LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

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\SFAMUTR122022WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU052576.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.359	3	6	24	rVB	796229	731145	4.74%	1.331%
2	1.591	69	78	95	rBV4	362250	634469	4.11%	1.155%
3	1.996	195	204	219	rVB	119550	167585	1.09%	0.305%
4	2.208	261	270	291	rVB3	163484	290549	1.88%	0.529%
5	2.568	366	382	397	rBV3	138201	248287	1.61%	0.452%
6	3.083	534	542	553	rVB2	127488	236184	1.53%	0.430%
7	3.356	611	627	650	rVB3	226597	499437	3.24%	0.909%
8	3.697	716	733	759	rVB	192755	434798	2.82%	0.792%
9	4.530	976	992	1008	rBV2	215672	514672	3.34%	0.937%
10	4.661	1009	1033	1075	rVB2	1017899	2699619	17.49%	4.914%
11	5.060	1142	1157	1182	rBV	143751	365094	2.37%	0.665%
12	5.378	1237	1256	1270	rBV6	294245	803522	5.21%	1.463%
13	5.459	1271	1281	1302	rVB4	86545	227047	1.47%	0.413%
14	5.591	1305	1322	1332	rBV	247010	546496	3.54%	0.995%
15	5.722	1345	1363	1388	rVB2	277945	740154	4.80%	1.347%
16	5.845	1388	1401	1412	rBV2	184531	389598	2.52%	0.709%
17	5.919	1413	1424	1433	rVV2	136126	270042	1.75%	0.492%
18	5.986	1433	1445	1474	rVB	274398	651771	4.22%	1.187%
19	6.131	1475	1490	1513	rBV	348828	662658	4.29%	1.206%
20	6.247	1513	1526	1534	rBV	229984	447817	2.90%	0.815%
21	6.539	1602	1617	1649	rBV	2064501	3957501	25.64%	7.204%
22	6.687	1650	1663	1670	rVV	191386	372685	2.41%	0.678%
23	6.758	1670	1685	1709	rVV2	900467	2212368	14.34%	4.027%
24	6.976	1741	1753	1767	rVB2	150562	270172	1.75%	0.492%
25	7.070	1767	1782	1797	rVB	151947	301406	1.95%	0.549%
26	7.230	1822	1832	1852	rVB3	195085	433674	2.81%	0.789%
27	7.391	1869	1882	1889	rBV	102525	219199	1.42%	0.399%
28	7.494	1905	1914	1922	rBV	203692	313862	2.03%	0.571%
29	7.655	1956	1964	1983	rVB	188246	376073	2.44%	0.685%
30	7.758	1984	1996	2011	rVB7	121963	259474	1.68%	0.472%
31	7.851	2011	2025	2031	rBV2	481236	887206	5.75%	1.615%
32	7.890	2032	2037	2050	rVB2	472155	795569	5.16%	1.448%
33	8.021	2068	2078	2086	rBV7	126475	301871	1.96%	0.550%
34	8.124	2106	2110	2119	rVB	162618	217199	1.41%	0.395%
35	8.237	2133	2145	2160	rVB4	347625	719926	4.67%	1.311%
36	8.362	2173	2184	2192	rBV2	173927	321957	2.09%	0.586%

LSC Area Percent Report

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Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GBQA6

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\SFAMUTR122022WMA.M
Title : TRACE VOA SFAM1.0

37	8.407	2192	2198	2211	rVB2	105323	196446	1.27%	0.358%
38	8.549	2228	2242	2257	rBV	9224758	15432440	100.00%	28.094%
39	8.629	2257	2267	2282	rVV	726249	1309307	8.48%	2.384%
40	8.803	2311	2321	2329	rVB5	156004	267820	1.74%	0.488%
41	8.861	2330	2339	2349	rBV	405366	654578	4.24%	1.192%
42	8.922	2349	2358	2368	rVV	326303	518092	3.36%	0.943%
43	9.066	2390	2403	2412	rBV5	134783	276404	1.79%	0.503%
44	9.160	2424	2432	2440	rBV4	115217	199263	1.29%	0.363%
45	9.208	2441	2447	2457	rVB3	101564	160089	1.04%	0.291%
46	9.330	2470	2485	2499	rVB2	160327	309721	2.01%	0.564%
47	9.414	2500	2511	2520	rBV	315775	530325	3.44%	0.965%
48	9.565	2549	2558	2571	rVB2	125101	223605	1.45%	0.407%
49	10.028	2688	2702	2720	rBV6	164338	436218	2.83%	0.794%
50	10.269	2756	2777	2792	rBV6	215105	559342	3.62%	1.018%
51	10.353	2793	2803	2823	rVB7	213925	522441	3.39%	0.951%
52	10.751	2917	2927	2936	rBV	192699	325059	2.11%	0.592%
53	10.806	2937	2944	2961	rVB5	93898	165617	1.07%	0.301%
54	10.899	2962	2973	2983	rBV	198569	333600	2.16%	0.607%
55	11.018	2994	3010	3018	rBV	165156	377642	2.45%	0.687%
56	11.288	3084	3094	3112	rVB3	97737	211826	1.37%	0.386%
57	11.462	3139	3148	3161	rBV	180945	292746	1.90%	0.533%
58	11.806	3242	3255	3269	rBV2	371484	638677	4.14%	1.163%
59	12.092	3334	3344	3352	rBV2	240913	412378	2.67%	0.751%
60	12.185	3362	3373	3390	rVB4	600756	1171282	7.59%	2.132%
61	12.462	3449	3459	3466	rBV	106366	179332	1.16%	0.326%
62	12.565	3480	3491	3499	rBV	420828	638513	4.14%	1.162%
63	12.677	3515	3526	3546	rBV3	316379	698265	4.52%	1.271%
64	12.967	3597	3616	3625	rBV	250059	432948	2.81%	0.788%
65	13.021	3625	3633	3649	rVB2	107838	196906	1.28%	0.358%
66	13.102	3649	3658	3664	rBV3	119809	213015	1.38%	0.388%
67	13.288	3708	3716	3725	rVB2	227871	324999	2.11%	0.592%
68	13.449	3757	3766	3781	rVB3	522967	949098	6.15%	1.728%
69	13.619	3811	3819	3841	rVB5	92402	207072	1.34%	0.377%
70	13.729	3841	3853	3860	rBV2	93077	159713	1.03%	0.291%
71	13.780	3860	3869	3877	rBV	201937	323403	2.10%	0.589%
72	13.831	3877	3885	3900	rBV5	213913	388957	2.52%	0.708%
73	13.934	3911	3917	3934	rVB2	216932	475494	3.08%	0.866%
74	14.282	4008	4025	4036	rBV6	95793	220803	1.43%	0.402%
75	14.478	4076	4086	4098	rBV	111404	184108	1.19%	0.335%
76	14.661	4132	4143	4168	rBV4	123232	293212	1.90%	0.534%

