LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

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\SFAMUTR071824WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU060110.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.357	15	21	32	rBV4	8978	12959	2.20%	0.180%
2	1.470	49	56	66	rVB	51581	54101	9.18%	0.753%
3	1.592	84	94	110	rBV3	87766	145437	24.67%	2.025%
4	1.685	116	123	127	rBV	11392	13541	2.30%	0.189%
5	1.714	127	132	146	rVB	19121	26066	4.42%	0.363%
6	1.907	184	192	211	rVB	43754	63560	10.78%	0.885%
7	2.148	258	267	281	rVB5	3520	6695	1.14%	0.093%
8	2.399	337	345	365	rVB3	5764	11951	2.03%	0.166%
9	2.560	383	395	408	rBV	71852	116130	19.70%	1.617%
10	2.637	408	419	444	rVV	33061	76901	13.05%	1.071%
11	2.788	454	466	484	rBV2	6353	15354	2.60%	0.214%
12	3.042	534	545	556	rVB3	3409	6323	1.07%	0.088%
13	3.579	699	712	726	rBV3	9159	21543	3.65%	0.300%
14	3.865	786	801	815	rBV3	3268	7203	1.22%	0.100%
15	4.627	1026	1038	1059	rBV2	61809	205140	34.80%	2.856%
16	5.055	1155	1171	1195	rBV	81468	188501	31.98%	2.625%
17	5.721	1358	1378	1418	rBV2	153742	432900	73.44%	6.027%
18	6.245	1529	1541	1565	rBV	133120	256065	43.44%	3.565%
19	6.541	1621	1633	1645	rBV6	6727	13195	2.24%	0.184%
20	6.685	1666	1678	1697	rBV	97924	192430	32.65%	2.679%
21	7.563	1941	1951	1974	rBV3	24109	43676	7.41%	0.608%
22	7.894	2041	2054	2068	rBV	164355	286110	48.54%	3.984%
23	7.968	2068	2077	2093	rVB	40614	71934	12.20%	1.002%
24	8.180	2128	2143	2155	rBV3	14976	26603	4.51%	0.370%
25	8.630	2272	2283	2316	rBV2	205566	427797	72.58%	5.956%
26	8.798	2326	2335	2349	rVB2	3764	7991	1.36%	0.111%
27	8.920	2361	2373	2381	rBV5	5804	10016	1.70%	0.139%
28	9.206	2453	2462	2475	rVB	27388	42928	7.28%	0.598%
29	9.415	2514	2527	2530	rBV	216637	325540	55.23%	4.533%
30	9.441	2531	2535	2551	rVB	268953	420453	71.33%	5.854%
31	9.566	2564	2574	2583	rBV4	8597	16962	2.88%	0.236%
32	9.692	2598	2613	2625	rBV2	30265	64581	10.96%	0.899%
33	9.888	2661	2674	2684	rBV6	6116	11398	1.93%	0.159%
34	10.026	2705	2717	2726	rBV8	10452	27794	4.72%	0.387%
35	10.100	2734	2740	2758	rVB2	13509	27090	4.60%	0.377%
36	10.232	2769	2781	2784	rBV8	8092	13819	2.34%	0.192%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

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\SFAMUTR071824WMA.M
Title : TRACE VOA SFAM1.0

37	10.267	2784	2792	2807	rVV3	28312	50242	8.52%	0.700%
38	10.364	2809	2822	2839	rVV3	14504	44680	7.58%	0.622%
39	10.479	2853	2858	2866	rVB2	8839	10393	1.76%	0.145%
40	10.528	2866	2873	2875	rBV4	7519	8649	1.47%	0.120%
41	10.691	2914	2924	2933	rBV5	30661	55411	9.40%	0.772%
42	10.749	2933	2942	2953	rVV2	95392	169389	28.74%	2.358%
43	10.810	2954	2961	2972	rVB6	30345	52433	8.90%	0.730%
44	10.897	2978	2988	2995	rBV7	7093	13533	2.30%	0.188%
45	10.942	2995	3002	3010	rVV5	11348	16982	2.88%	0.236%
46	11.019	3013	3026	3035	rVV6	21195	54952	9.32%	0.765%
47	11.087	3041	3047	3054	rVB2	19041	25295	4.29%	0.352%
48	11.180	3067	3076	3086	rVB9	14484	24852	4.22%	0.346%
49	11.296	3100	3112	3127	rVB7	46467	96490	16.37%	1.343%
50	11.380	3132	3138	3142	rBV6	7973	11021	1.87%	0.153%
51	11.415	3143	3149	3155	rVV	19563	25732	4.37%	0.358%
52	11.463	3156	3164	3177	rVV3	38321	70299	11.93%	0.979%
53	11.598	3190	3206	3212	rBV6	30694	63322	10.74%	0.882%
54	11.637	3213	3218	3229	rVB	31393	50048	8.49%	0.697%
55	11.807	3258	3271	3285	rBV	220652	410183	69.59%	5.711%
56	11.891	3291	3297	3305	rVB	23764	31937	5.42%	0.445%
57	12.093	3348	3360	3370	rBV3	56287	100867	17.11%	1.404%
58	12.190	3378	3390	3408	rVB2	268504	589452	100.00%	8.207%
59	12.299	3417	3424	3435	rVB6	13516	23669	4.02%	0.330%
60	12.380	3441	3449	3459	rVB3	22854	44271	7.51%	0.616%
61	12.624	3514	3525	3534	rBV7	32387	72448	12.29%	1.009%
62	12.679	3534	3542	3559	rVV4	44071	95724	16.24%	1.333%
63	12.756	3560	3566	3578	rVB2	50032	82505	14.00%	1.149%
64	12.859	3579	3598	3615	rVB	136450	275970	46.82%	3.842%
65	12.942	3615	3624	3628	rBV3	22359	36106	6.13%	0.503%
66	13.113	3666	3677	3688	rBV3	49418	89596	15.20%	1.247%
67	13.248	3712	3719	3727	rVB3	23205	33825	5.74%	0.471%
68	13.322	3736	3742	3753	rVB2	20884	33192	5.63%	0.462%
69	13.392	3756	3764	3772	rVV6	14480	27135	4.60%	0.378%
70	13.447	3773	3781	3796	rVB3	51803	95052	16.13%	1.323%
71	13.521	3796	3804	3813	rBV6	10490	16469	2.79%	0.229%
72	13.621	3820	3835	3852	rVB6	17094	47619	8.08%	0.663%
73	13.730	3862	3869	3876	rBV9	7757	12321	2.09%	0.172%
74	13.772	3878	3882	3891	rVB6	9556	14633	2.48%	0.204%
75	13.833	3891	3901	3910	rBV8	23474	45413	7.70%	0.632%
76	13.907	3917	3924	3931	rVB	24171	30680	5.20%	0.427%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
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Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

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\SFAMUTR071824WMA.M
Title : TRACE VOA SFAM1.0

77	14.058	3963	3971	3979	rBV3	12197	22955	3.89%	0.320%
78	14.113	3979	3988	3999	rVB7	14520	26504	4.50%	0.369%
79	14.187	4007	4011	4026	rVB7	7013	16392	2.78%	0.228%
80	14.283	4033	4041	4053	rBV5	15411	27034	4.59%	0.376%
81	14.344	4054	4060	4070	rVB10	7350	11790	2.00%	0.164%
82	14.479	4096	4102	4108	rBV2	10889	14100	2.39%	0.196%
83	14.666	4151	4160	4174	rBV9	17934	44889	7.62%	0.625%
84	14.723	4174	4178	4187	rVV9	6604	8803	1.49%	0.123%
85	14.797	4187	4201	4216	rVV6	14511	40977	6.95%	0.571%
86	14.875	4217	4225	4236	rVB6	15968	28007	4.75%	0.390%
87	14.932	4236	4243	4251	rBV6	3861	6600	1.12%	0.092%
88	15.013	4253	4268	4280	rBV6	11019	31672	5.37%	0.441%
89	15.222	4315	4333	4343	rBV	30680	64016	10.86%	0.891%
90	15.408	4378	4391	4401	rVB	36824	65791	11.16%	0.916%
91	15.926	4537	4552	4562	rVB3	6300	11778	2.00%	0.164%
92	16.270	4650	4659	4666	rBV3	3559	6240	1.06%	0.087%
93	16.412	4691	4703	4711	rBV5	6257	11135	1.89%	0.155%

Sum of corrected areas: 7182160

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
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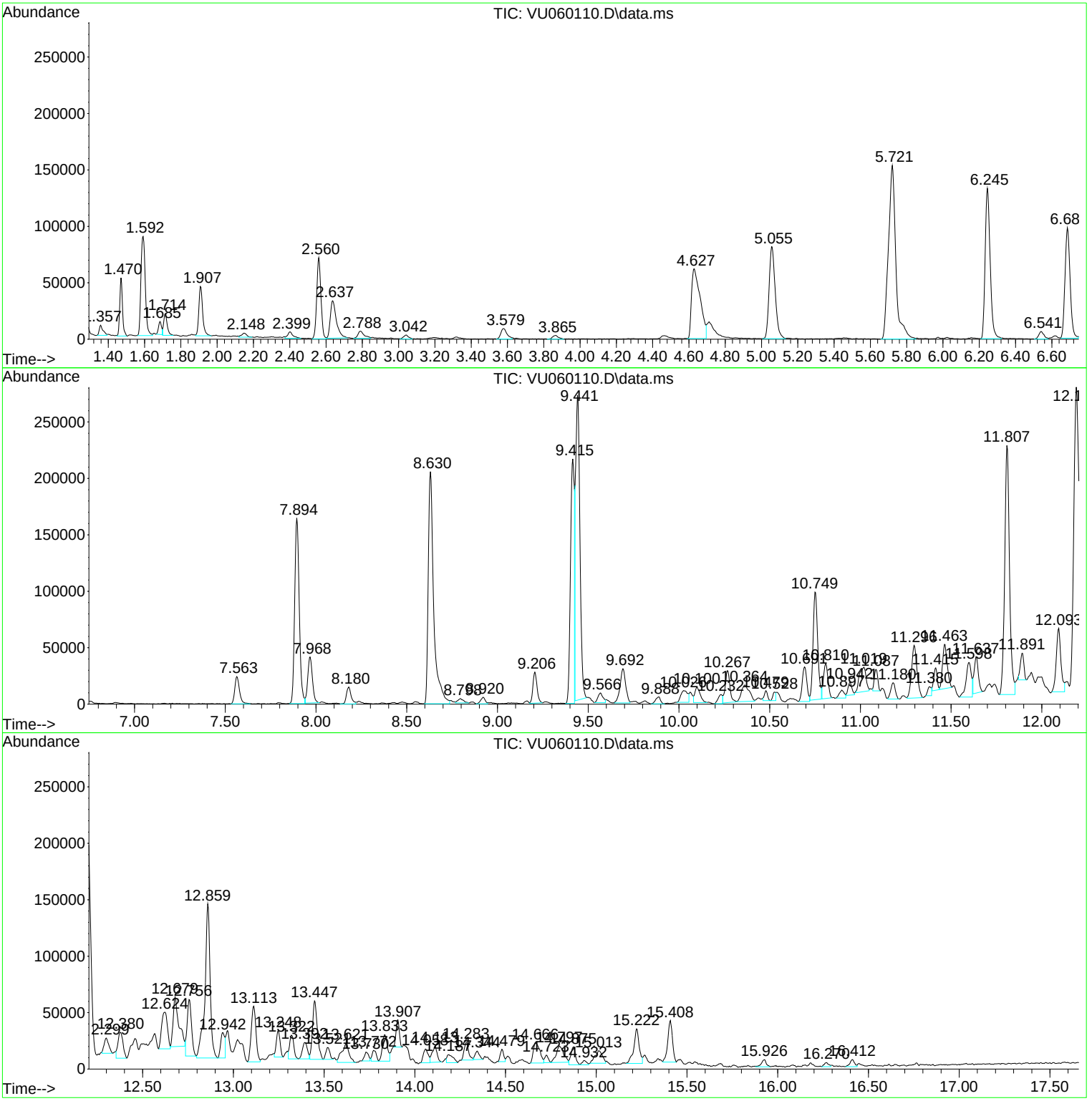
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.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\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

