LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 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: VU058341.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.595	87	95	104	rBV2	40864	44485	2.87%	0.236%
2	1.907	184	192	205	rVB	30929	39601	2.56%	0.210%
3	1.991	206	218	244	rBV	1134187	1549073	100.00%	8.207%
4	2.200	274	283	293	rVB	12316	17078	1.10%	0.090%
5	2.592	384	405	428	rBV2	157952	380514	24.56%	2.016%
6	2.968	505	522	530	rBV6	18371	48454	3.13%	0.257%
7	3.036	530	543	550	rBV	249369	526918	34.02%	2.792%
8	3.354	624	642	668	rBV	670870	1478912	95.47%	7.835%
9	4.287	908	932	949	rBV2	18041	53447	3.45%	0.283%
10	4.425	964	975	990	rVB3	23645	58690	3.79%	0.311%
11	4.521	990	1005	1023	rVV	107506	258709	16.70%	1.371%
12	4.621	1025	1036	1067	rVB2	37109	110817	7.15%	0.587%
13	5.055	1157	1171	1182	rVV	49057	112007	7.23%	0.593%
14	5.123	1184	1192	1217	rVB5	25031	64973	4.19%	0.344%
15	5.377	1255	1271	1281	rBV7	13100	33257	2.15%	0.176%
16	5.454	1281	1295	1320	rVB4	88659	233912	15.10%	1.239%
17	5.631	1320	1350	1363	rBV2	163302	402599	25.99%	2.133%
18	5.717	1363	1377	1399	rVV2	100694	256627	16.57%	1.360%
19	5.843	1399	1416	1427	rVV	356995	751415	48.51%	3.981%
20	5.914	1427	1438	1449	rVV	319391	672199	43.39%	3.561%
21	5.981	1449	1459	1482	rVB	292486	625342	40.37%	3.313%
22	6.242	1529	1540	1580	rBV	93609	224528	14.49%	1.190%
23	6.550	1625	1636	1660	rBV9	6999	22056	1.42%	0.117%
24	6.685	1666	1678	1684	rBV	60910	116031	7.49%	0.615%
25	6.753	1684	1699	1723	rVV4	151141	466490	30.11%	2.472%
26	6.862	1724	1733	1744	rVB4	9825	18374	1.19%	0.097%
27	6.975	1757	1768	1780	rVB3	22985	42053	2.71%	0.223%
28	7.068	1780	1797	1811	rVB2	44831	88589	5.72%	0.469%
29	7.158	1811	1825	1828	rBV5	41930	77870	5.03%	0.413%
30	7.229	1840	1847	1865	rVB2	54654	109174	7.05%	0.578%
31	7.389	1879	1897	1921	rBV2	85264	180612	11.66%	0.957%
32	7.576	1933	1955	1976	rBV3	40913	126354	8.16%	0.669%
33	7.759	2001	2012	2025	rVB4	14472	35261	2.28%	0.187%
34	7.849	2025	2040	2046	rBV2	121723	222443	14.36%	1.179%
35	7.891	2047	2053	2082	rVB	157381	303003	19.56%	1.605%
36	8.032	2082	2097	2108	rBV2	55332	134801	8.70%	0.714%

LSC Area Percent Report

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Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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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	8.158	2127	2136	2137	rBV2	15892	18763	1.21%	0.099%
38	8.238	2149	2161	2174	rVB2	91848	168711	10.89%	0.894%
39	8.364	2180	2200	2207	rBV2	56796	110331	7.12%	0.585%
40	8.405	2207	2213	2223	rVB	38417	61390	3.96%	0.325%
41	8.627	2273	2282	2298	rBV2	107658	206024	13.30%	1.092%
42	8.804	2325	2337	2346	rBV5	24836	48580	3.14%	0.257%
43	8.862	2346	2355	2367	rVV4	30887	83385	5.38%	0.442%
44	8.920	2367	2373	2380	rVV2	24050	41446	2.68%	0.220%
45	8.962	2382	2386	2402	rVB6	13655	22139	1.43%	0.117%
46	9.068	2406	2419	2429	rBV5	11180	21822	1.41%	0.116%
47	9.184	2438	2455	2467	rBV9	10880	33279	2.15%	0.176%
48	9.328	2486	2500	2515	rVB8	22823	51502	3.32%	0.273%
49	9.412	2515	2526	2541	rBV	132661	238836	15.42%	1.265%
50	9.502	2542	2554	2565	rVV2	31353	79492	5.13%	0.421%
51	9.566	2565	2574	2595	rVB	80348	142467	9.20%	0.755%
52	9.692	2601	2613	2628	rVB7	24255	56158	3.63%	0.298%
53	9.881	2662	2672	2687	rBV5	8115	16180	1.04%	0.086%
54	10.026	2705	2717	2724	rBV7	9583	21576	1.39%	0.114%
55	10.267	2769	2792	2806	rBV8	17754	47528	3.07%	0.252%
56	10.479	2846	2858	2869	rBV	158523	246418	15.91%	1.306%
57	10.749	2930	2942	2953	rVB2	40524	79552	5.14%	0.421%
58	10.901	2980	2989	3010	rVB	41350	68905	4.45%	0.365%
59	11.019	3010	3026	3036	rBV2	47549	79689	5.14%	0.422%
60	11.286	3098	3109	3130	rVB	71976	118311	7.64%	0.627%
61	11.463	3155	3164	3175	rVB	37658	57276	3.70%	0.303%
62	11.608	3198	3209	3212	rBV	27872	40439	2.61%	0.214%
63	11.637	3213	3218	3232	rVB	40312	62067	4.01%	0.329%
64	11.736	3240	3249	3259	rVB2	17007	25620	1.65%	0.136%
65	11.807	3259	3271	3286	rBV	142422	228946	14.78%	1.213%
66	12.003	3319	3332	3343	rVB3	14734	24089	1.56%	0.128%
67	12.090	3346	3359	3377	rVV2	497878	828961	53.51%	4.392%
68	12.183	3377	3388	3407	rVV3	171178	321209	20.74%	1.702%
69	12.296	3411	3423	3438	rVV3	38646	62043	4.01%	0.329%
70	12.460	3464	3474	3489	rBV	53464	82856	5.35%	0.439%
71	12.566	3494	3507	3515	rVV	418951	622248	40.17%	3.297%
72	12.605	3515	3519	3530	rVV	100980	145475	9.39%	0.771%
73	12.675	3530	3541	3561	rVB	505767	812179	52.43%	4.303%
74	12.859	3590	3598	3615	rVB2	17867	29281	1.89%	0.155%
75	12.968	3615	3632	3640	rBV	238440	362948	23.43%	1.923%
76	13.019	3640	3648	3663	rVB	431027	641040	41.38%	3.396%

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Sample : P1912-04
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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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

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Peak separation: 5

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

77	13.106	3663	3675	3688	rBV4	32661	57427	3.71%	0.304%
78	13.248	3711	3719	3722	rVV2	14216	20637	1.33%	0.109%
79	13.286	3722	3731	3756	rVB	267371	444521	28.70%	2.355%
80	13.402	3756	3767	3772	rBV4	25618	44353	2.86%	0.235%
81	13.450	3772	3782	3796	rVV	475153	769481	49.67%	4.077%
82	13.515	3796	3802	3809	rVV4	25820	44057	2.84%	0.233%
83	13.553	3809	3814	3824	rVV	16886	27708	1.79%	0.147%
84	13.617	3824	3834	3849	rVB4	82485	139435	9.00%	0.739%
85	13.727	3857	3868	3875	rBV5	20345	35107	2.27%	0.186%
86	13.778	3875	3884	3892	rVV	77321	134258	8.67%	0.711%
87	13.833	3892	3901	3916	rVV4	60543	151717	9.79%	0.804%
88	13.907	3916	3924	3927	rVV3	43334	67704	4.37%	0.359%
89	13.936	3927	3933	3950	rVB2	81631	158374	10.22%	0.839%
90	14.080	3962	3978	4003	rVB	136796	226463	14.62%	1.200%
91	14.277	4024	4039	4050	rBV5	17246	32424	2.09%	0.172%
92	14.341	4050	4059	4072	rVB3	19634	30234	1.95%	0.160%
93	14.479	4092	4102	4113	rBV2	23768	36752	2.37%	0.195%
94	14.662	4149	4159	4173	rBV4	17245	36159	2.33%	0.192%
95	15.219	4322	4332	4347	rBV	51323	86526	5.59%	0.458%
96	15.408	4378	4391	4404	rBV	21151	35399	2.29%	0.188%

Sum of corrected areas: 18874565

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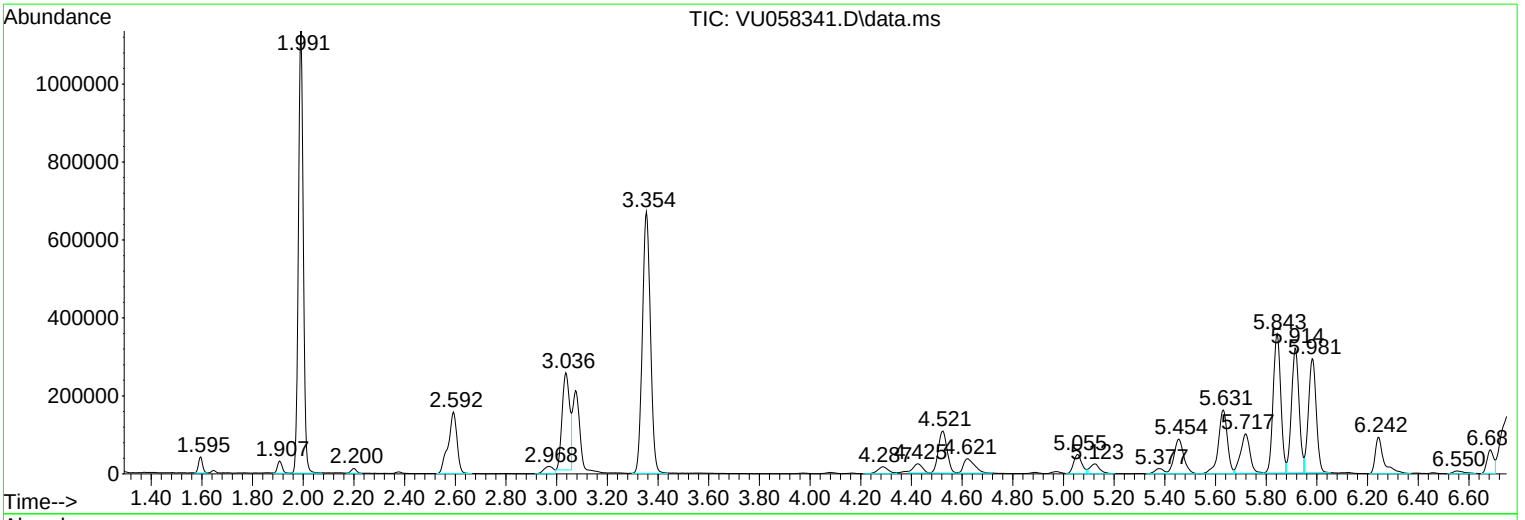
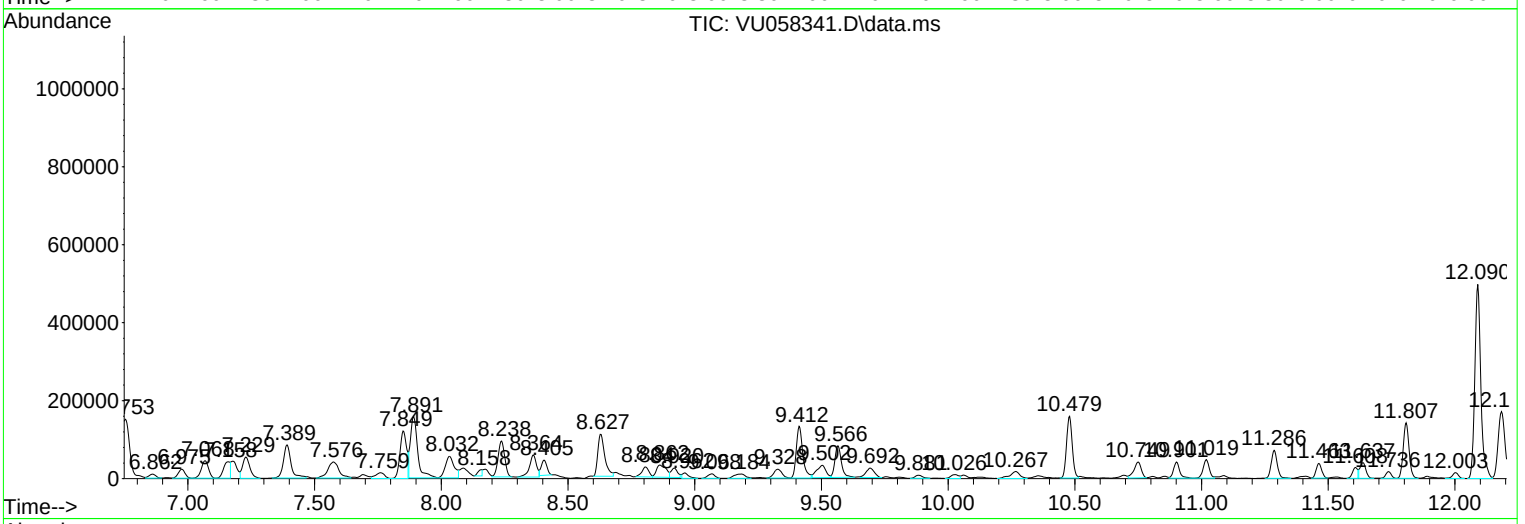
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

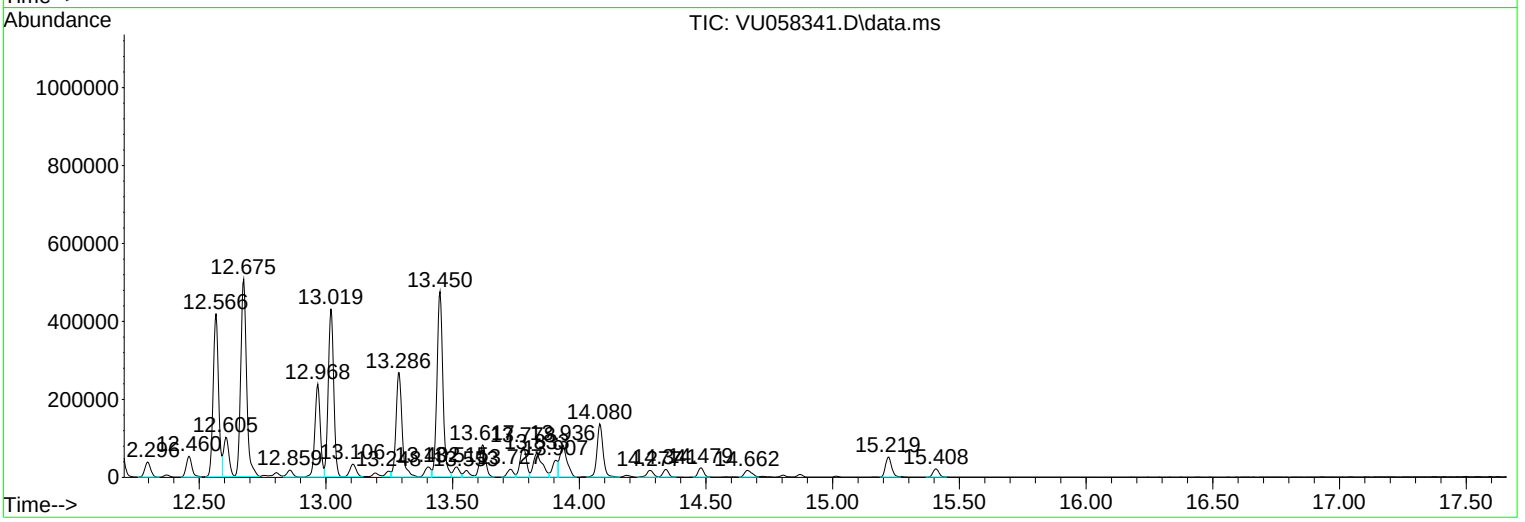
Instrument :
MSVOA_U
ClientSampleId :
DCOD5

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







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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

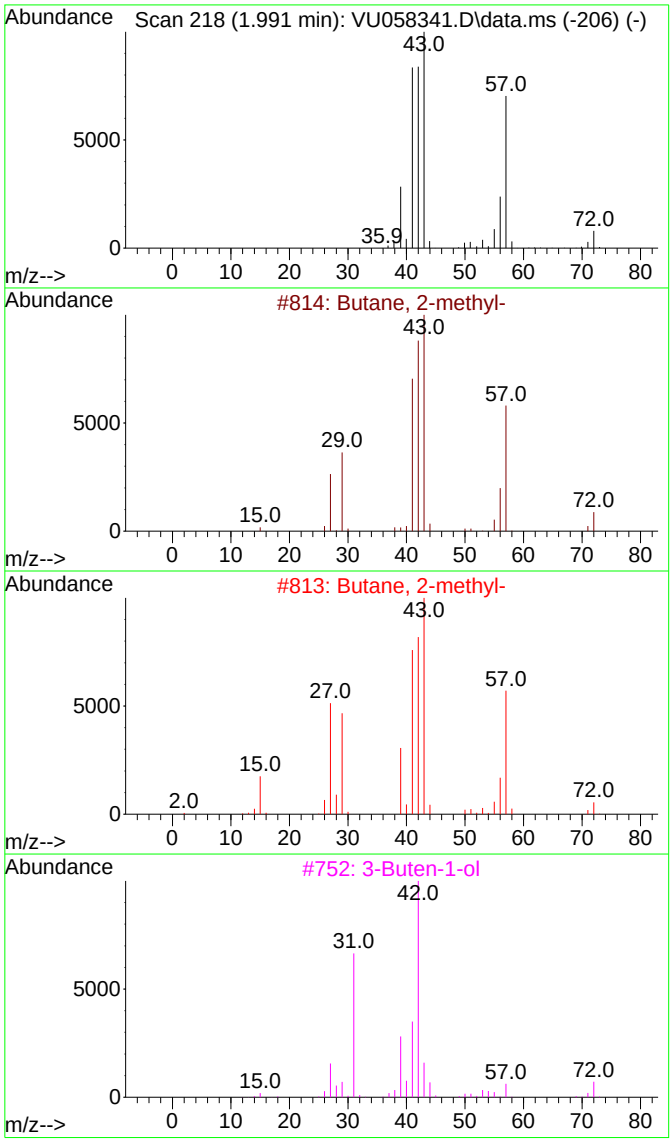
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

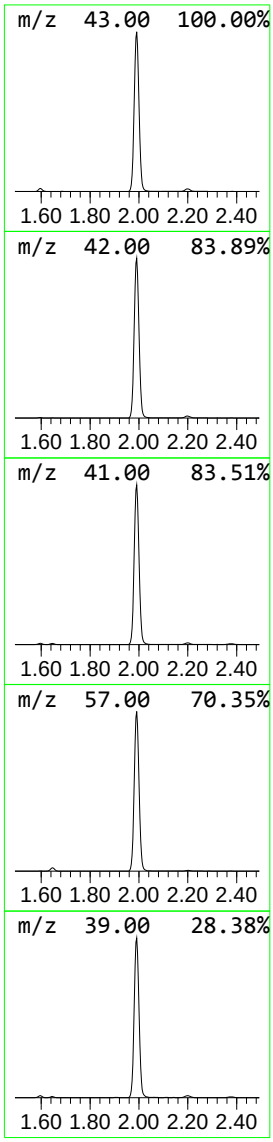
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.991	34.50 ug/L	1549070	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	14





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Operator : MD/SY
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

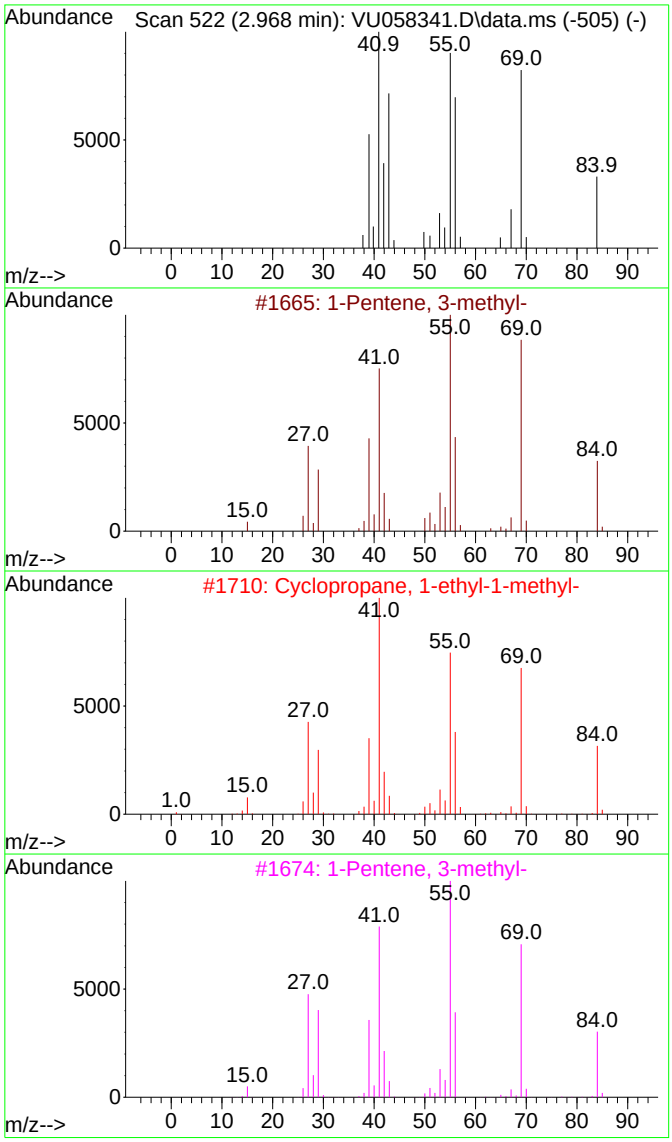
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

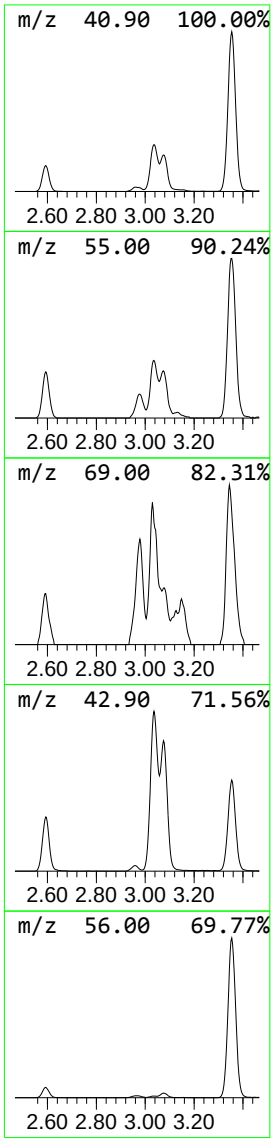
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.968	1.08 ug/L	48454	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	64
2	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	62
3	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	58
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	58
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	52





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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

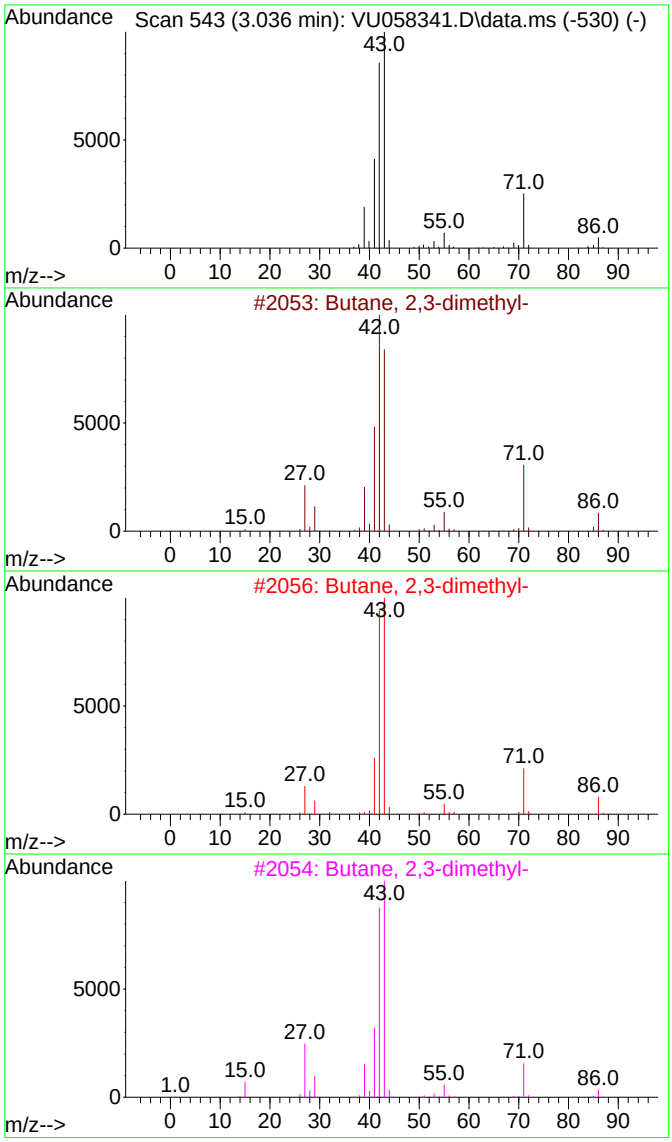
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

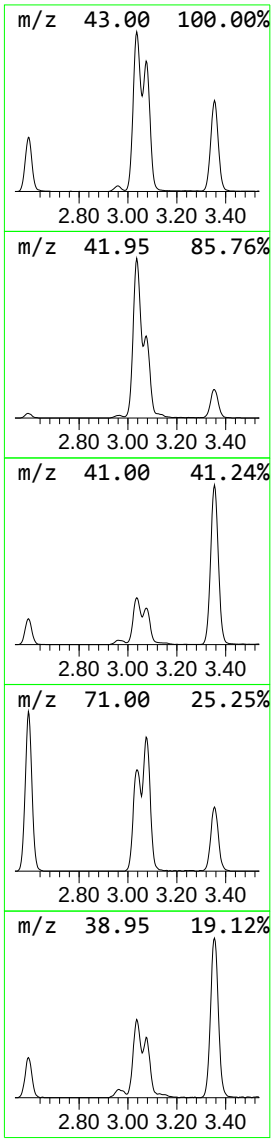
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.036	11.73 ug/L	526918	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	52