LSC Area Percent Report

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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

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\SFAMUTR122022WMA.M
Title : TRACE VOA SFAM1.0

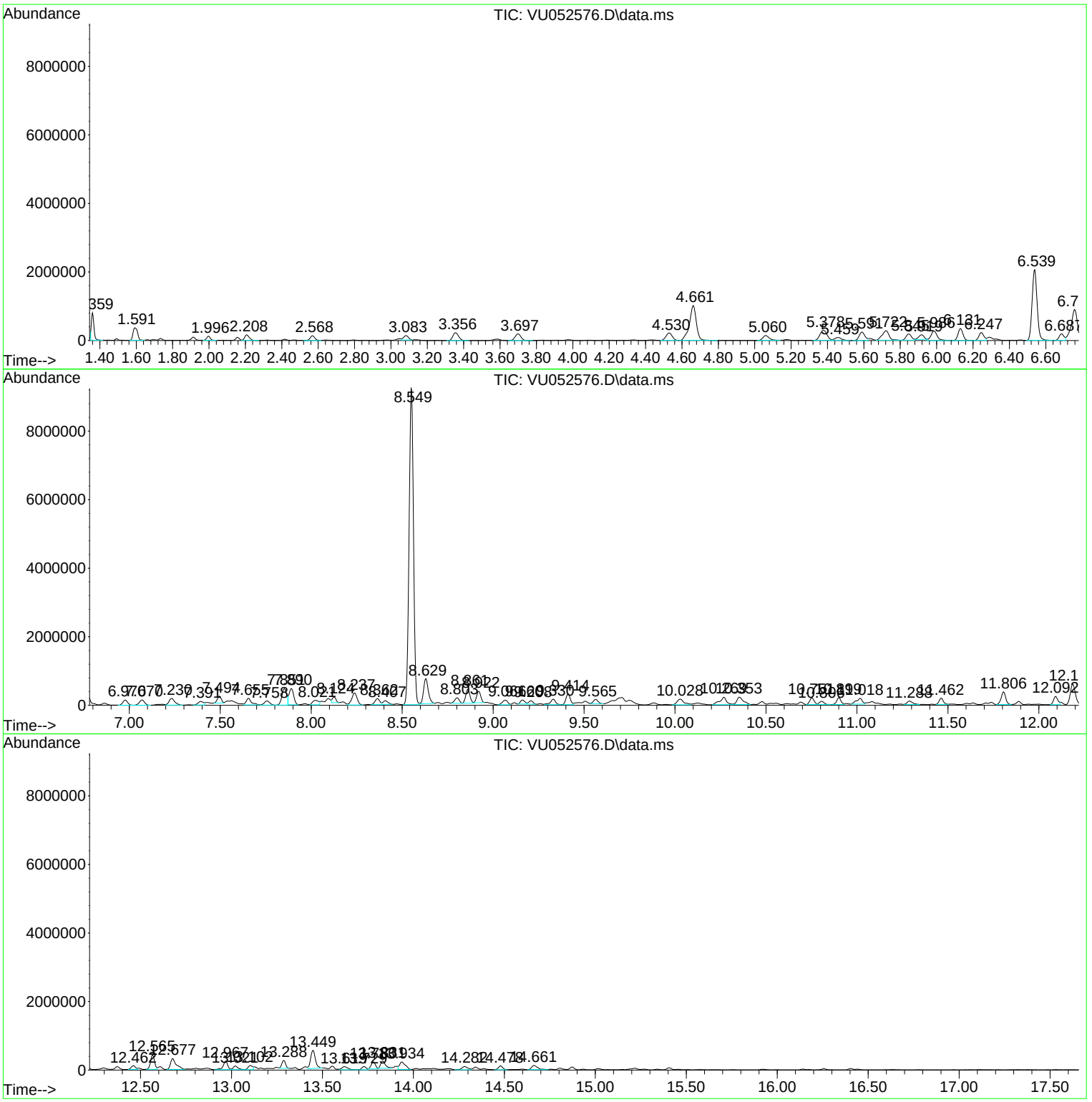
Sum of corrected areas: 54931842

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.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\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