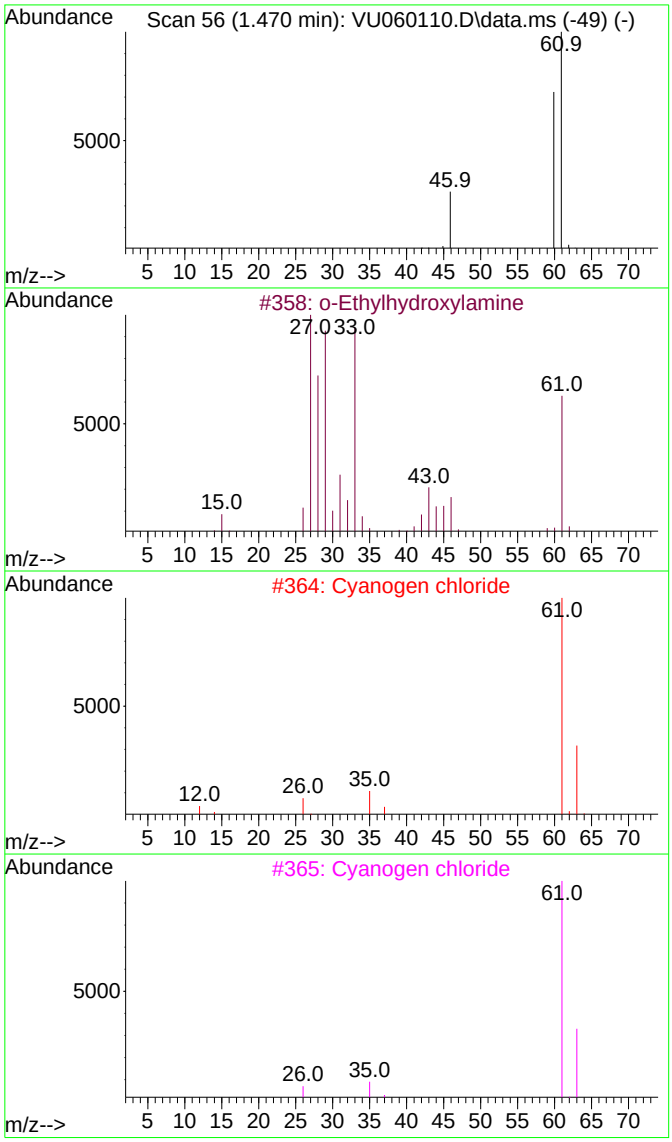
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

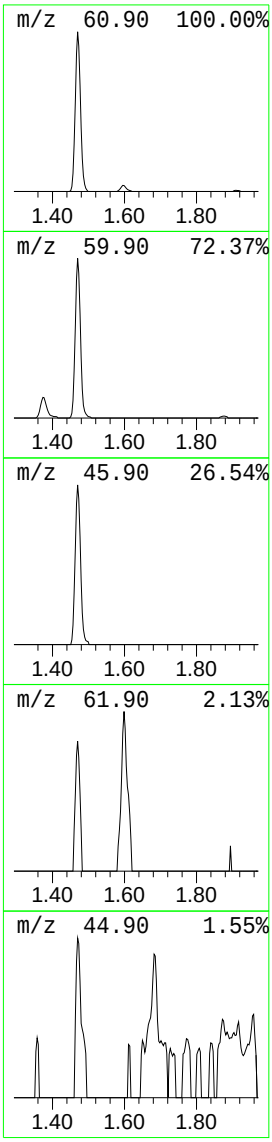
****

Peak Number 1 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.470	1.06 ug/L	54101	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Ethylhydroxylamine	61	C2H7NO	000624-86-2	4
2	Cyanogen chloride	61	CClN	000506-77-4	4
3	Cyanogen chloride	61	CClN	000506-77-4	4
4	Carbonyl sulfide	60	COS	000463-58-1	3
5	Urea	60	CH4N2O	000057-13-6	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

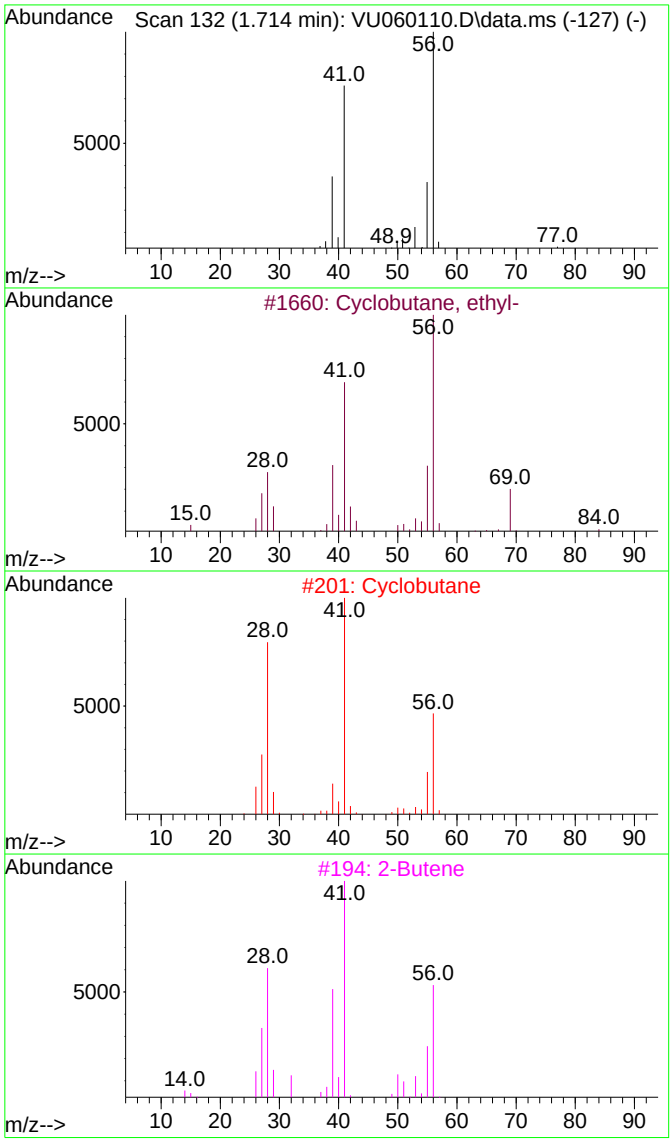
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

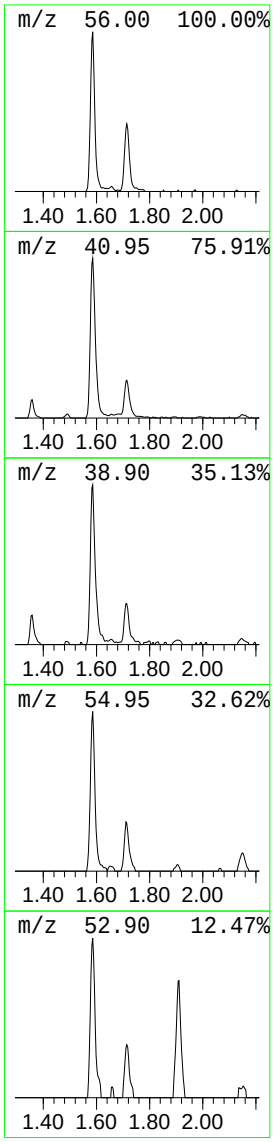
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic1.714 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.714	0.51 ug/L	26066	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, ethyl-	84	C6H12	004806-61-5	78
2	Cyclobutane	56	C4H8	000287-23-0	72
3	2-Butene	56	C4H8	000107-01-7	64
4	2-Butene, (Z)-	56	C4H8	000590-18-1	64
5	Cyclobutane	56	C4H8	000287-23-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

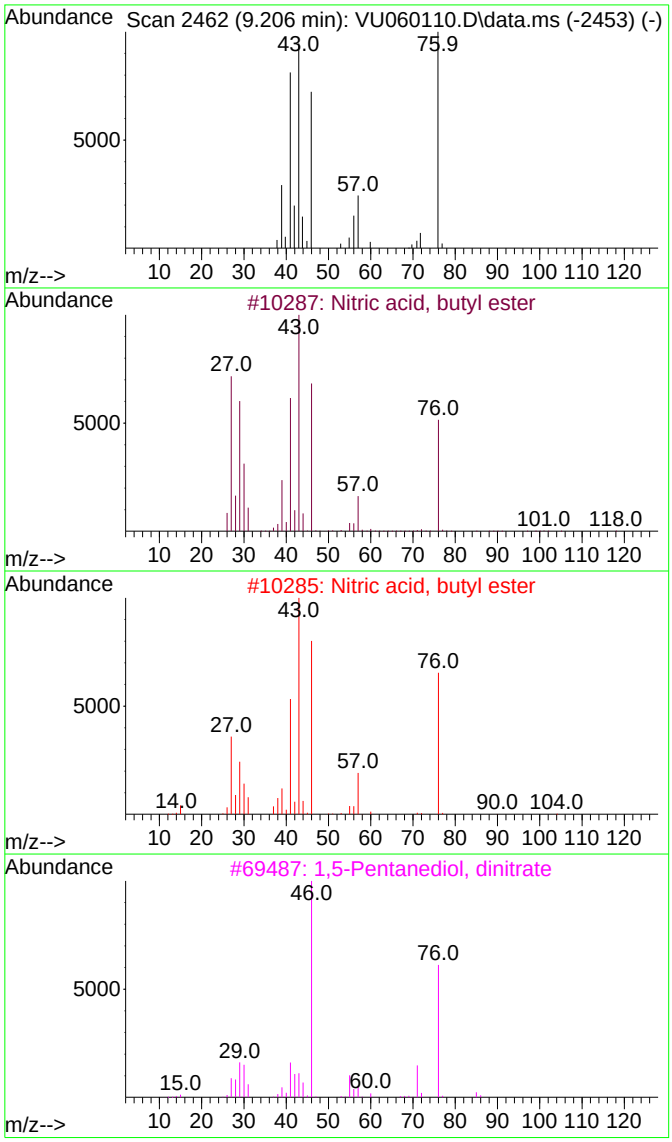
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

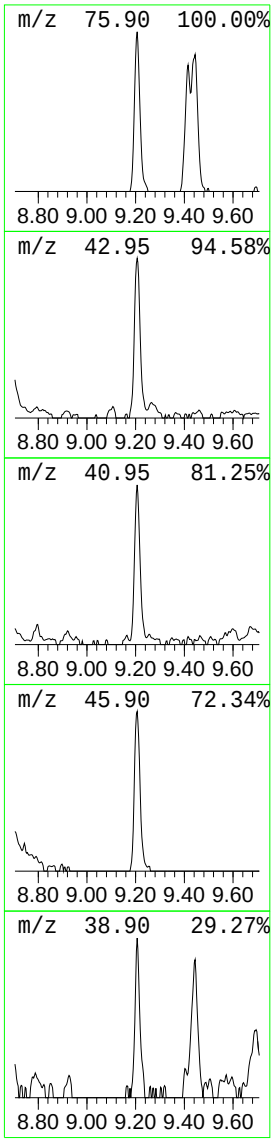
****

Peak Number 4 Nitric acid, butyl ester Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.206	0.66 ug/L	42928	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitric acid, butyl ester	119	C4H9NO3	000928-45-0	64
2	Nitric acid, butyl ester	119	C4H9NO3	000928-45-0	64
3	1,5-Pentanediol, dinitrate	194	C5H10N2O6	003457-92-9	39
4	2-Propanethiol	76	C3H8S	000075-33-2	9
5	Isopropyl phosphine	76	C3H9P	004538-29-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