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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DCOD5

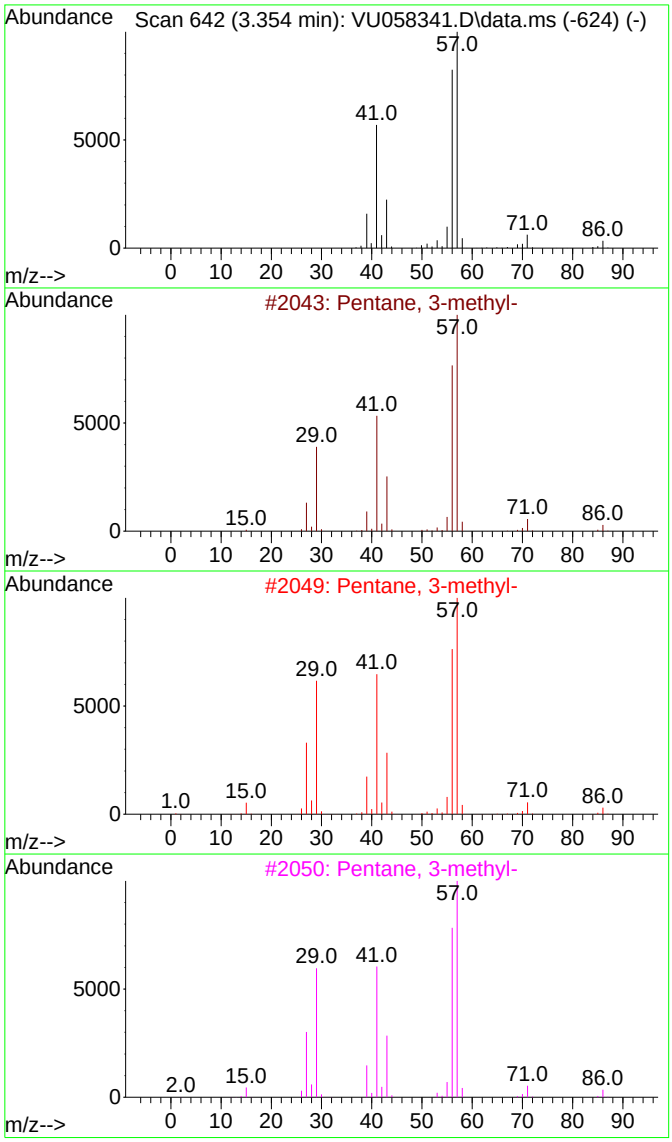
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

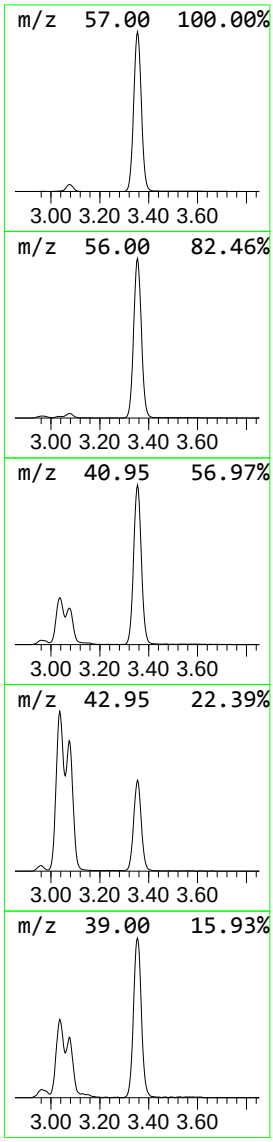
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.354	32.93 ug/L	1478910	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	90
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78





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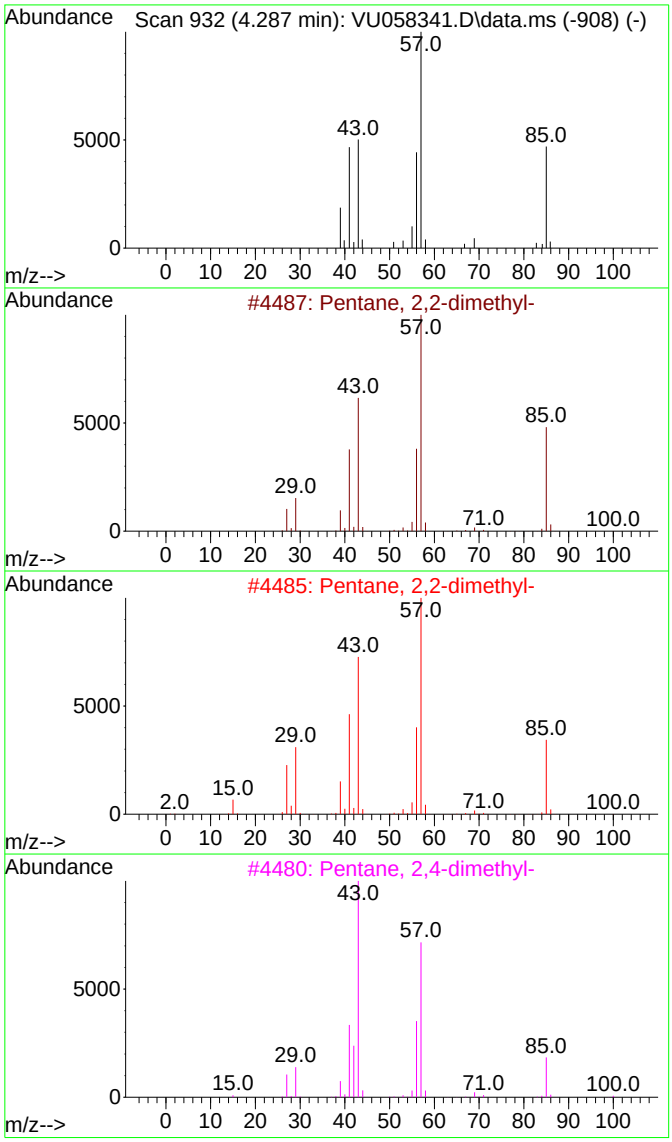
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

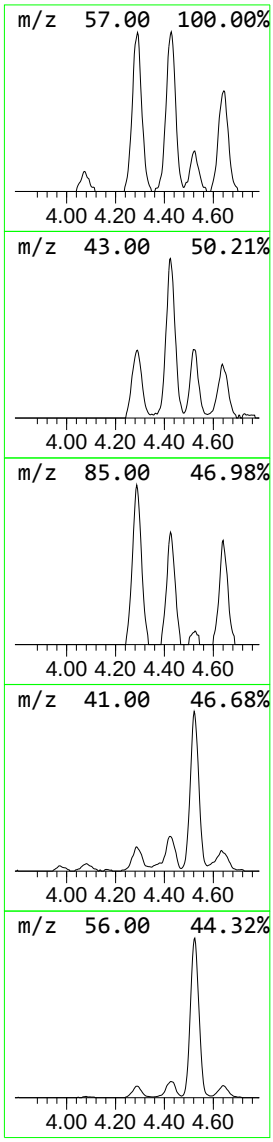
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.287	1.19 ug/L	53447	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	83
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

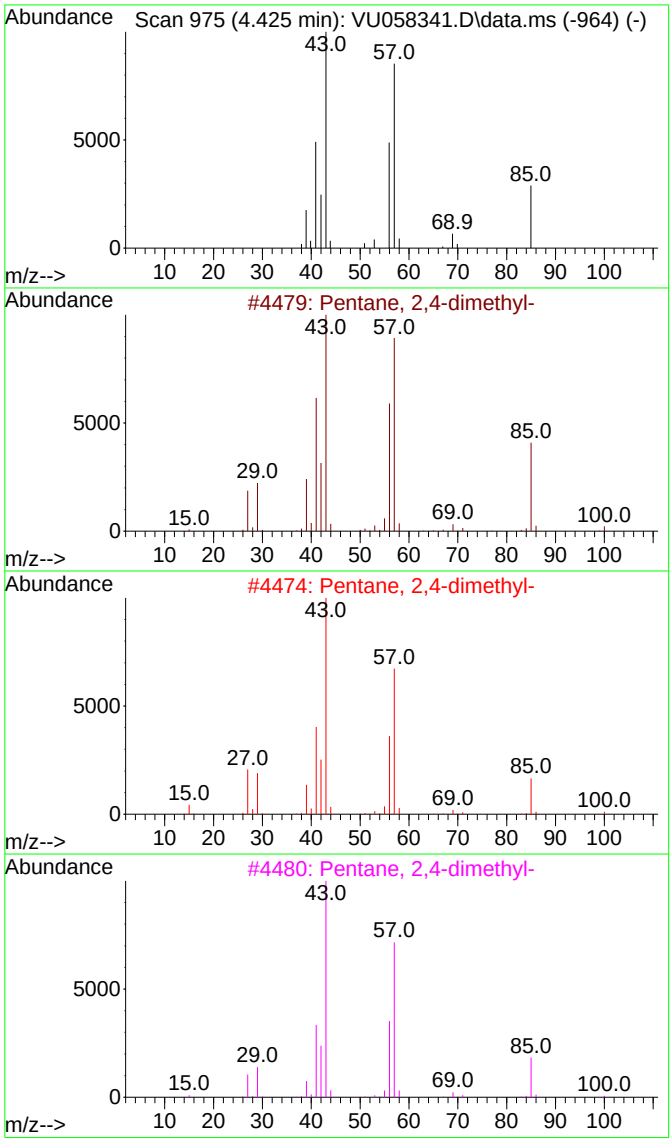
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

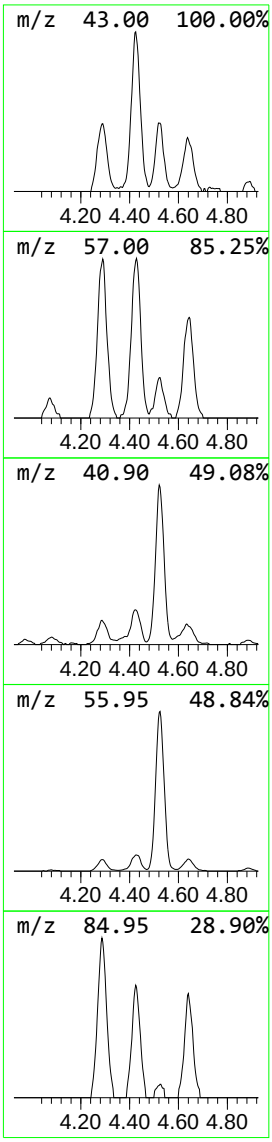
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.425	1.31 ug/L	58690	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	56
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	56
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	50





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

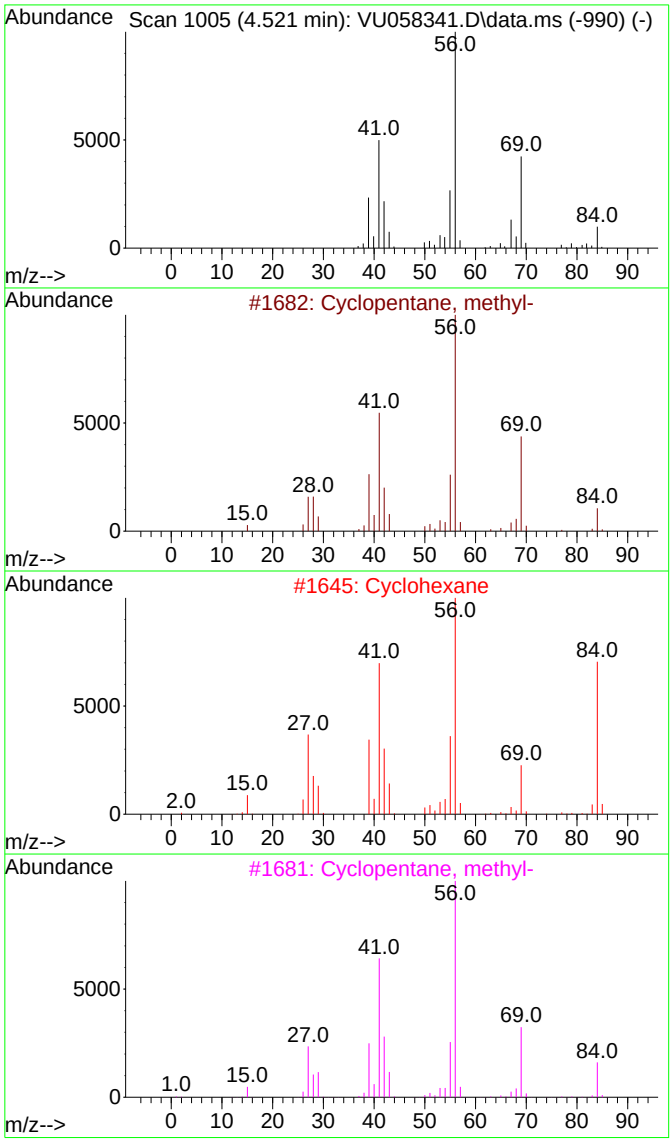
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

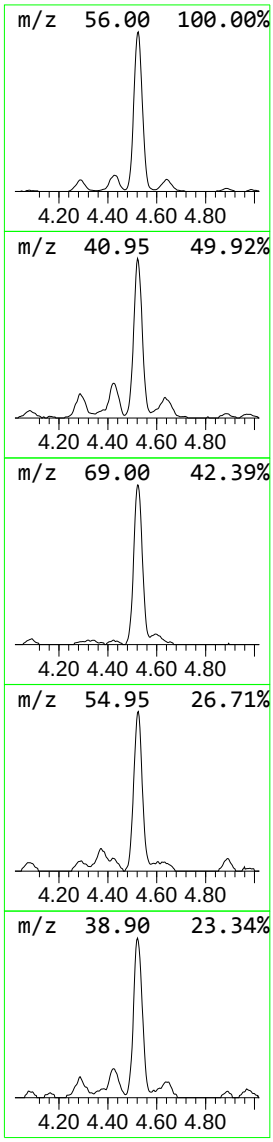
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.521	5.76 ug/L	258709	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	87
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
4	Cyclohexane	84	C6H12	000110-82-7	86
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

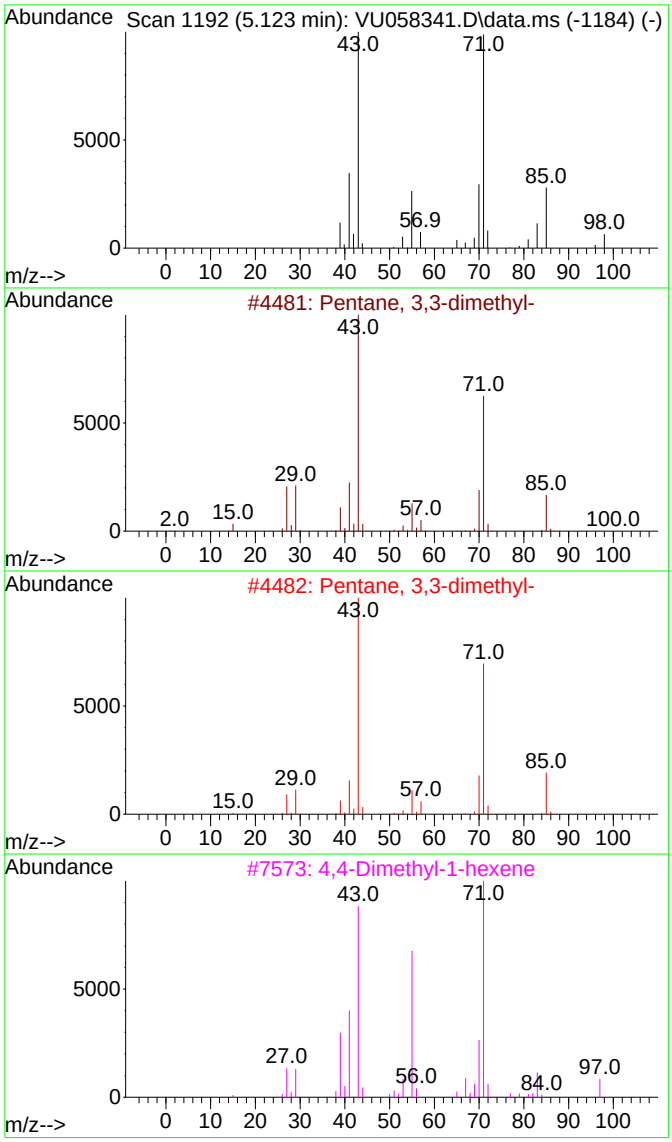
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

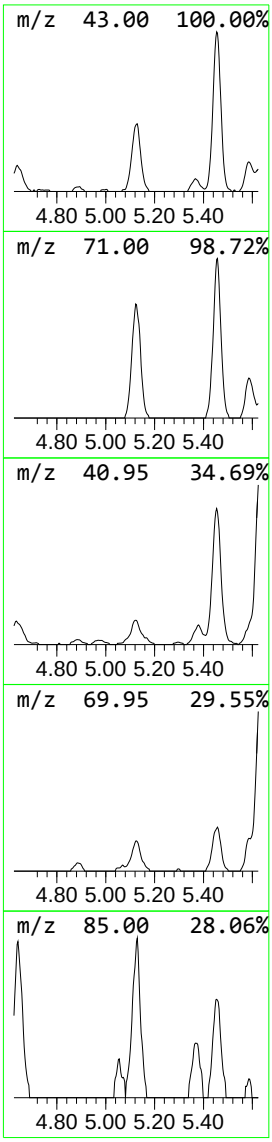
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.123	1.45 ug/L	64973	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	72
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	56
3	4,4-Dimethyl-1-hexene	112	C8H16	001647-08-1	50
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	42
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

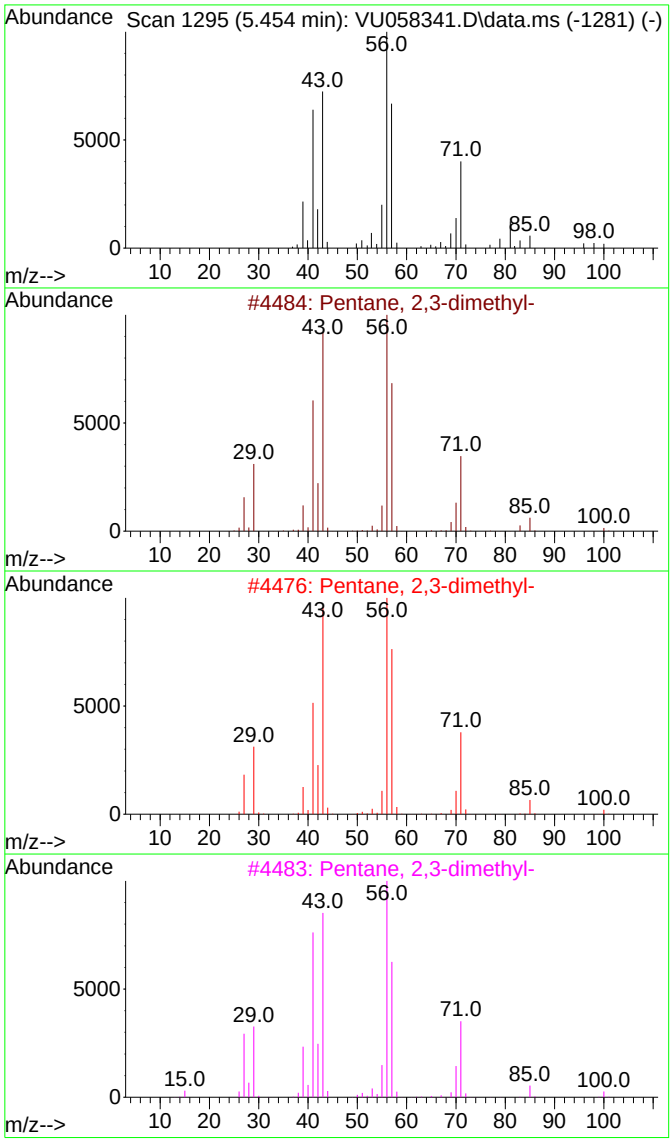
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

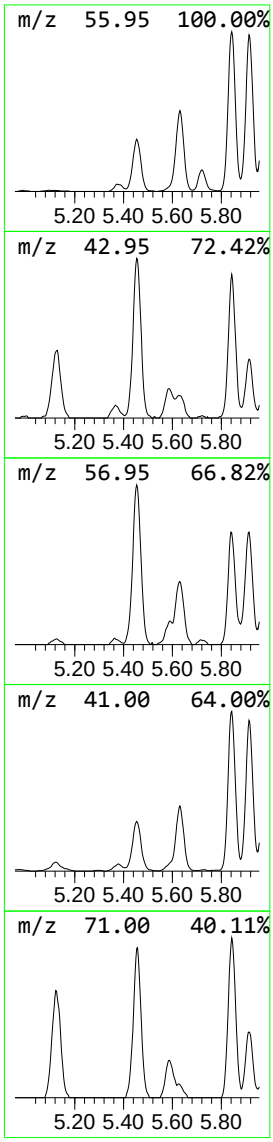
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.454	5.21 ug/L	233912	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	81
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

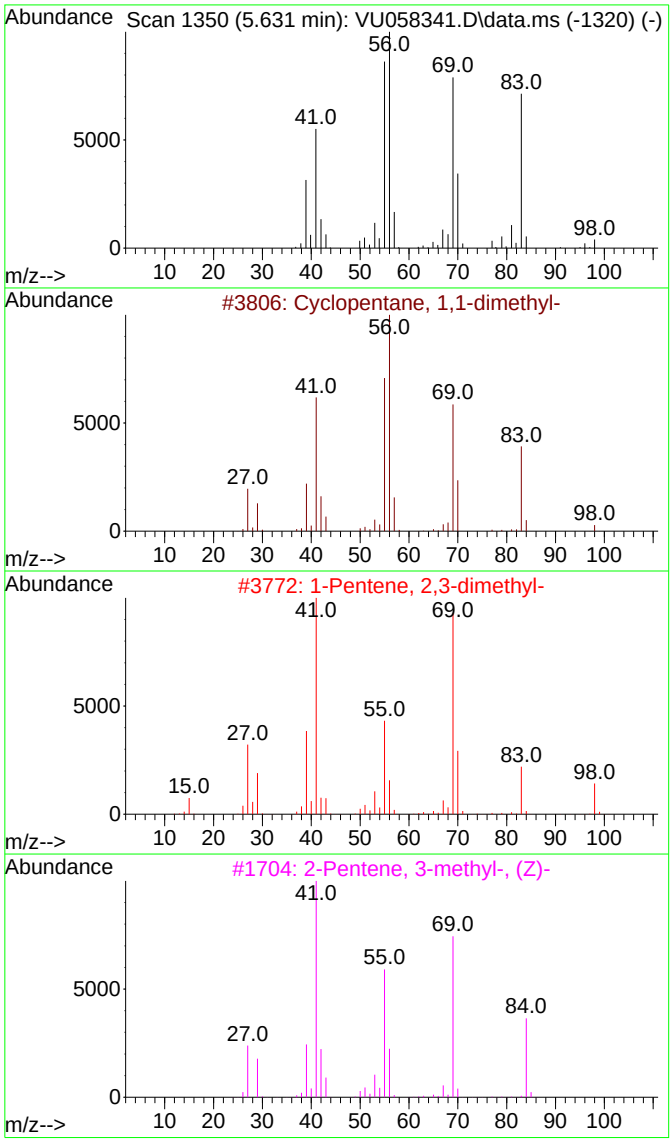
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

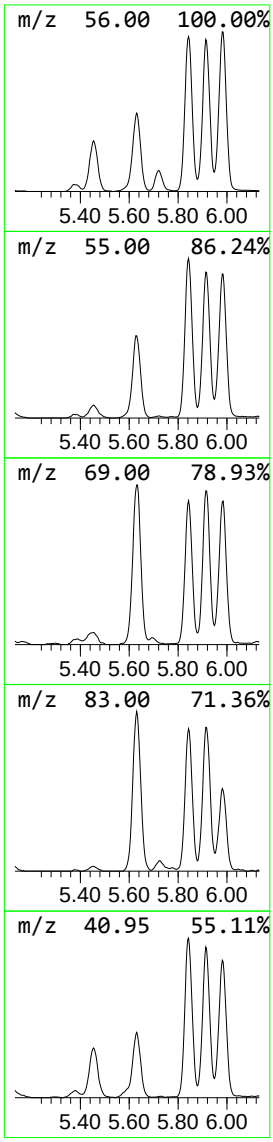
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic5.631 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.631	8.97 ug/L	402599	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	90
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	43
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	43
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	38
5	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

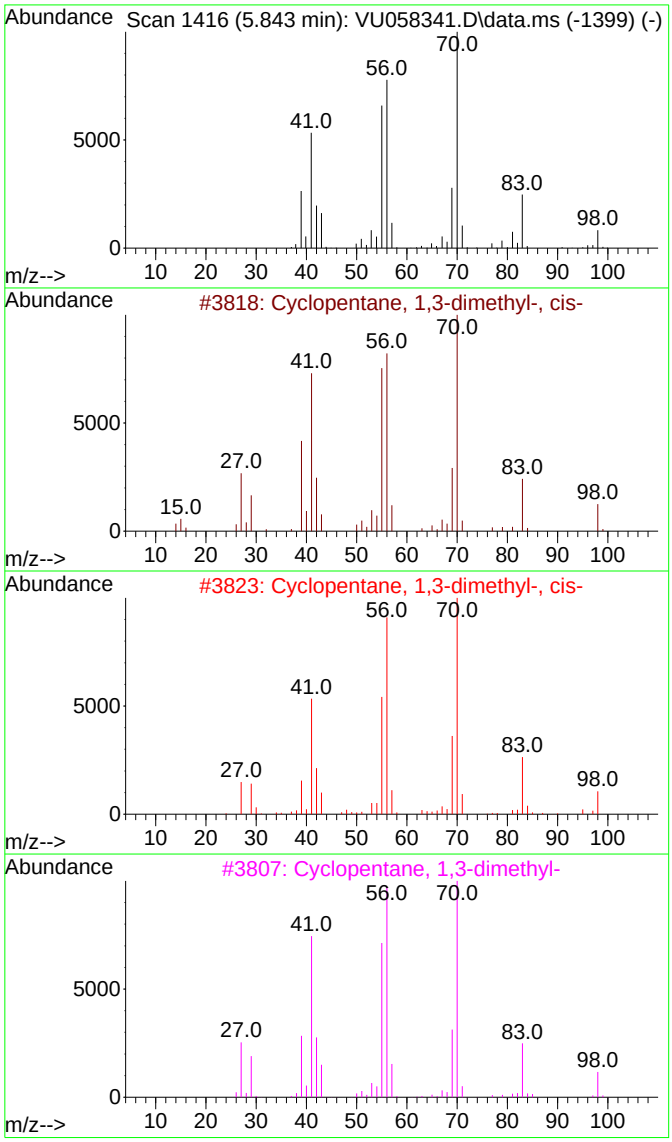
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