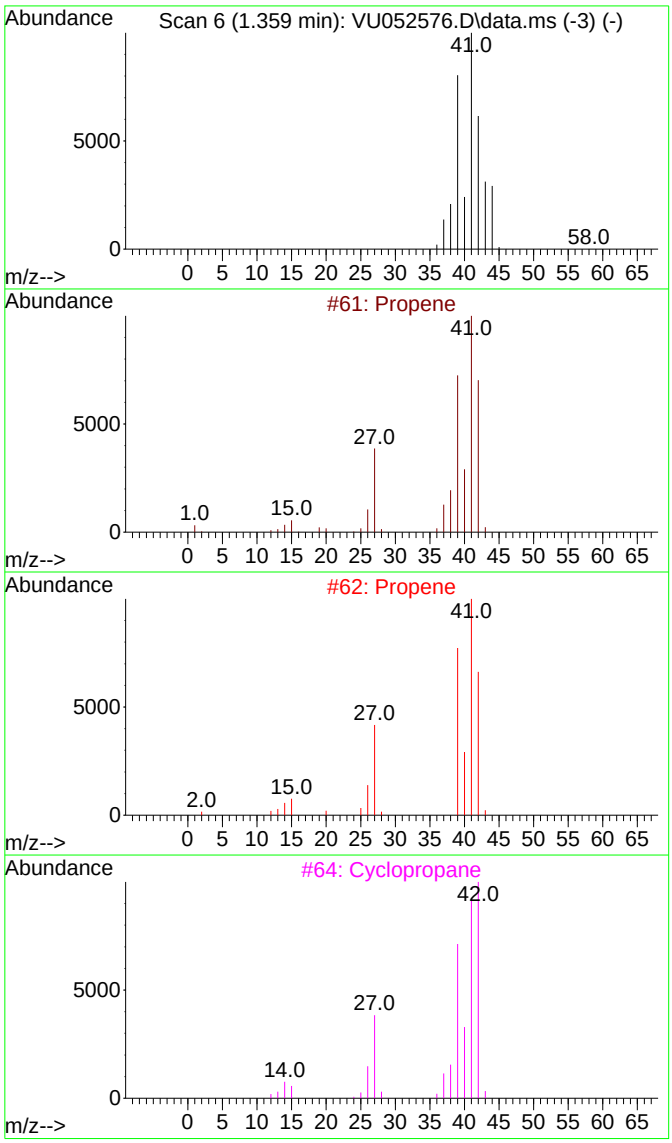
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

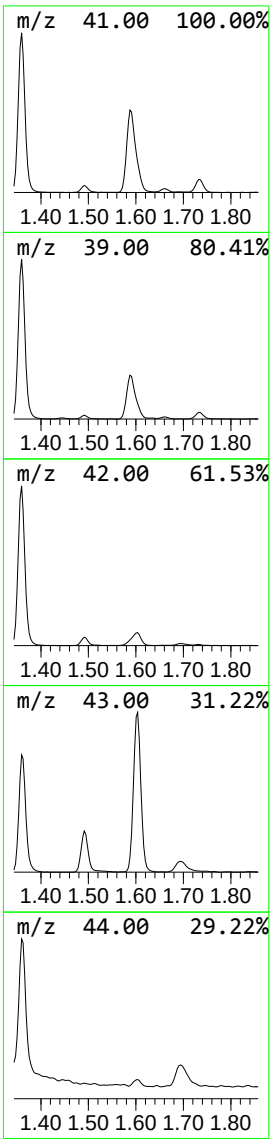
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.359	8.16 ug/L	731145	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropene	40	C3H4	002781-85-3	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

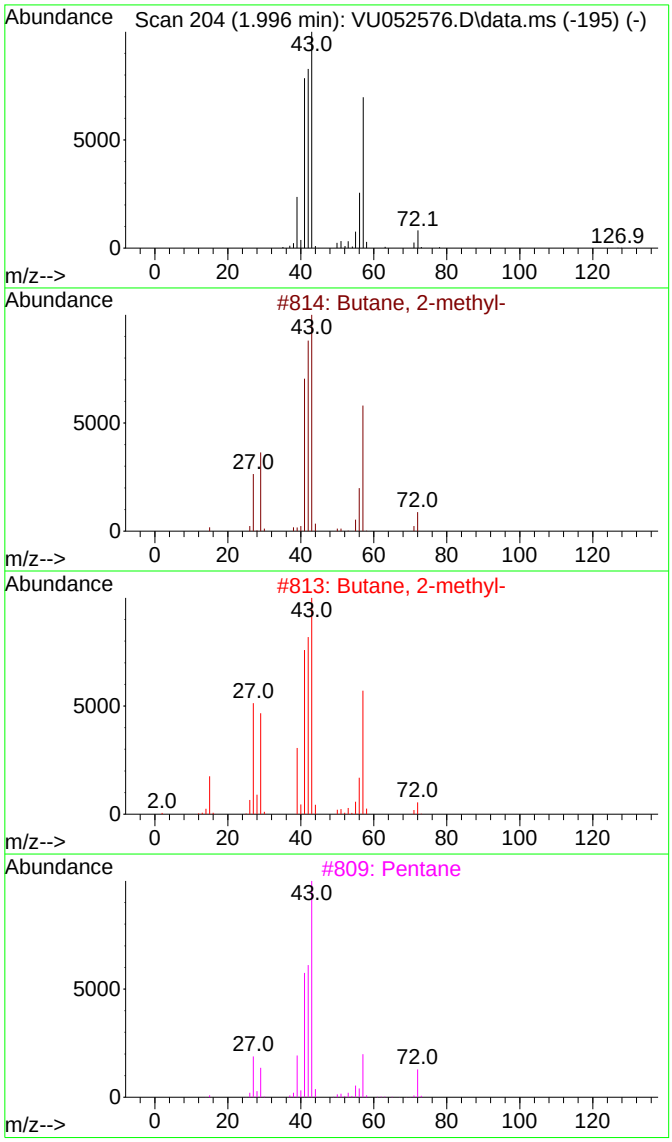
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

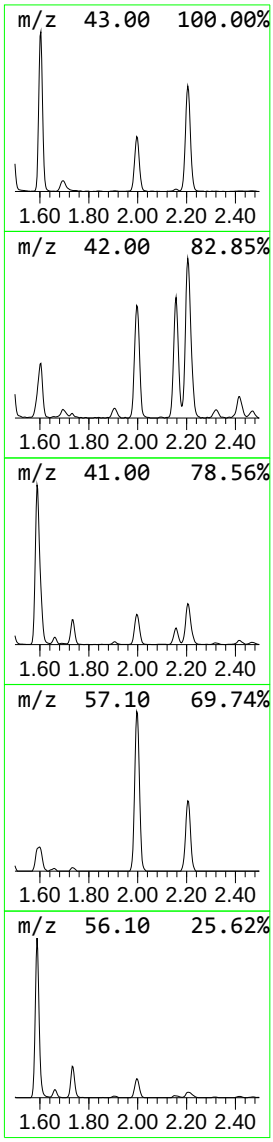
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.996	1.87 ug/L	167585	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	Pentane	72	C5H12	000109-66-0	39
4	3-Buten-1-ol	72	C4H8O	000627-27-0	38
5	1-Butene	56	C4H8	000106-98-9	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