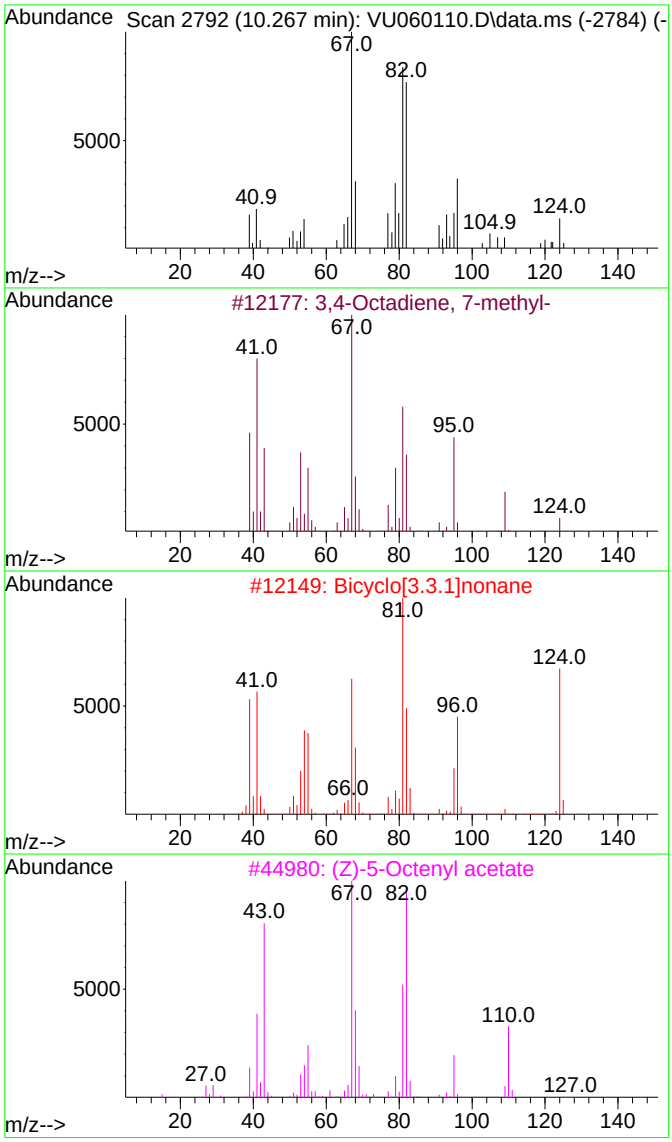
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

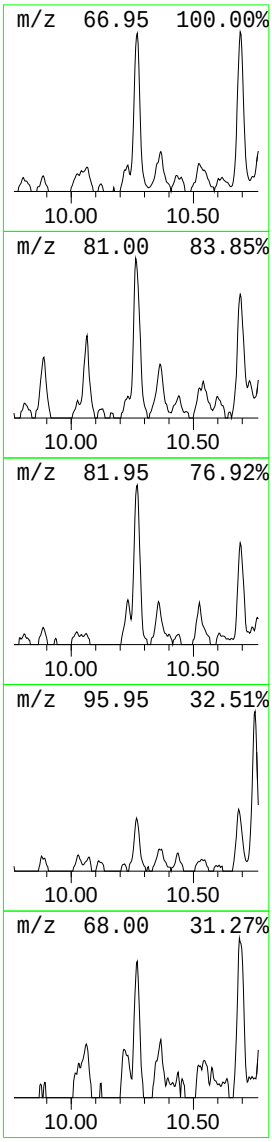
****

Peak Number 5 3,4-Octadiene, 7-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.267	0.77 ug/L	50242	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	53
2	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	50
3	(Z)-5-Octenyl acetate	170	C10H18O2	071978-00-2	47
4	3-Cyclopentyl-1-propanol	128	C8H16O	000767-05-5	47
5	1,4-Hexadiene	82	C6H10	000592-45-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

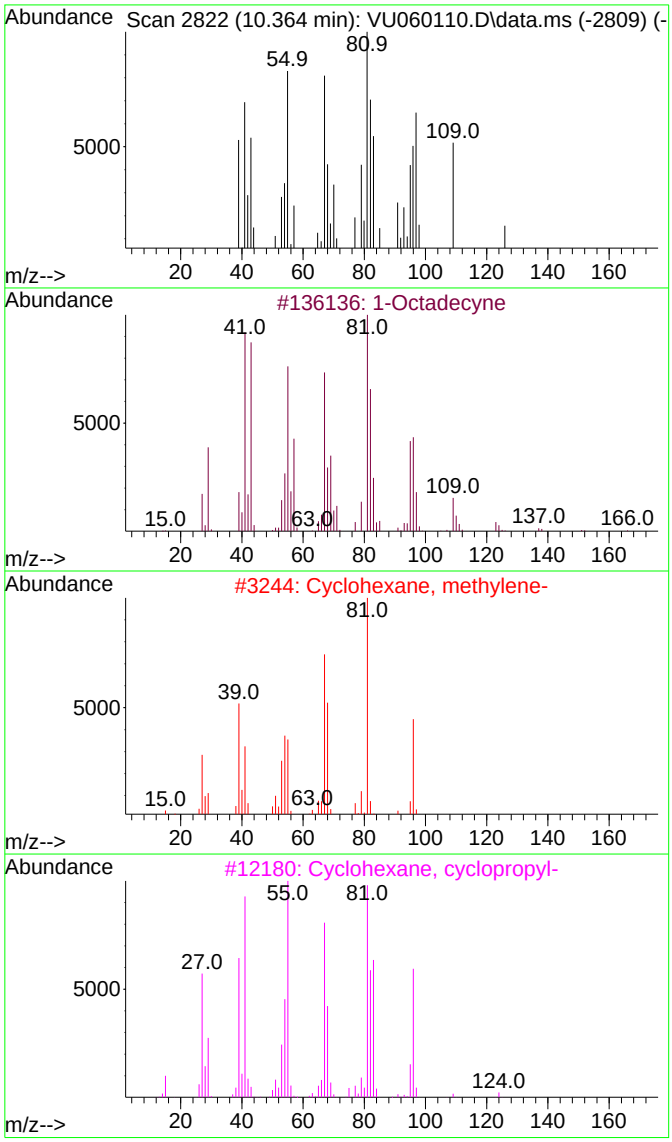
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

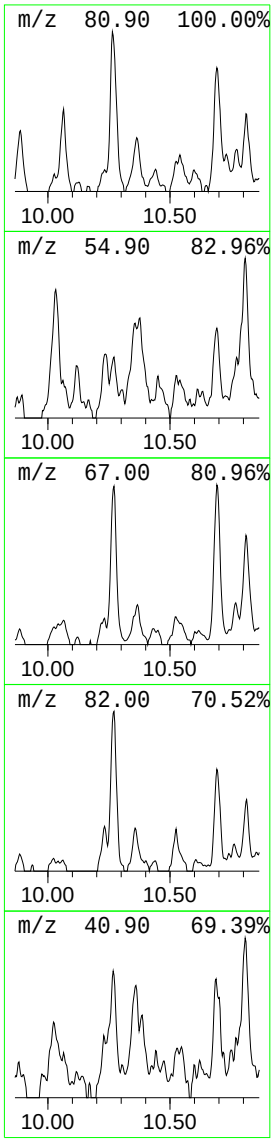
****

Peak Number 6 1-Octadecyne Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.364	0.69 ug/L	44680	Chlorobenzene-d5	9.412

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecyne	250	C18H34	000629-89-0	58
2	Cyclohexane, methylene-	96	C7H12	001192-37-6	55
3	Cyclohexane, cyclopropyl-	124	C9H16	032669-86-6	53
4	1-Pentadecyne	208	C15H28	000765-13-9	50
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

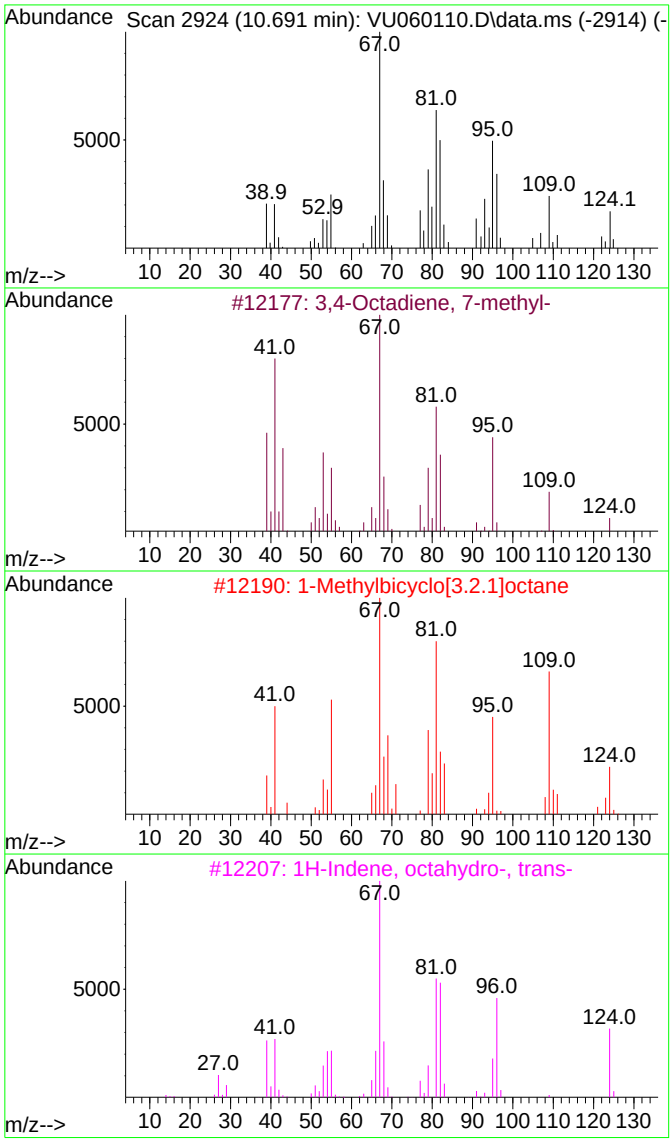
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

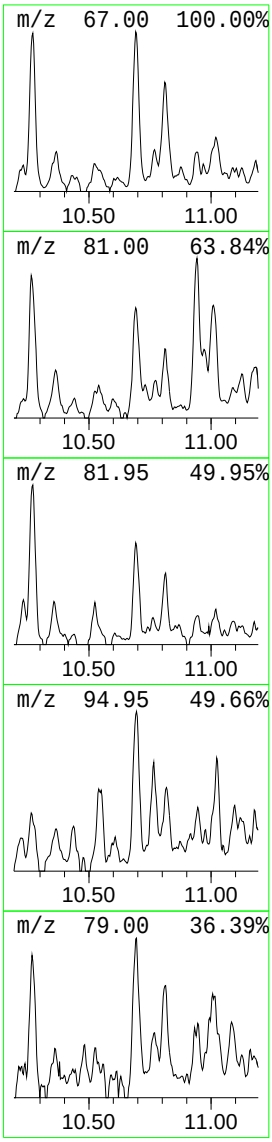
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1-Methylbicyclo[3.2.1]octane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.692	0.68 ug/L	55411	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	76
2	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	70
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	53
4	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	49
5	4,5-Nonadiene	124	C9H16	000821-74-9	49





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Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