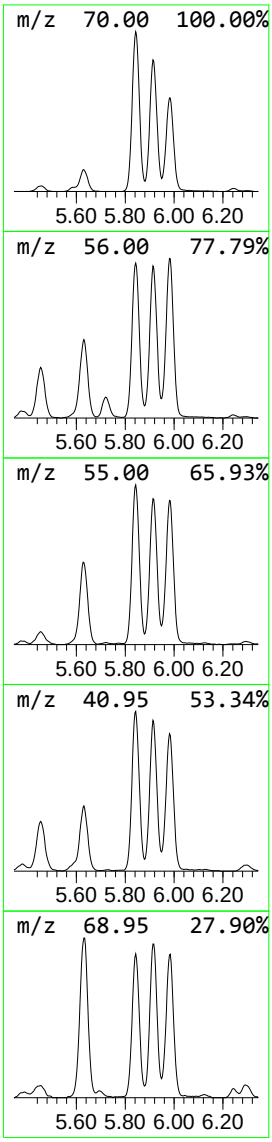
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic5.843 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.843	16.73 ug/L	751415	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
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\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

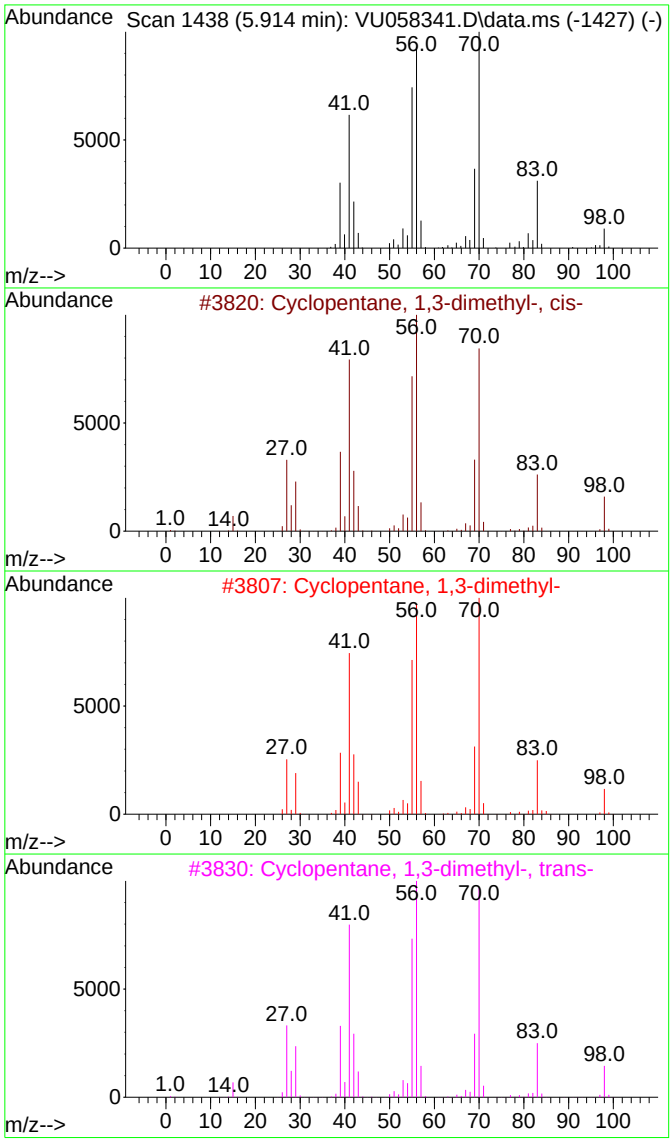
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

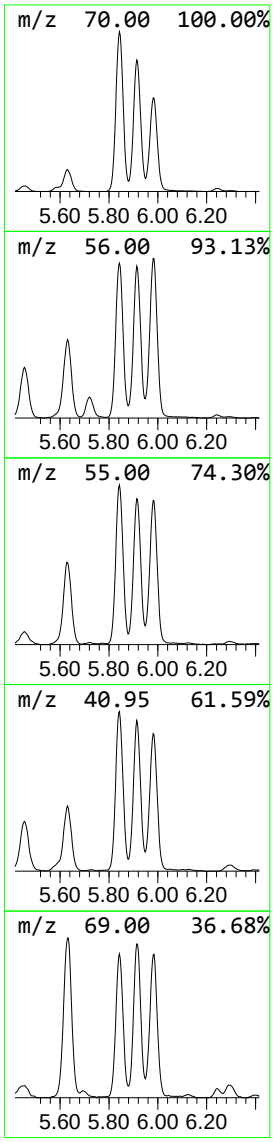
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.914	14.97 ug/L	672199	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	95
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

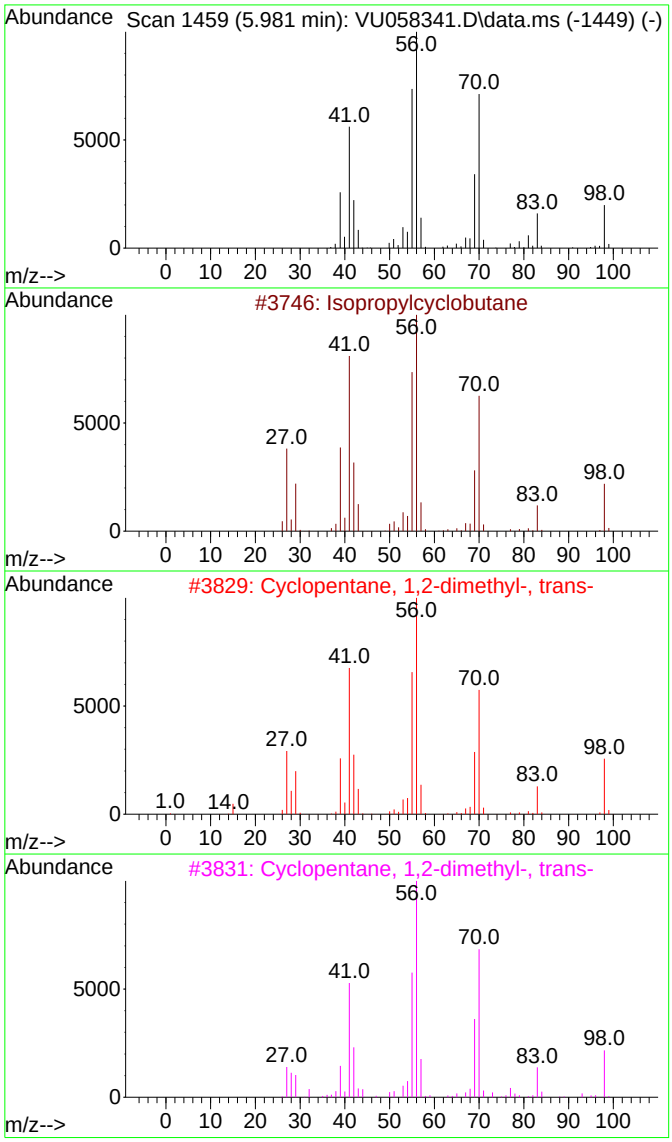
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

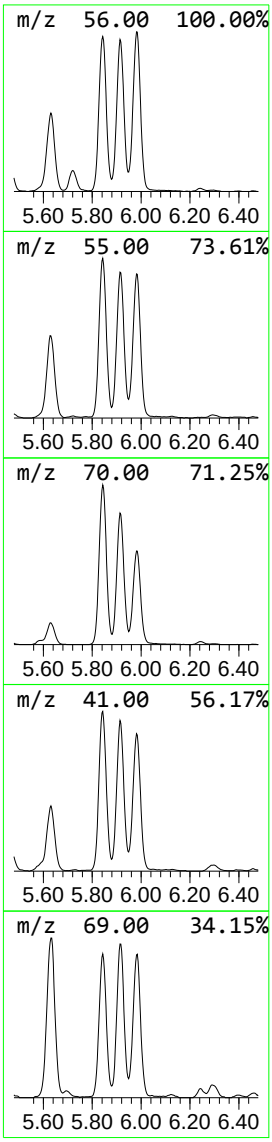
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic5.981 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.981	13.93 ug/L	625342	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	90
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

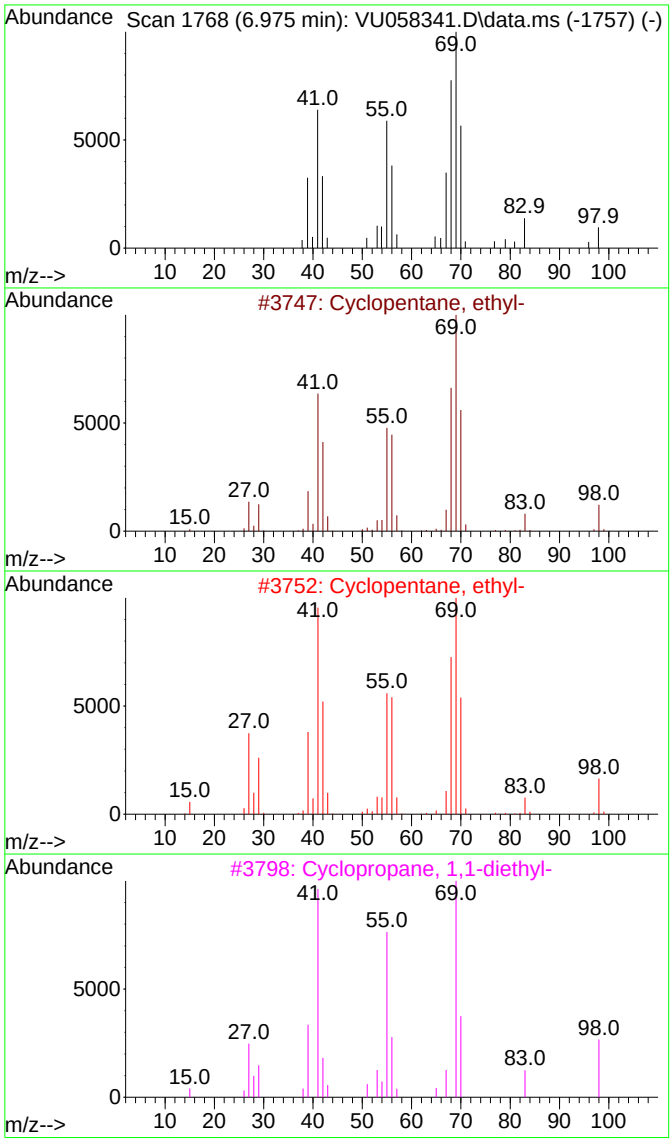
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

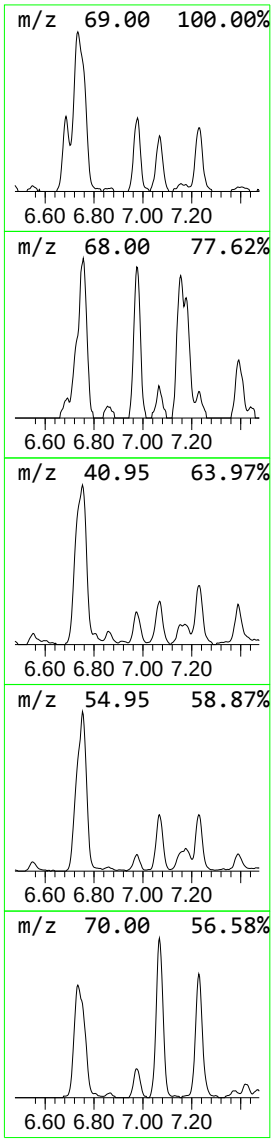
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic6.975 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.975	0.94 ug/L	42053	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	86
3	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

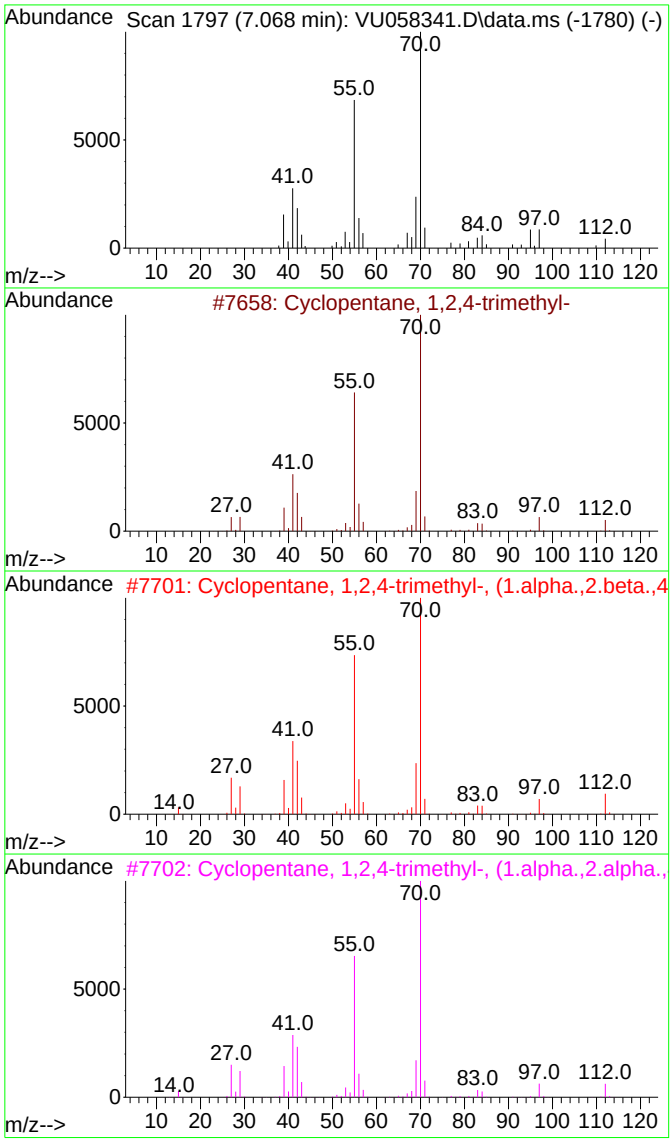
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

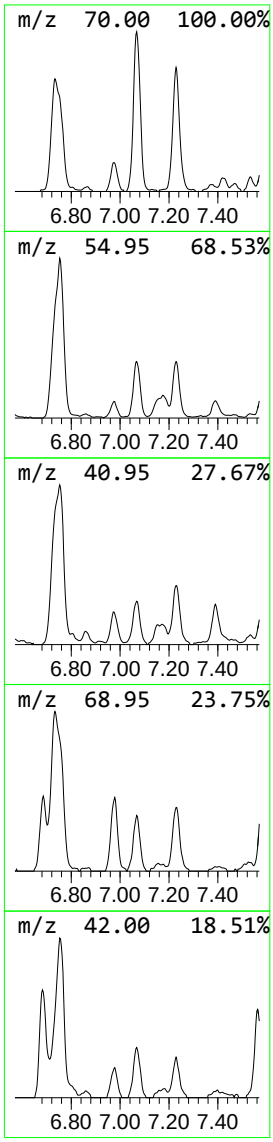
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic7.068 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.068	1.97 ug/L	88589	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	86
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	78
5	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

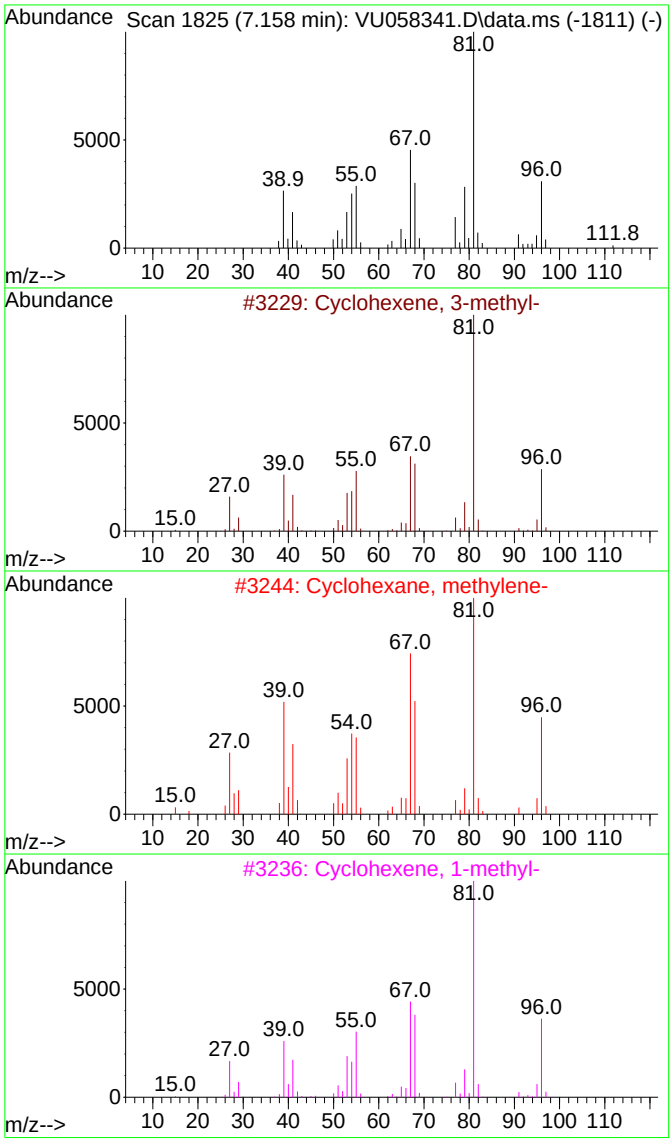
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

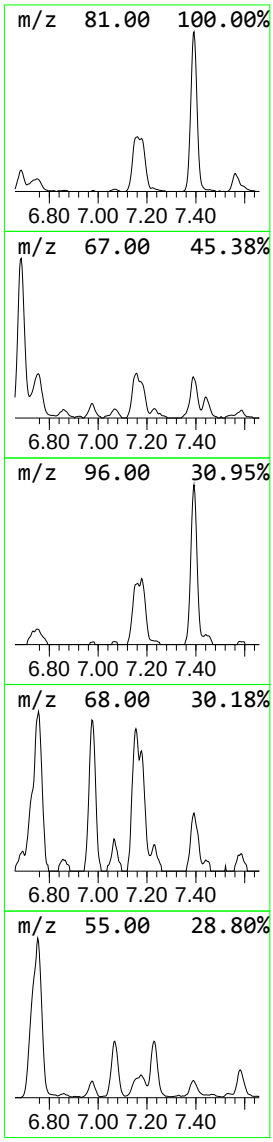
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclohexene, 3-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.158	1.73 ug/L	77870	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	90
2	Cyclohexane, methylene-	96	C7H12	001192-37-6	87
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	83
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

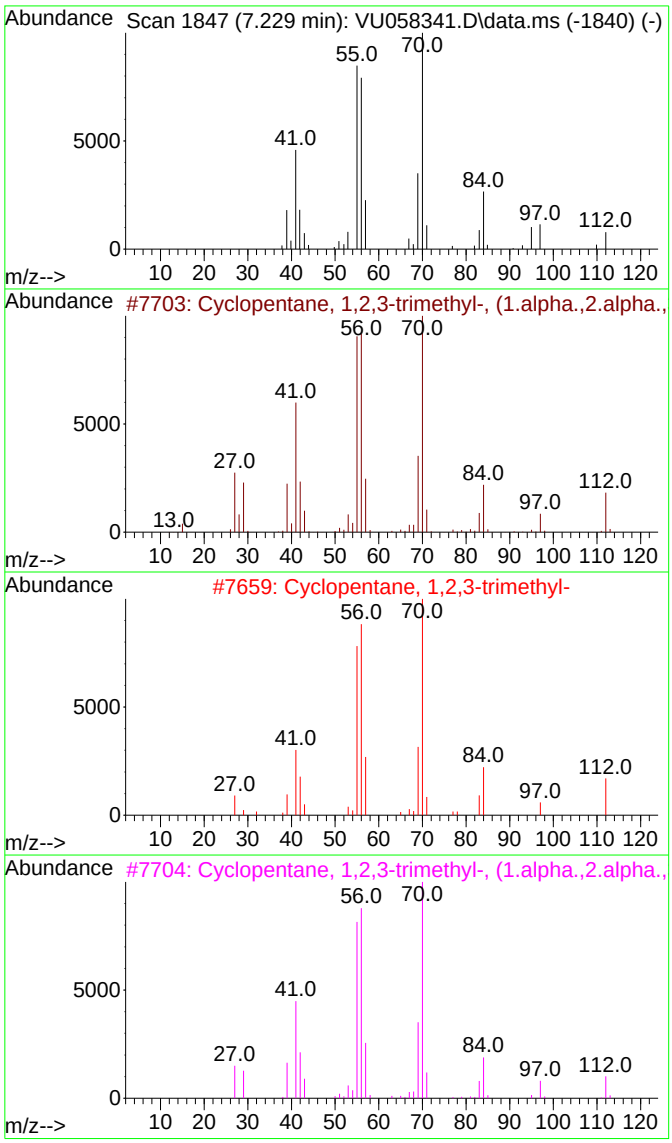
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

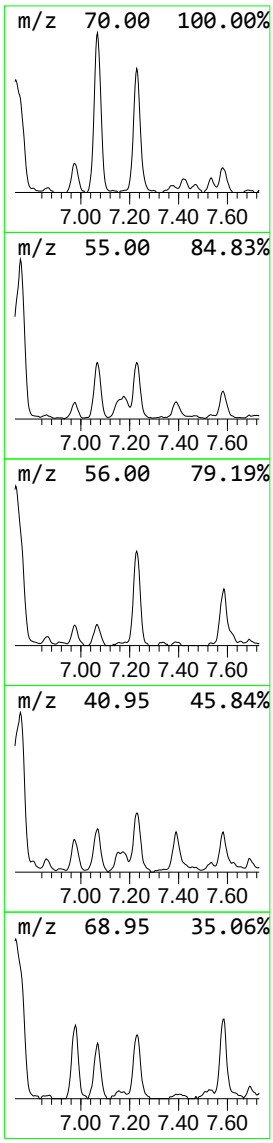
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic7.229 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.229	2.43 ug/L	109174	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	90
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
5	cis-2,4-Dimethylthiane, S,S-dioxide	162	C7H14O2S	1000215-67-5	64





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

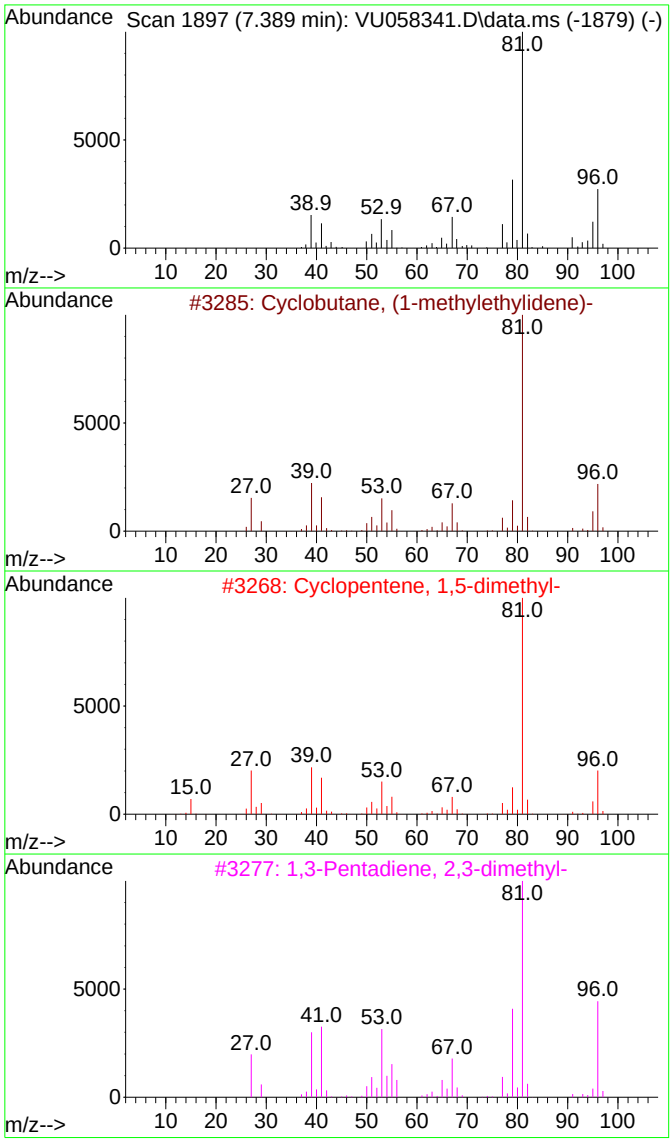
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

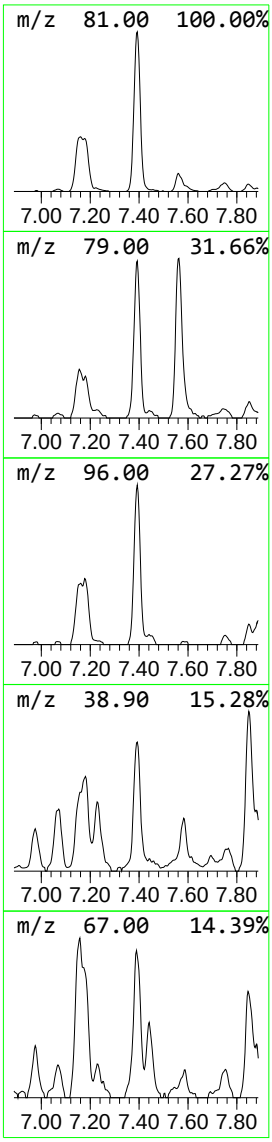
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.389	4.02 ug/L	180612	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	83
3	1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	80
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	72