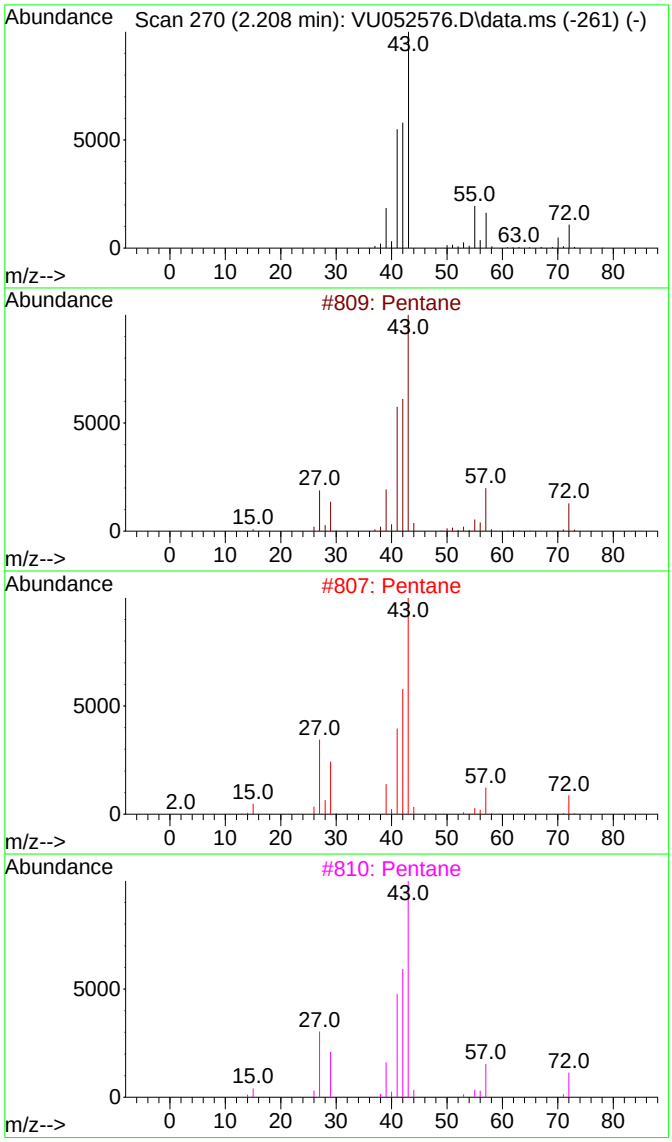
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

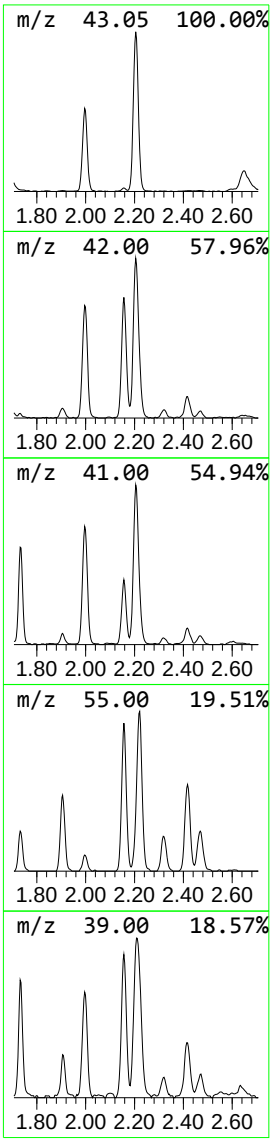
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.208	3.24 ug/L	290549	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	80
5	Pentane	72	C5H12	000109-66-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

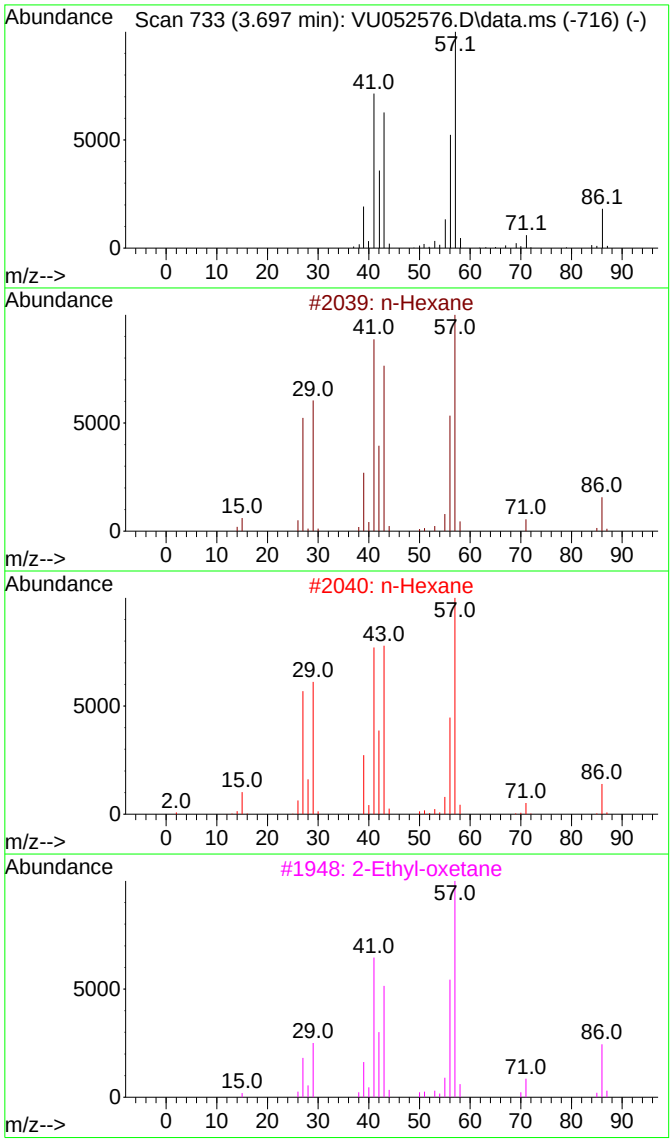
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