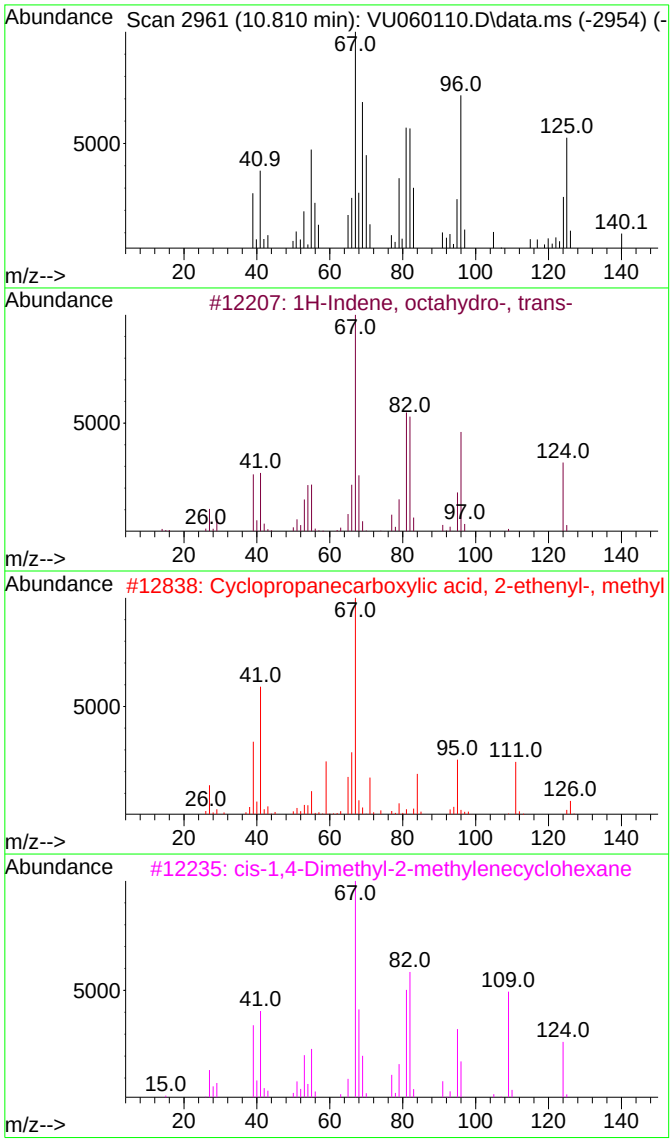
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

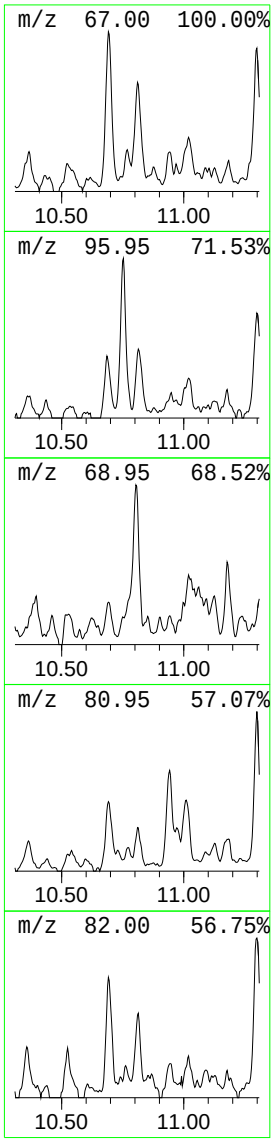
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, octahydro-, trans- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.810	0.64 ug/L	52433	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	52
2	Cyclopropanecarboxylic acid, 2-e...	126	C7H10O2	014027-56-6	43
3	cis-1,4-Dimethyl-2-methylenecycl...	124	C9H16	019781-46-5	38
4	Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	30
5	2-Cyclopenten-1-one, 2-methyl-	96	C6H8O	001120-73-6	25





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Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

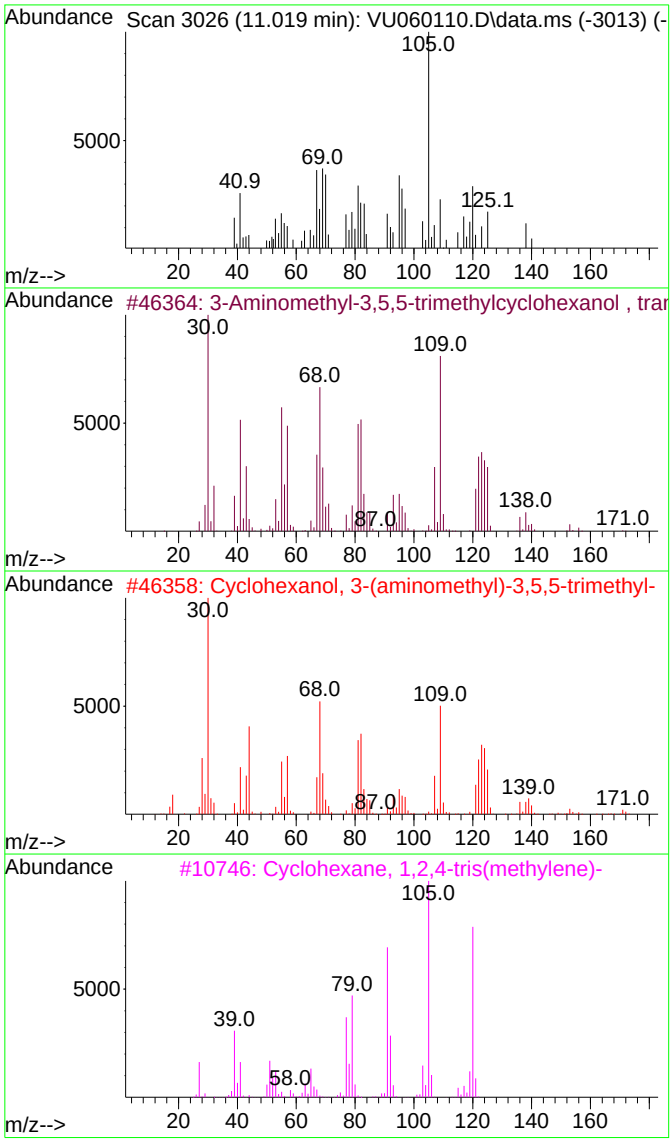
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

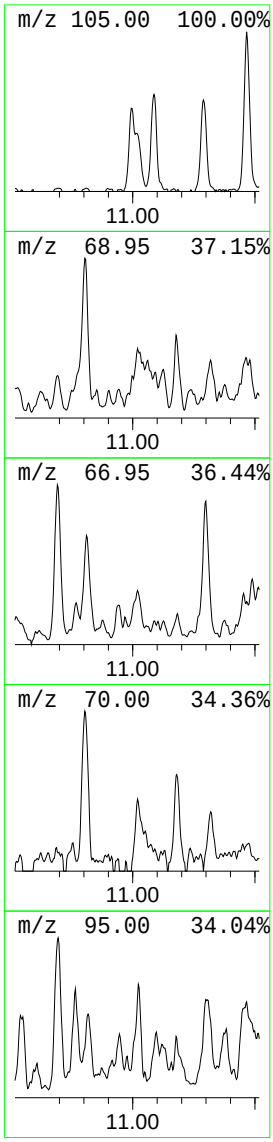
****

Peak Number 9 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.019	0.67 ug/L	54952	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Aminomethyl-3,5,5-trimethylcyc...	171	C10H21NO	130343-31-6	16
2	Cyclohexanol, 3-(aminomethyl)-3,...	171	C10H21NO	015647-11-7	12
3	Cyclohexane, 1,2,4-tris(methylene)-	120	C9H12	014296-81-2	11
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	10
5	2,4-Nonadiyne	120	C9H12	063621-15-8	10





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Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

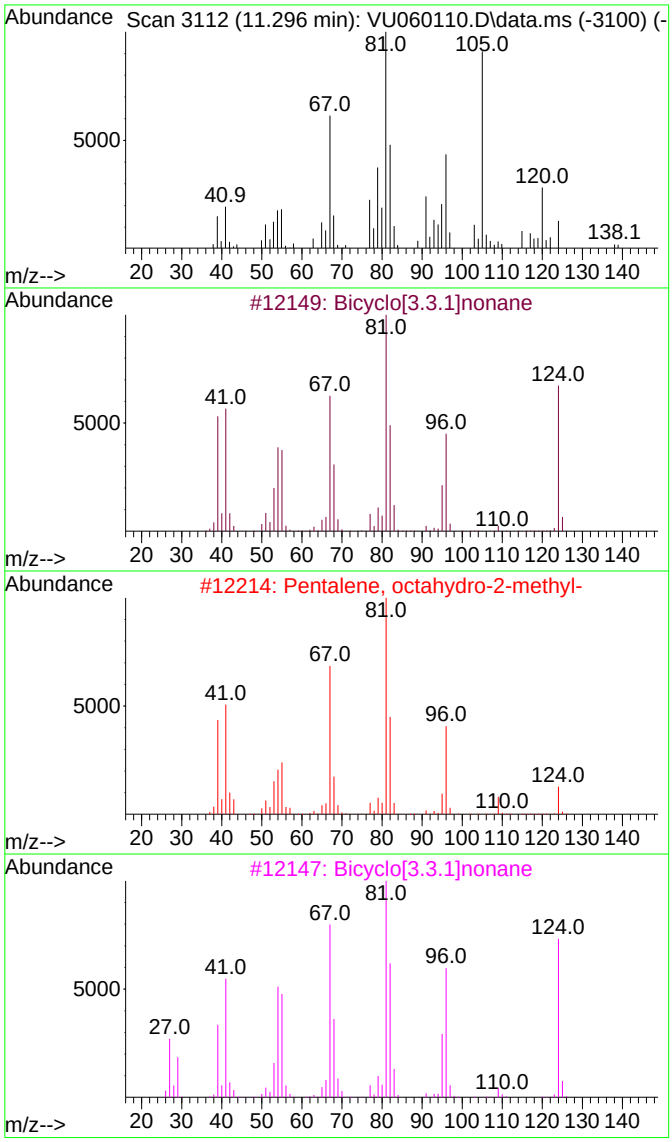
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

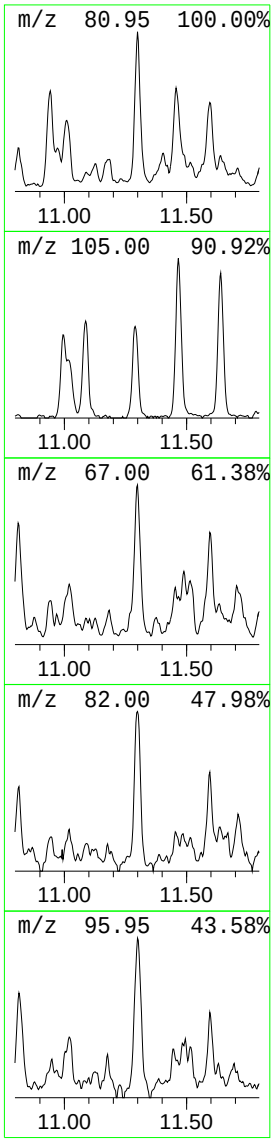
****

Peak Number 10 Bicyclo[3.3.1]nonane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.296	1.18 ug/L	96490	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	81
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	76
3	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	74
4	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	50
5	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

