LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

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\SFAMUTR102822WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU051648.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.485	35	45	67	rBV	163861	562824	1.34%	0.221%
2	2.375	311	322	342	rVB	1627823	2474695	5.88%	0.974%
3	3.989	805	824	851	rBV	1276978	3324811	7.90%	1.308%
4	4.658	1013	1032	1095	rBV2	269786	1025344	2.44%	0.403%
5	5.063	1141	1158	1203	rBV2	367796	1031660	2.45%	0.406%
6	5.774	1344	1379	1398	rBV2	20198104	42063610	100.00%	16.549%
7	6.247	1513	1526	1558	rVB	306446	601090	1.43%	0.236%
8	6.690	1650	1664	1676	rBV	267027	529067	1.26%	0.208%
9	7.896	2014	2039	2050	rBV	437150	842323	2.00%	0.331%
10	7.967	2050	2061	2078	rVV	1799482	2999014	7.13%	1.180%
11	8.635	2256	2269	2301	rBV2	821263	1646636	3.91%	0.648%
12	9.446	2498	2521	2546	rBV	9373547	16149815	38.39%	6.354%
13	9.568	2546	2559	2582	rVB	12516063	20190284	48.00%	7.943%
14	9.690	2582	2597	2612	rBV2	25668013	41580323	98.85%	16.359%
15	10.098	2711	2724	2749	rVB	5906429	9503858	22.59%	3.739%
16	10.481	2829	2843	2856	rBV	3389027	5325408	12.66%	2.095%
17	10.754	2919	2928	2935	rBV	291712	440789	1.05%	0.173%
18	10.902	2958	2974	2991	rBV	1088275	2032107	4.83%	0.799%
19	10.996	2992	3003	3020	rVB2	552178	1107522	2.63%	0.436%
20	11.086	3020	3031	3046	rBV	763134	1185600	2.82%	0.466%
21	11.288	3083	3094	3116	rVB	1257893	2074361	4.93%	0.816%
22	11.465	3118	3149	3162	rBV	4630517	7297126	17.35%	2.871%
23	11.539	3162	3172	3185	rBV3	265978	479822	1.14%	0.189%
24	11.741	3224	3235	3244	rBV	385279	617723	1.47%	0.243%
25	11.831	3244	3263	3272	rVV3	950513	2442648	5.81%	0.961%
26	11.893	3272	3282	3294	rVB	2816273	4520295	10.75%	1.778%
27	12.092	3327	3344	3362	rBV	16091798	24949621	59.31%	9.816%
28	12.208	3362	3380	3400	rVB3	2293167	4811829	11.44%	1.893%
29	12.465	3449	3460	3465	rBV	311949	529226	1.26%	0.208%
30	12.568	3482	3492	3501	rBV	1027116	1555854	3.70%	0.612%
31	12.680	3519	3527	3542	rBV5	236645	550036	1.31%	0.216%
32	12.774	3543	3556	3562	rVV6	322466	678940	1.61%	0.267%
33	12.819	3563	3570	3579	rVV	589463	937541	2.23%	0.369%
34	12.970	3597	3617	3625	rBV	563600	943235	2.24%	0.371%
35	13.024	3625	3634	3646	rVB	620358	934945	2.22%	0.368%
36	13.291	3708	3717	3730	rVB	1430177	2170685	5.16%	0.854%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

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\SFAMUTR102822WMA.M
Title : TRACE VOA SFAM1.0

37	13.449	3744	3766	3778	rBV3	1226306	2284585	5.43%	0.899%
38	13.516	3778	3787	3797	rVB	1075952	1617461	3.85%	0.636%
39	13.622	3807	3820	3834	rVB2	2335748	3864811	9.19%	1.520%
40	14.082	3945	3963	3987	rBV	13180763	21501905	51.12%	8.459%
41	14.204	3989	4001	4013	rVB	454542	753677	1.79%	0.297%
42	14.703	4136	4156	4167	rBV5	405473	1193890	2.84%	0.470%
43	15.073	4261	4271	4280	rBV	335829	542754	1.29%	0.214%
44	15.217	4306	4316	4342	rVB	2684687	4490269	10.67%	1.767%
45	15.407	4362	4375	4404	rVB	3964397	6330797	15.05%	2.491%
46	16.407	4667	4686	4693	rBV2	443008	837396	1.99%	0.329%
47	17.092	4889	4899	4916	rBV	396615	652961	1.55%	0.257%

Sum of corrected areas: 254181173

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Acq On : 01 Nov 2022 07:04
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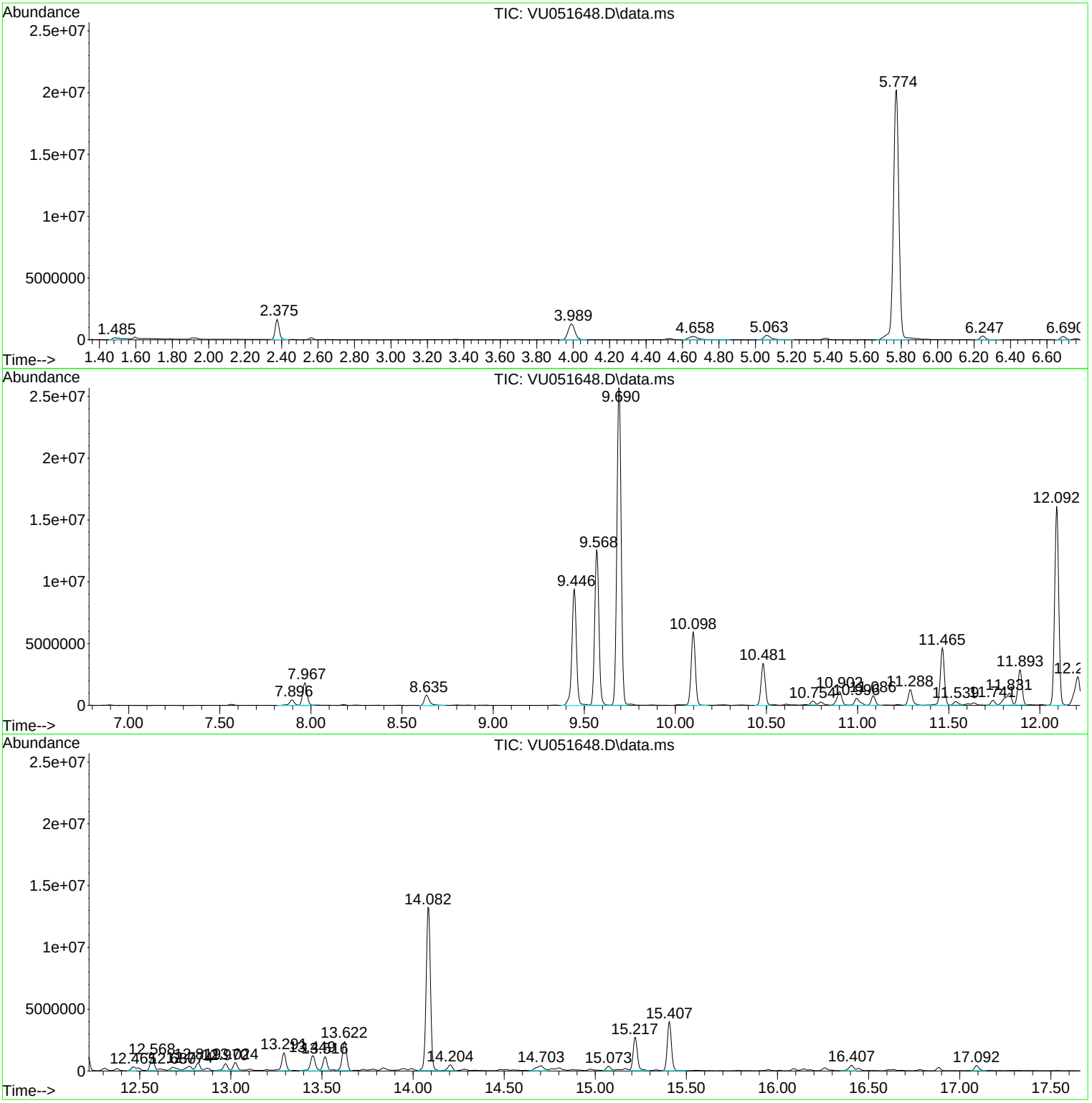
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.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\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

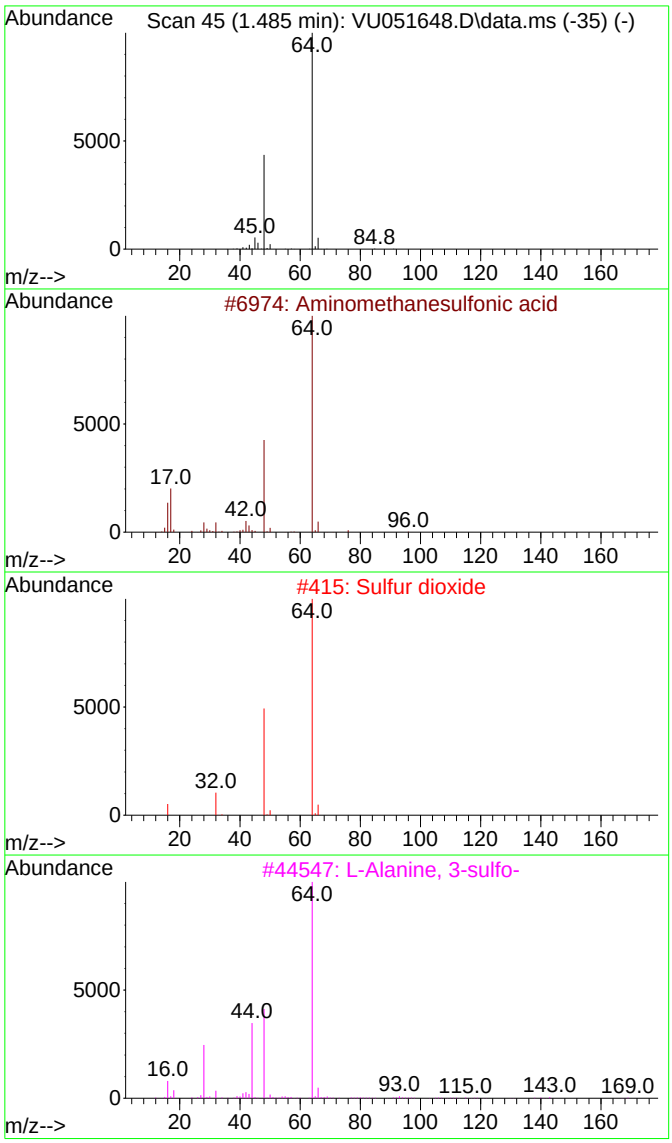
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

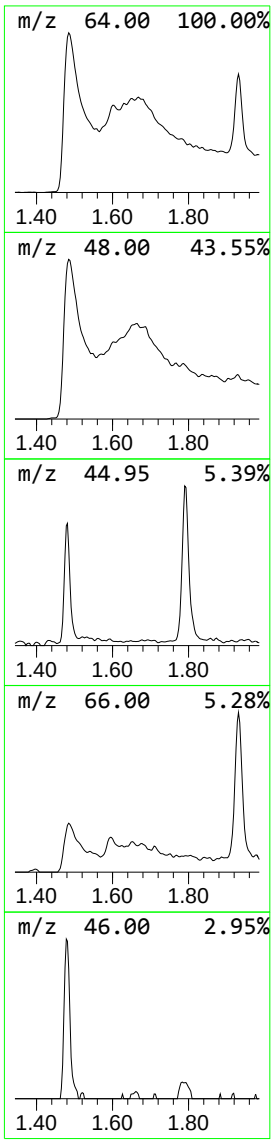
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Aminomethanesulfonic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.485	4.68 ug/L	562824	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	83
2	Sulfur dioxide	64	O2S	007446-09-5	83
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	7
5	Sulfur dioxide	64	O2S	007446-09-5	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