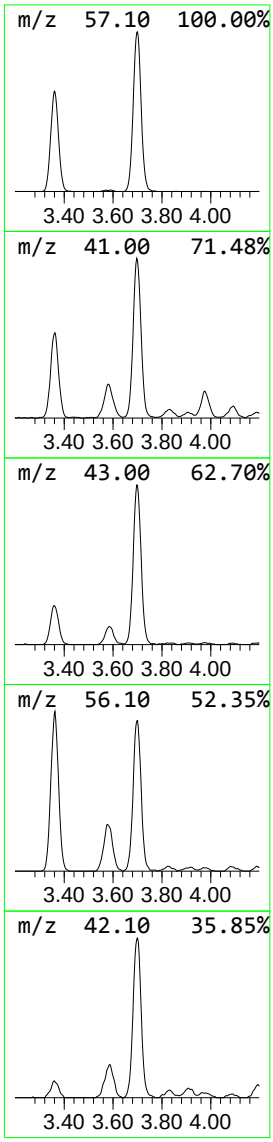
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.697	4.85 ug/L	434798	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	80
2	n-Hexane	86	C6H14	000110-54-3	78
3	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	78
4	n-Hexane	86	C6H14	000110-54-3	78
5	n-Hexane	86	C6H14	000110-54-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

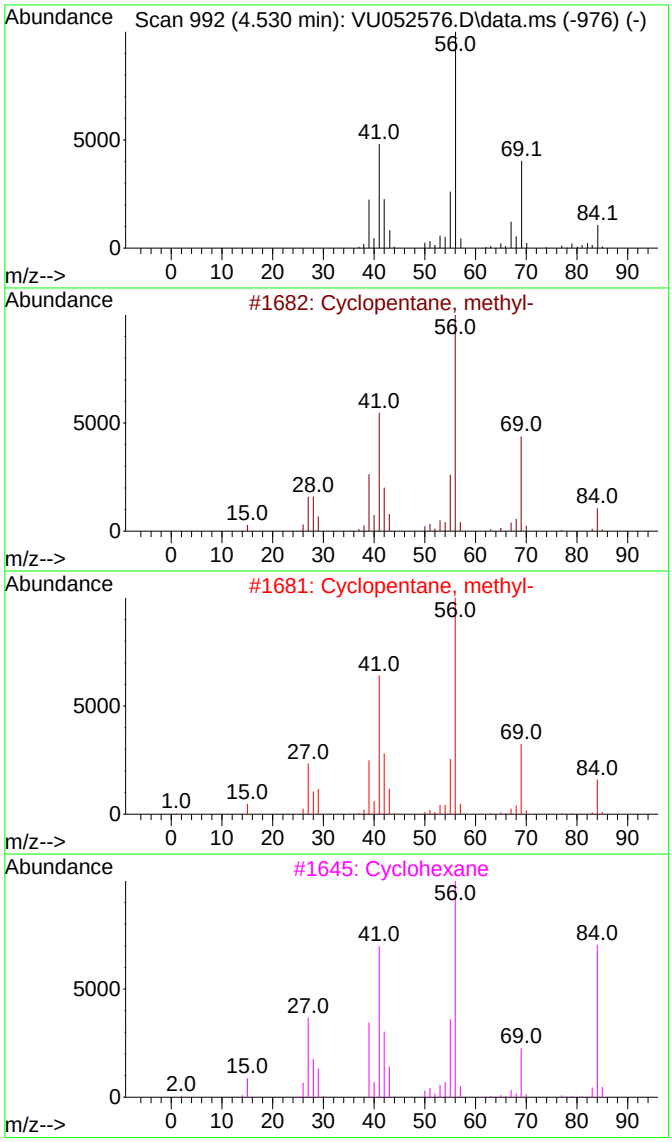
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

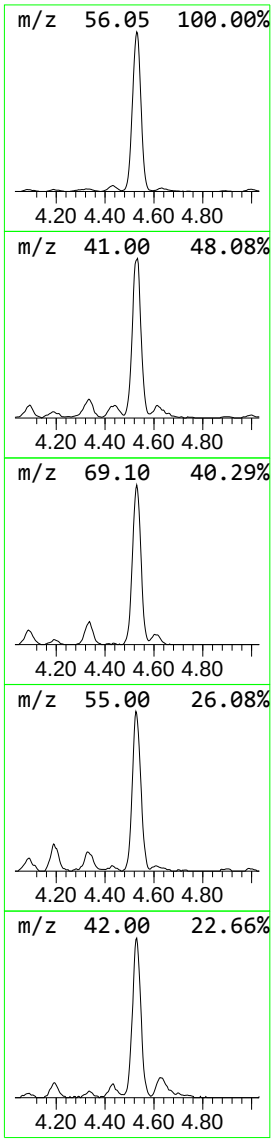
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic4.530 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.530	5.75 ug/L	514672	1,4-Difluorobenzene	6.247