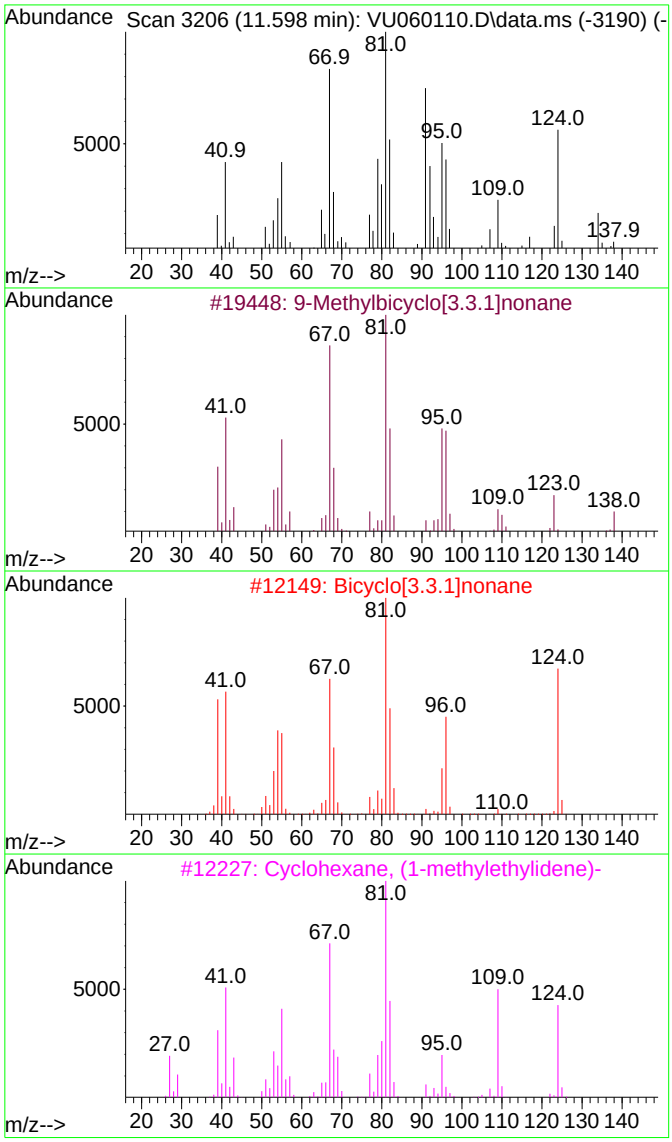
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

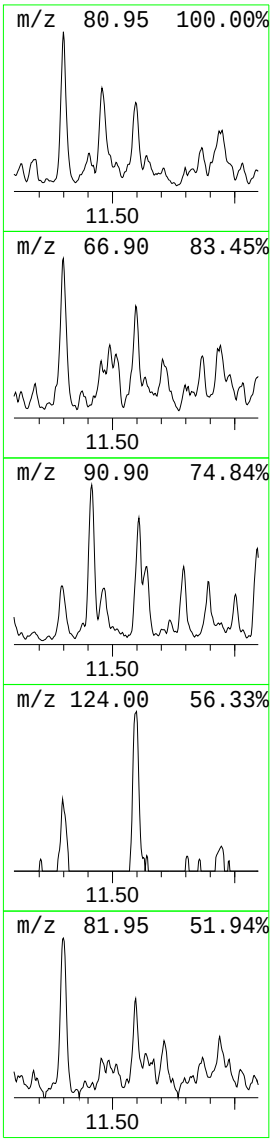
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 9-Methylbicyclo[3.3.1]nonane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.598	0.77 ug/L	63322	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	93
2	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	60
3	Cyclohexane, (1-methylethylidene)-	124	C9H16	005749-72-4	52
4	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	50
5	2-Nonyne	124	C9H16	019447-29-1	49





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Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

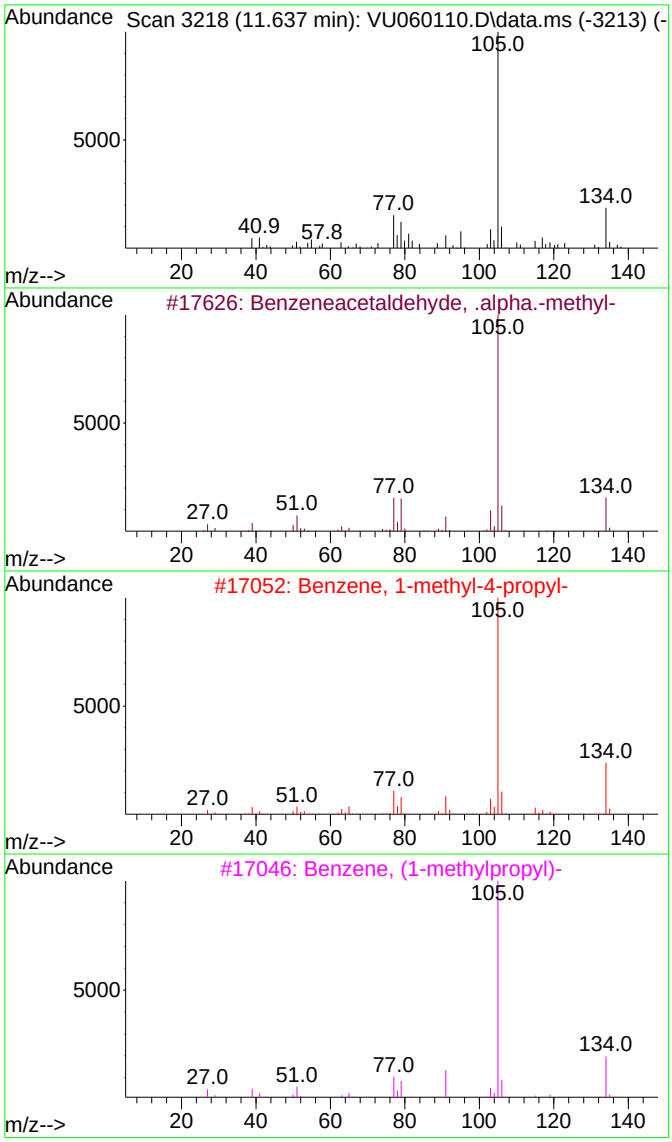
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

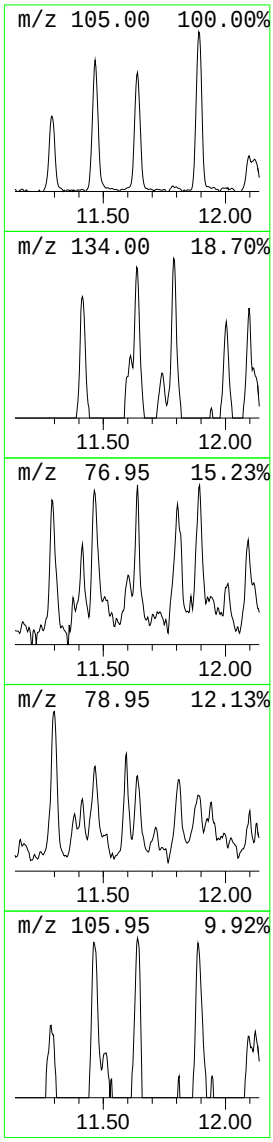
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzeneacetaldehyde, .alpha... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.637	0.61 ug/L	50048	1,4-Dichlorobenzene-d4	11.807

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	83
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

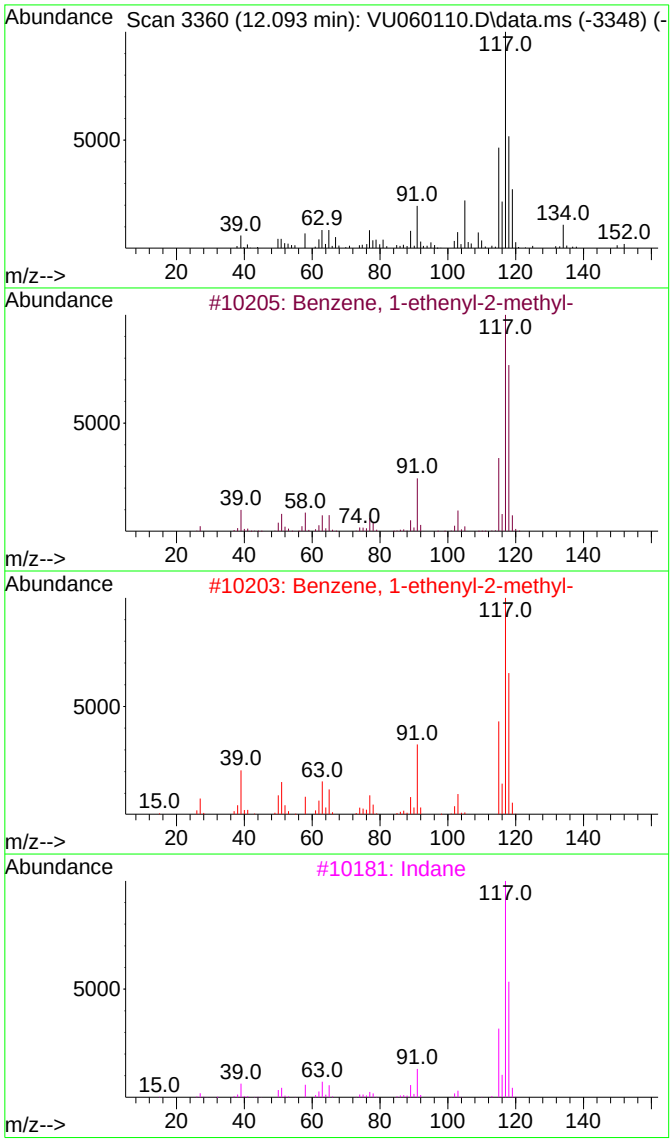
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

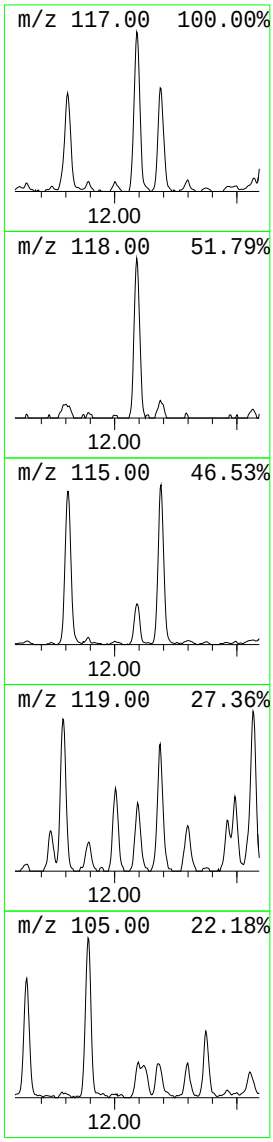
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethenyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.093	1.23 ug/L	100867	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55
3	Indane	118	C9H10	000496-11-7	55
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	50
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

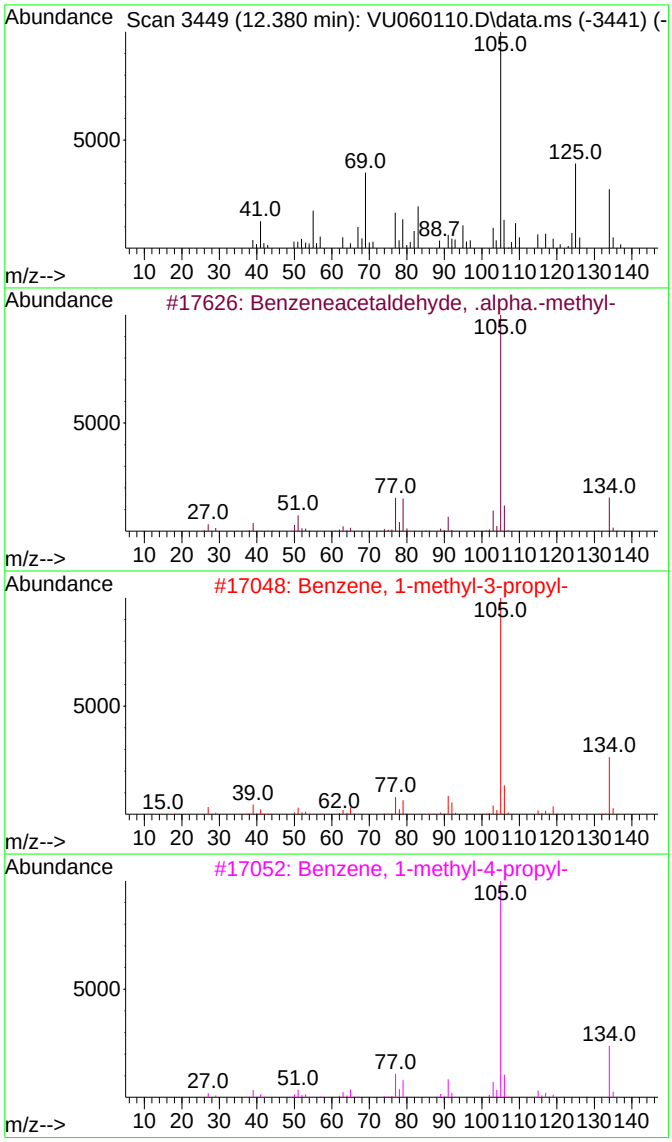
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