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

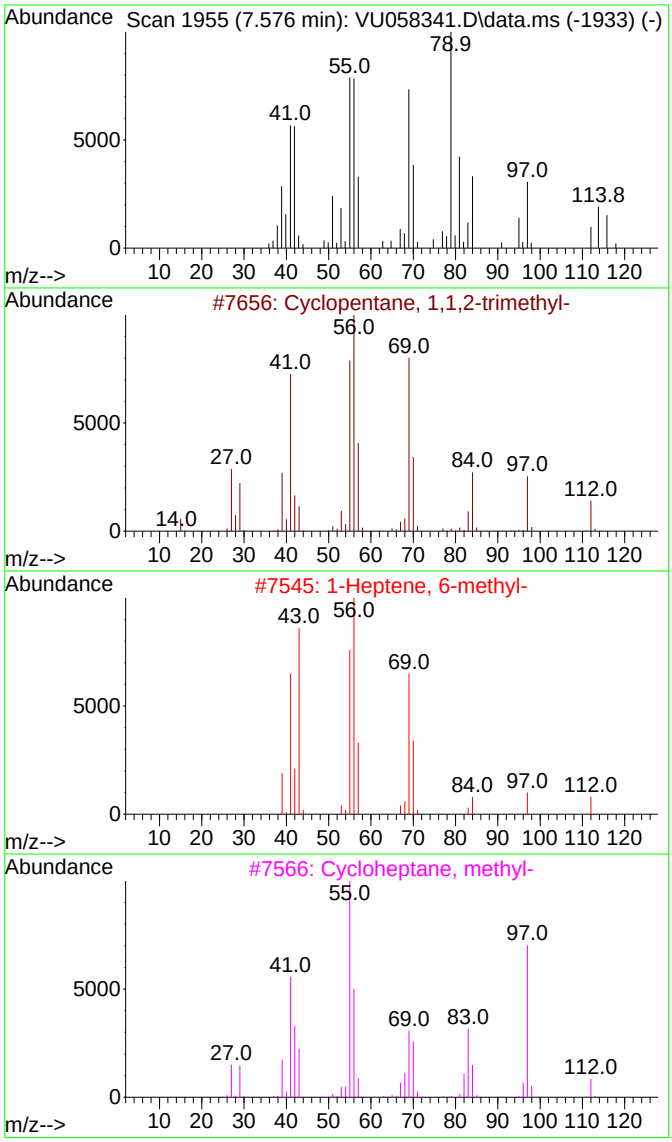
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

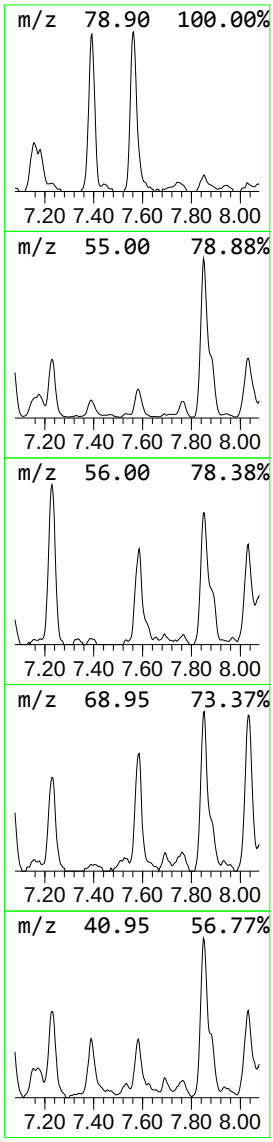
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic7.576 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.576	2.81 ug/L	126354	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	46
2	1-Heptene, 6-methyl-	112	C8H16	005026-76-6	46
3	Cycloheptane, methyl-	112	C8H16	004126-78-7	35
4	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	35
5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	27





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

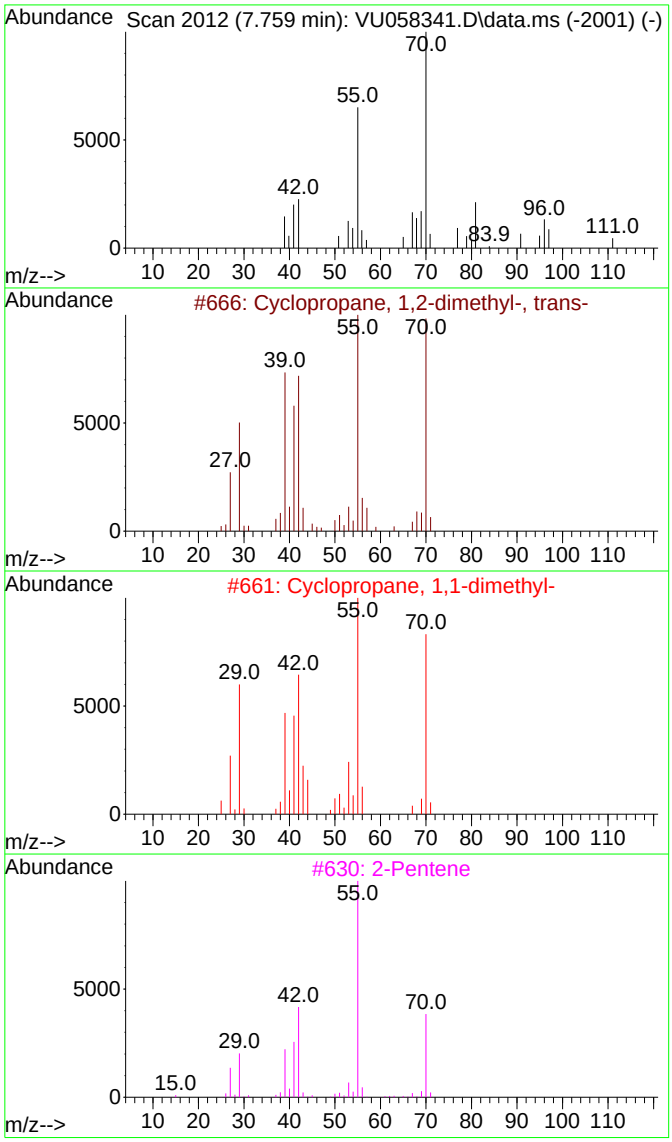
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

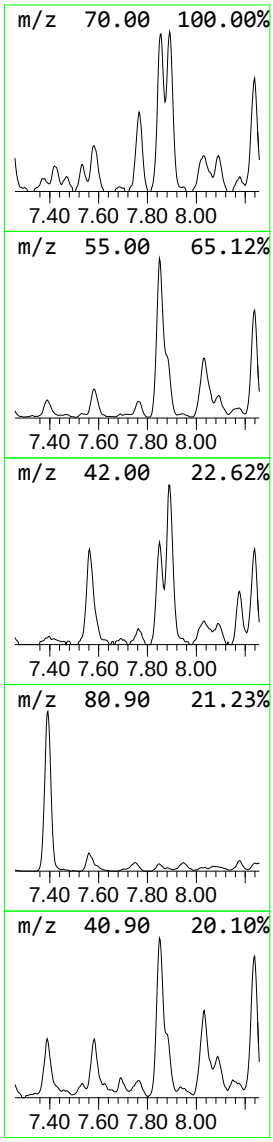
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic7.759 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.759	0.79 ug/L	35261	1,4-Difluorobenzene	6.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	53
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	50
3	2-Pentene	70	C5H10	000109-68-2	50
4	Nonane, 3-methylene-	140	C10H20	051655-64-2	42
5	2,6-Cyclooctadien-1-ol	124	C8H12O	010017-18-2	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

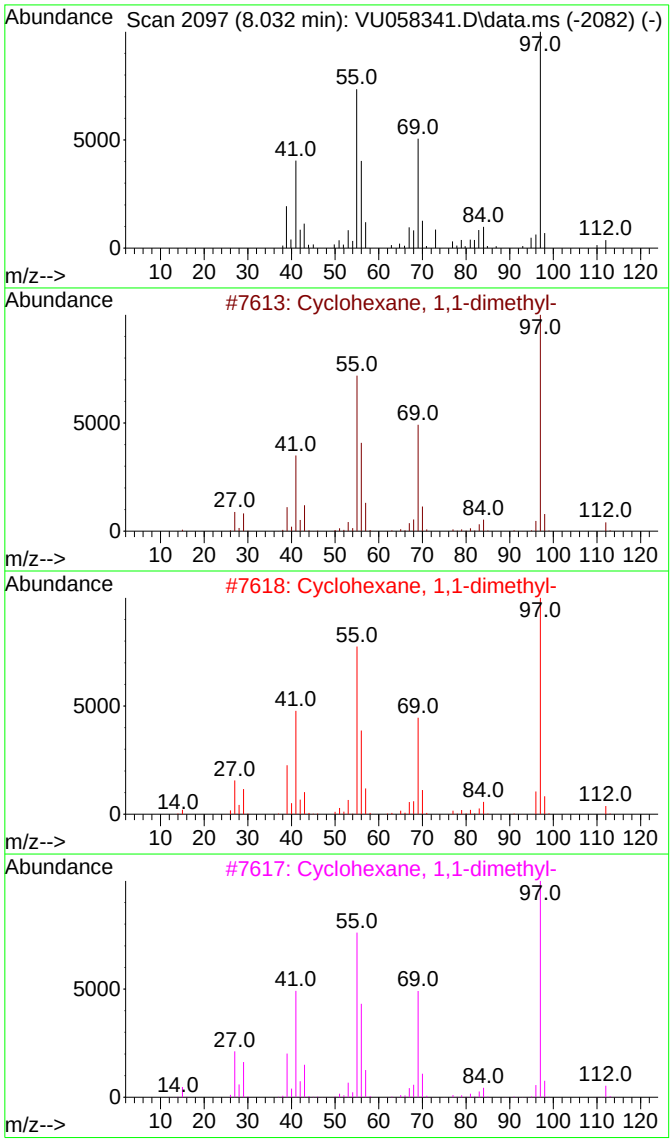
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

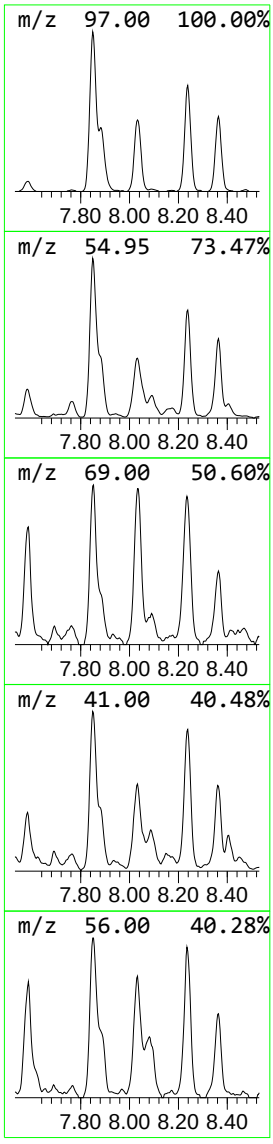
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic8.032 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.032	2.82 ug/L	134801	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	90
4	1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	64
5	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

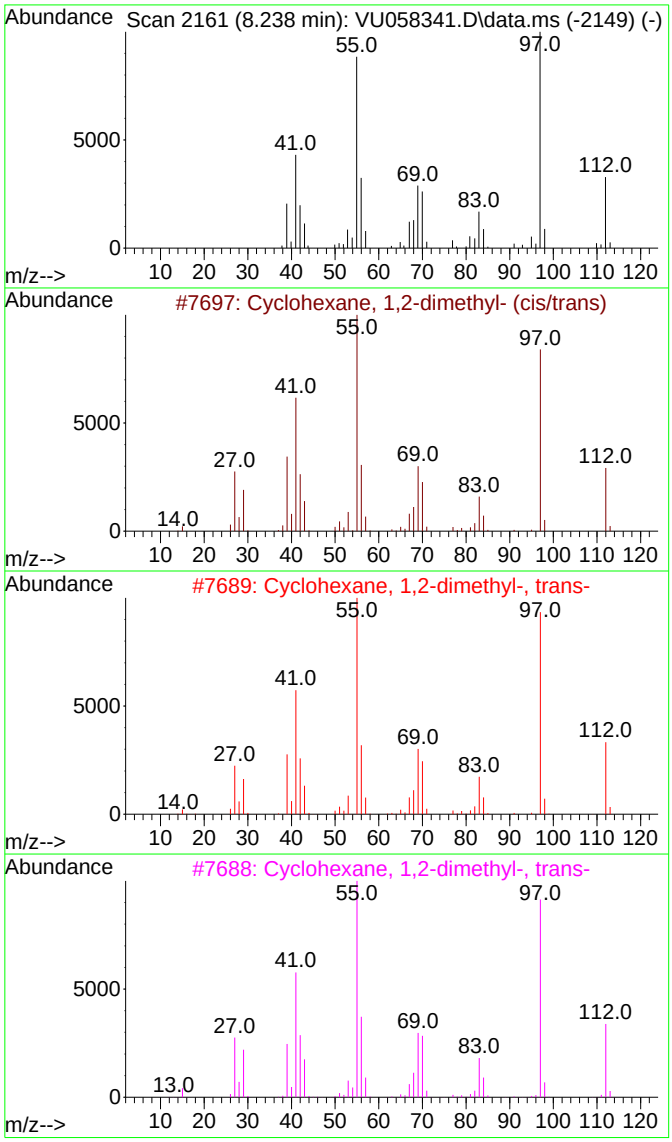
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

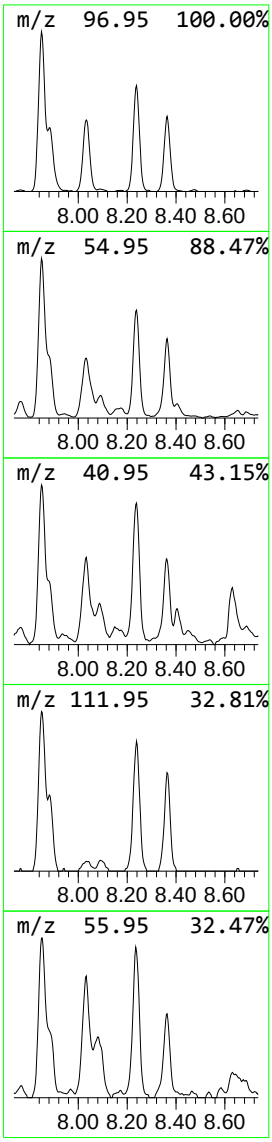
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic8.238 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.238	3.53 ug/L	168711	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	96
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

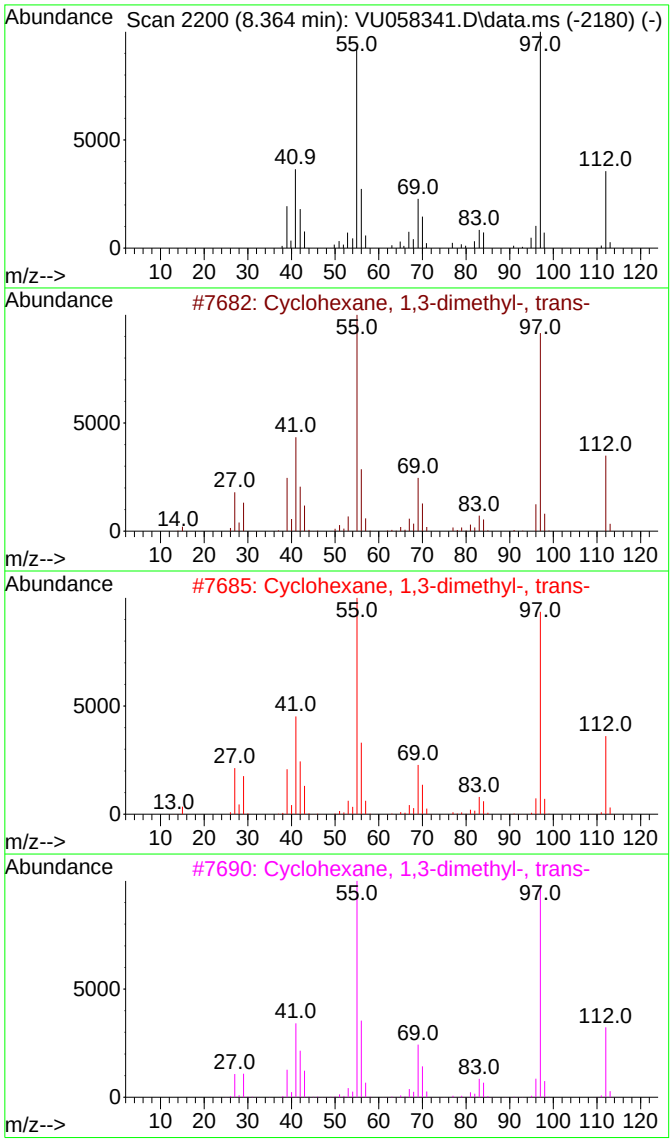
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

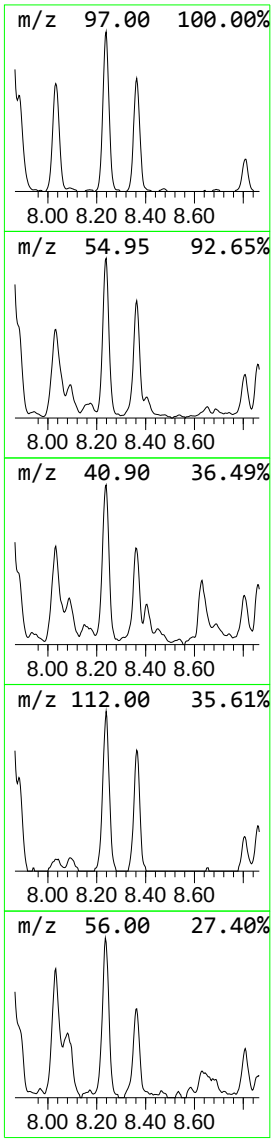
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic8.364 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.364	2.31 ug/L	110331	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	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

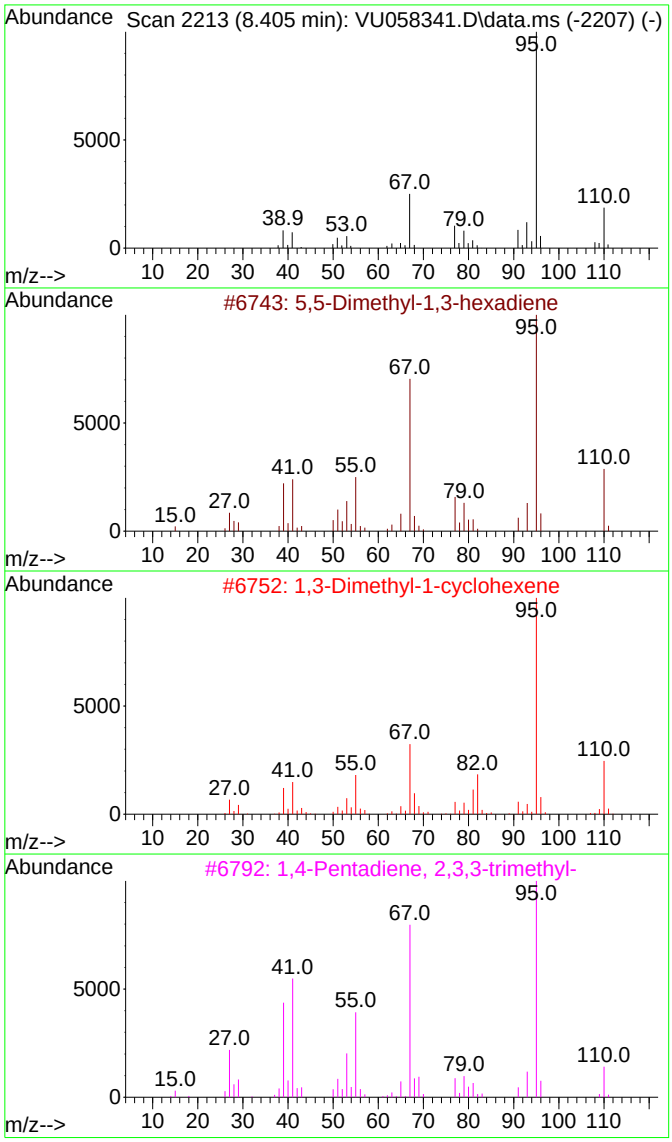
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

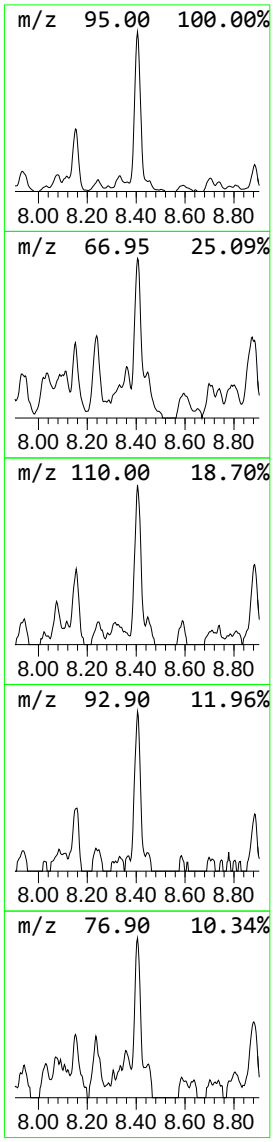
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 5,5-Dimethyl-1,3-hexadiene Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.405	1.29 ug/L	61390	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	91
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	80
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	78
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	78
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

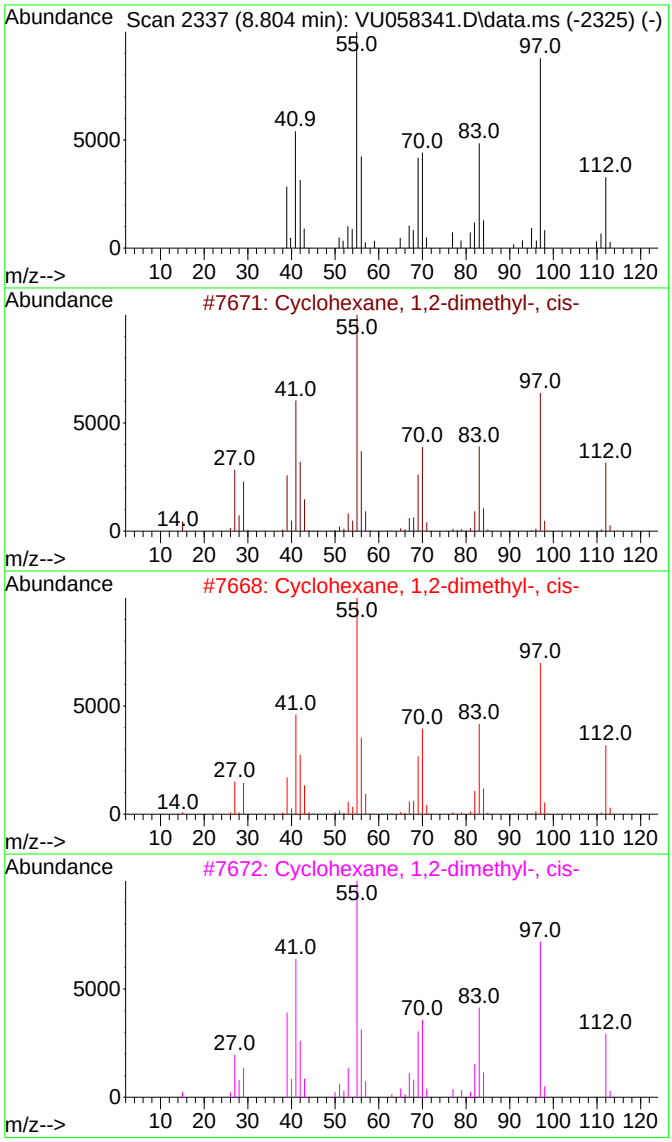
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

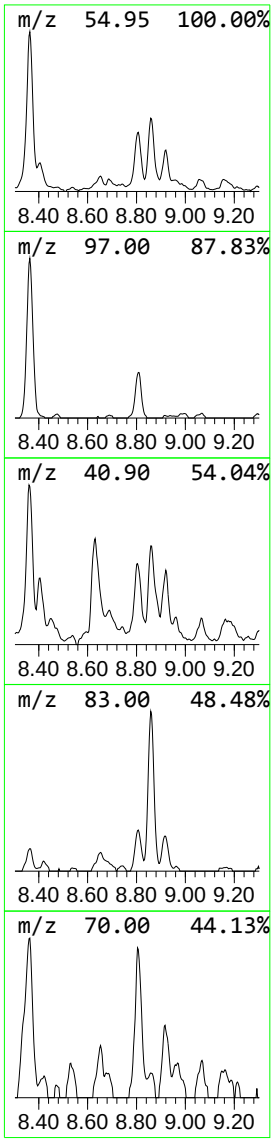
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic8.804 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.804	1.02 ug/L	48580	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	91
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

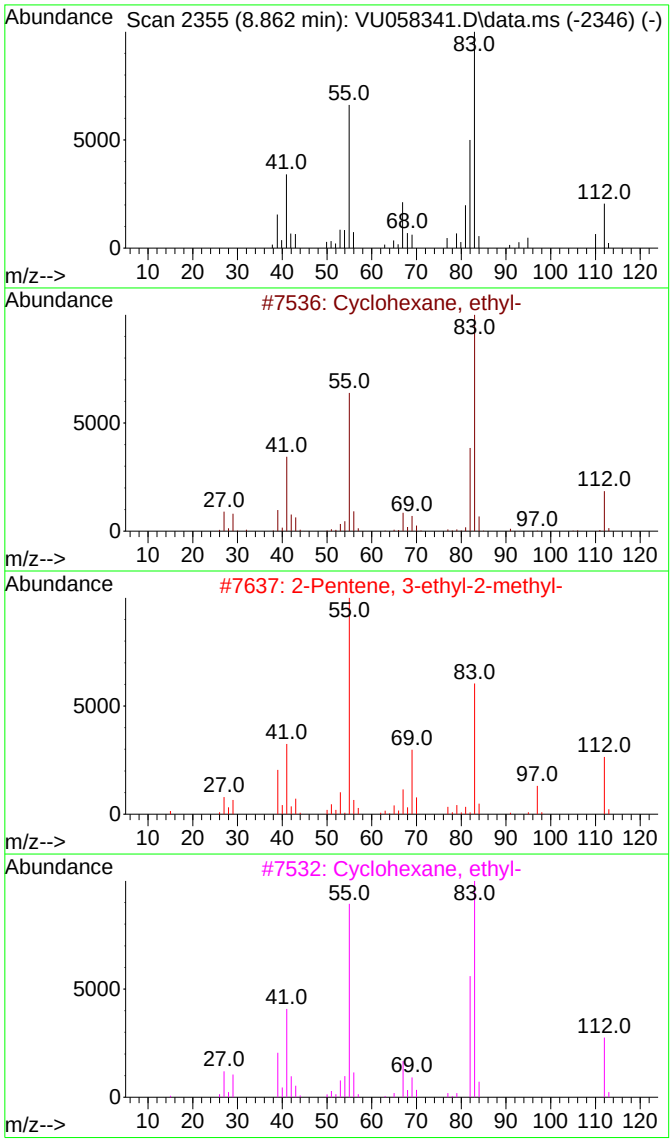
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