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

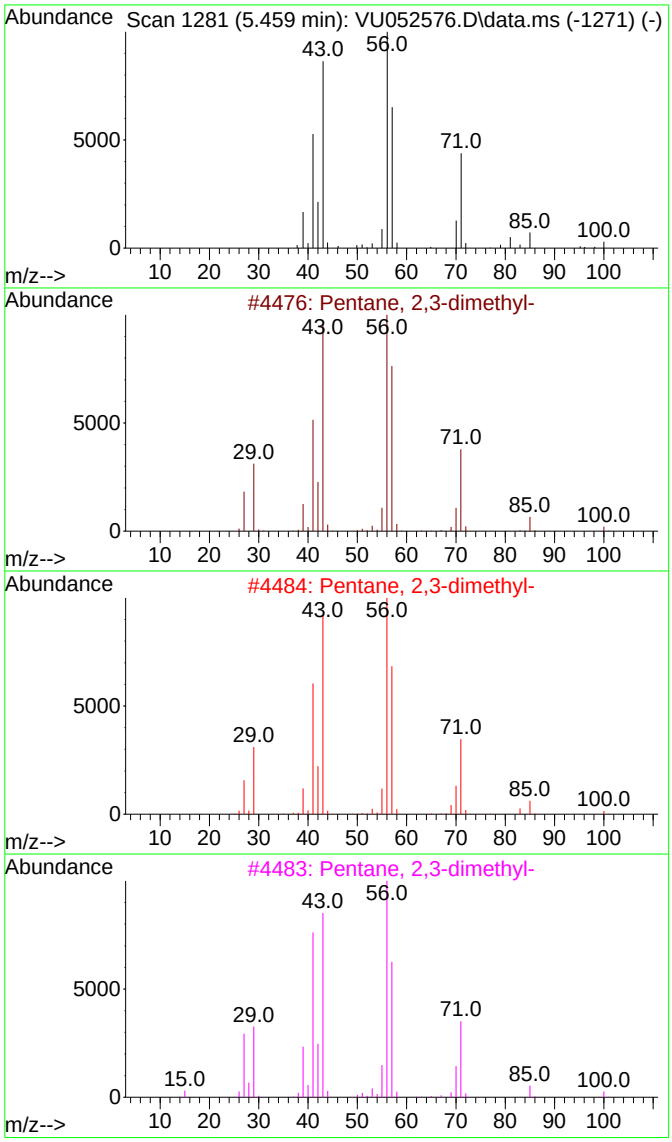
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

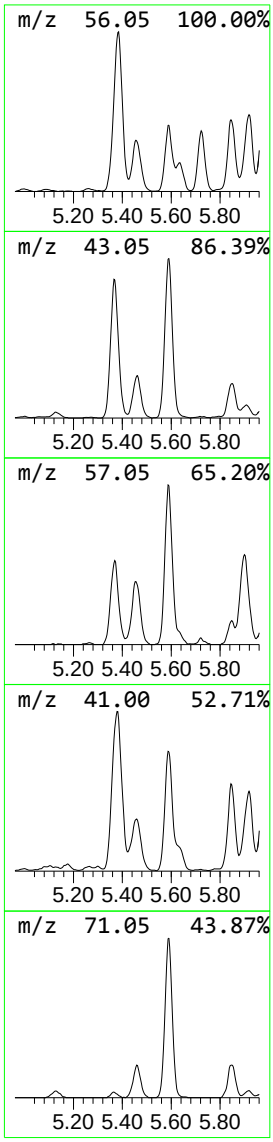
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.459	2.54 ug/L	227047	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	45
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

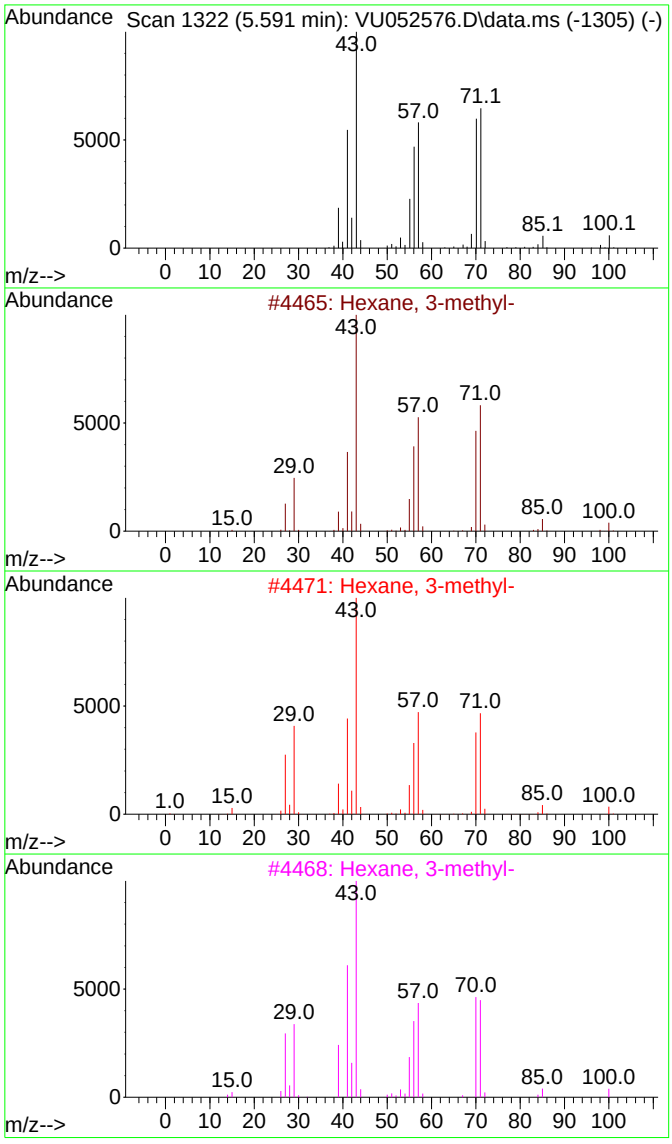
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