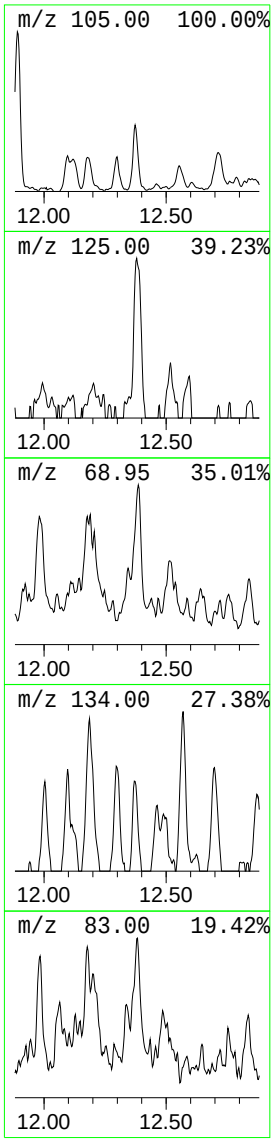
****

Peak Number 14 unknown-03 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	0.54 ug/L	44271	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	42
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	30
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	30
4	2-Indanol	134	C9H10O	004254-29-9	30
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

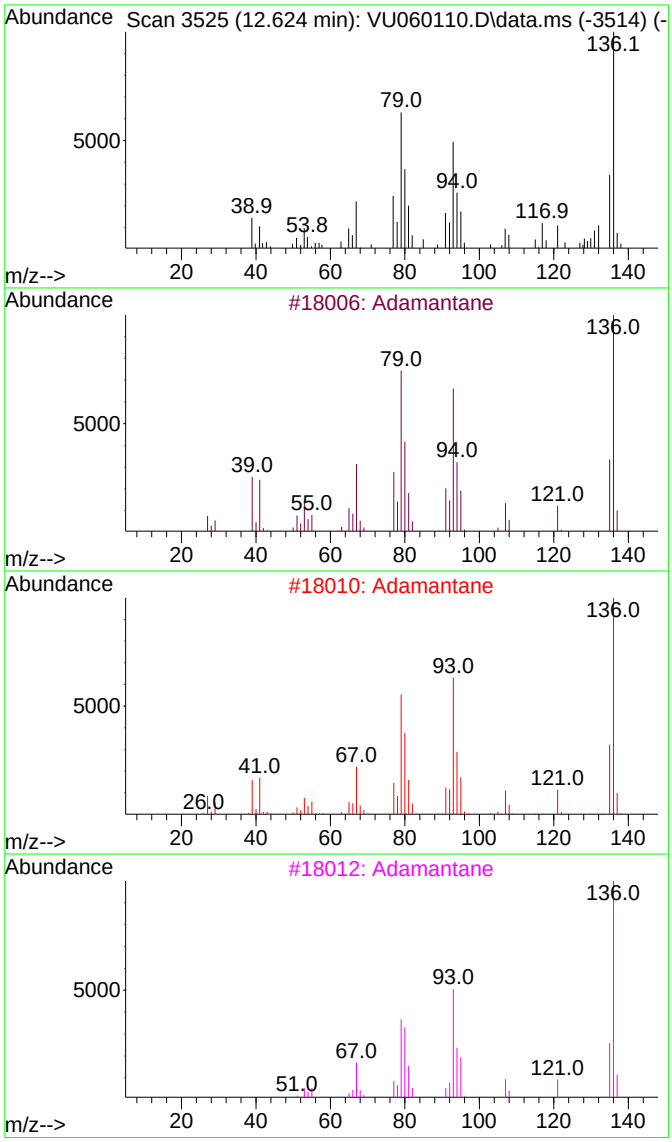
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

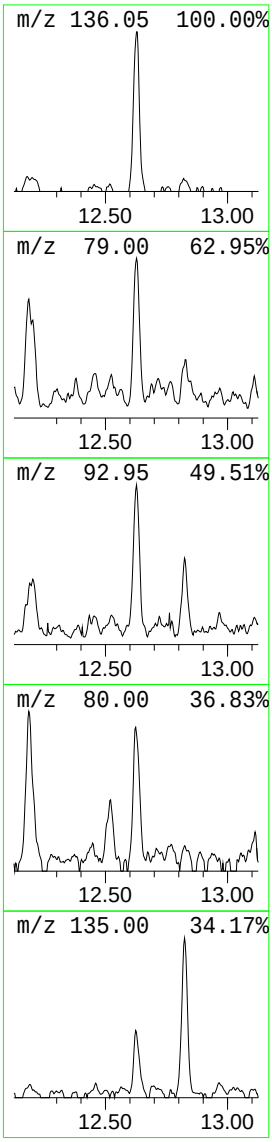
****

Peak Number 15 Adamantane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.624	0.88 ug/L	72448	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	98
2	Adamantane	136	C10H16	000281-23-2	97
3	Adamantane	136	C10H16	000281-23-2	93
4	Adamantane	136	C10H16	000281-23-2	93
5	Adamantane	136	C10H16	000281-23-2	93





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Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

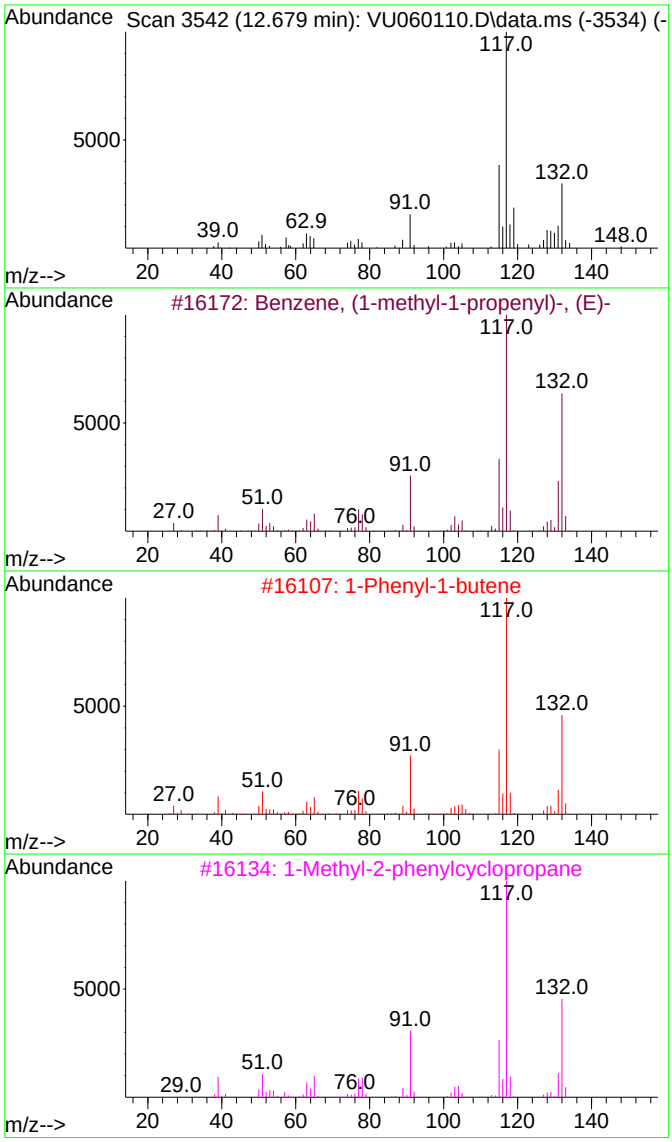
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

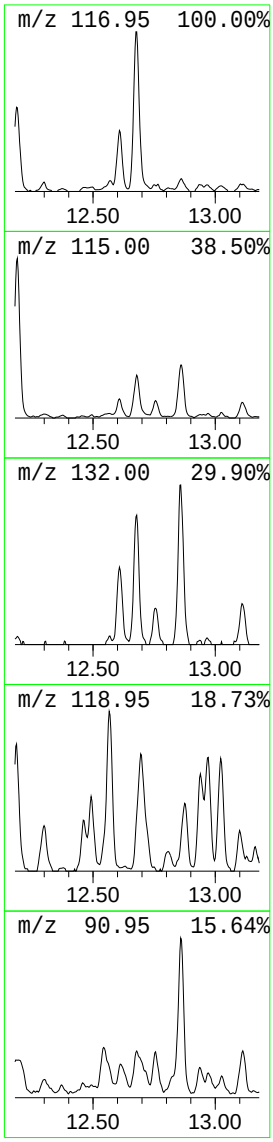
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, (1-methyl-1-propen... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.679	1.17 ug/L	95724	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	86
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





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Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

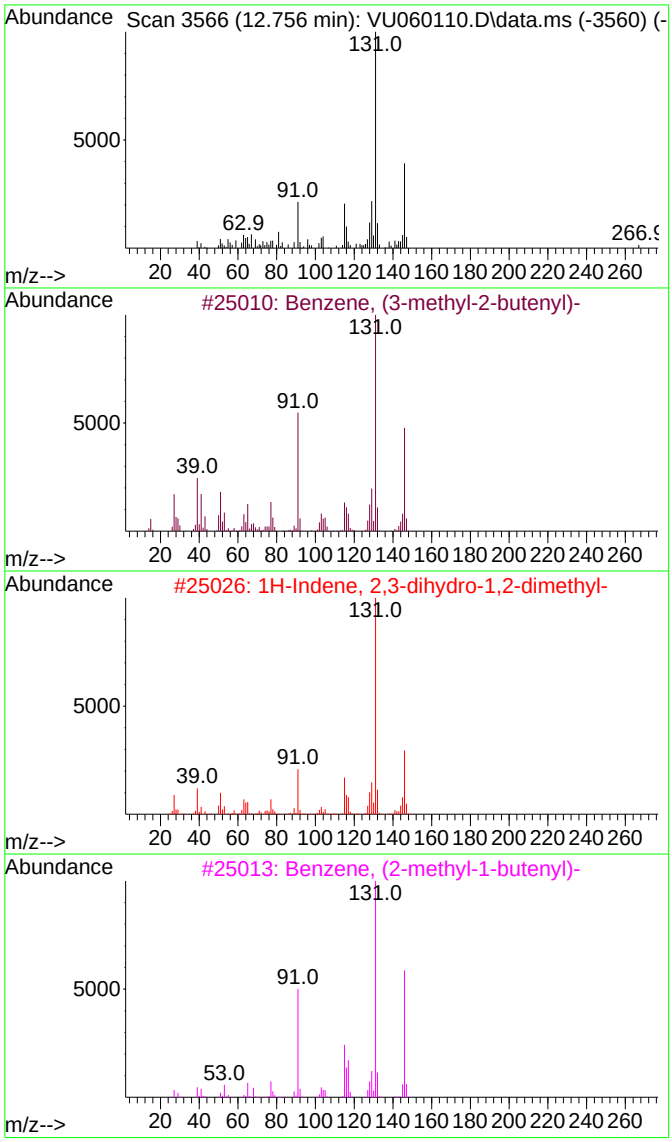
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

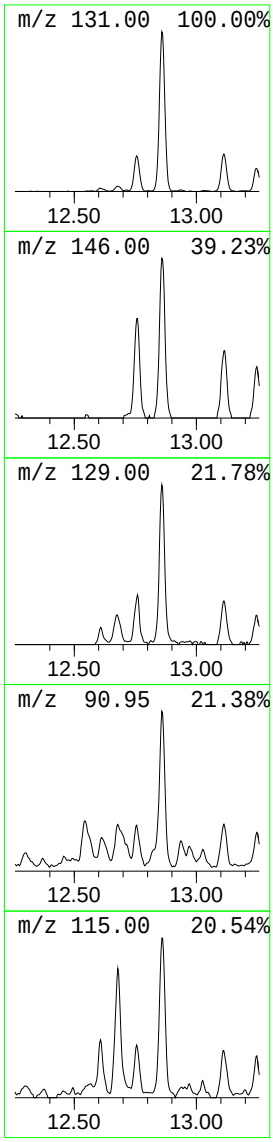
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, (3-methyl-2-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.756	1.01 ug/L	82505	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	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