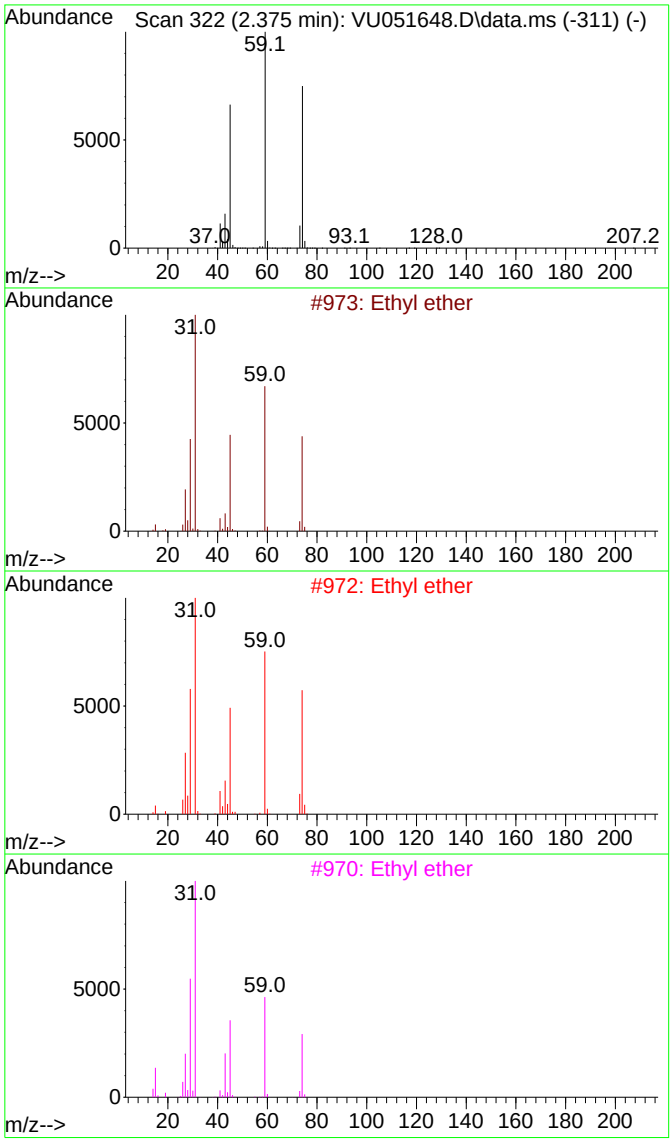
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

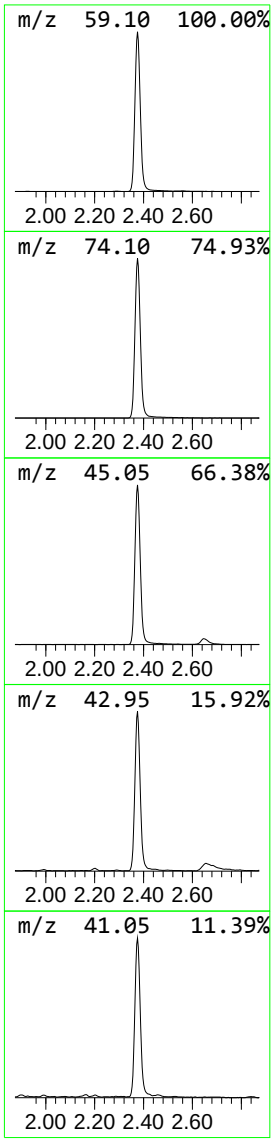
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethyl ether Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.375	20.59 ug/L	2474700	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	91
2	Ethyl ether	74	C4H10O	000060-29-7	83
3	Ethyl ether	74	C4H10O	000060-29-7	83
4	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	56
5	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

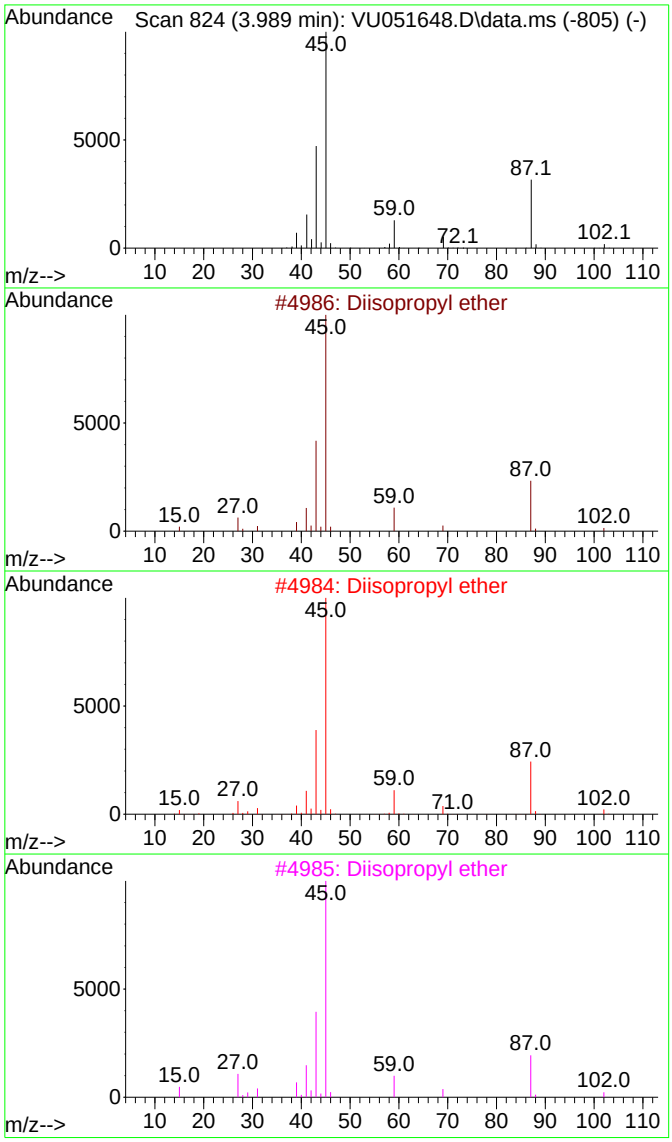
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

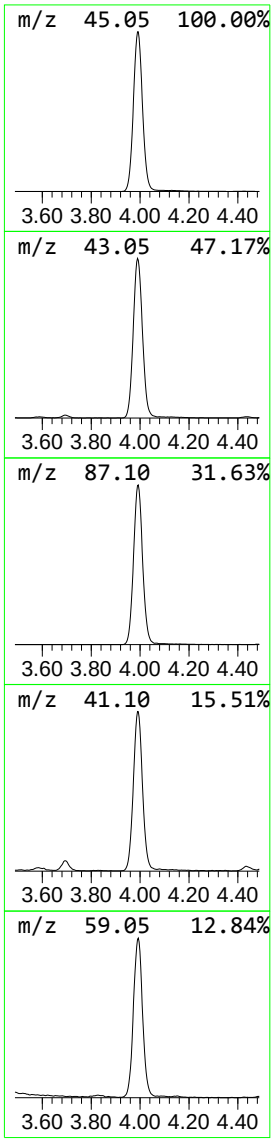
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Diisopropyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.989	27.66 ug/L	3324810	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	Diisopropyl ether	102	C6H14O	000108-20-3	91
3	Diisopropyl ether	102	C6H14O	000108-20-3	86
4	Diisopropyl ether	102	C6H14O	000108-20-3	83
5	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

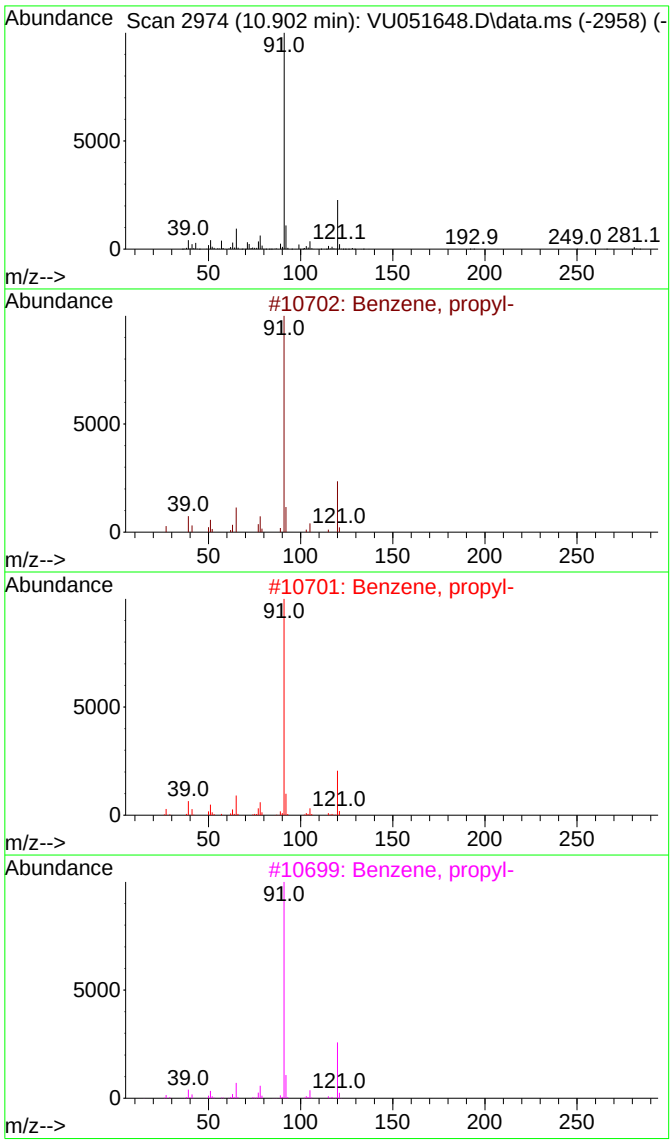
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

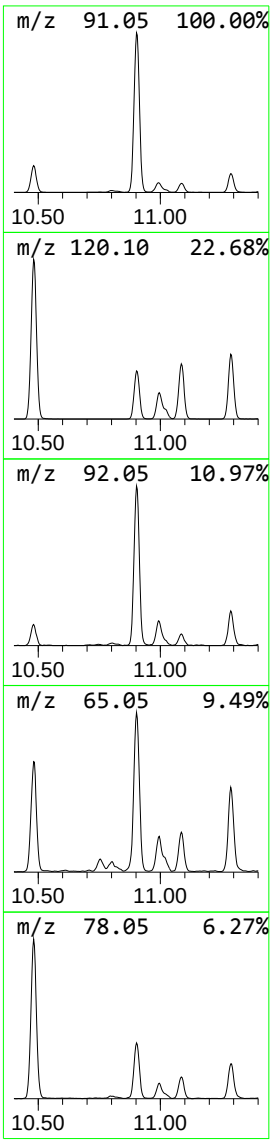
****

Peak Number 4 Benzene, propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.902	4.16 ug/L	2032110	1,4-Dichlorobenzene-d4	11.809

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	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	64
5	N-Butylbenzylamine	163	C11H17N	002403-22-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

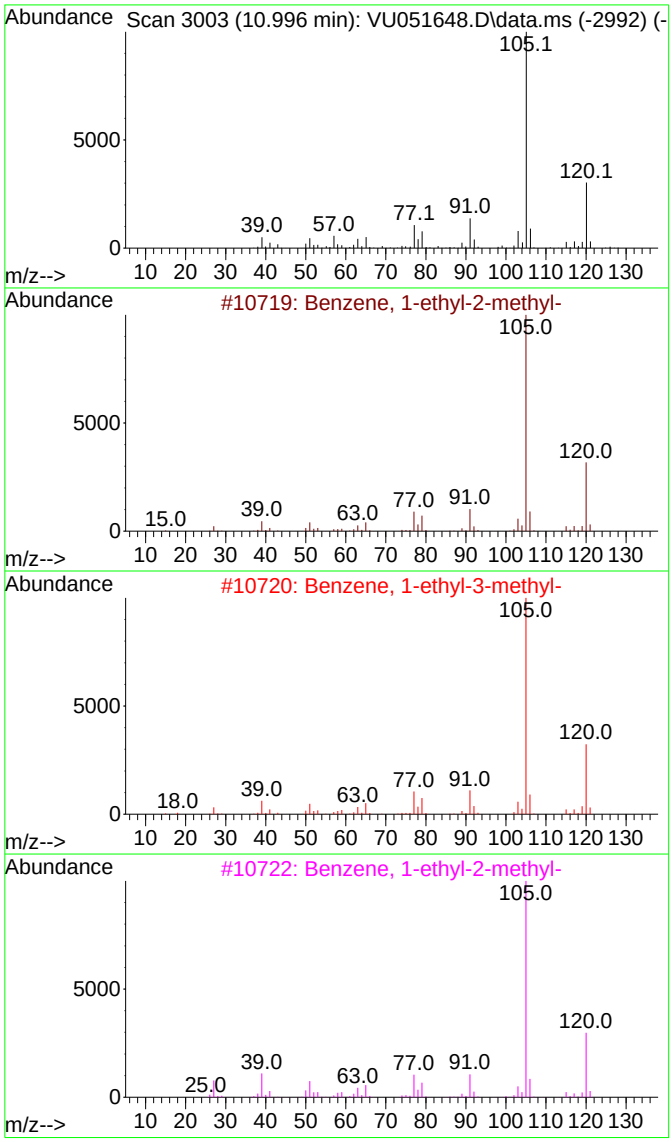
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

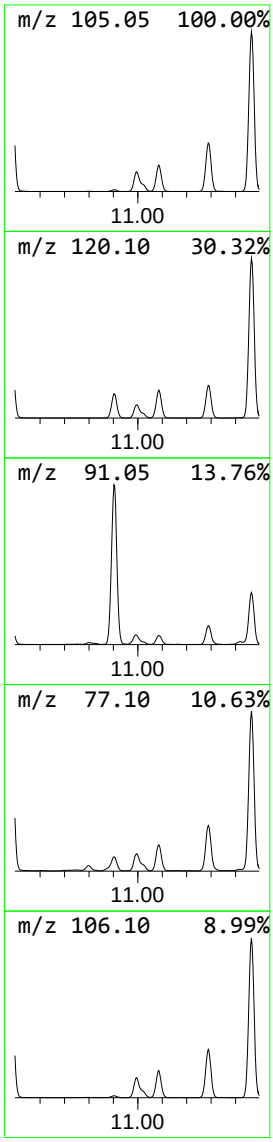
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.996	2.27 ug/L	1107520	1,4-Dichlorobenzene-d4	11.809