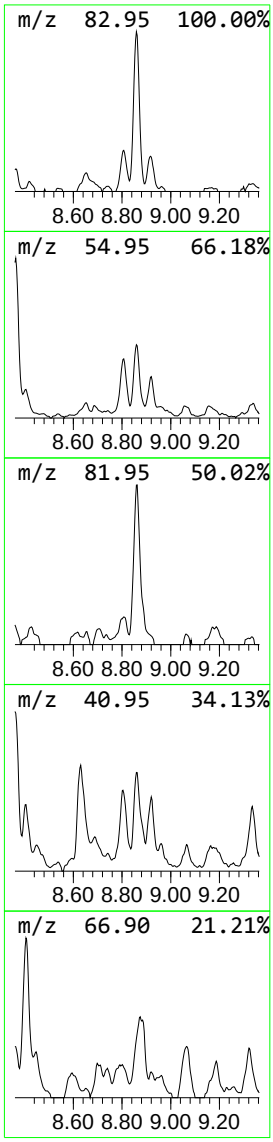
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic8.862 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.862	1.75 ug/L	83385	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
2	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	64
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

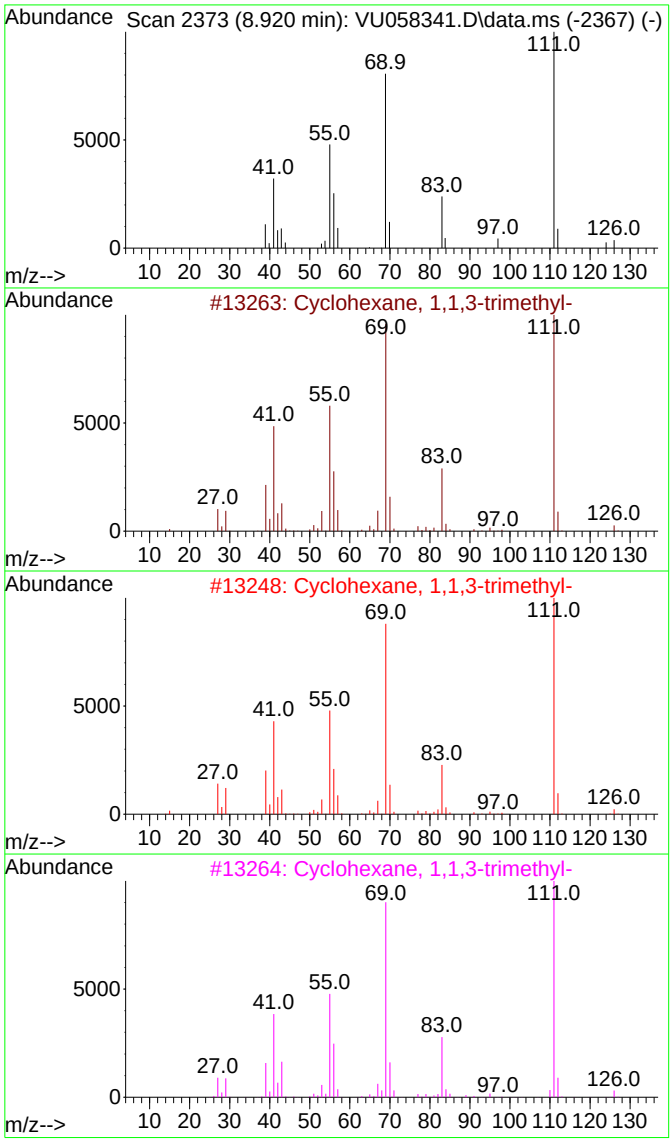
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

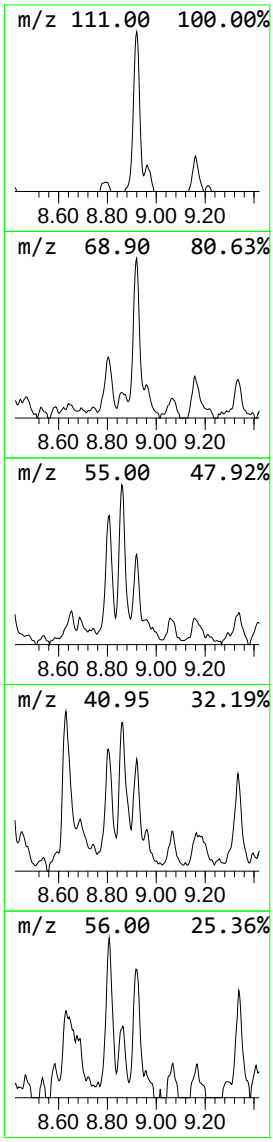
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic8.920 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.920	0.87 ug/L	41446	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	Cyclooctane, butyl-	168	C12H24	016538-93-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

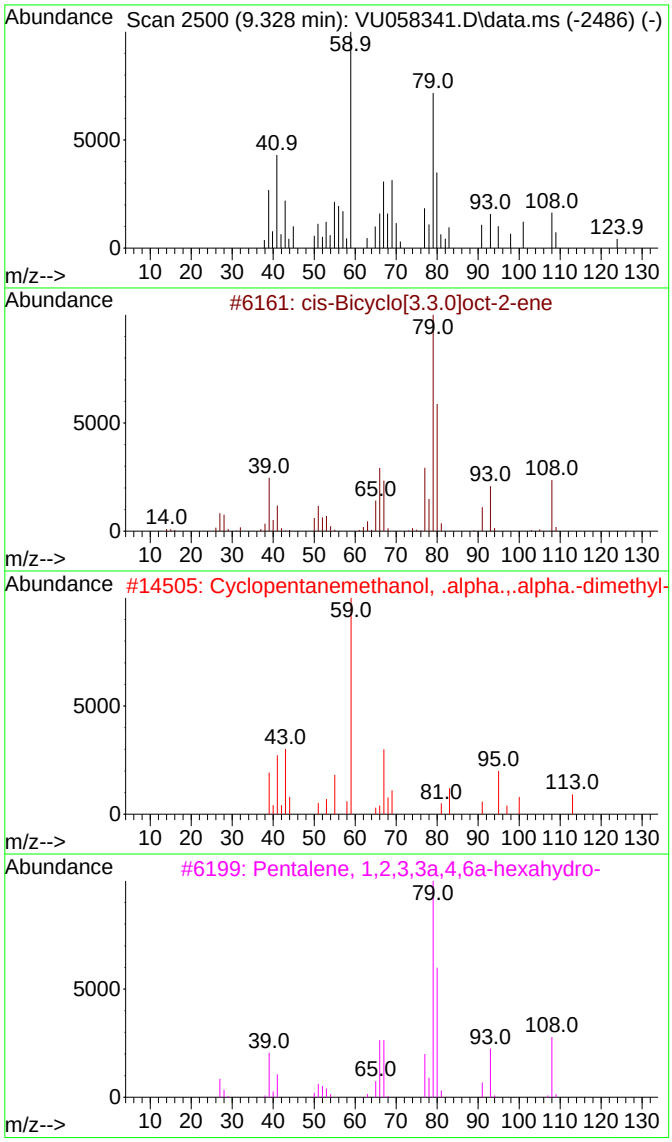
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

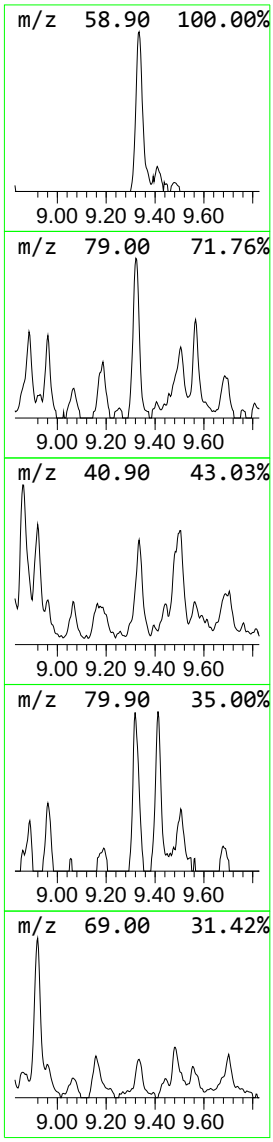
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 cis-Bicyclo[3.3.0]oct-2-ene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.328	1.08 ug/L	51502	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	Cyclopentanemethanol, .alpha.,.a...	128	C8H16O	001462-06-2	38
3	Pentalene, 1,2,3,3a,4,6a-hexahydro-	108	C8H12	005549-09-7	30
4	Bicyclo(3.2.1)oct-2-ene	108	C8H12	000823-02-9	30
5	1,3-Cyclooctadiene	108	C8H12	001700-10-3	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

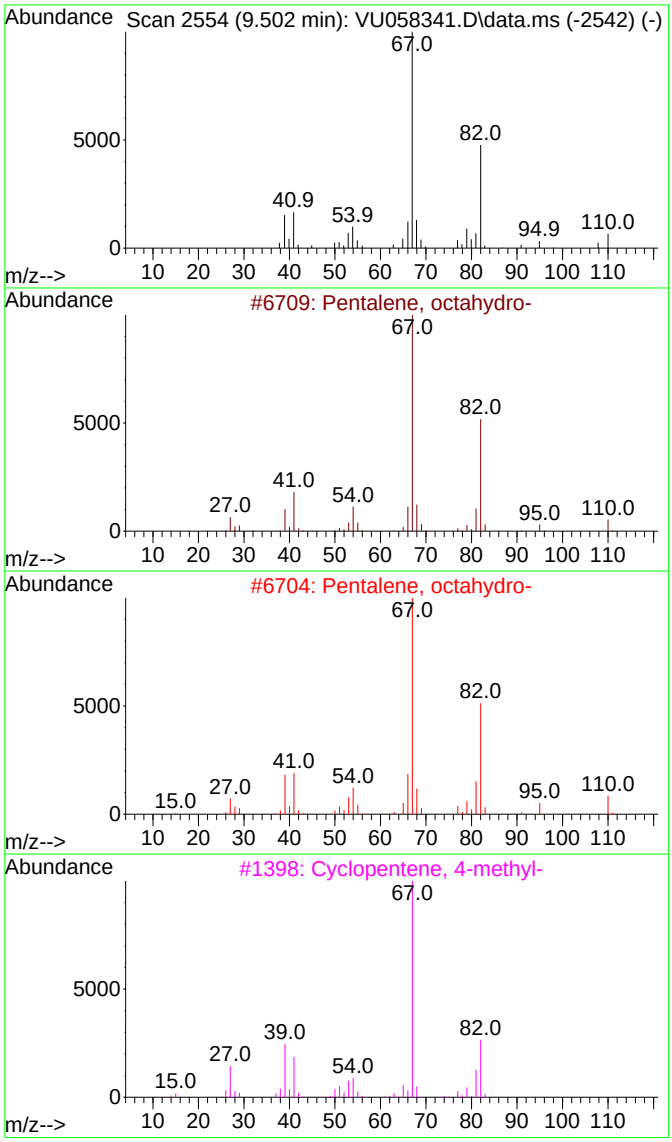
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

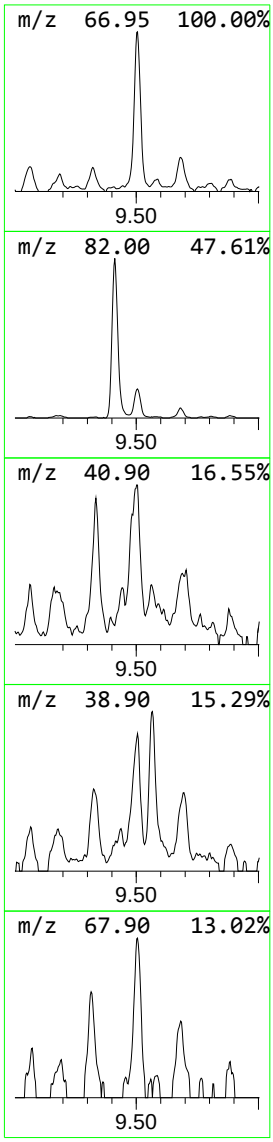
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Pentalene, octahydro- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.502	1.66 ug/L	79492	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	90
2	Pentalene, octahydro-	110	C8H14	000694-72-4	87
3	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	64
4	4-Methyl-2-pentyne	82	C6H10	021020-27-9	64
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

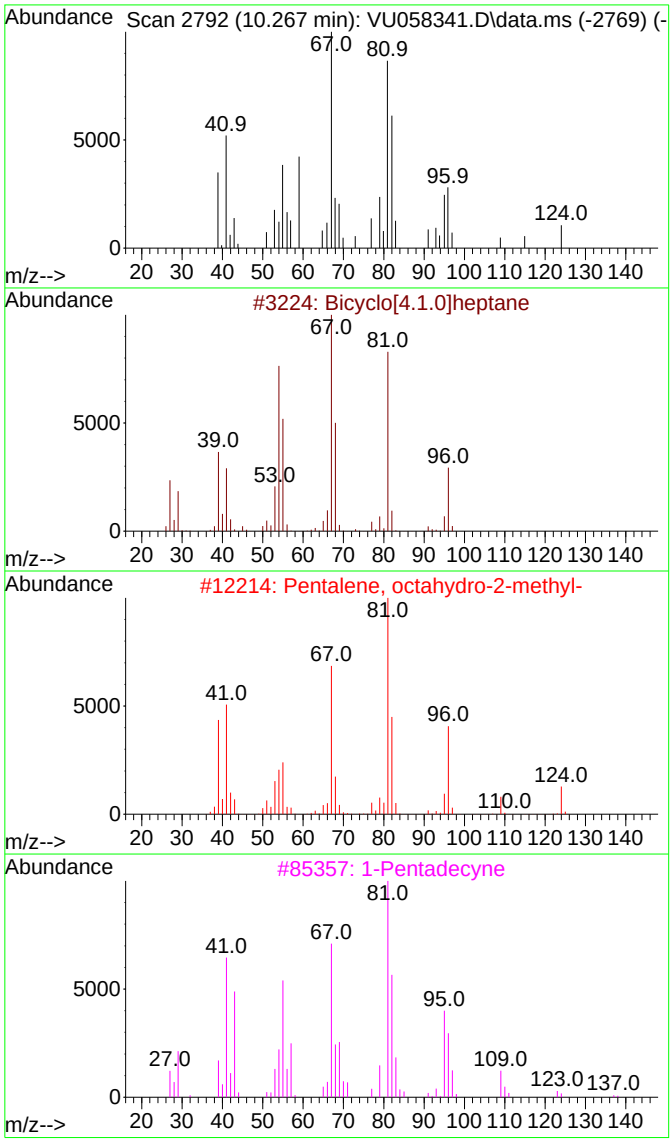
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

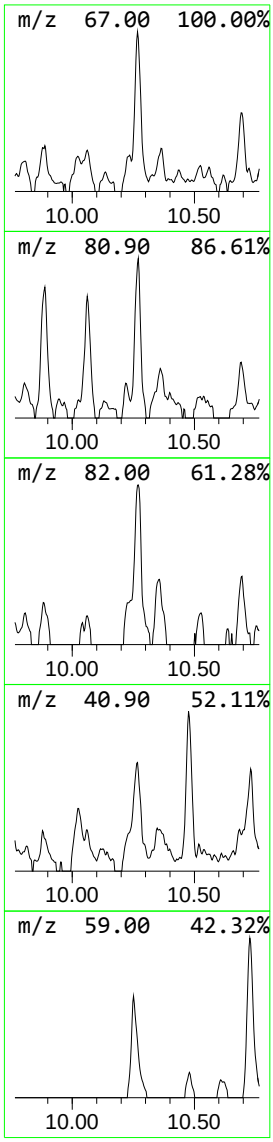
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 unknown-01 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.267	0.99 ug/L	47528	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	49
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	46
3	1-Pentadecyne	208	C15H28	000765-13-9	43
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	38
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

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

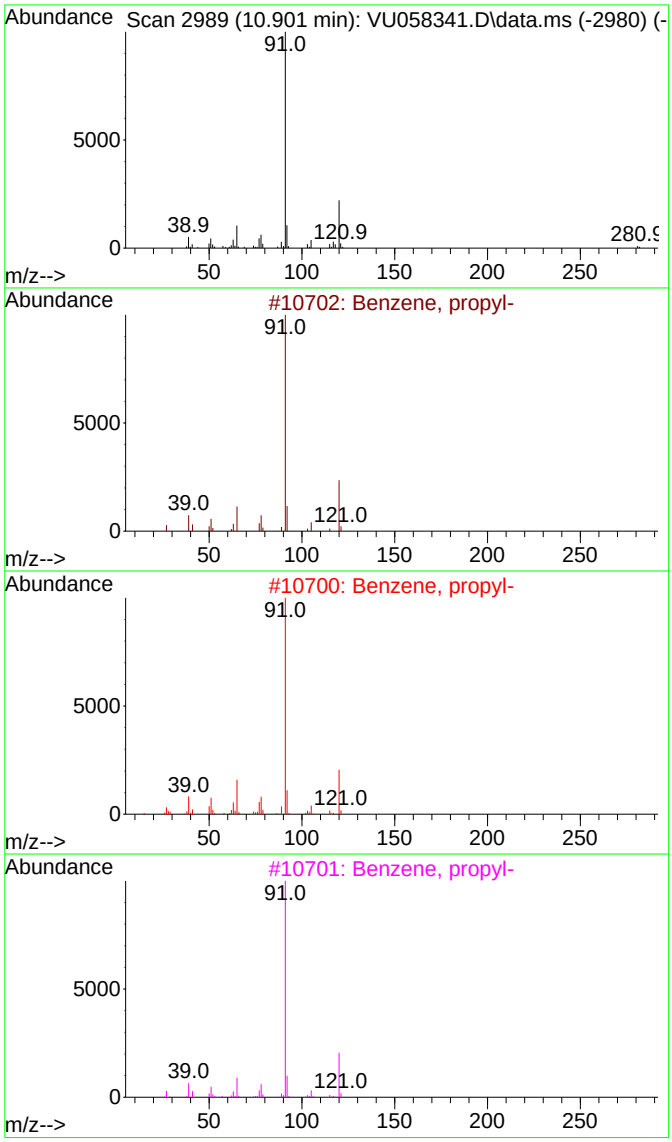
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

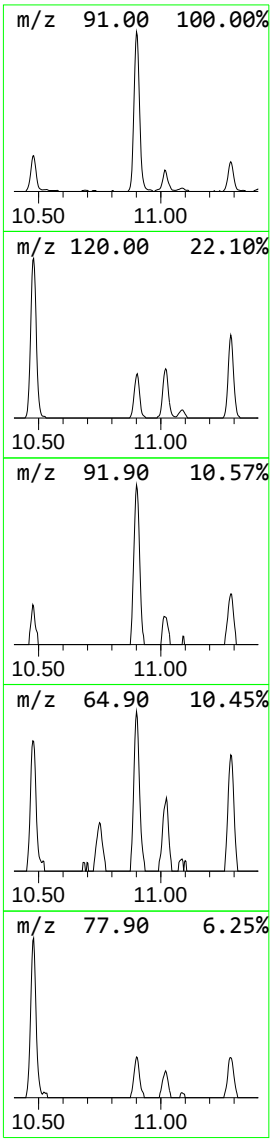
****

Peak Number 32 Benzene, propyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.900	1.50 ug/L	68905	1,4-Dichlorobenzene-d4	11.807

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	87
4	Benzene, propyl-	120	C9H12	000103-65-1	83
5	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	64





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

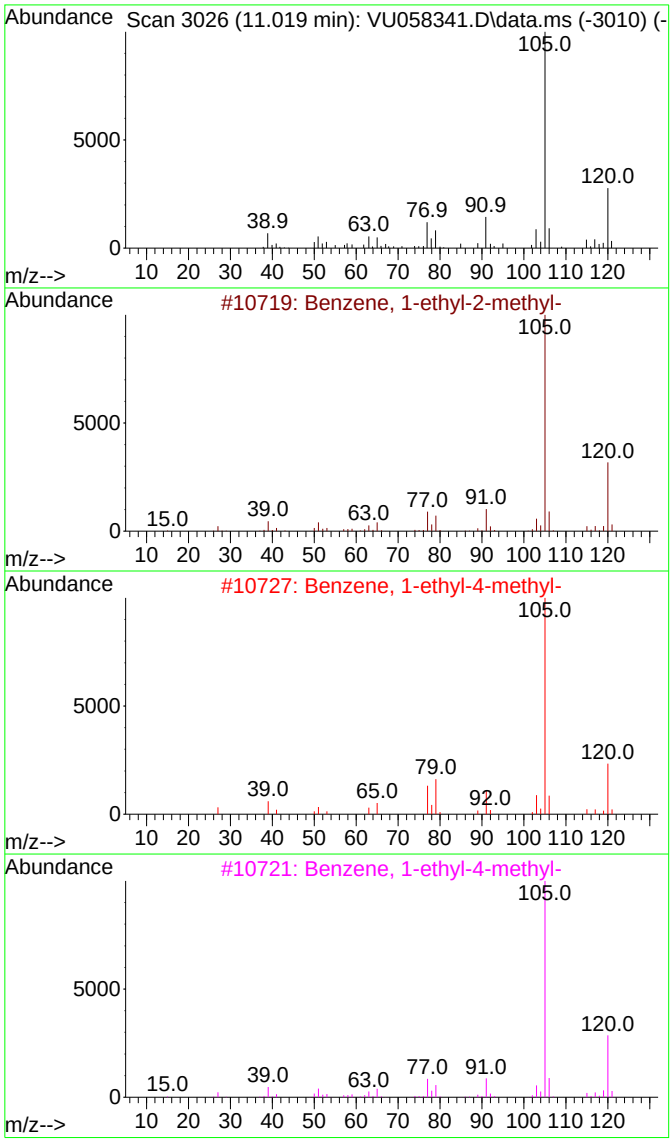
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

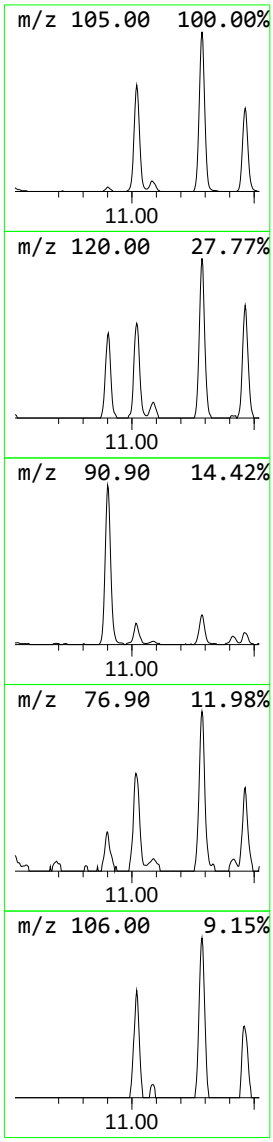
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-ethyl-2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.020	1.74 ug/L	79689	1,4-Dichlorobenzene-d4	11.807

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-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

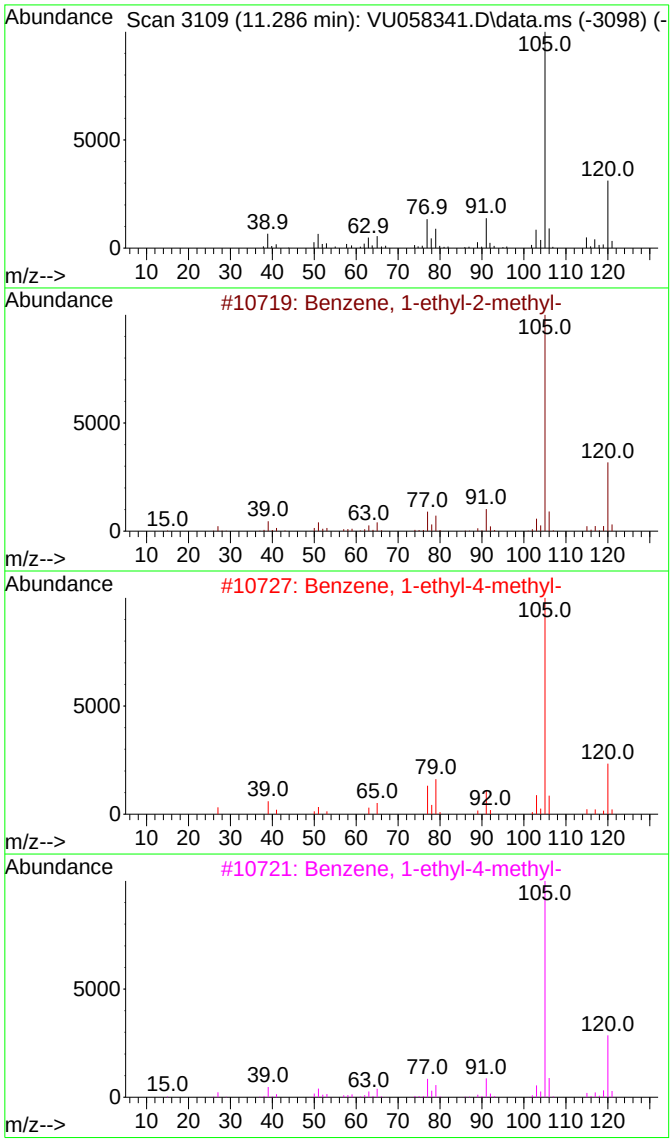
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

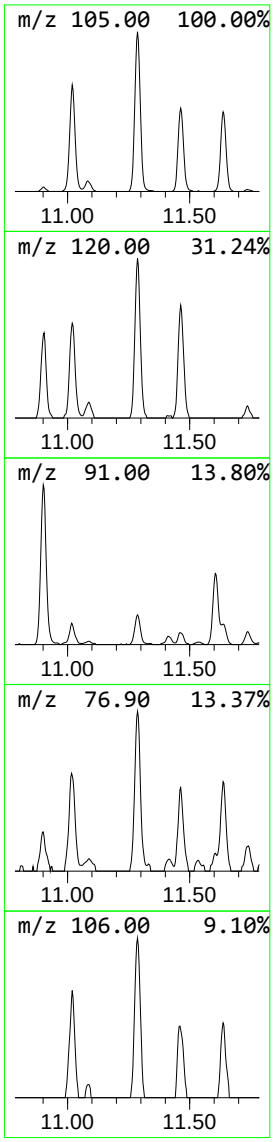
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 1-ethyl-4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	2.58 ug/L	118311	1,4-Dichlorobenzene-d4	11.807