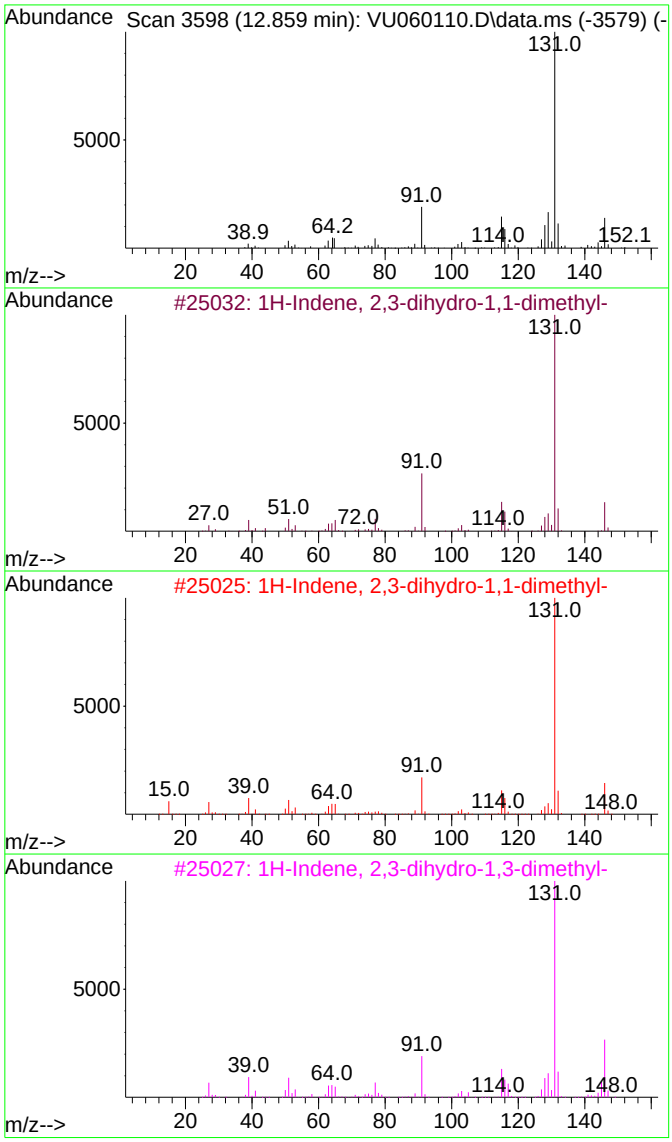
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

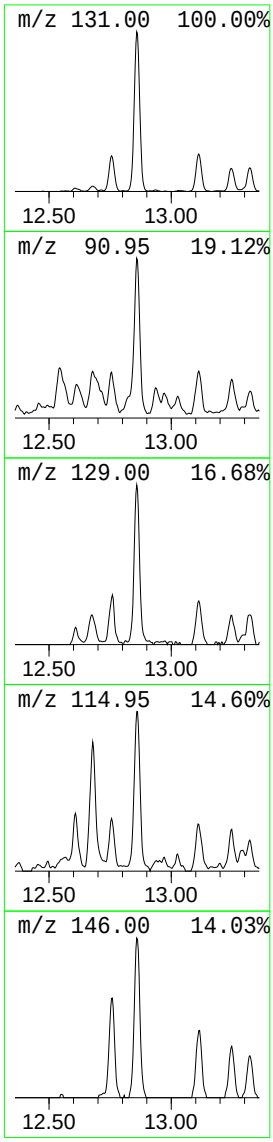
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	3.36 ug/L	275970	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	95
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91





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Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

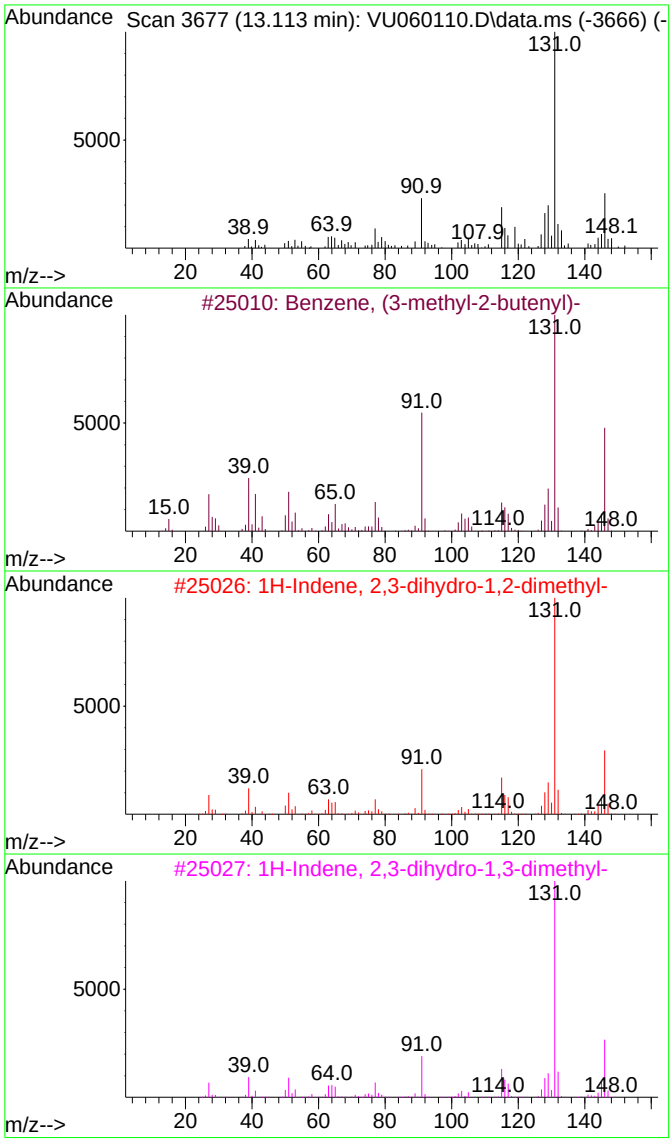
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

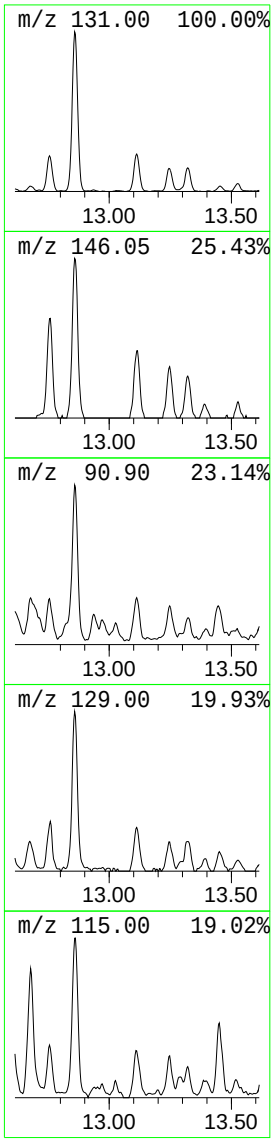
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.113	1.09 ug/L	89596	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	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

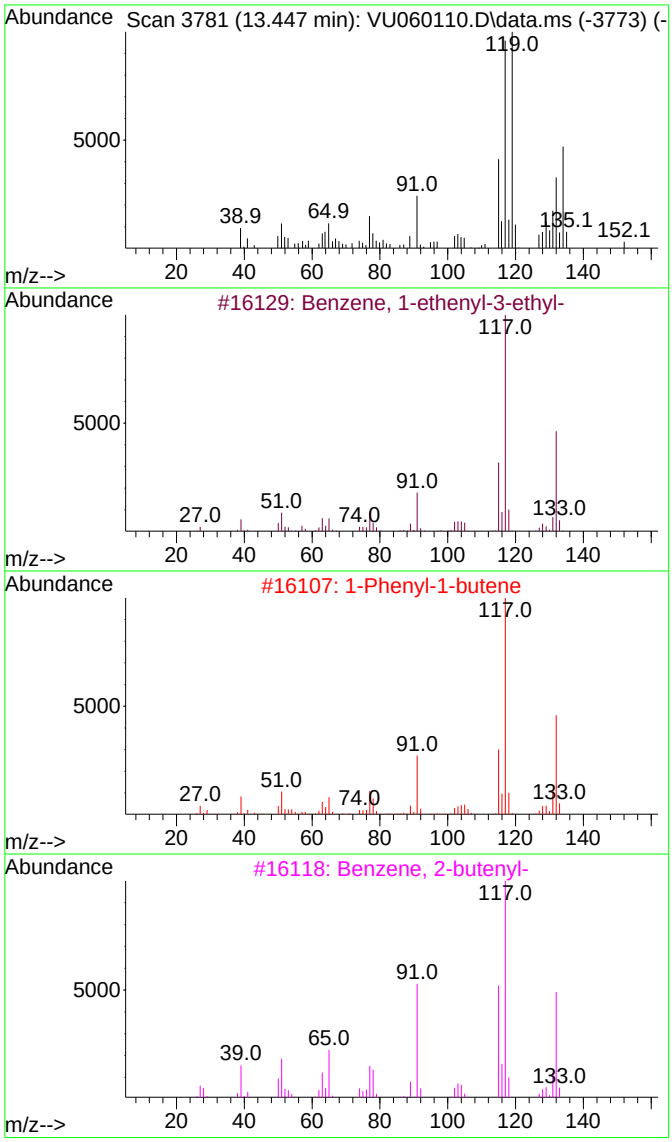
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

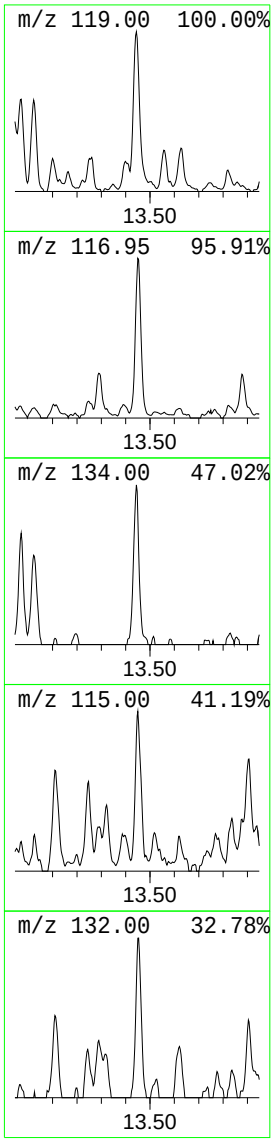
****

Peak Number 20 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.447	1.16 ug/L	95052	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	89
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

