576	5.0
Benzene, 1-ethe...	12.672	18.7	ug/L	830391	3	11.804	221576	5.0
Benzene, 1,2,3,...	12.965	8.4	ug/L	372381	3	11.804	221576	5.0
Benzene, 1,2,4,...	13.020	15.1	ug/L	667690	3	11.804	221576	5.0
Bicyclo[4.2.0]o...	13.106	1.3	ug/L	59097	3	11.804	221576	5.0
1H-Indene, 2,3-...	13.286	10.4	ug/L	462677	3	11.804	221576	5.0
Benzene, 2,4-di...	13.402	1.1	ug/L	47940	3	11.804	221576	5.0
1H-Indene, 2,3-...	13.447	18.0	ug/L	797323	3	11.804	221576	5.0
1H-Indene, 3-me...	13.515	1.0	ug/L	44129	3	11.804	221576	5.0
Naphthalene, 1,...	13.618	3.3	ug/L	145351	3	11.804	221576	5.0
Benzene, (1,2-d...	13.778	3.1	ug/L	139084	3	11.804	221576	5.0
Benzene, (1-met...	13.830	3.5	ug/L	156297	3	11.804	221576	5.0
1H-Indene, 2,3-...	13.933	3.6	ug/L	158566	3	11.804	221576	5.0
Azulene	14.081	5.5	ug/L	241959	3	11.804	221576	5.0

Naphthalene, 1-...	15.216	2.1	ug/L	92462	3	11.804	221576	5.0
Naphthalene, 2-...	15.405	0.8	ug/L	37696	3	11.804	221576	5.0

Instrument :
MSVOA_U
ClientSampleId :
DCOD5