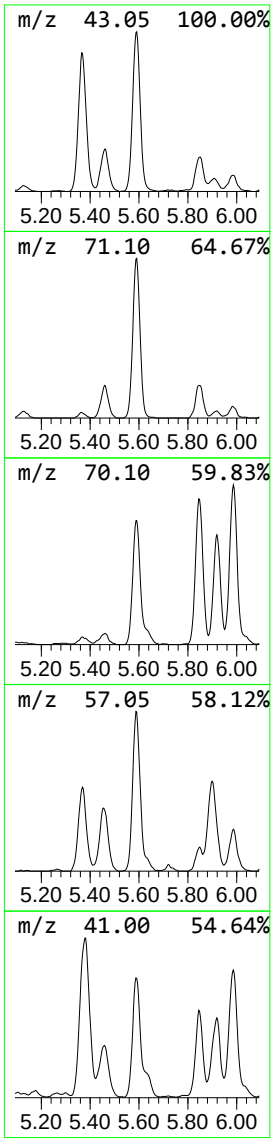
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.591	6.10 ug/L	546496	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4	Heptane	100	C7H16	000142-82-5	58
5	Heptane	100	C7H16	000142-82-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

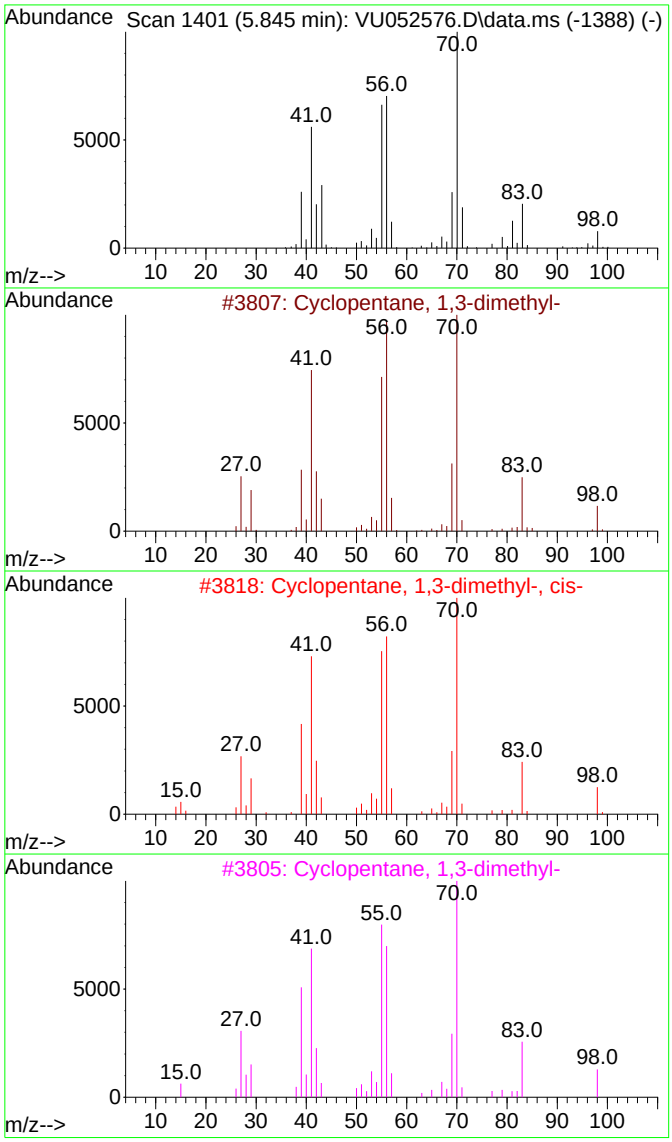
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

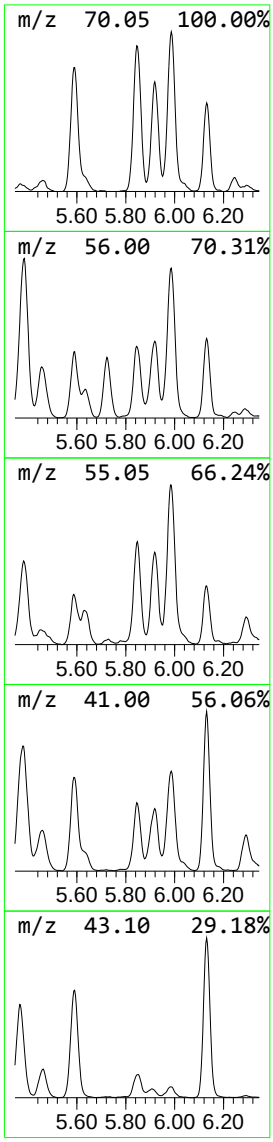
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic5.845 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.845	4.35 ug/L	389598	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	92
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

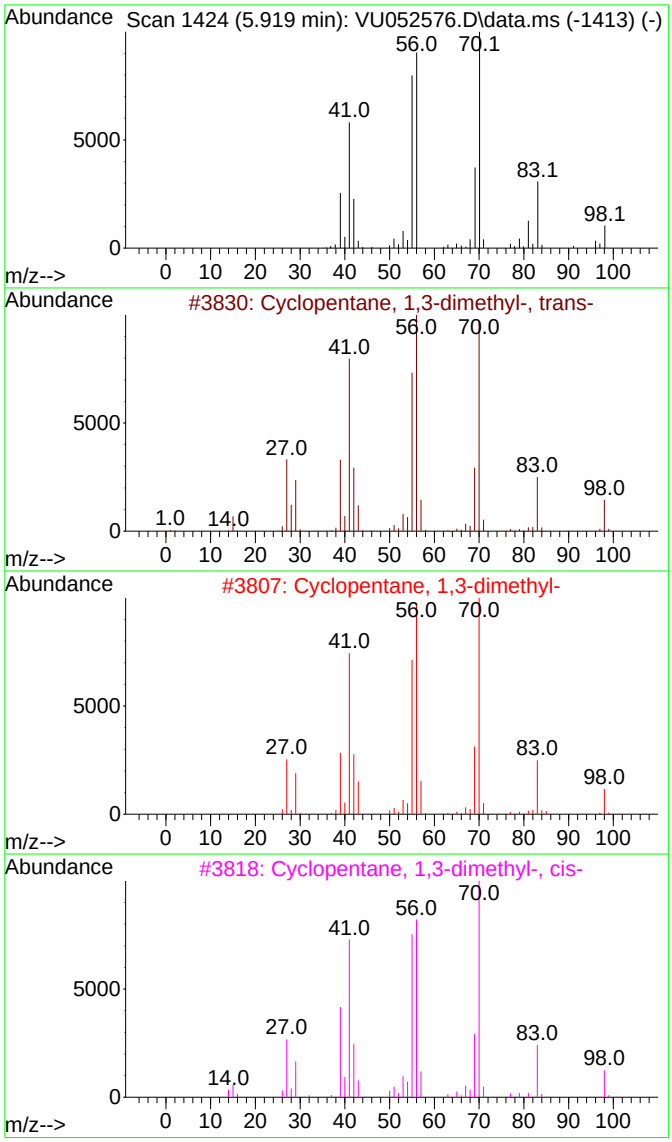
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