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-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

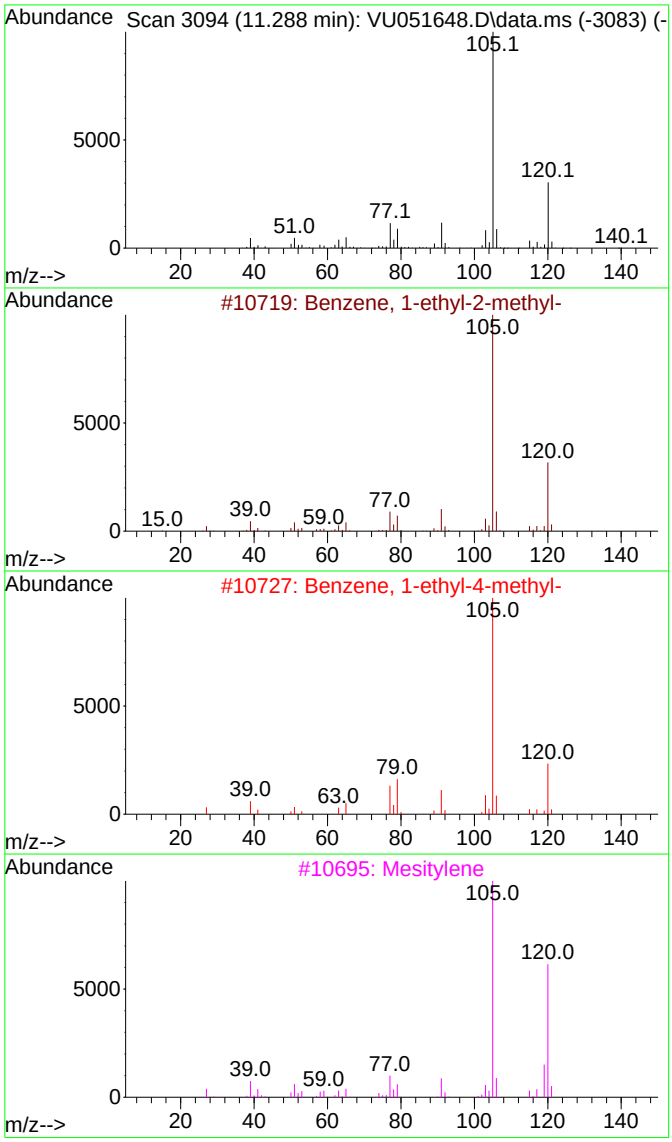
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

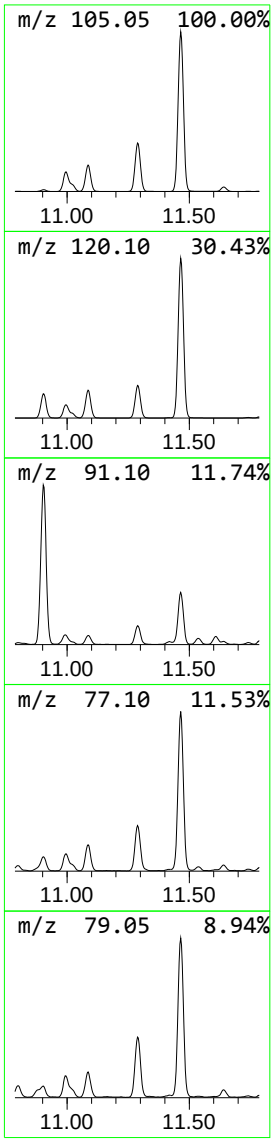
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.288	4.25 ug/L	2074360	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





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Data File : VU051648.D
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Operator : JC/MD
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

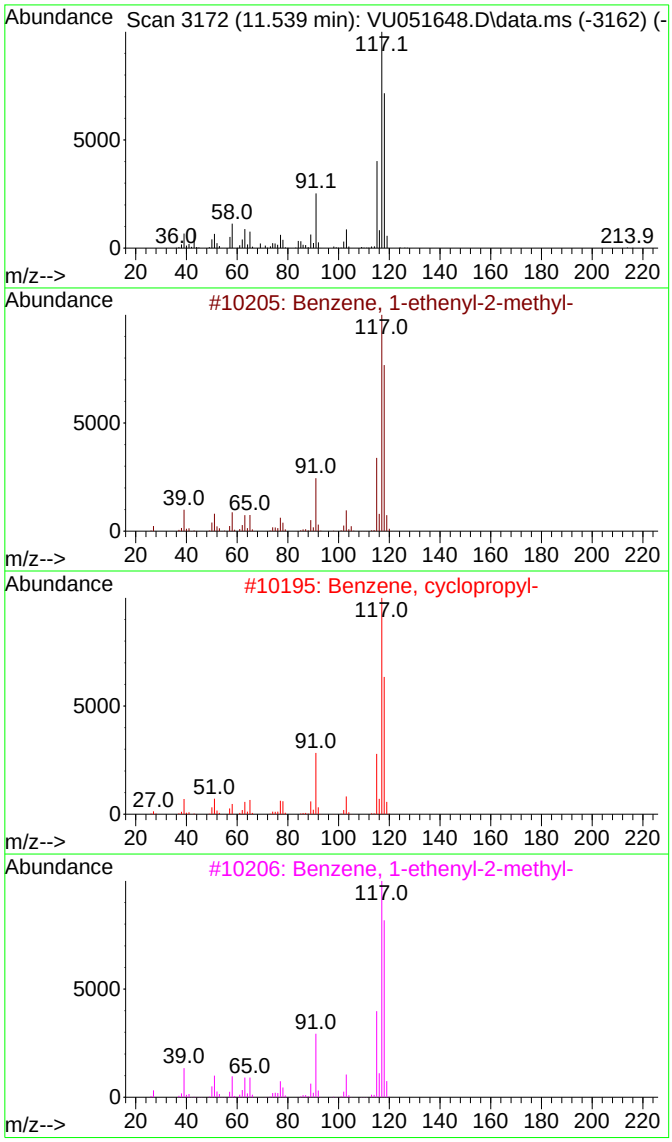
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

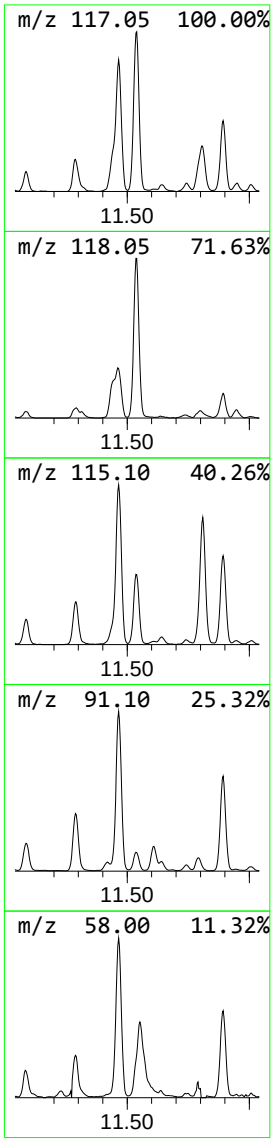
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethenyl-2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.539	0.98 ug/L	479822	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	92
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90
4	Indane	118	C9H10	000496-11-7	89
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

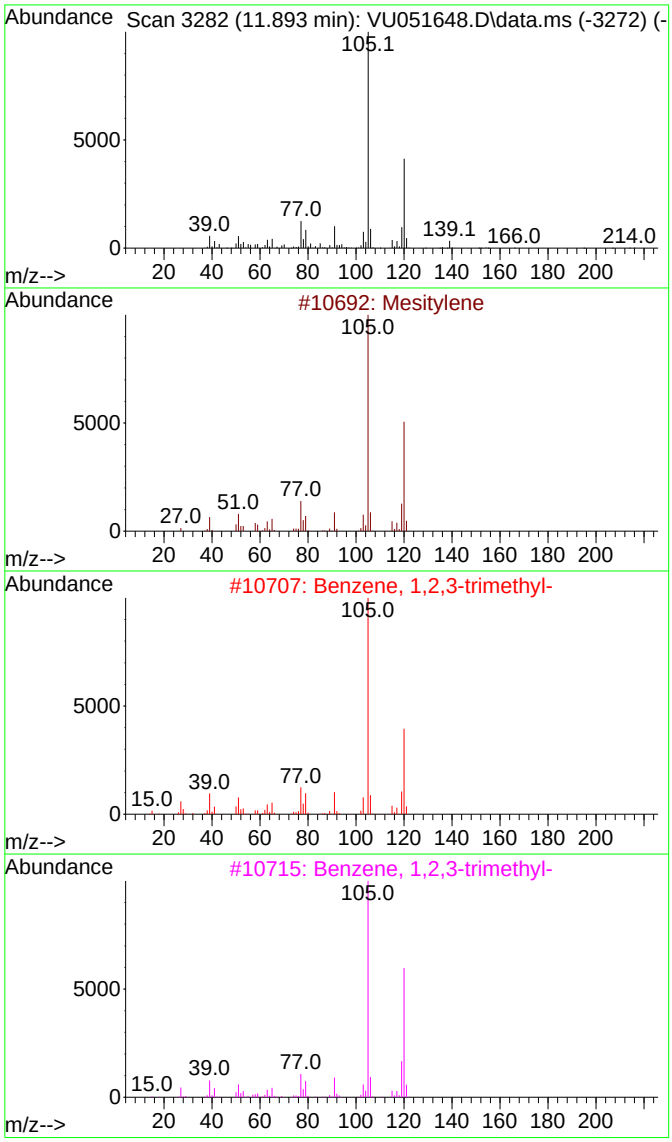
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

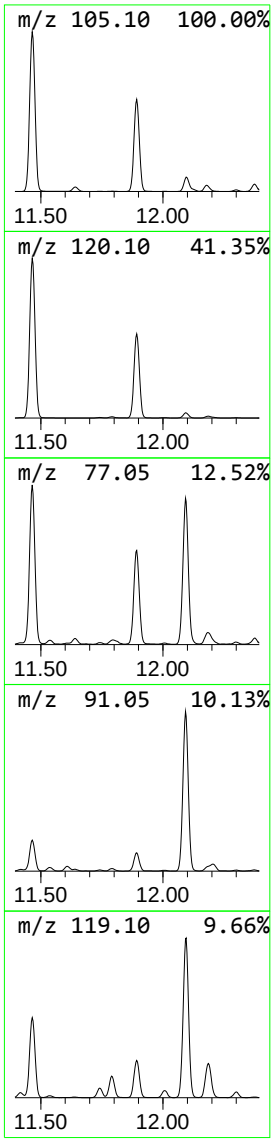
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.893	9.25 ug/L	4520300	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

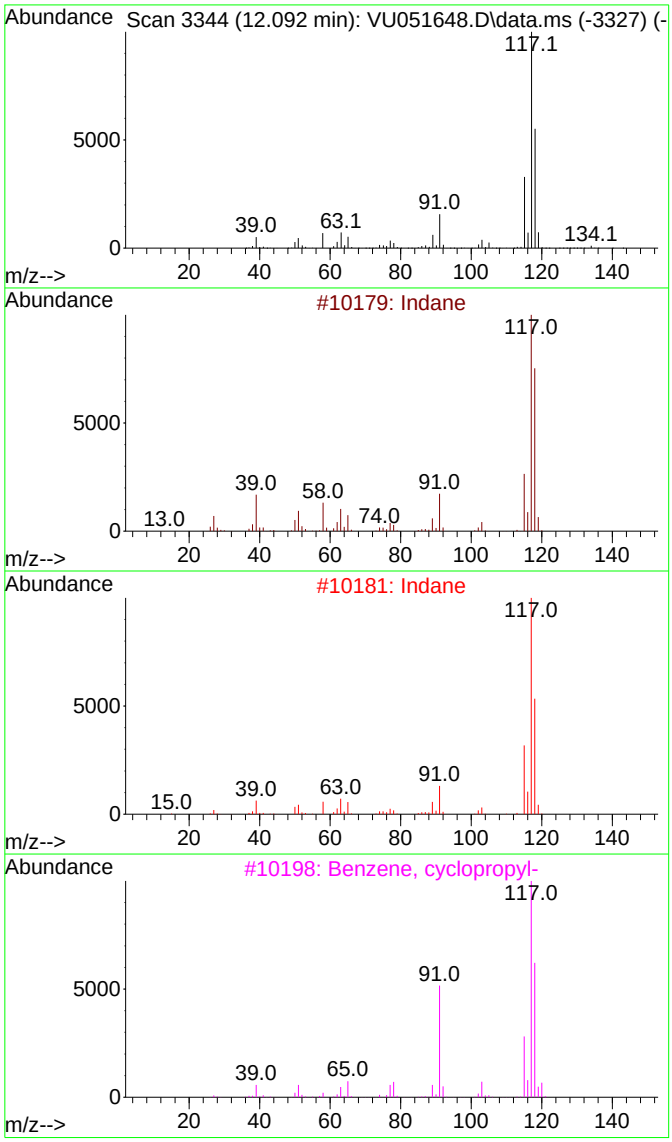
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