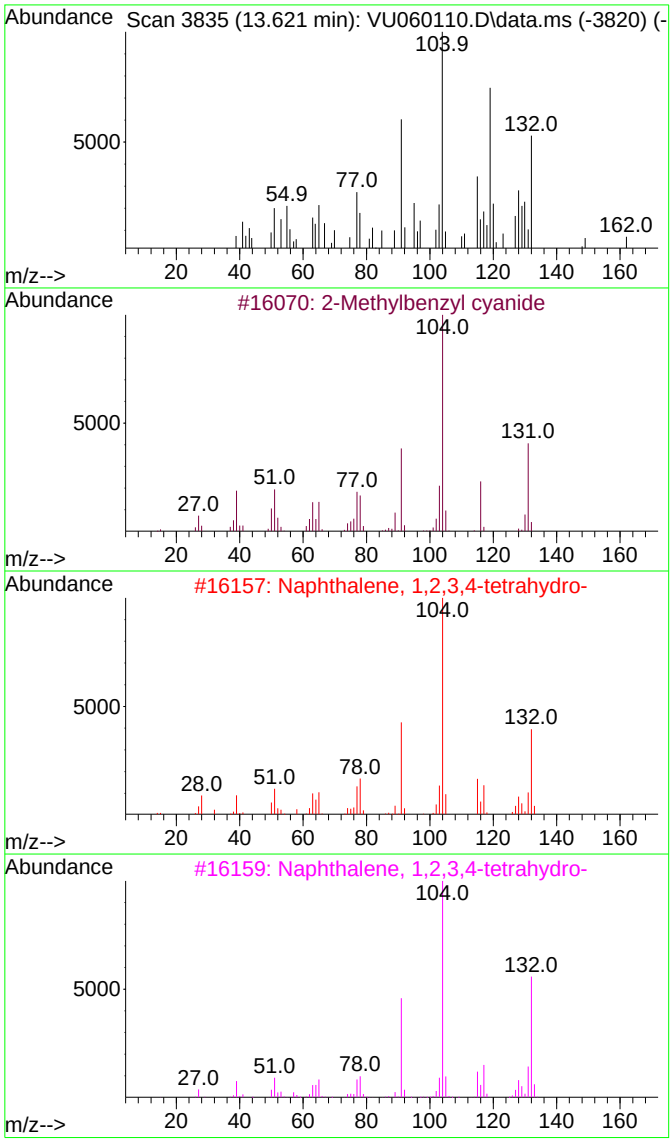
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

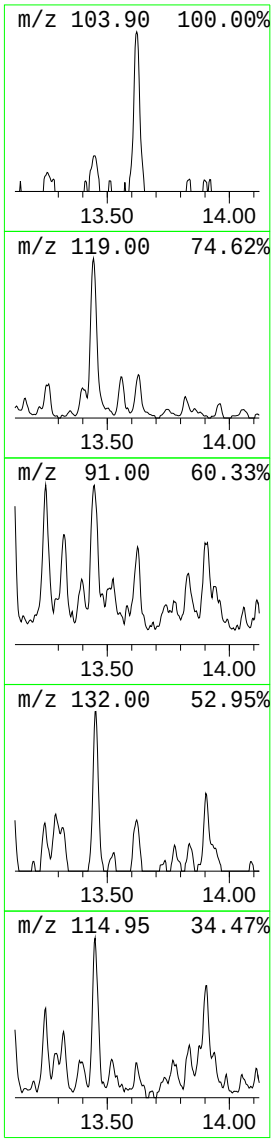
****

Peak Number 21 unknown-04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.621	0.58 ug/L	47619	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	38
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	38
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	30
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	30
5	Tricyclo[3.3.2.0(2,8)]deca-3,6-d...	132	C10H12	000768-46-7	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

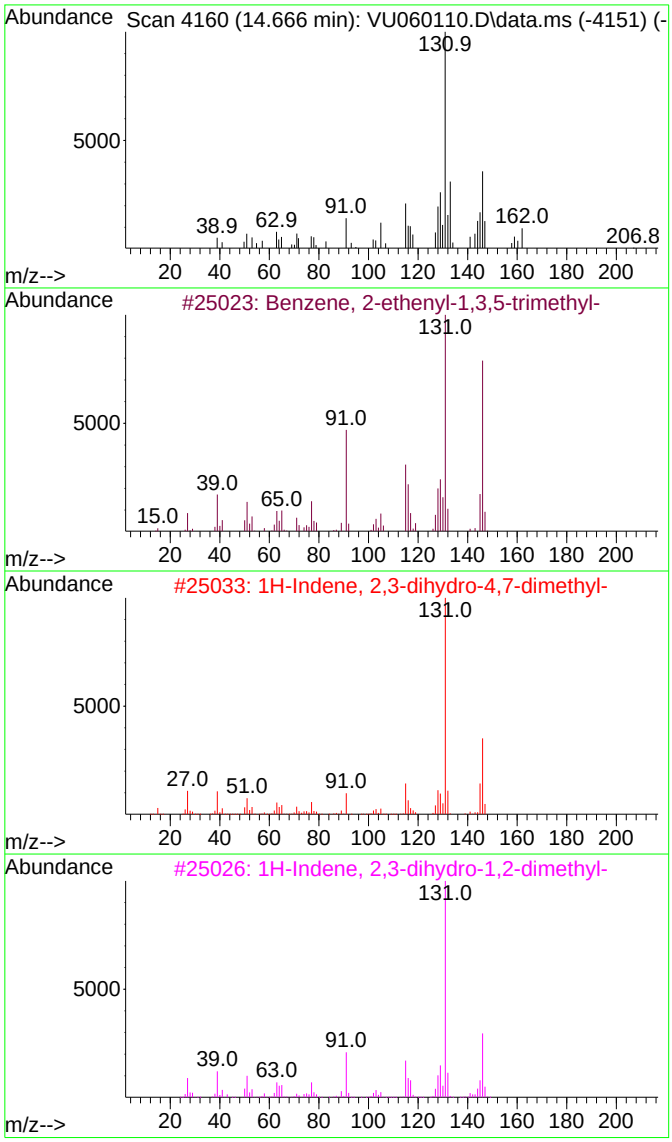
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

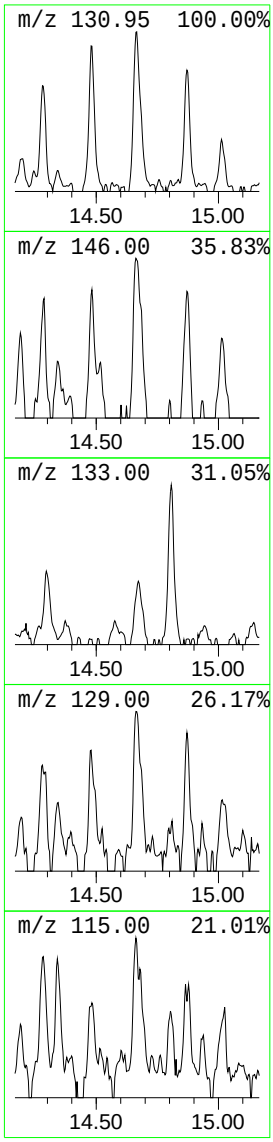
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.666	0.55 ug/L	44889	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	68
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	62
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	62
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	62
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

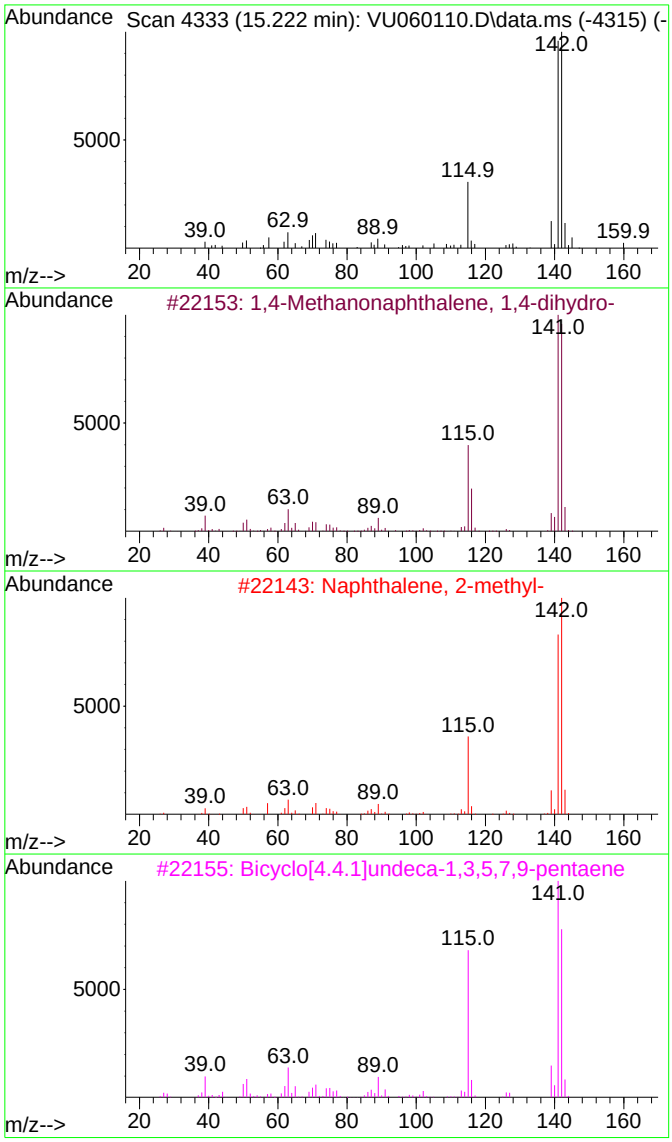
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0

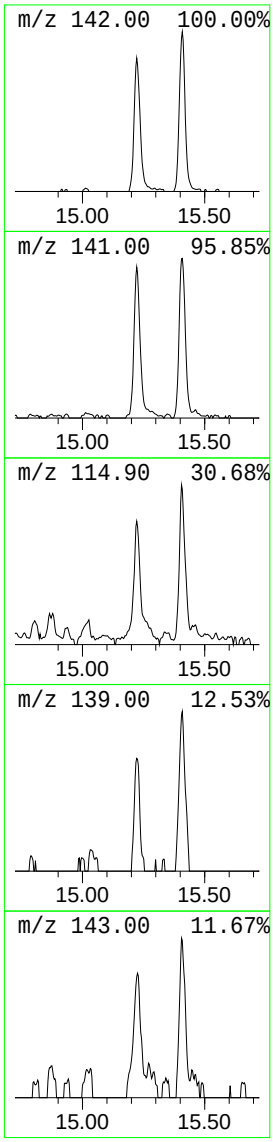
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1,4-Methanonaphthalene, 1,4... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.222	0.78 ug/L	64016	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
Data File : VU060110.D
Acq On : 23 Jul 2024 13:21
Operator : MD/SY
Sample : P3244-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YDZK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.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
unknown-01	1.470	1.1	ug/L	54101	1	6.245	256065	5.0
(DEL) Alkane: C...	1.714	0.5	ug/L	26066	1	6.245	256065	5.0
Nitric acid, bu...	9.206	0.7	ug/L	42928	2	9.412	325540	5.0
3,4-Octadiene, ...	10.267	0.8	ug/L	50242	2	9.412	325540	5.0
1-Octadecyne	10.364	0.7	ug/L	44680	2	9.412	325540	5.0
1-Methylbicyclo...	10.692	0.7	ug/L	55411	3	11.807	410183	5.0
1H-Indene, octa...	10.810	0.6	ug/L	52433	3	11.807	410183	5.0
unknown-02	11.019	0.7	ug/L	54952	3	11.807	410183	5.0
Bicyclo[3.3.1]n...	11.296	1.2	ug/L	96490	3	11.807	410183	5.0
9-Methylbicyclo...	11.598	0.8	ug/L	63322	3	11.807	410183	5.0
Benzeneacetalde...	11.637	0.6	ug/L	50048	3	11.807	410183	5.0
Benzene, 1-ethe...	12.093	1.2	ug/L	100867	3	11.807	410183	5.0
unknown-03	12.380	0.5	ug/L	44271	3	11.807	410183	5.0
Adamantane	12.624	0.9	ug/L	72448	3	11.807	410183	5.0
Benzene, (1-met...	12.679	1.2	ug/L	95724	3	11.807	410183	5.0
Benzene, (3-met...	12.756	1.0	ug/L	82505	3	11.807	410183	5.0
1H-Indene, 2,3-...	12.859	3.4	ug/L	275970	3	11.807	410183	5.0
1H-Indene, 2,3-...	13.113	1.1	ug/L	89596	3	11.807	410183	5.0
Benzene, 1-ethe...	13.447	1.2	ug/L	95052	3	11.807	410183	5.0
unknown-04	13.621	0.6	ug/L	47619	3	11.807	410183	5.0
Benzene, 2-ethe...	14.666	0.6	ug/L	44889	3	11.807	410183	5.0
1,4-Methanonaph...	15.222	0.8	ug/L	64016	3	11.807	410183	5.0