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	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

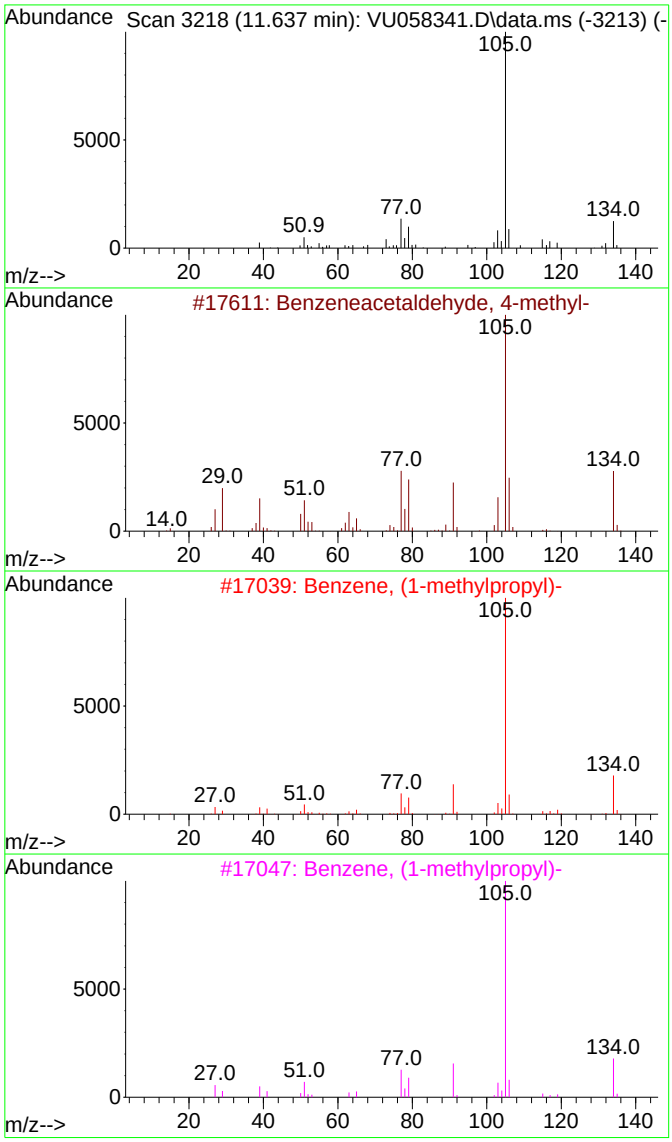
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

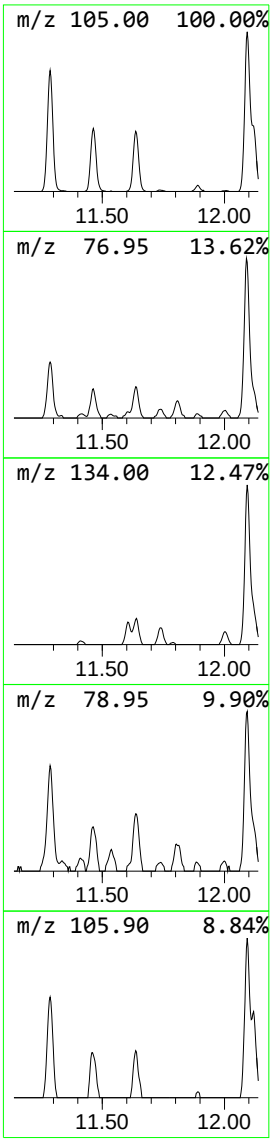
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzeneacetaldehyde, 4-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.637	1.36 ug/L	62067	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	80
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

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

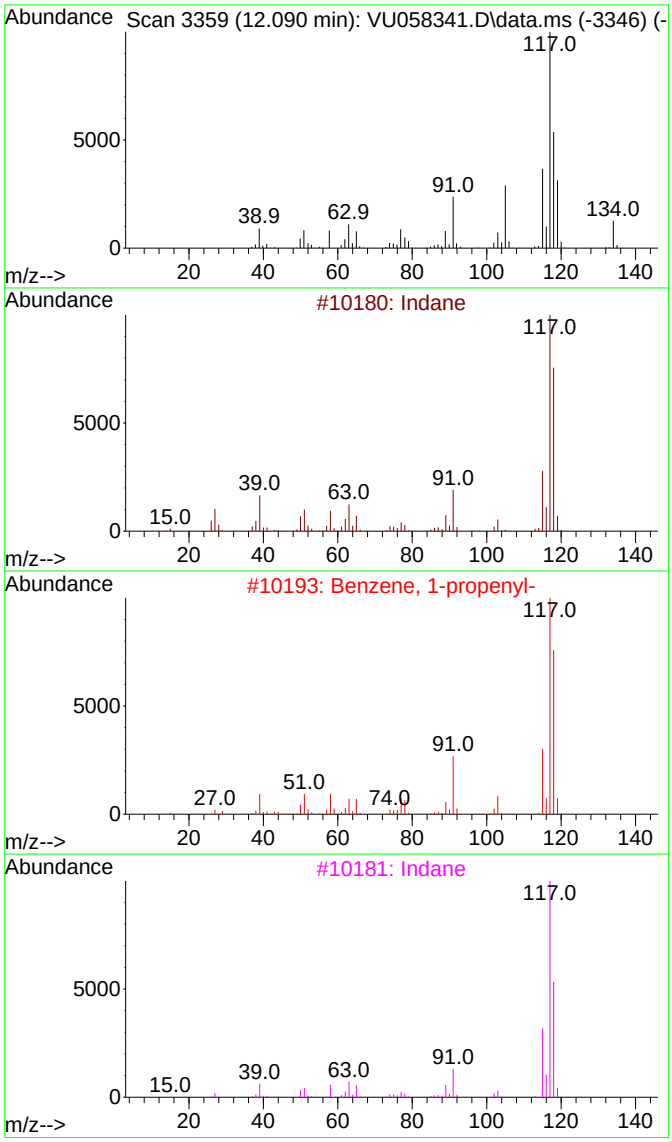
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

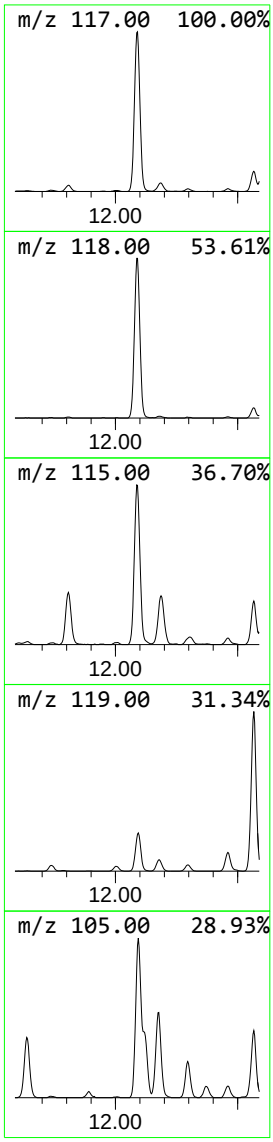
****

Peak Number 39 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.090	18.10 ug/L	828961	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
3	Indane	118	C9H10	000496-11-7	91
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
5	Indane	118	C9H10	000496-11-7	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

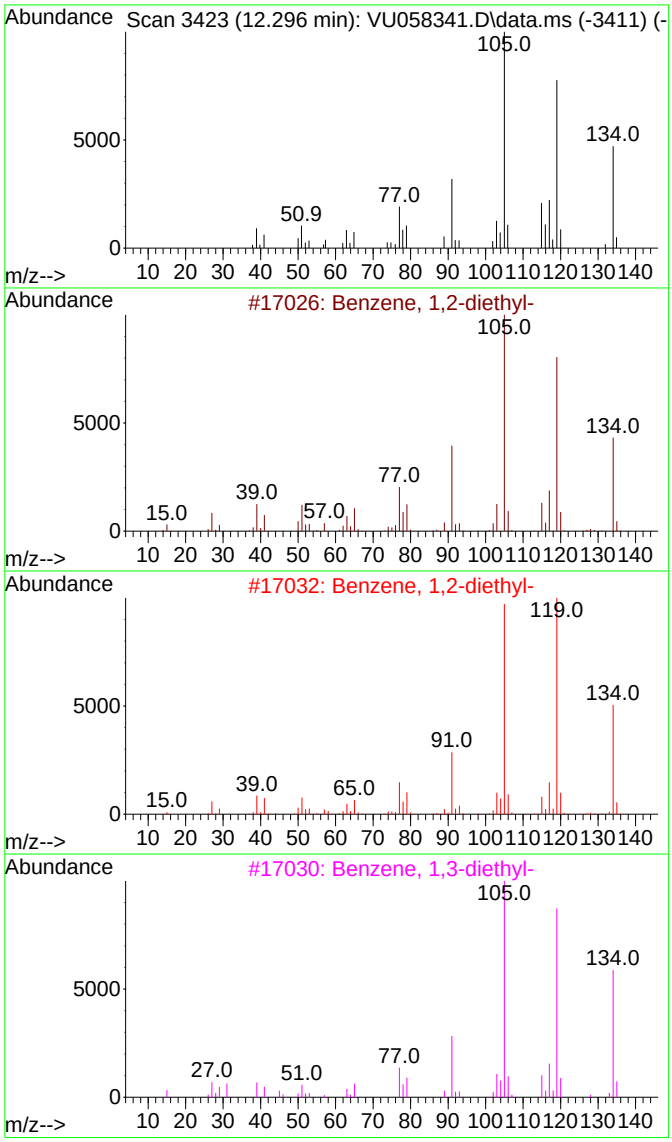
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

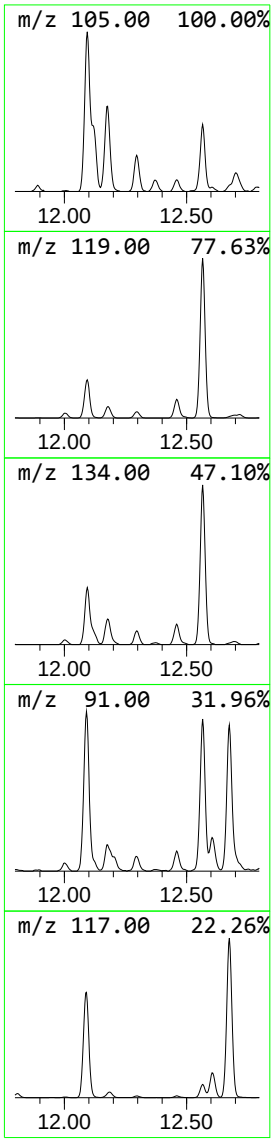
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, 1,2-diethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.296	1.35 ug/L	62043	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	81
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	76





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

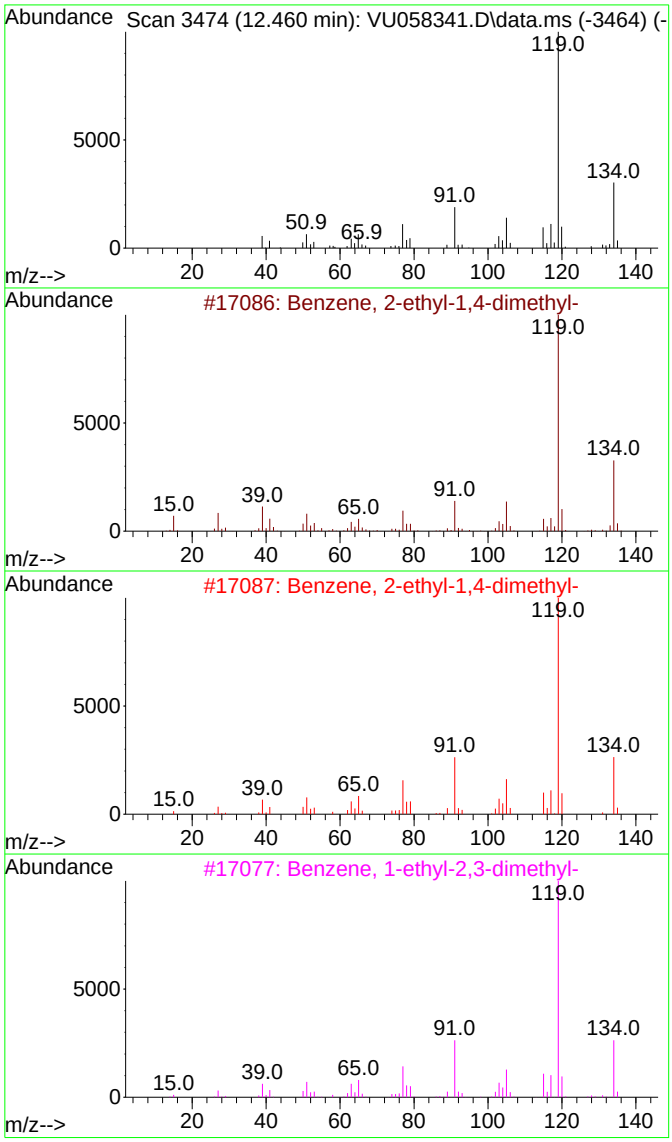
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

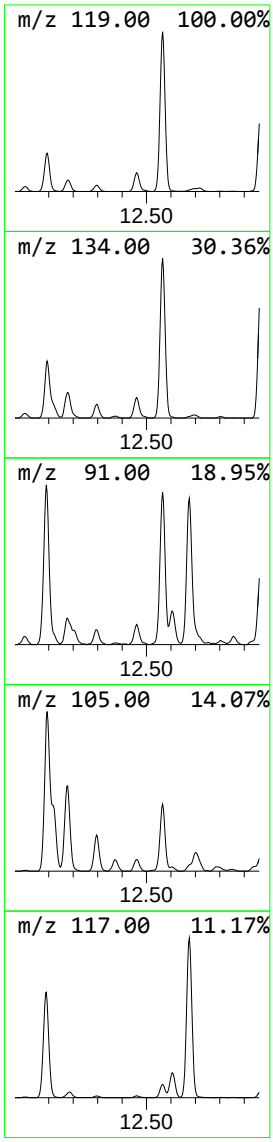
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.460	1.81 ug/L	82856	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	o-Cymene	134	C10H14	000527-84-4	94





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

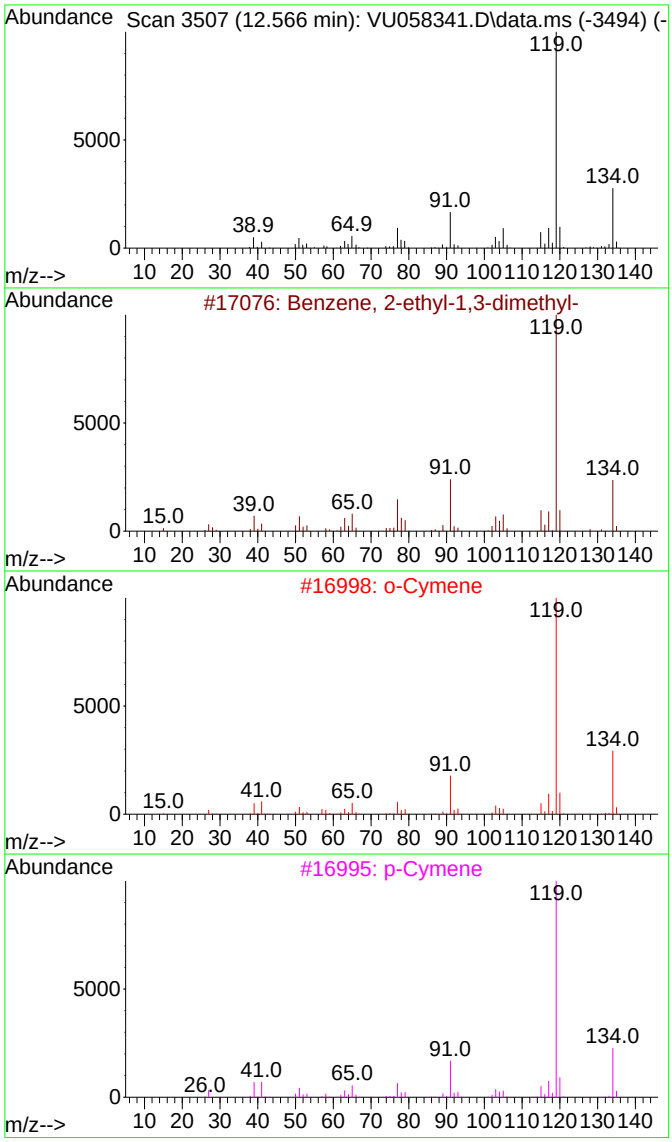
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

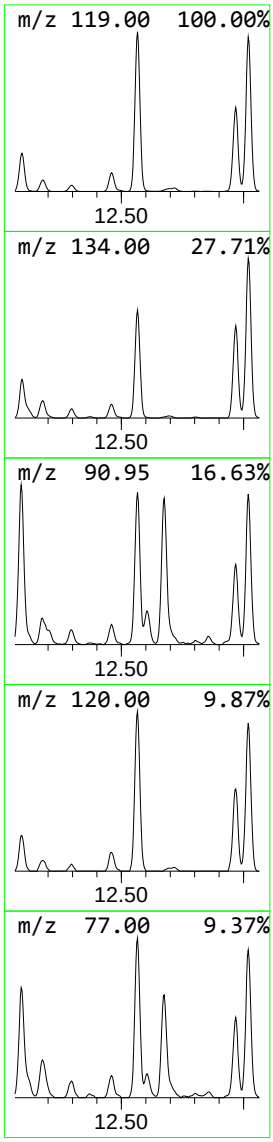
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.566	13.59 ug/L	622248	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

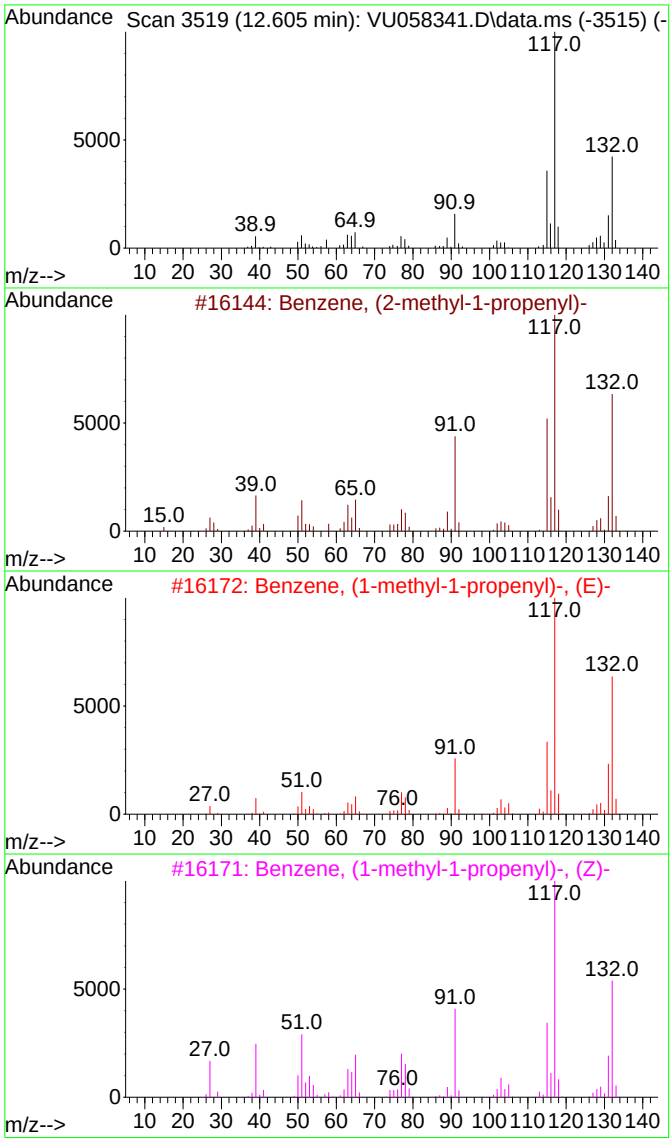
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

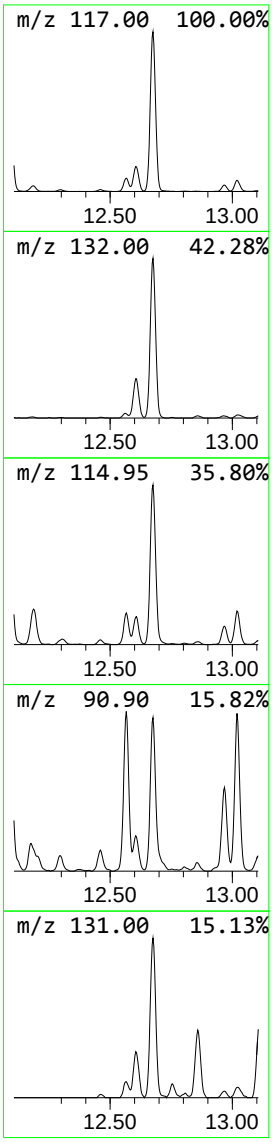
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, (2-methyl-1-propen... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.605	3.18 ug/L	145475	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

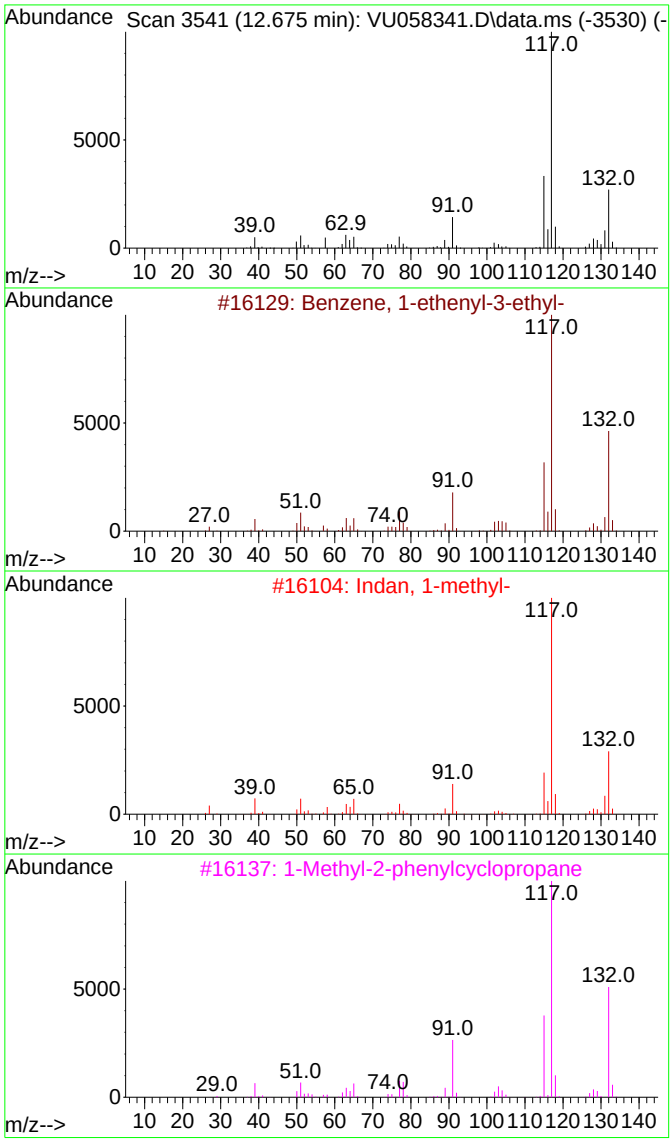
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

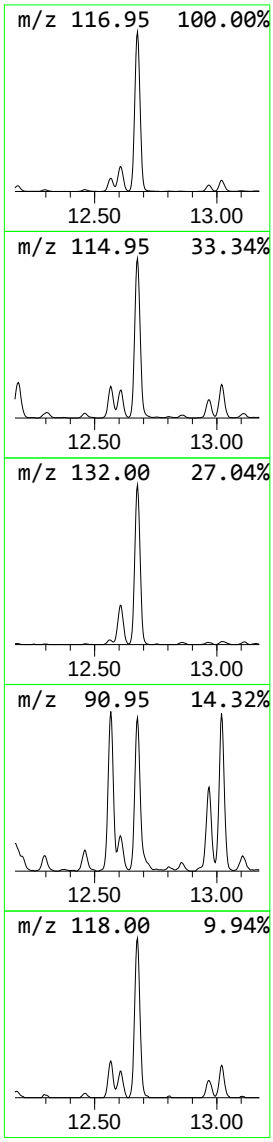
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.675	17.74 ug/L	812179	1,4-Dichlorobenzene-d4	11.807

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-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	90
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

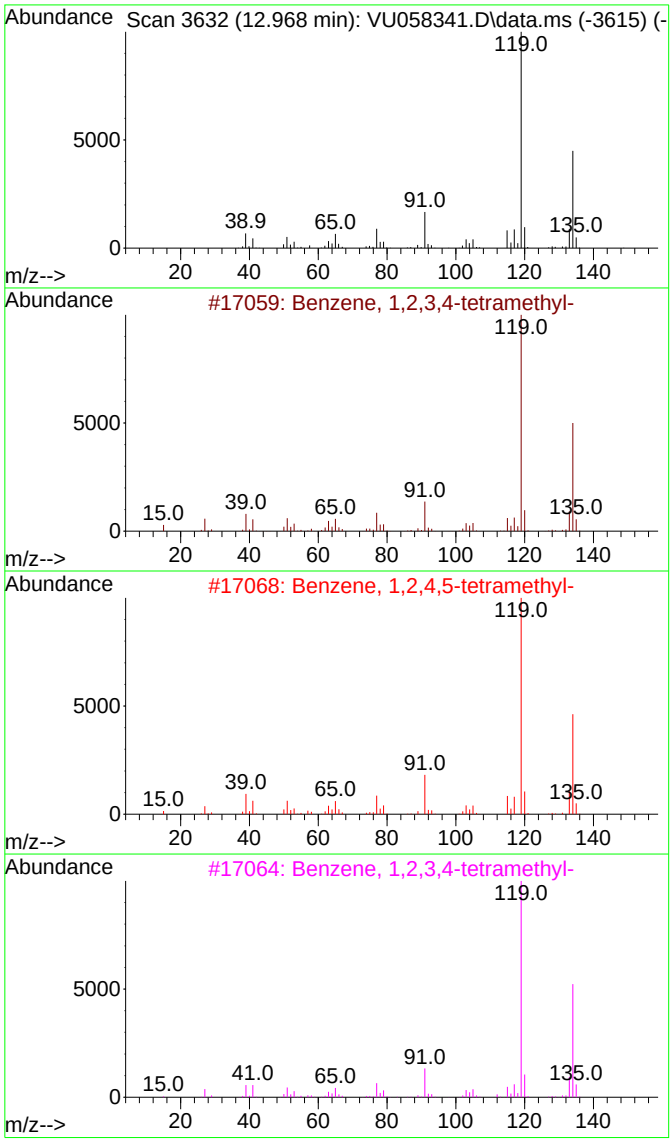
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