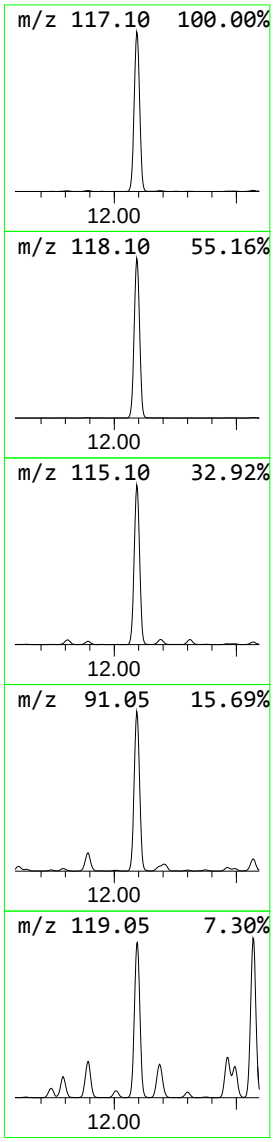
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	51.07 ug/L	24949600	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80





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Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

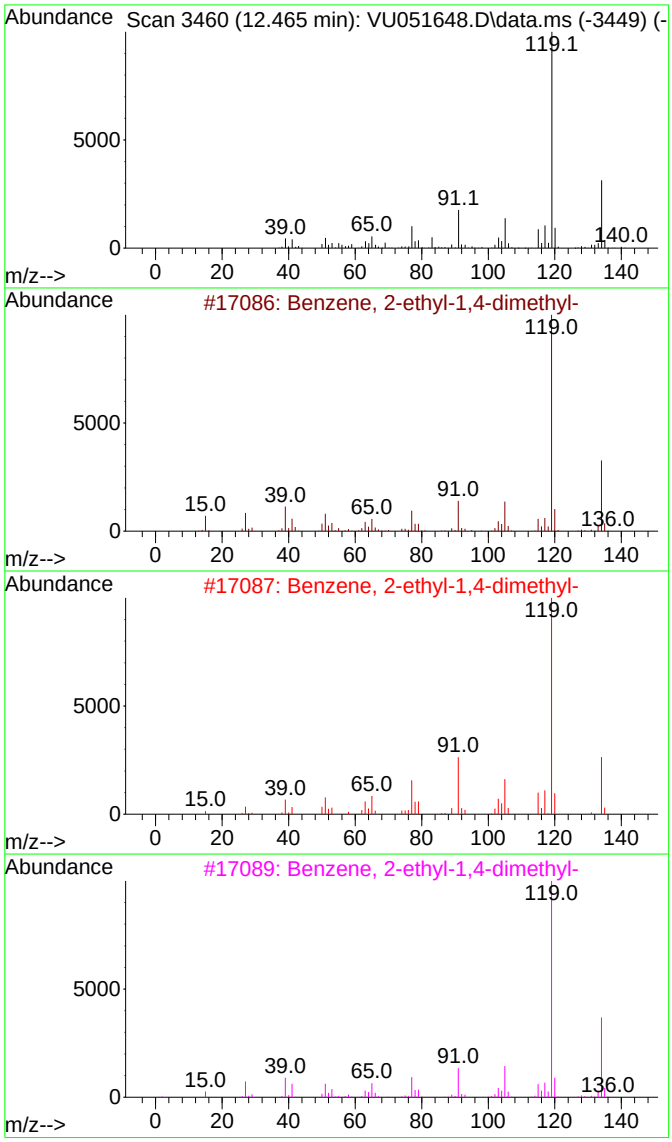
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

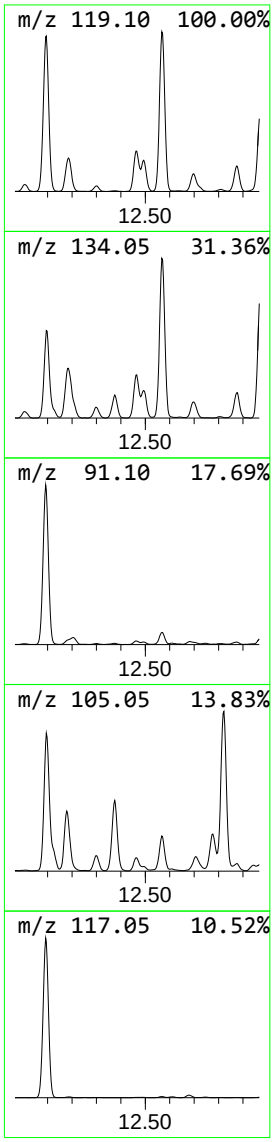
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.465	1.08 ug/L	529226	1,4-Dichlorobenzene-d4	11.809

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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

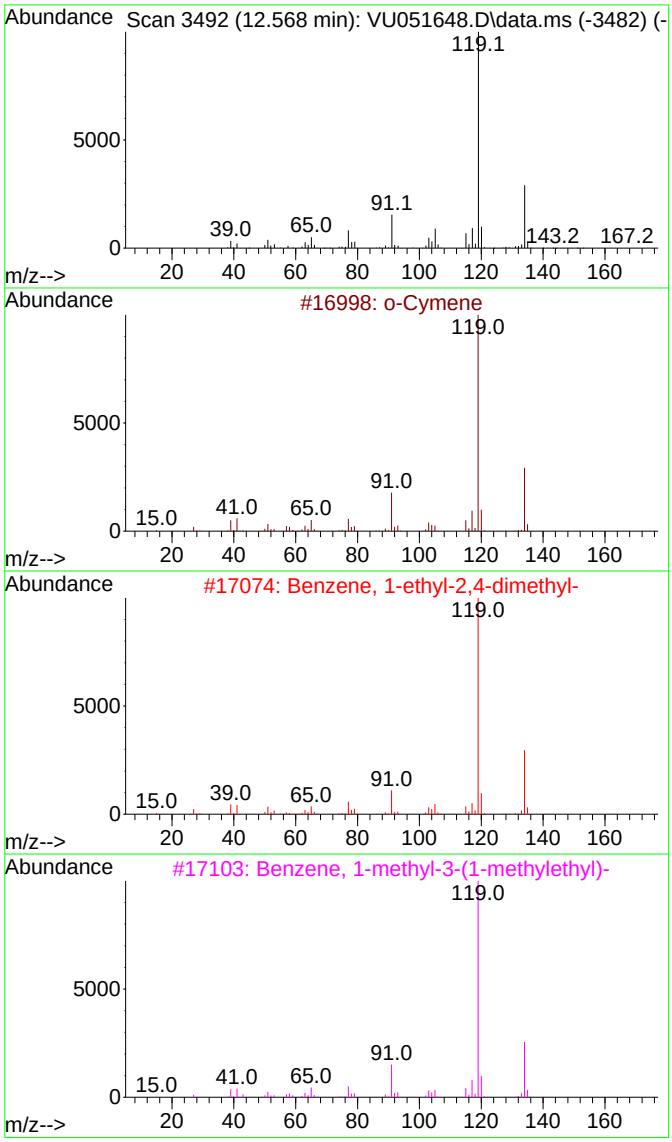
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

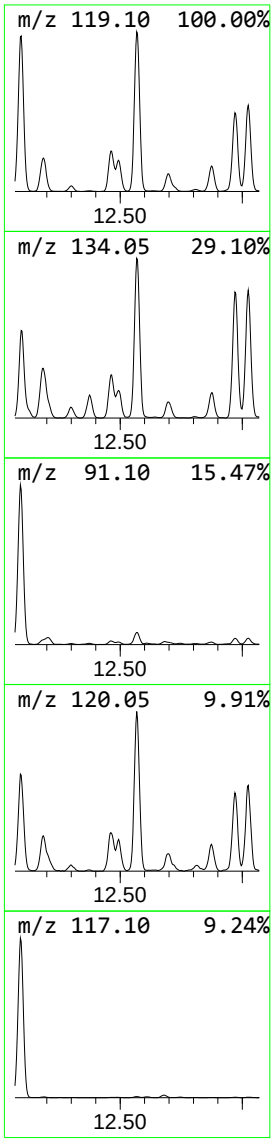
****

Peak Number 11 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.568	3.18 ug/L	1555850	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

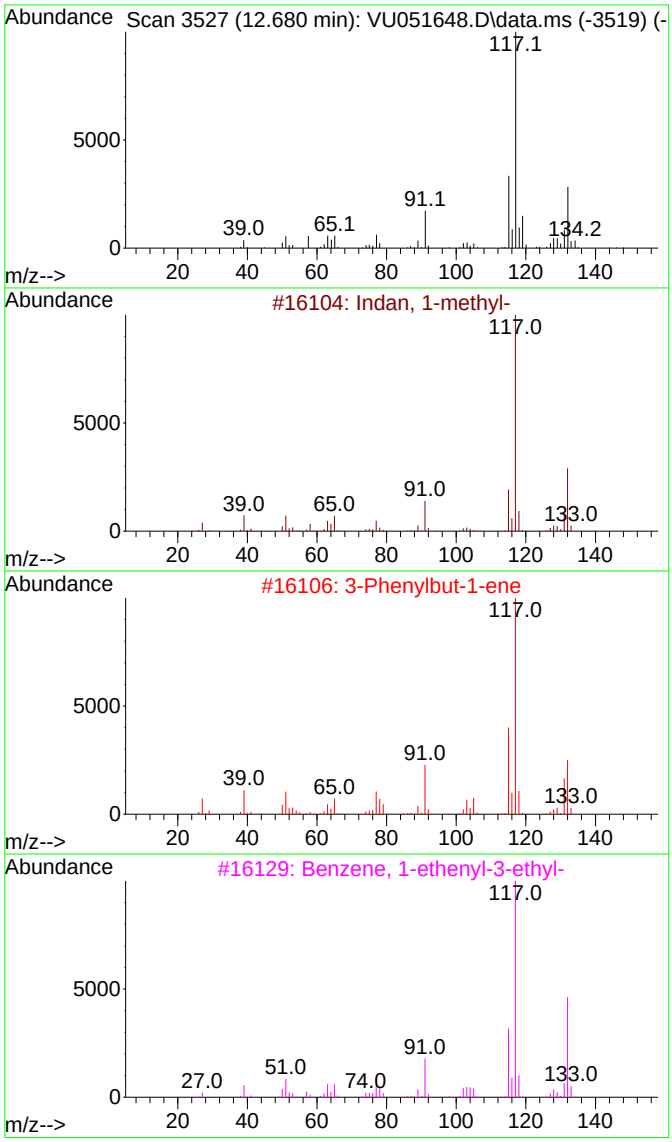
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

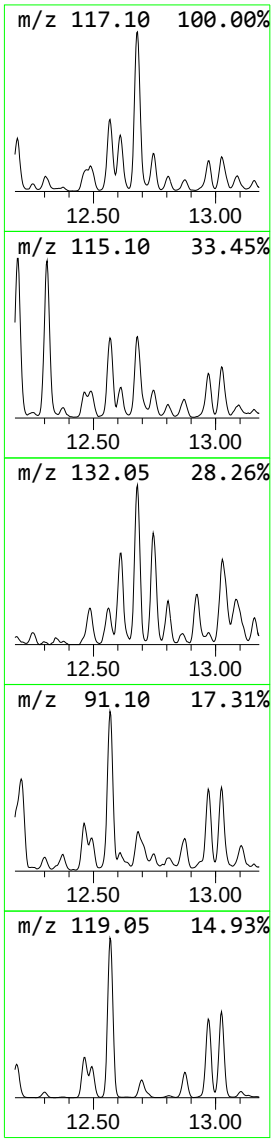
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Indan, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.680	1.13 ug/L	550036	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	81
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

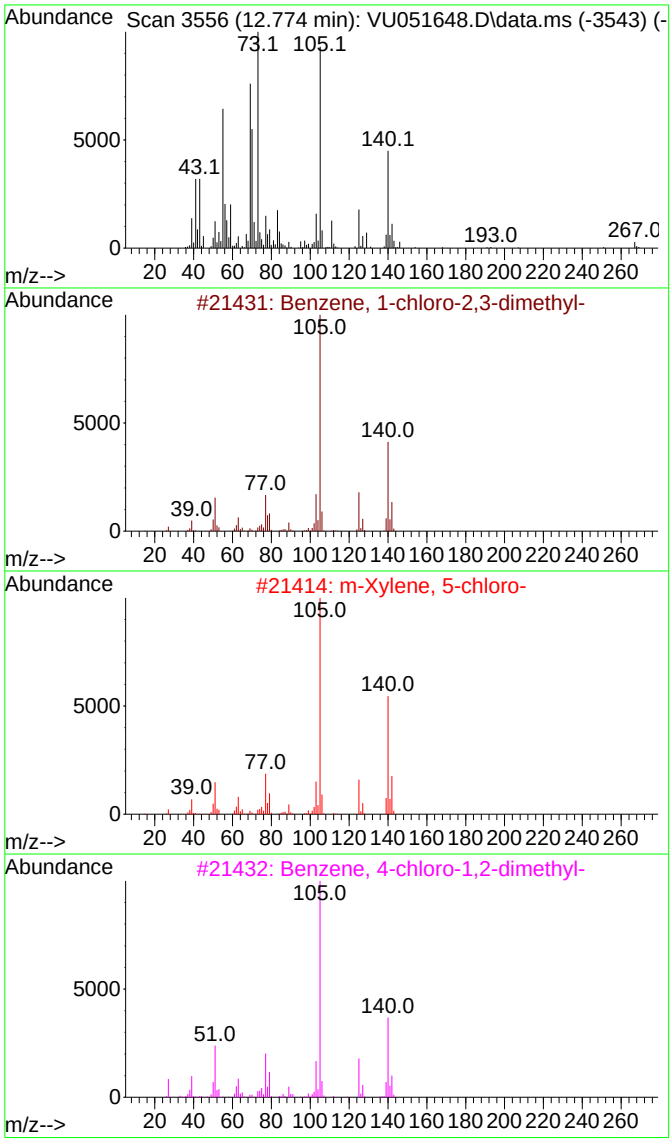
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

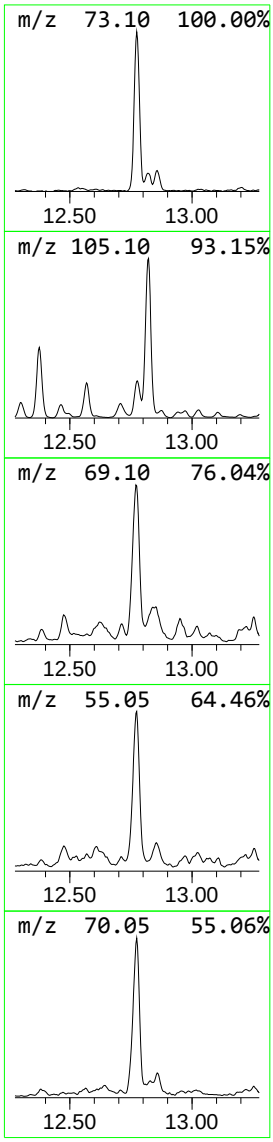
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-chloro-2,3-dimet... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.774	1.39 ug/L	678940	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2,3-dimethyl-	140	C8H9Cl	000608-23-1	76
2	m-Xylene, 5-chloro-	140	C8H9Cl	000556-97-8	74
3	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	70
4	Benzene, 2-chloro-1,4-dimethyl-	140	C8H9Cl	000095-72-7	60
5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

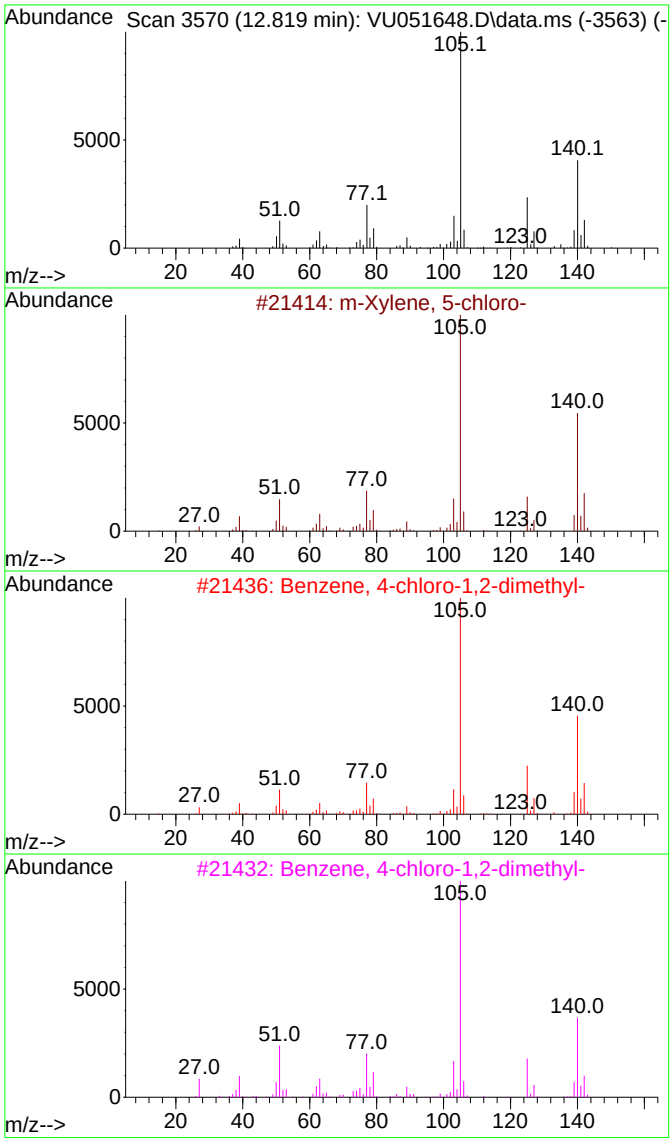
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

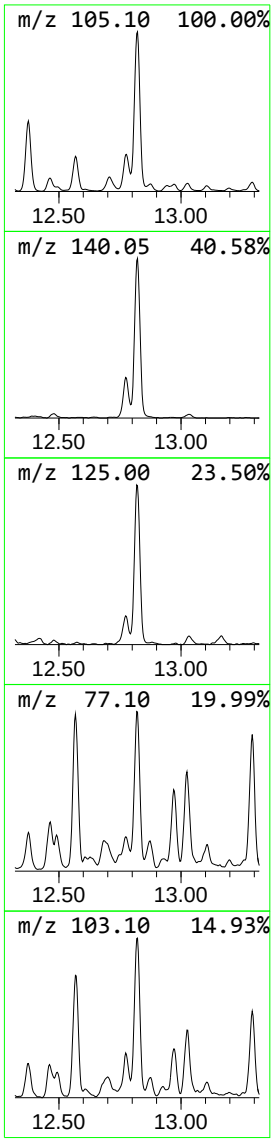
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 m-Xylene, 5-chloro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.819	1.92 ug/L	937541	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Xylene, 5-chloro-	140	C8H9Cl	000556-97-8	96
2	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	95
3	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	94
4	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	94
5	Benzene, 1-chloro-2,3-dimethyl-	140	C8H9Cl	000608-23-1	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

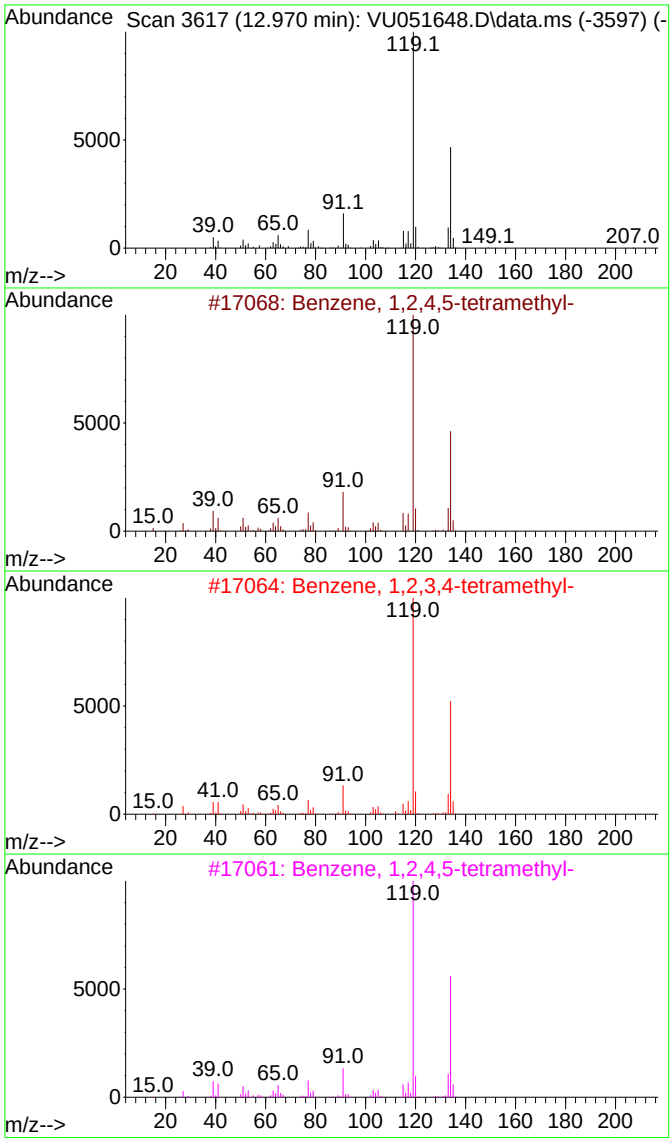
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

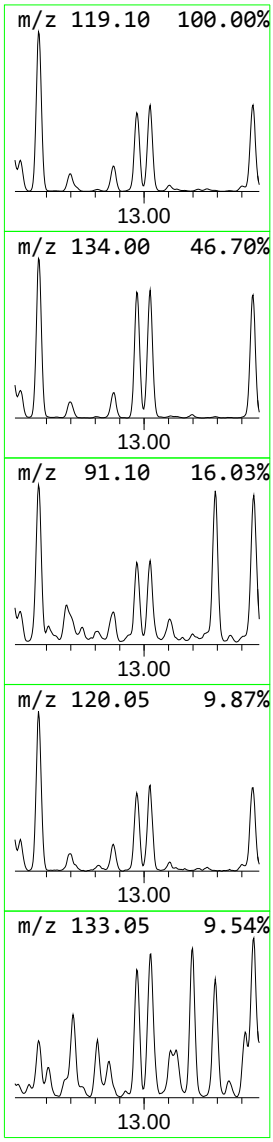
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.970	1.93 ug/L	943235	1,4-Dichlorobenzene-d4	11.809

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

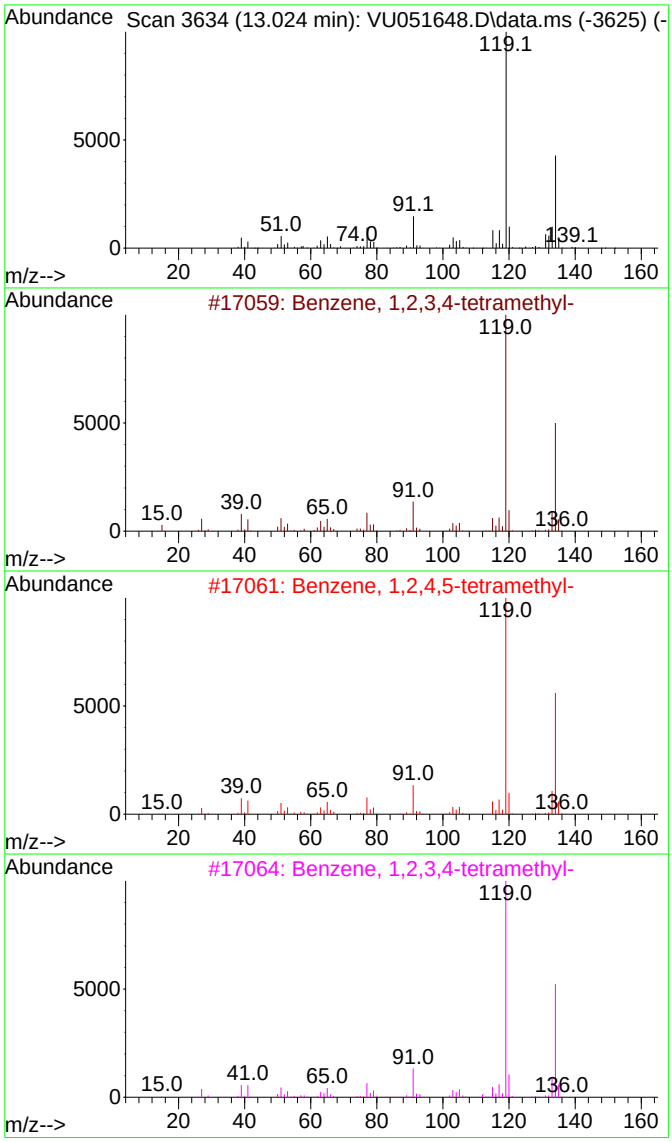
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

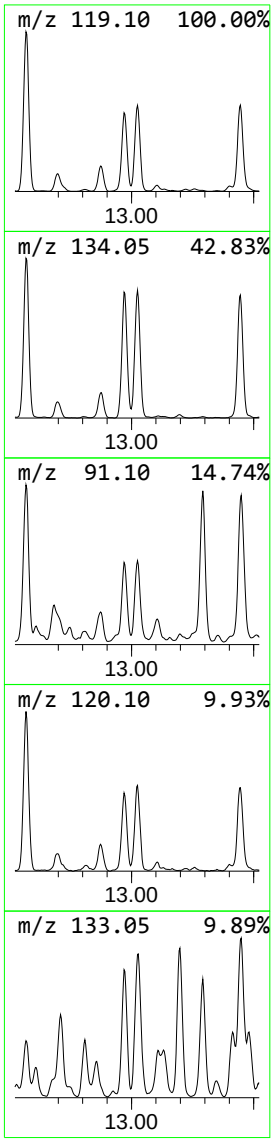
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.024	1.91 ug/L	934945	1,4-Dichlorobenzene-d4	11.809