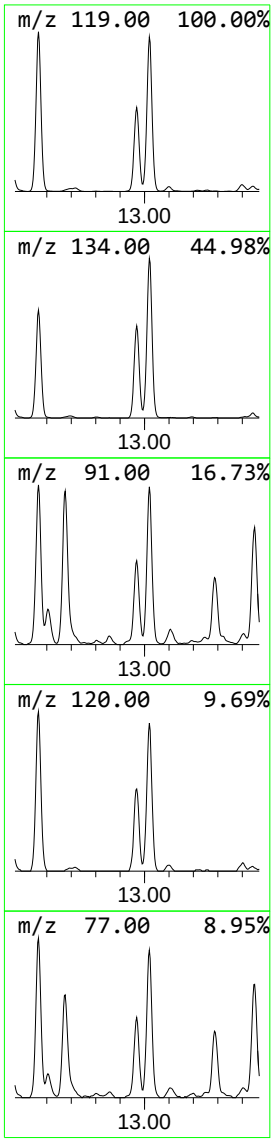
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.968	7.93 ug/L	362948	1,4-Dichlorobenzene-d4	11.807

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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

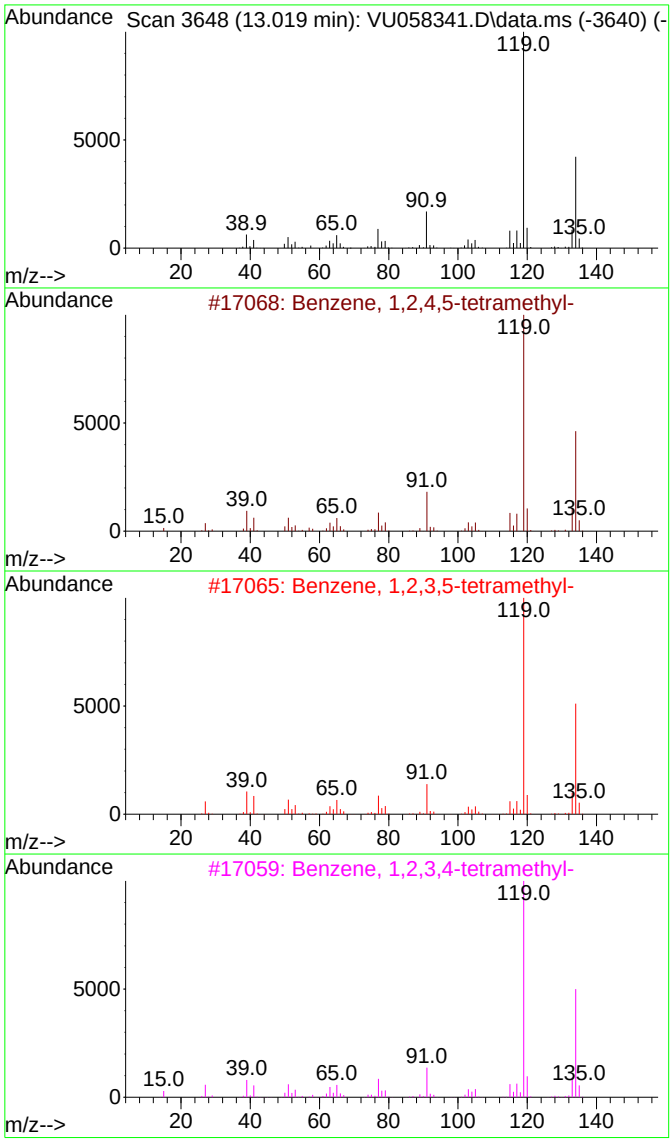
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

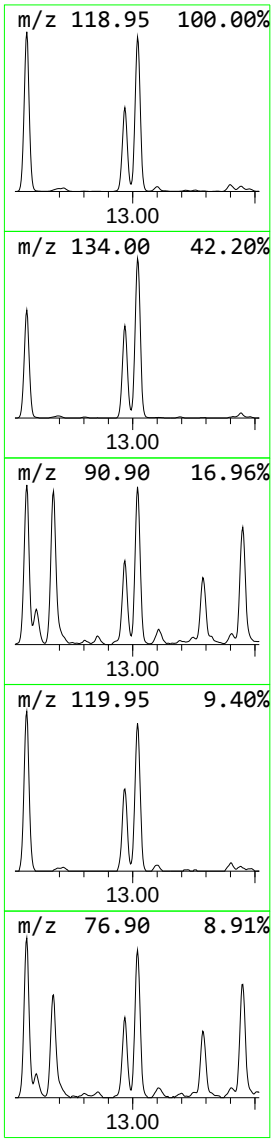
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.019	14.00 ug/L	641040	1,4-Dichlorobenzene-d4	11.807

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

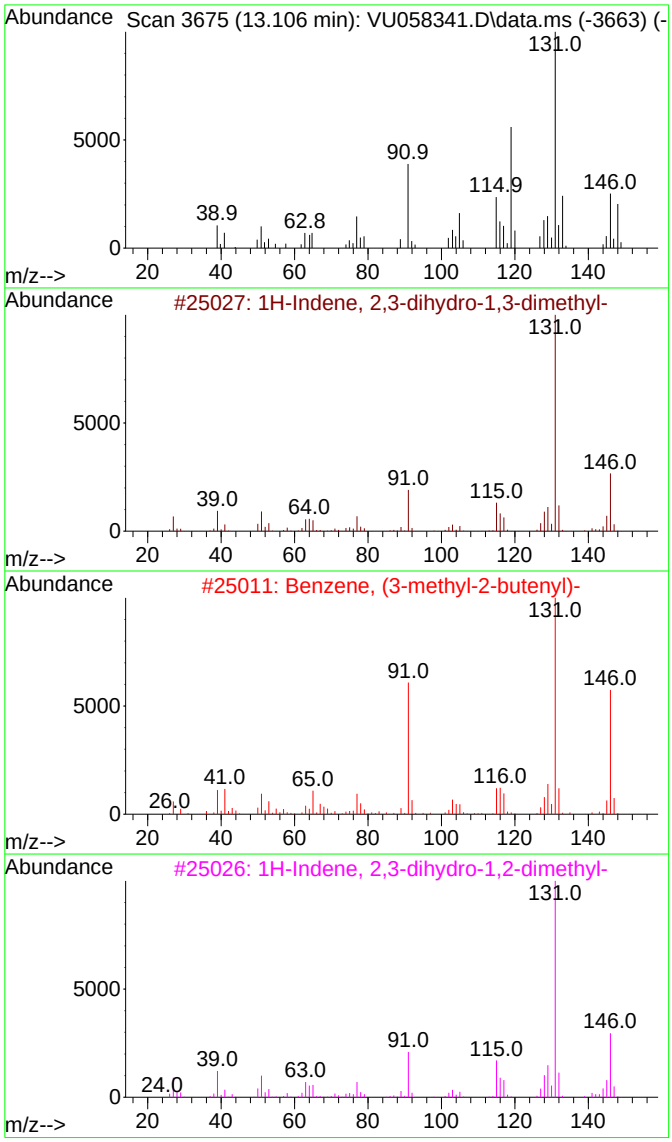
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

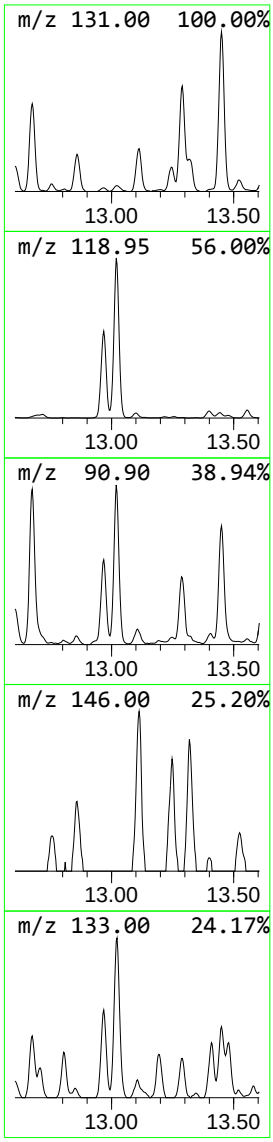
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.106	1.25 ug/L	57427	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

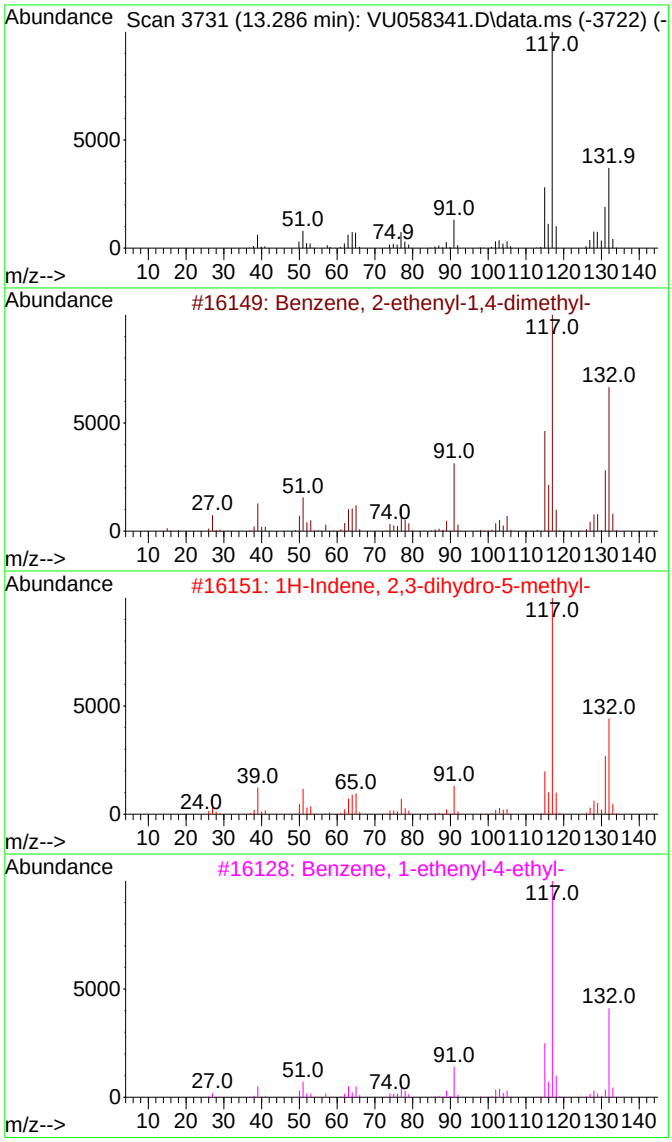
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

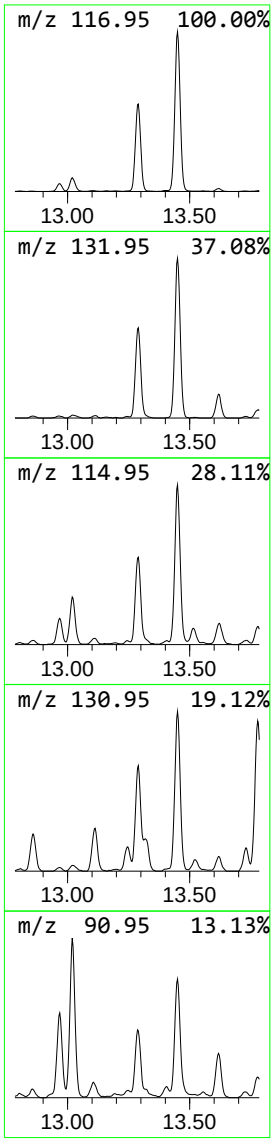
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	9.71 ug/L	444521	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

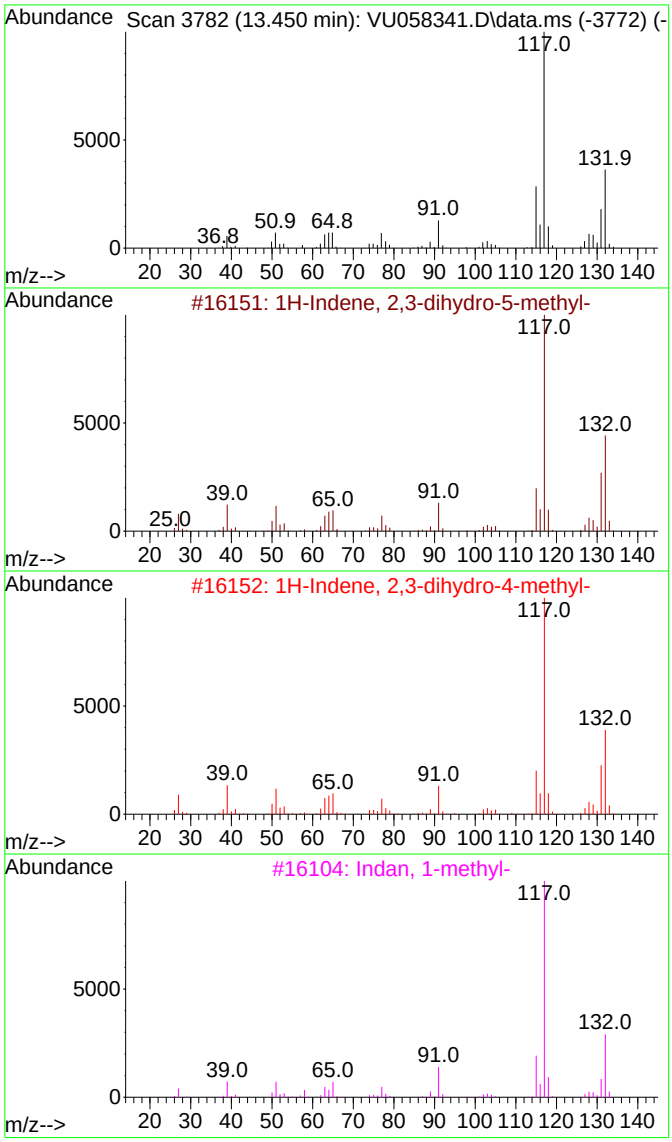
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

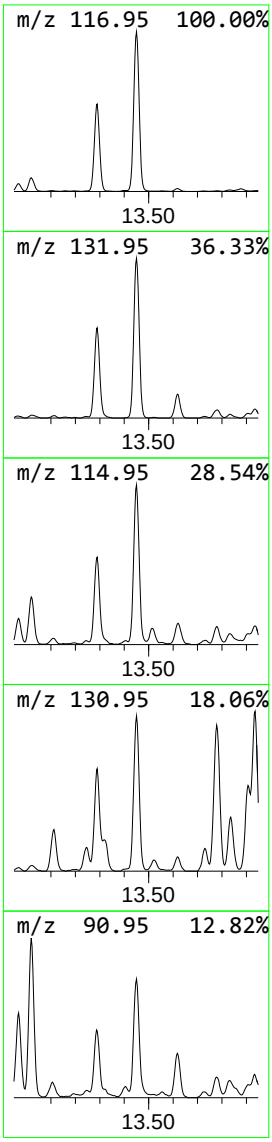
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.450	16.80 ug/L	769481	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

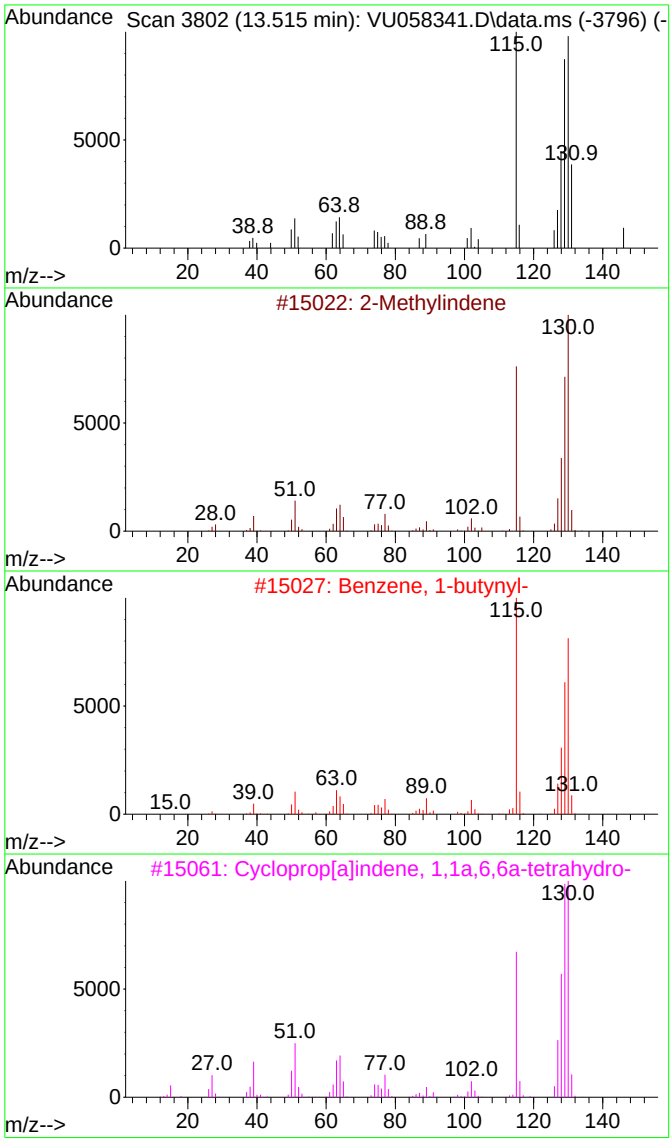
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

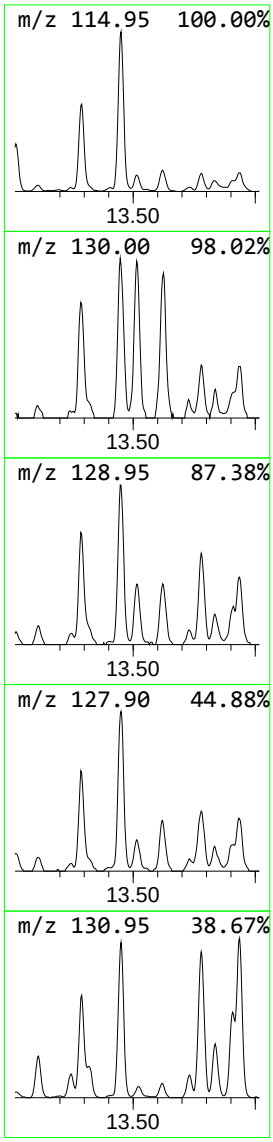
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 2-Methylindene Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.515	0.96 ug/L	44057	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	93
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	89
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	83
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	76





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

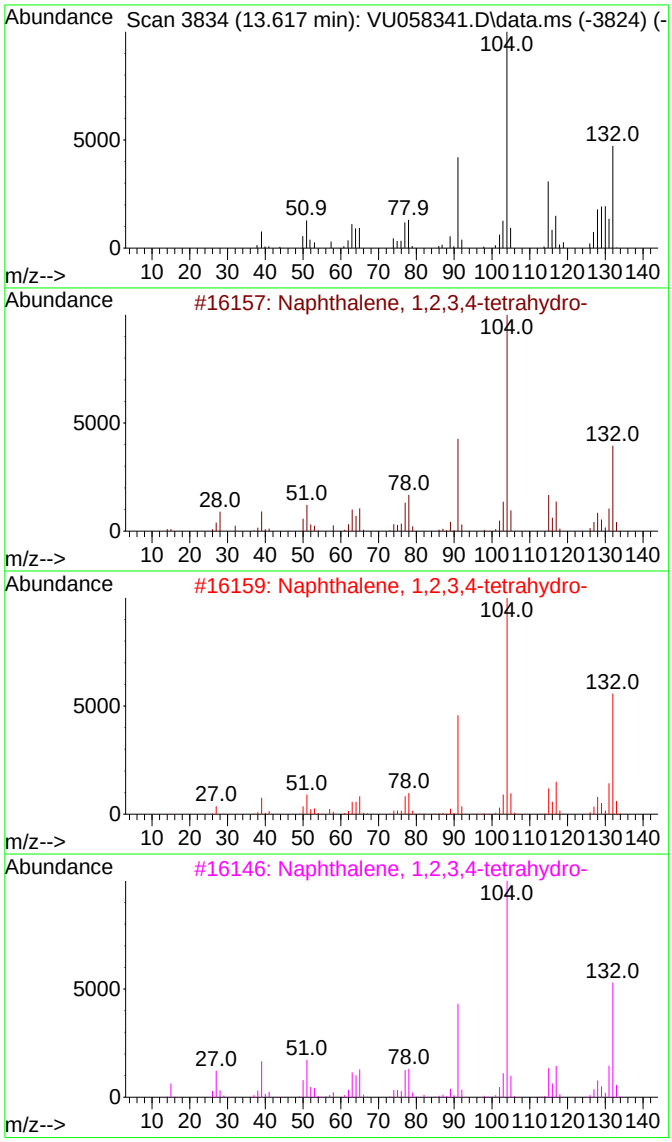
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

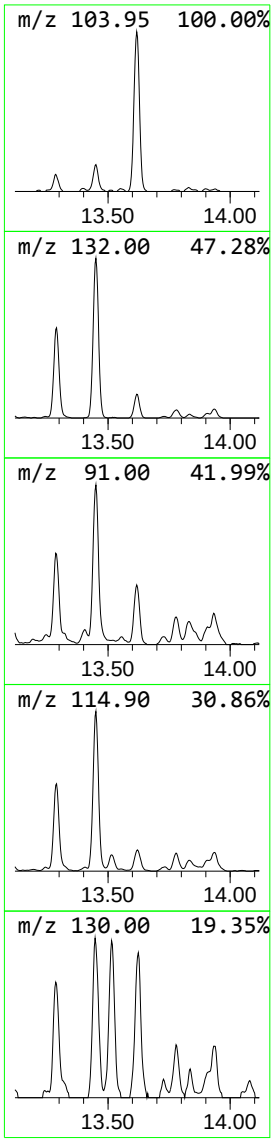
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.618	3.05 ug/L	139435	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

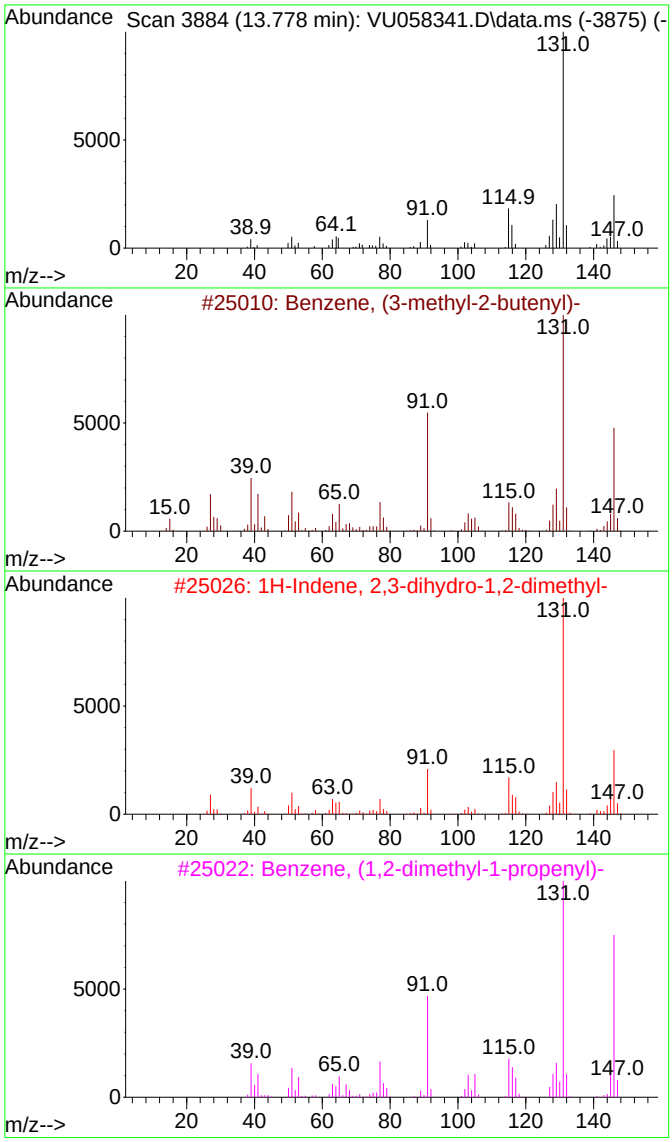
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

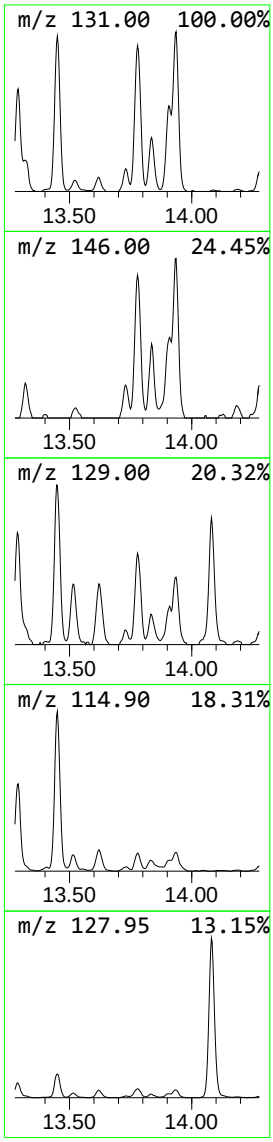
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, (3-methyl-2-butenyl)- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.778	2.93 ug/L	134258	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