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

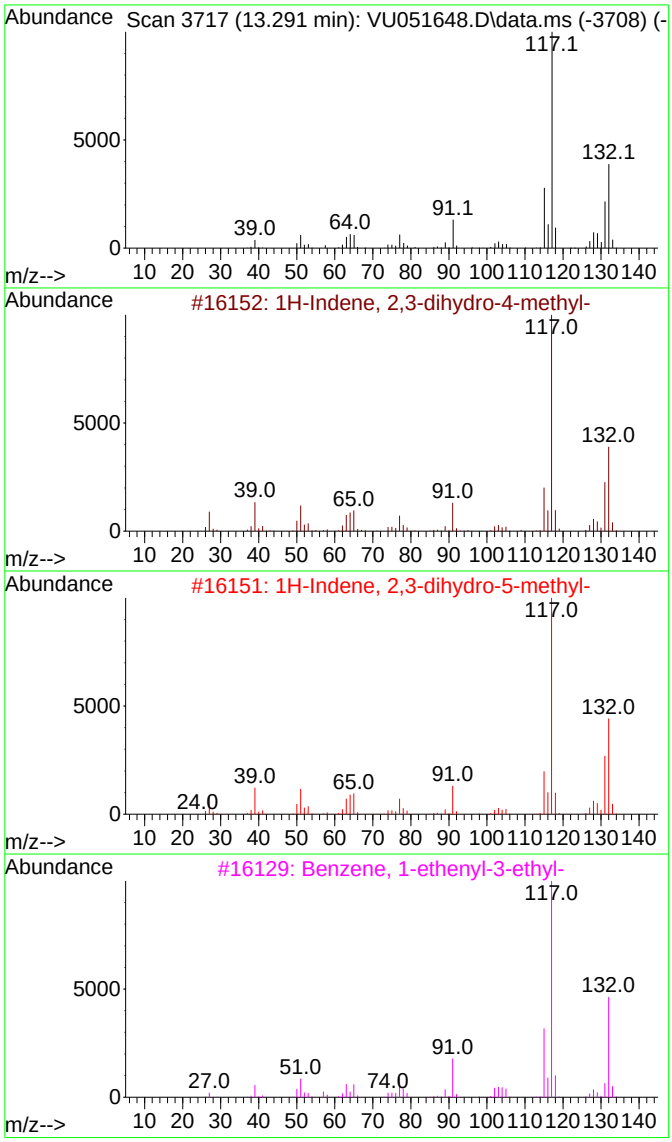
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

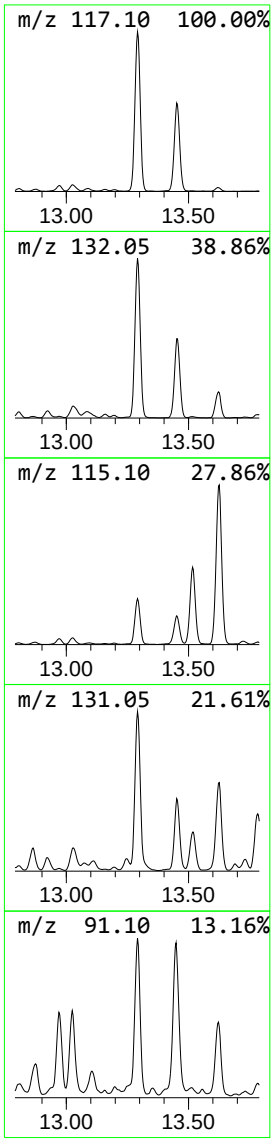
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.291	4.44 ug/L	2170690	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	83
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

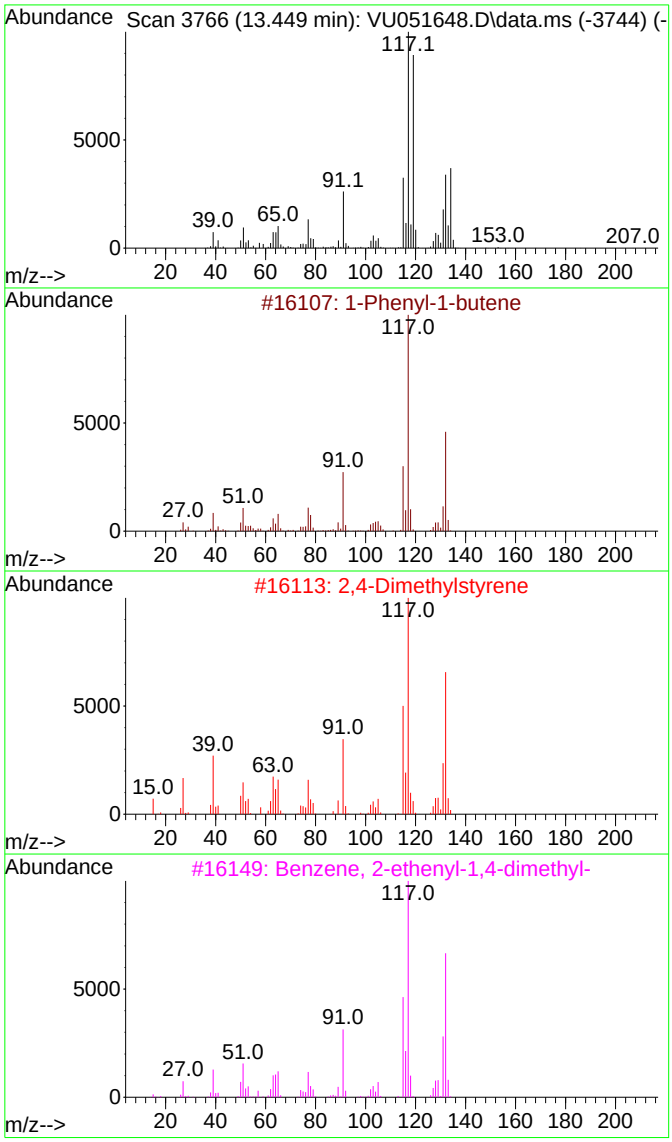
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

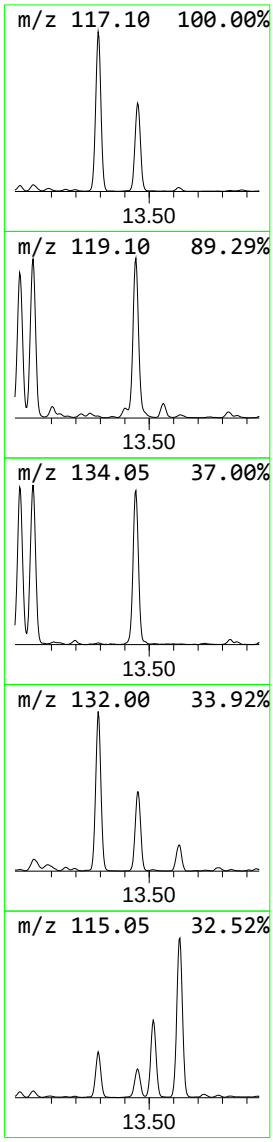
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.449	4.68 ug/L	2284590	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	80
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	55
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55





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Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

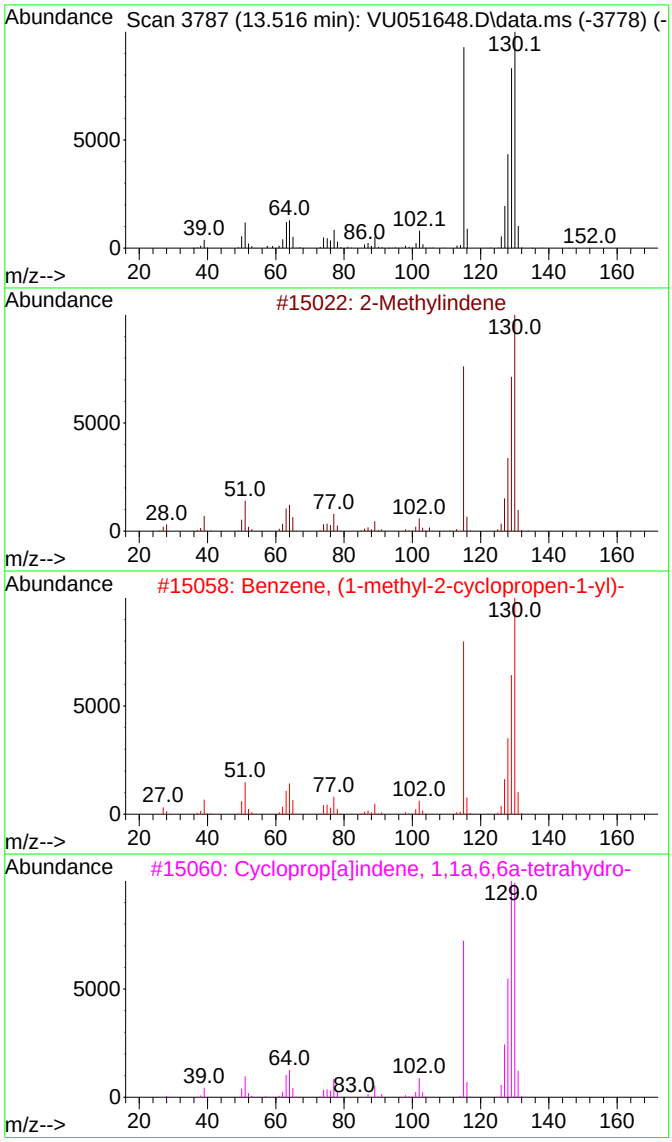
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

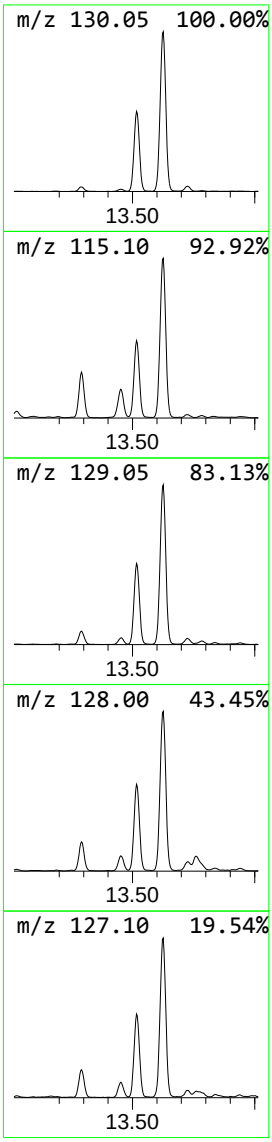
****

Peak Number 19 2-Methylindene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.516	3.31 ug/L	1617460	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

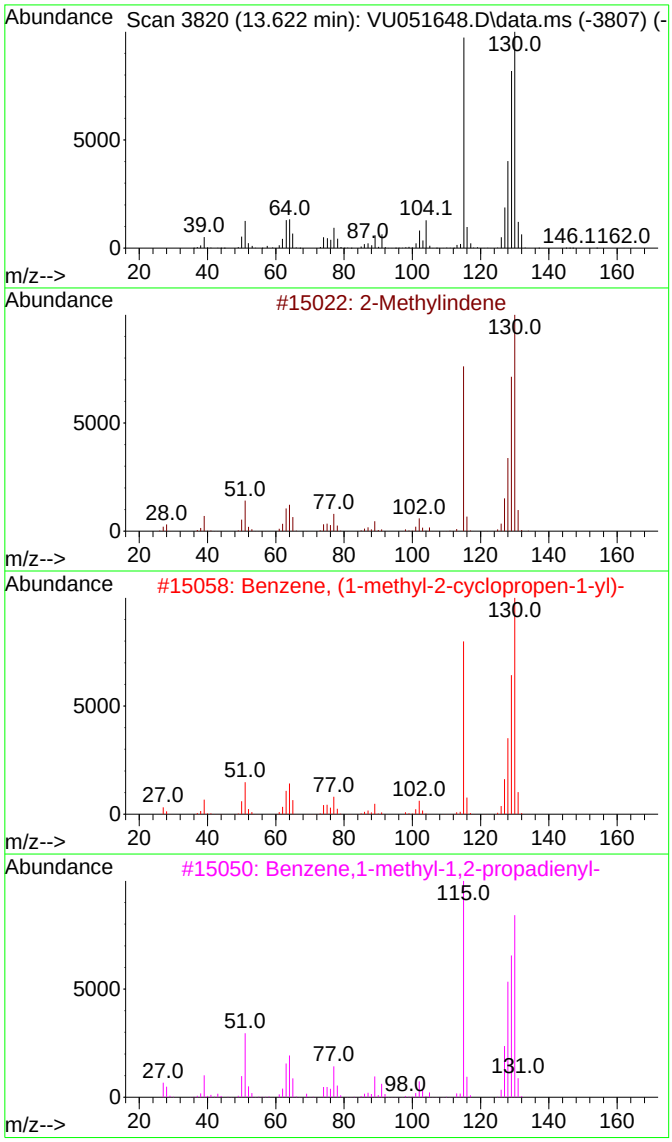
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