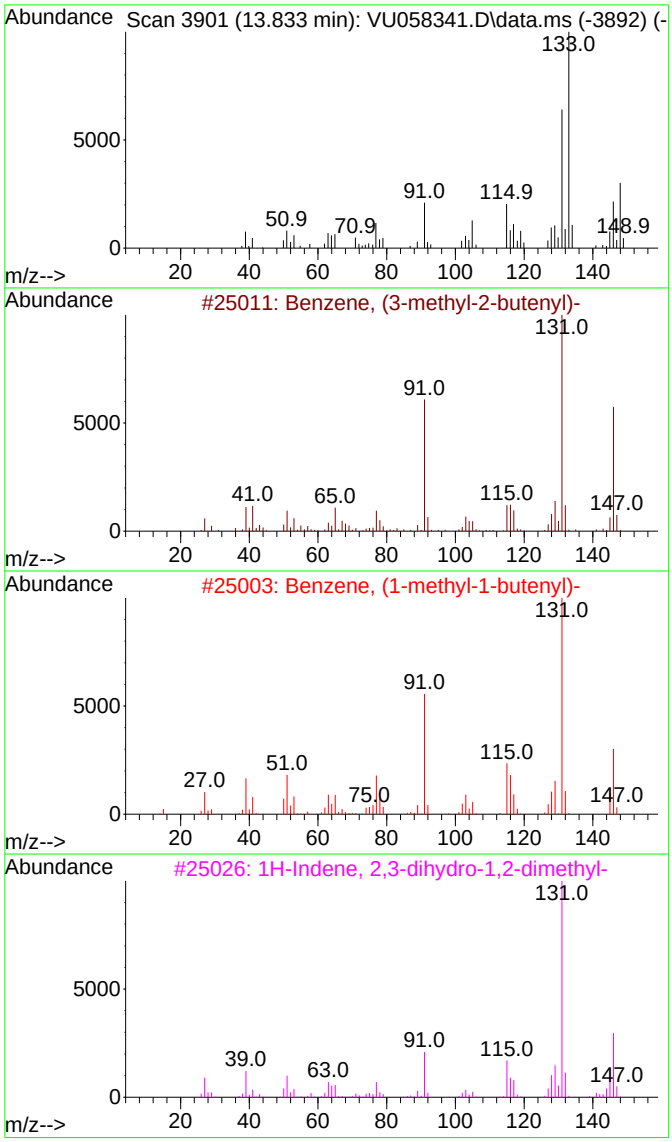
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

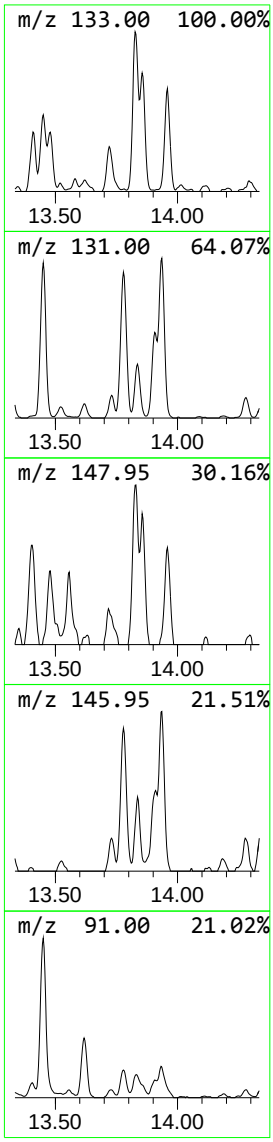
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Benzene, (1-methyl-1-butenyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	3.31 ug/L	151717	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	80
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	66
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	55
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
5	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	49





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Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

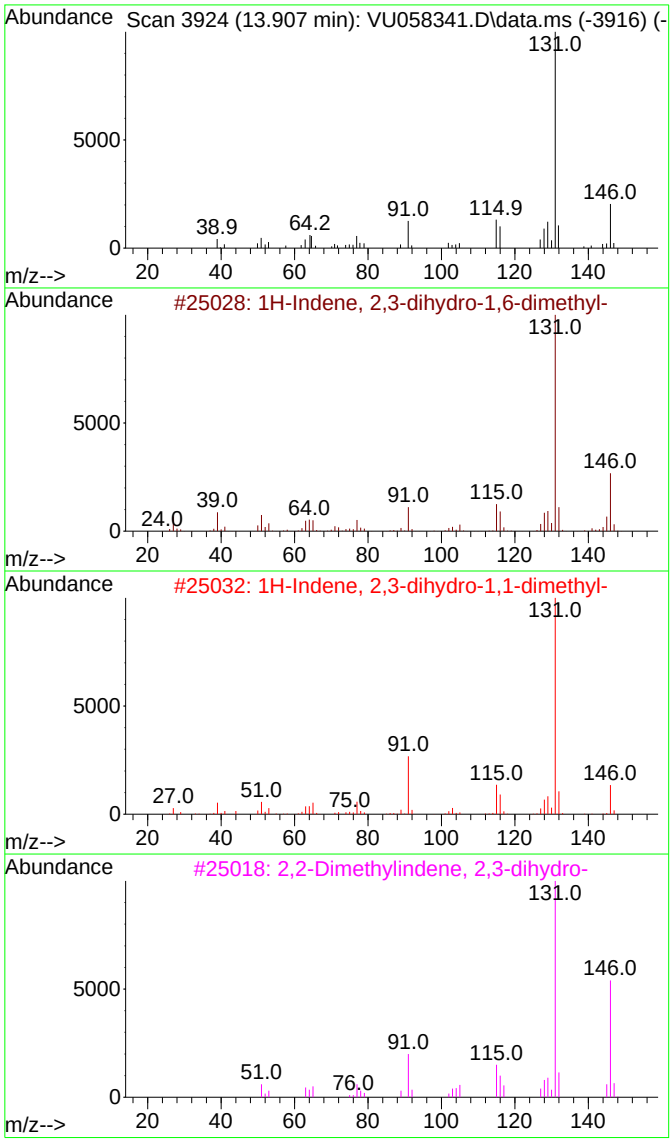
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

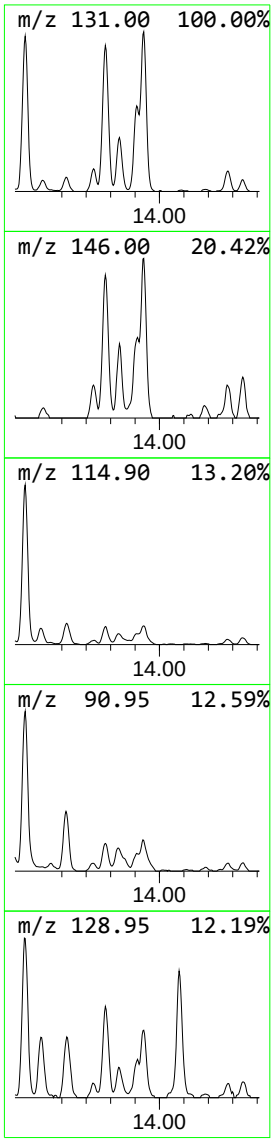
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.907	1.48 ug/L	67704	1,4-Dichlorobenzene-d4	11.807

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-1,1-dimet...	146	C11H14	004912-92-9	94
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

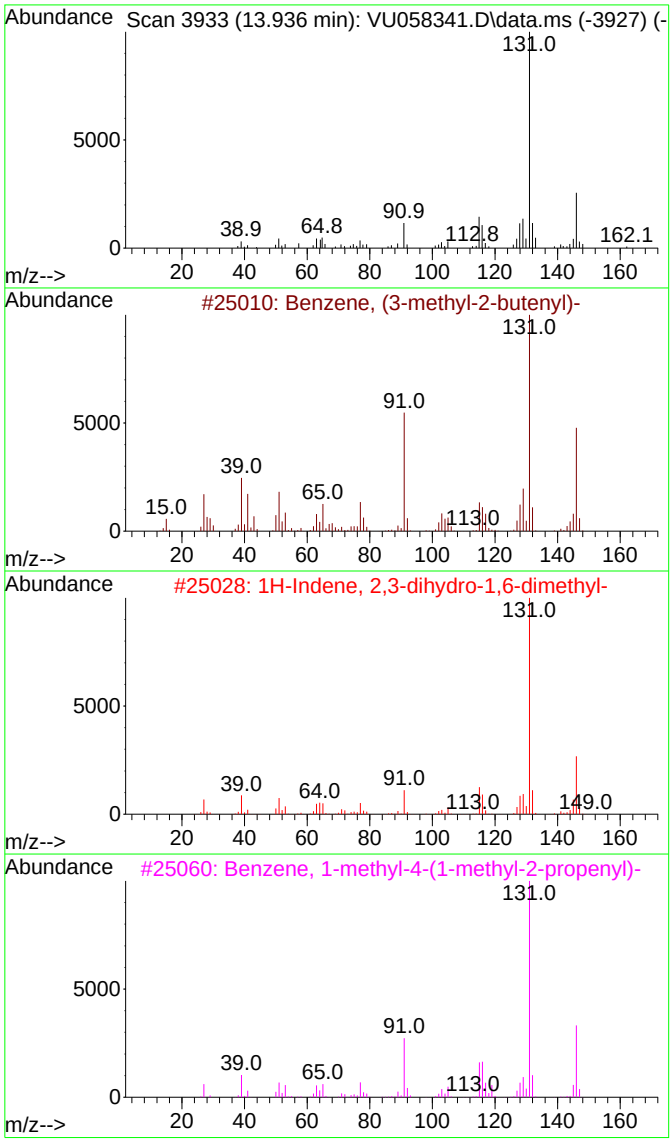
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

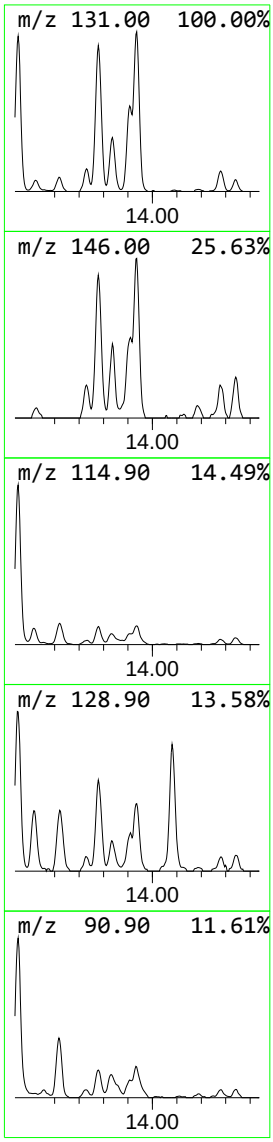
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Benzene, 1-methyl-4-(1-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.936	3.46 ug/L	158374	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

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

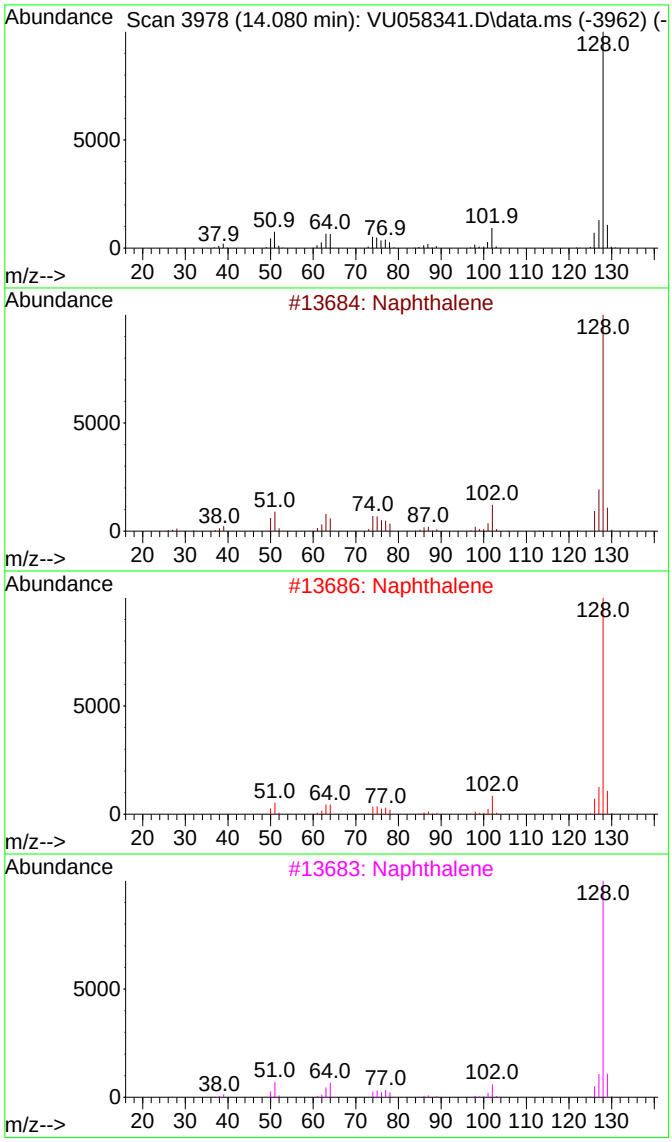
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

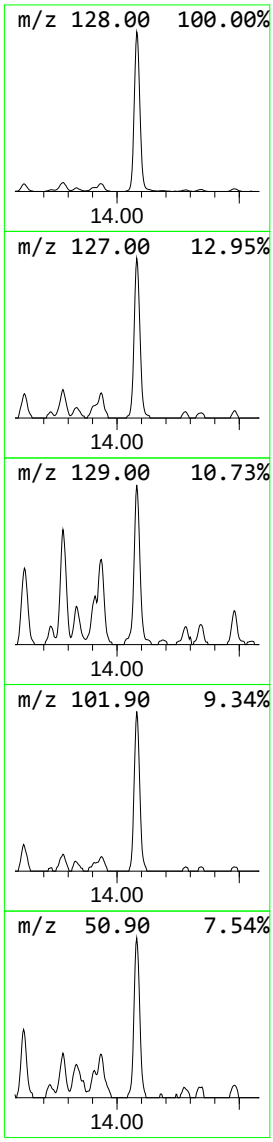
****

Peak Number 60 Azulene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.081	4.95 ug/L	226463	1,4-Dichlorobenzene-d4	11.807

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\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

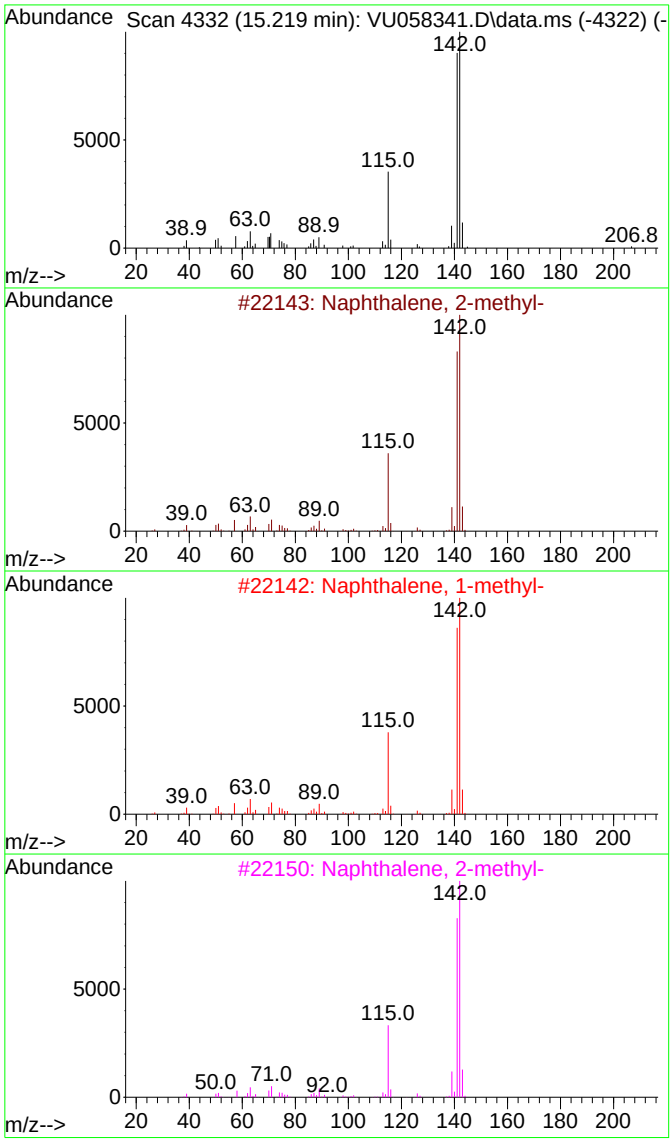
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

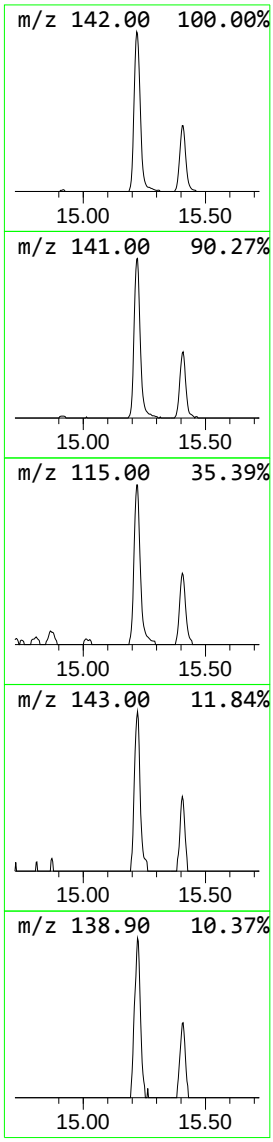
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 Naphthalene, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.219	1.89 ug/L	86526	1,4-Dichlorobenzene-d4	11.807

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCOD5

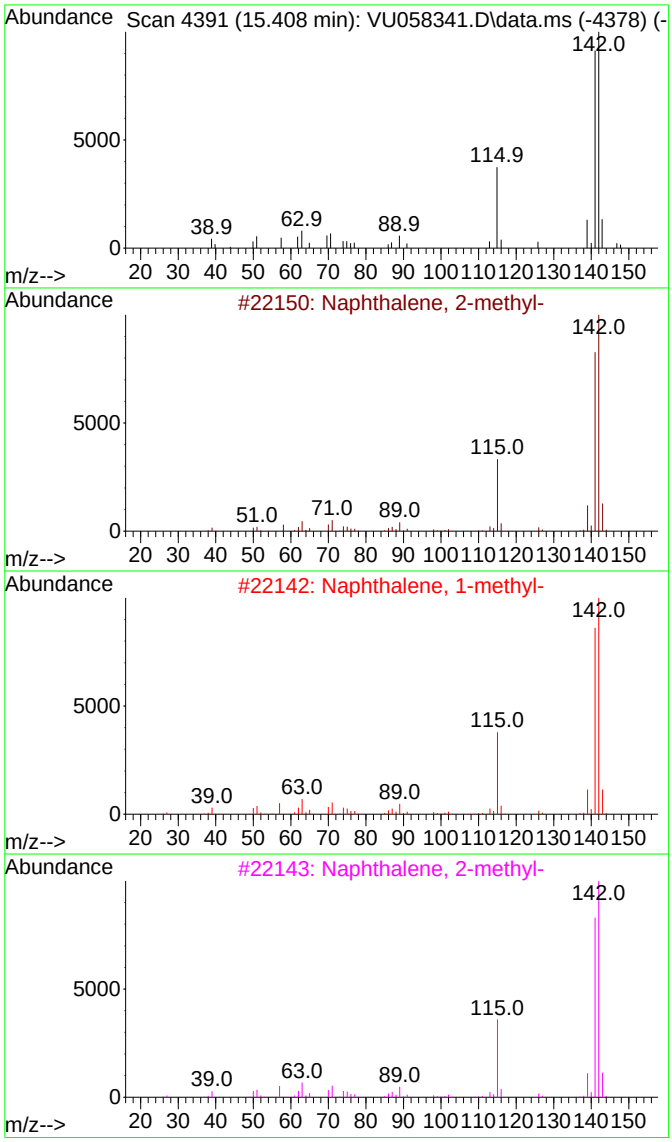
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0

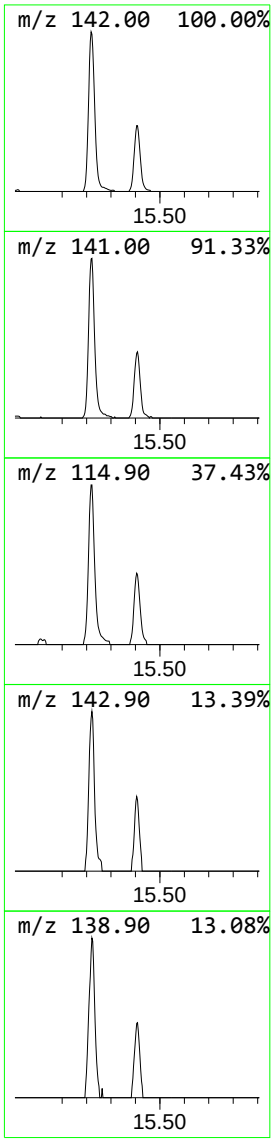
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 Naphthalene, 1-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.408	0.77 ug/L	35399	1,4-Dichlorobenzene-d4	11.807

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040224\
Data File : VU058341.D
Acq On : 02 Apr 2024 16:57
Operator : MD/SY
Sample : P1912-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 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	34.5	ug/L	1549070	1	6.242	224528	5.0
(DEL) Alkane: S...	2.968	1.1	ug/L	48454	1	6.242	224528	5.0
(DEL) Alkane: S...	3.036	11.7	ug/L	526918	1	6.242	224528	5.0
(DEL) Alkane: S...	3.354	32.9	ug/L	1478910	1	6.242	224528	5.0
(DEL) Alkane: S...	4.287	1.2	ug/L	53447	1	6.242	224528	5.0
(DEL) Alkane: S...	4.425	1.3	ug/L	58690	1	6.242	224528	5.0
(DEL) Alkane: C...	4.521	5.8	ug/L	258709	1	6.242	224528	5.0
(DEL) Alkane: S...	5.123	1.5	ug/L	64973	1	6.242	224528	5.0
(DEL) Alkane: S...	5.454	5.2	ug/L	233912	1	6.242	224528	5.0
(DEL) Alkane: C...	5.631	9.0	ug/L	402599	1	6.242	224528	5.0
(DEL) Alkane: C...	5.843	16.7	ug/L	751415	1	6.242	224528	5.0
(DEL) Alkane: C...	5.914	15.0	ug/L	672199	1	6.242	224528	5.0
(DEL) Alkane: C...	5.981	13.9	ug/L	625342	1	6.242	224528	5.0
(DEL) Alkane: C...	6.975	0.9	ug/L	42053	1	6.242	224528	5.0
(DEL) Alkane: C...	7.068	2.0	ug/L	88589	1	6.242	224528	5.0
Cyclohexene, 3-...	7.158	1.7	ug/L	77870	1	6.242	224528	5.0
(DEL) Alkane: C...	7.229	2.4	ug/L	109174	1	6.242	224528	5.0
Cyclobutane, (1...	7.389	4.0	ug/L	180612	1	6.242	224528	5.0
(DEL) Alkane: C...	7.576	2.8	ug/L	126354	1	6.242	224528	5.0
(DEL) Alkane: C...	7.759	0.8	ug/L	35261	1	6.242	224528	5.0
(DEL) Alkane: C...	8.032	2.8	ug/L	134801	2	9.412	238836	5.0
(DEL) Alkane: C...	8.238	3.5	ug/L	168711	2	9.412	238836	5.0
(DEL) Alkane: C...	8.364	2.3	ug/L	110331	2	9.412	238836	5.0
5,5-Dimethyl-1,...	8.405	1.3	ug/L	61390	2	9.412	238836	5.0
(DEL) Alkane: C...	8.804	1.0	ug/L	48580	2	9.412	238836	5.0
(DEL) Alkane: C...	8.862	1.8	ug/L	83385	2	9.412	238836	5.0
(DEL) Alkane: C...	8.920	0.9	ug/L	41446	2	9.412	238836	5.0
cis-Bicyclo[3.3...	9.328	1.1	ug/L	51502	2	9.412	238836	5.0
Pentalene, octa...	9.502	1.7	ug/L	79492	2	9.412	238836	5.0
unknown-01	10.267	1.0	ug/L	47528	2	9.412	238836	5.0
Benzene, propyl-	10.900	1.5	ug/L	68905	3	11.807	228946	5.0
Benzene, 1-ethy...	11.020	1.7	ug/L	79689	3	11.807	228946	5.0
Benzene, 1-ethy...	11.286	2.6	ug/L	118311	3	11.807	228946	5.0
Benzeneacetalde...	11.637	1.4	ug/L	62067	3	11.807	228946	5.0
Indane	12.090	18.1	ug/L	828961	3	11.807	228946	5.0
Benzene, 1,2-di...	12.296	1.4	ug/L	62043	3	11.807	228946	5.0
Benzene, 2-ethy...	12.460	1.8	ug/L	82856	3	11.807	228946	5.0
Benzene, 2-ethy...	12.566	13.6	ug/L	622248	3	11.807	228946	5.0
Benzene, (2-met...	12.605	3.2	ug/L	145475	3	11.807	228946	5.0
Benzene, 1-ethe...	12.675	17.7	ug/L	812179	3	11.807	228946	5.0
Benzene, 1,2,3,...	12.968	7.9	ug/L	362948	3	11.807	228946	5.0
Benzene, 1,2,4,...	13.019	14.0	ug/L	641040	3	11.807	228946	5.0
1H-Indene, 2,3-...	13.106	1.3	ug/L	57427	3	11.807	228946	5.0
Benzene, 2-ethe...	13.286	9.7	ug/L	444521	3	11.807	228946	5.0
1H-Indene, 2,3-...	13.450	16.8	ug/L	769481	3	11.807	228946	5.0
2-Methylindene	13.515	1.0	ug/L	44057	3	11.807	228946	5.0
Naphthalene, 1,...	13.618	3.0	ug/L	139435	3	11.807	228946	5.0
Benzene, (3-met...	13.778	2.9	ug/L	134258	3	11.807	228946	5.0
Benzene, (1-met...	13.833	3.3	ug/L	151717	3	11.807	228946	5.0
1H-Indene, 2,3-...	13.907	1.5	ug/L	67704	3	11.807	228946	5.0
Benzene, 1-meth...	13.936	3.5	ug/L	158374	3	11.807	228946	5.0
Azulene	14.081	5.0	ug/L	226463	3	11.807	228946	5.0

Naphthalene, 2-...	15.219	1.9	ug/L	86526	3	11.807	228946	5.0
Naphthalene, 1-...	15.408	0.8	ug/L	35399	3	11.807	228946	5.0

Instrument :
MSVOA_U
ClientSampleId :
DCOD5