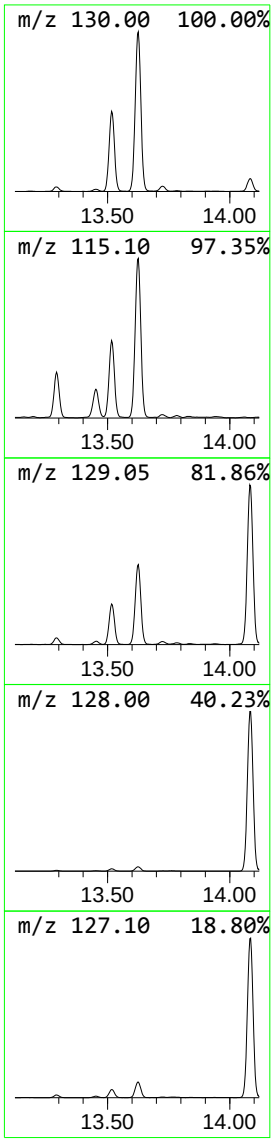
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, (1-methyl-2-cyclop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.622	7.91 ug/L	3864810	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94





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Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

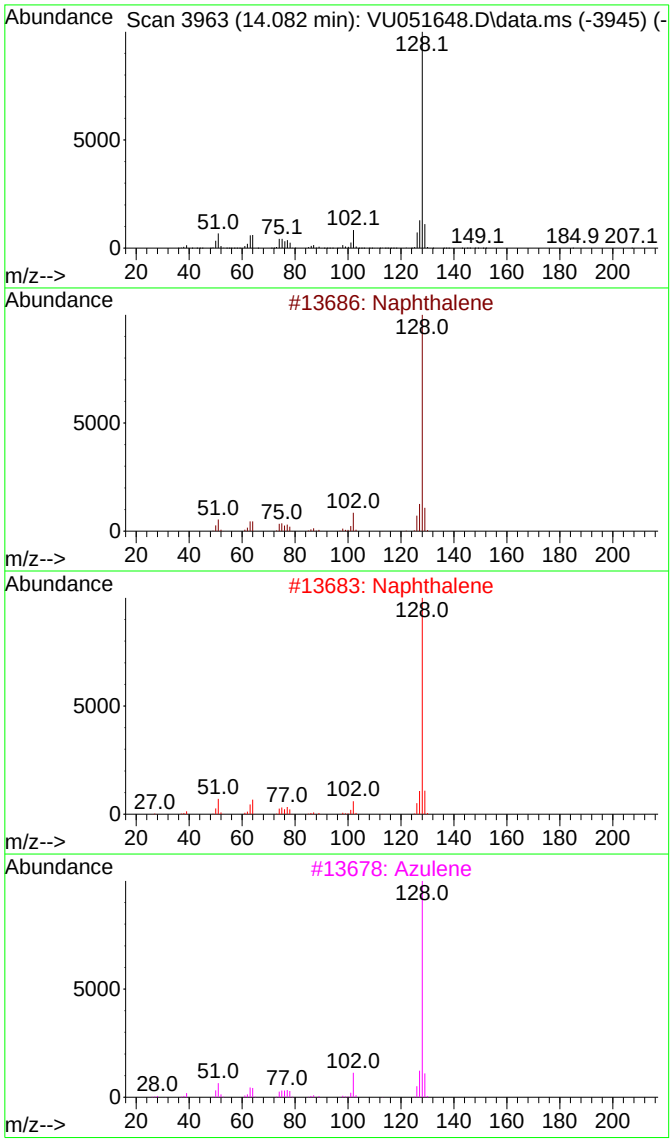
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

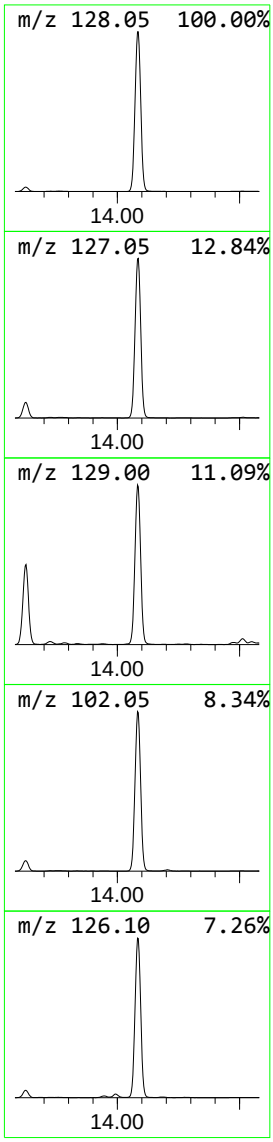
****

Peak Number 21 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.082	44.01 ug/L	21501900	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	94
3	Azulene	128	C10H8	000275-51-4	93
4	Azulene	128	C10H8	000275-51-4	91
5	Naphthalene	128	C10H8	000091-20-3	91





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Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

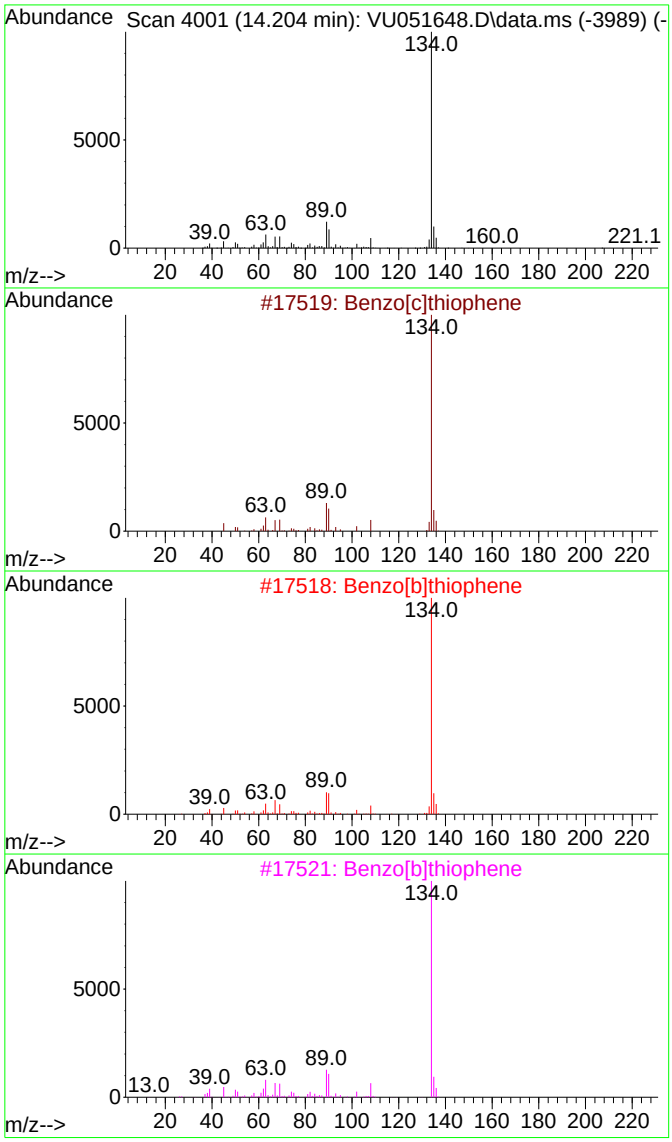
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

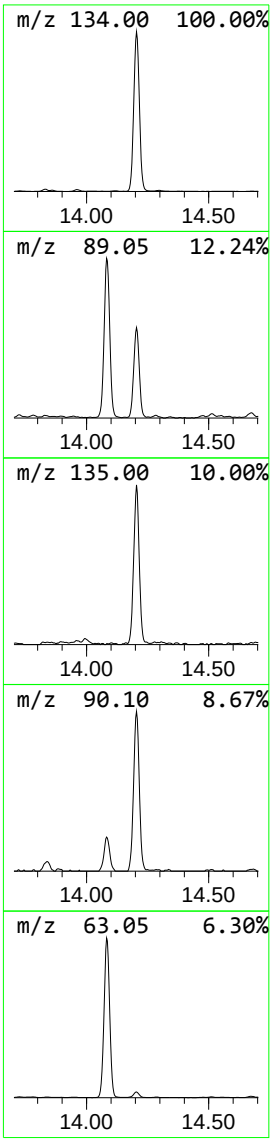
****

Peak Number 22 Benzo[c]thiophene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.204	1.54 ug/L	753677	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

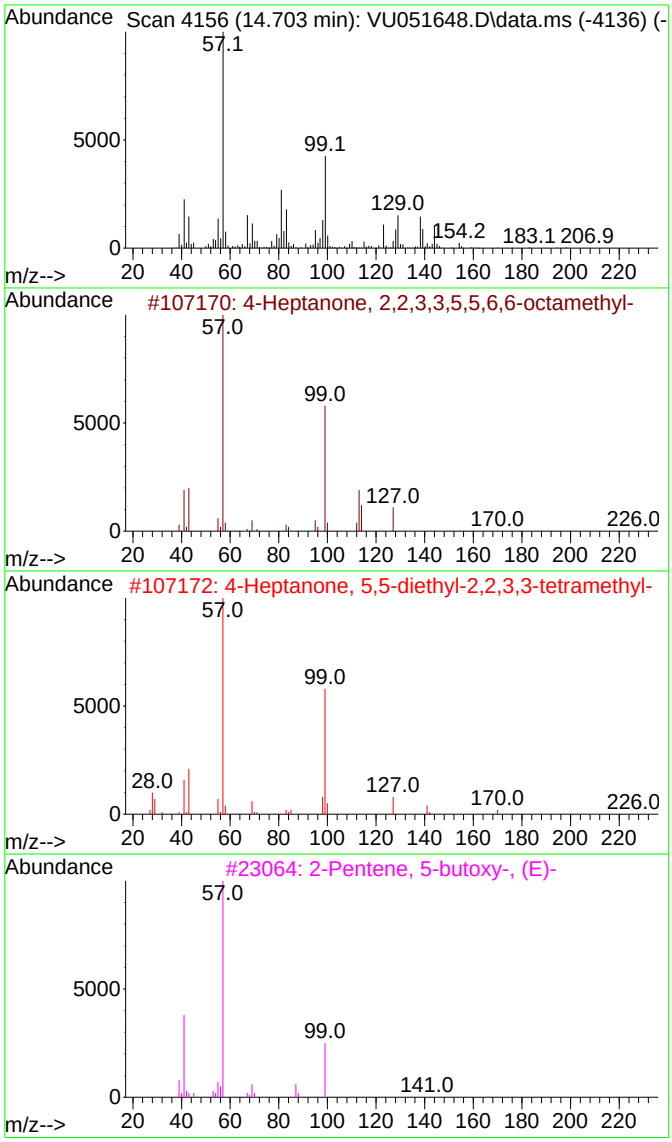
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

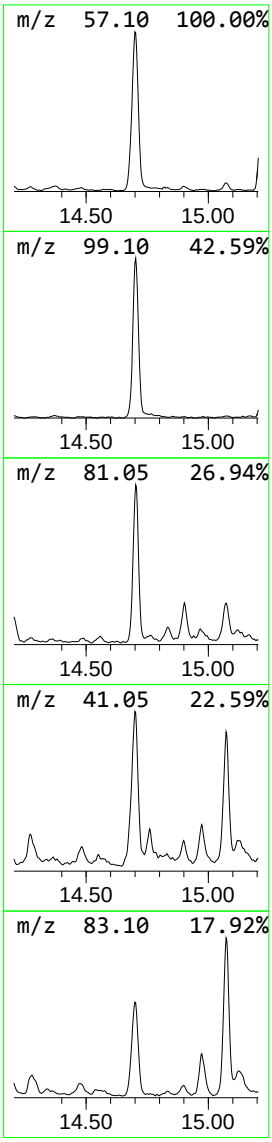
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.703	2.44 ug/L	1193890	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,2,3,3,5,5,6,6-oct...	226	C15H30O	016424-66-1	38
2	4-Heptanone, 5,5-diethyl-2,2,3,3...	226	C15H30O	016424-67-2	37
3	2-Pentene, 5-butoxy-, (E)-	142	C9H18O	054004-23-8	35
4	Fumaric acid, 2,4,4-trimethylpen...	280	C16H24O4	1000405-60-0	32
5	Heptane, 2-iodo-	226	C7H15I	018589-29-2	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

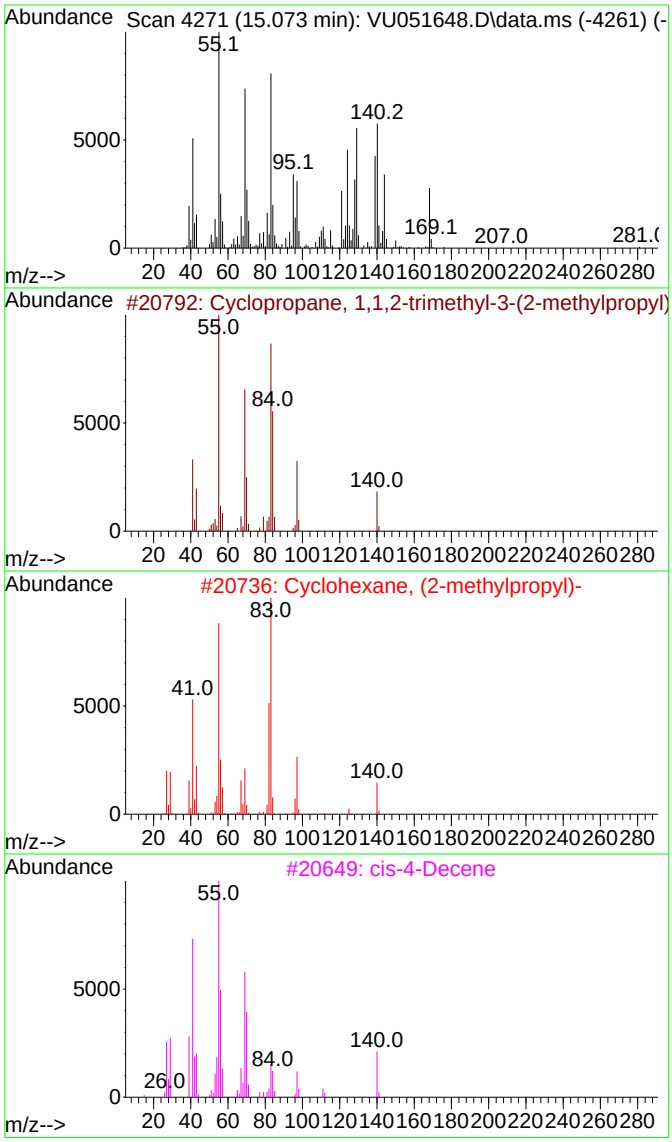
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

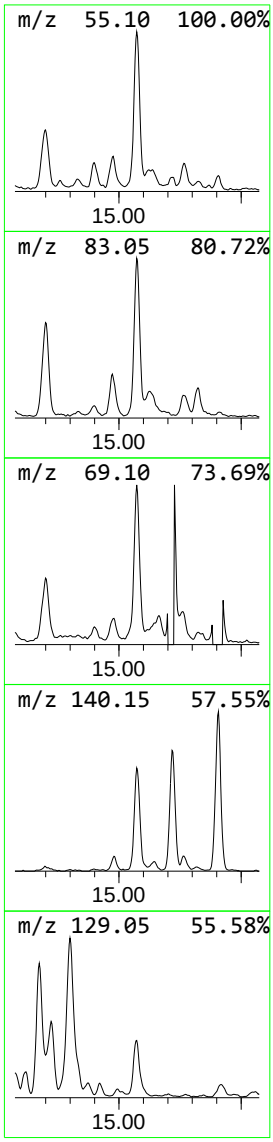
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic15.073 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.073	1.11 ug/L	542754	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1,2-trimethyl-3-...	140	C10H20	041977-43-9	49
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38
3	cis-4-Decene	140	C10H20	019398-88-0	30
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	30
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

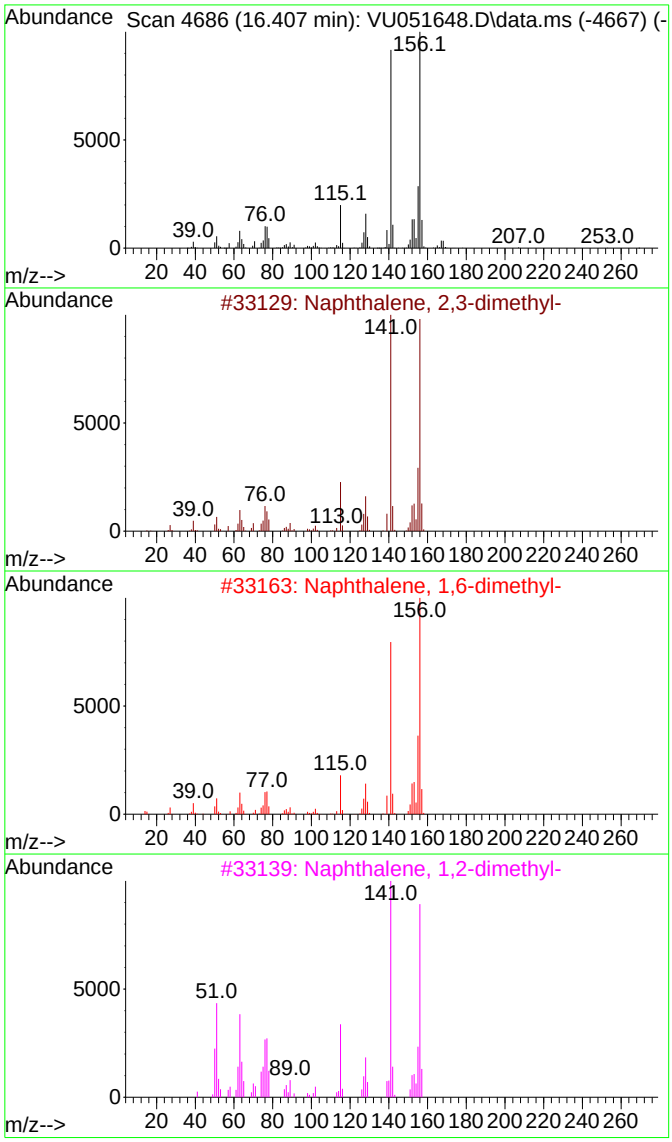
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

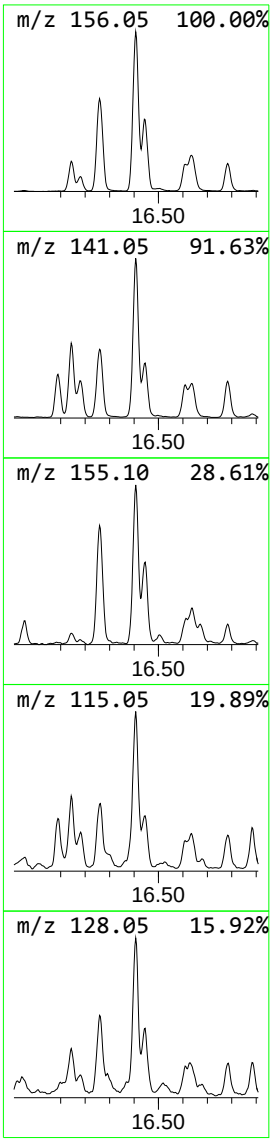
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Naphthalene, 2,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.407	1.71 ug/L	837396	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

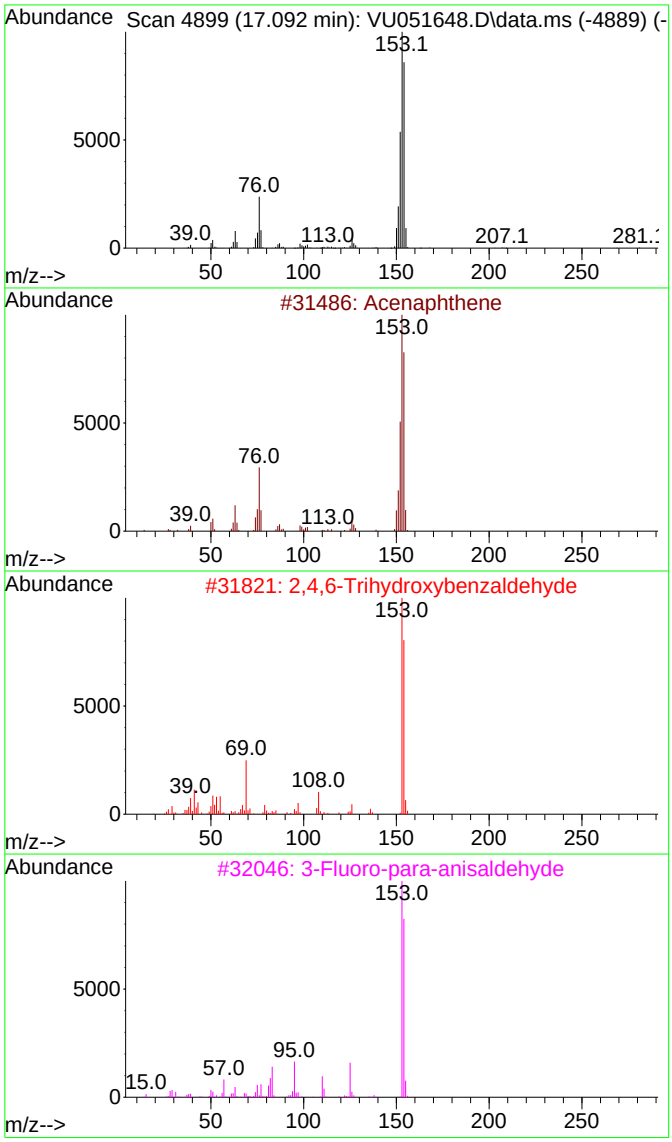
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

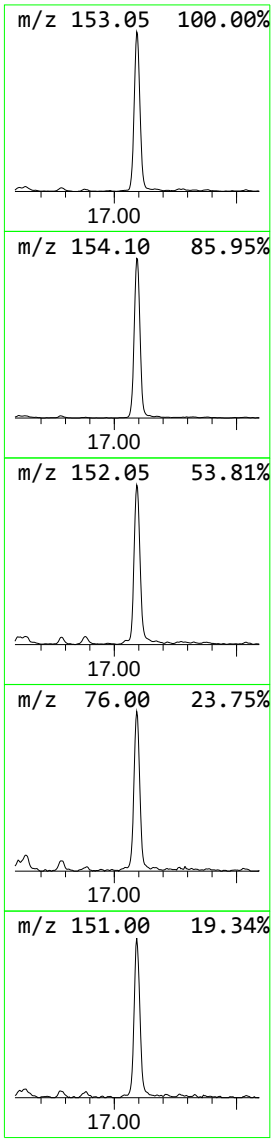
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 2,4,6-Trihydroxybenzaldehyde Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.092	1.34 ug/L	652961	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	70
2	2,4,6-Trihydroxybenzaldehyde	154	C7H6O4	000487-70-7	50
3	3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	50
4	Acenaphthene	154	C12H10	000083-32-9	46
5	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051648.D
Acq On : 01 Nov 2022 07:04
Operator : JC/MD
Sample : N5319-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.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
Aminomethanesul...	1.485	4.7	ug/L	562824	1	6.247	601090	5.0
Ethyl ether	2.375	20.6	ug/L	2474700	1	6.247	601090	5.0
Diisopropyl ether	3.989	27.7	ug/L	3324810	1	6.247	601090	5.0
Benzene, propyl-	10.902	4.2	ug/L	2032110	3	11.809	2442650	5.0
Benzene, 1-ethy...	10.996	2.3	ug/L	1107520	3	11.809	2442650	5.0
Benzene, 1-ethy...	11.288	4.3	ug/L	2074360	3	11.809	2442650	5.0
Benzene, 1-ethe...	11.539	1.0	ug/L	479822	3	11.809	2442650	5.0
Benzene, 1,2,3-...	11.893	9.3	ug/L	4520300	3	11.809	2442650	5.0
Indane	12.092	51.1	ug/L	24949600	3	11.809	2442650	5.0
Benzene, 2-ethy...	12.465	1.1	ug/L	529226	3	11.809	2442650	5.0
o-Cymene	12.568	3.2	ug/L	1555850	3	11.809	2442650	5.0
Indan, 1-methyl-	12.680	1.1	ug/L	550036	3	11.809	2442650	5.0
Benzene, 1-chlo...	12.774	1.4	ug/L	678940	3	11.809	2442650	5.0
m-Xylene, 5-chl...	12.819	1.9	ug/L	937541	3	11.809	2442650	5.0
Benzene, 1,2,4,...	12.970	1.9	ug/L	943235	3	11.809	2442650	5.0
Benzene, 1,2,3,...	13.024	1.9	ug/L	934945	3	11.809	2442650	5.0
1H-Indene, 2,3-...	13.291	4.4	ug/L	2170690	3	11.809	2442650	5.0
1-Phenyl-1-butene	13.449	4.7	ug/L	2284590	3	11.809	2442650	5.0
2-Methylindene	13.516	3.3	ug/L	1617460	3	11.809	2442650	5.0
Benzene, (1-met...	13.622	7.9	ug/L	3864810	3	11.809	2442650	5.0
Azulene	14.082	44.0	ug/L	21501900	3	11.809	2442650	5.0
Benzo[c]thiophene	14.204	1.5	ug/L	753677	3	11.809	2442650	5.0
unknown-01	14.703	2.4	ug/L	1193890	3	11.809	2442650	5.0
(DEL) Alkane: C...	15.073	1.1	ug/L	542754	3	11.809	2442650	5.0
Naphthalene, 2,...	16.407	1.7	ug/L	837396	3	11.809	2442650	5.0
2,4,6-Trihydrox...	17.092	1.3	ug/L	652961	3	11.809	2442650	5.0