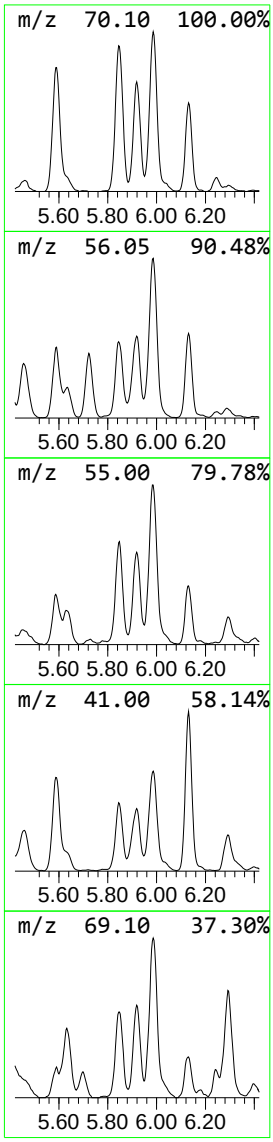
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic5.919 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.919	3.02 ug/L	270042	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	87
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

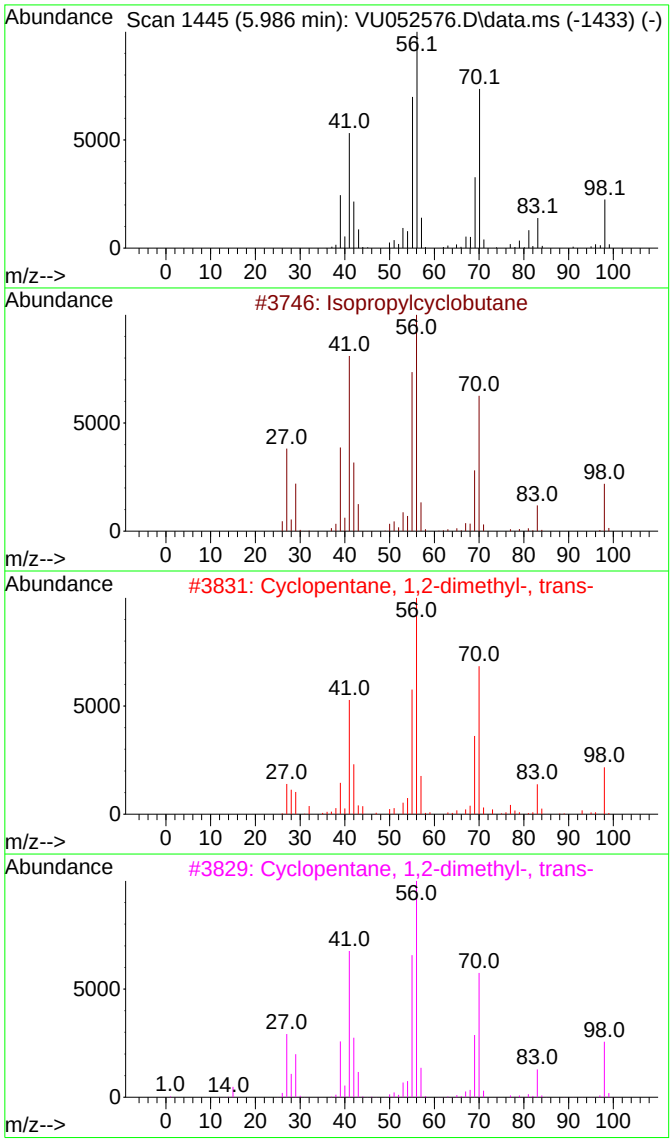
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

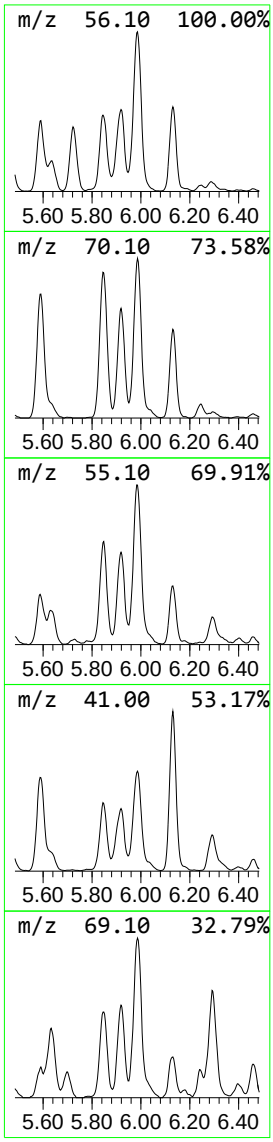
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic5.986 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.986	7.28 ug/L	651771	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

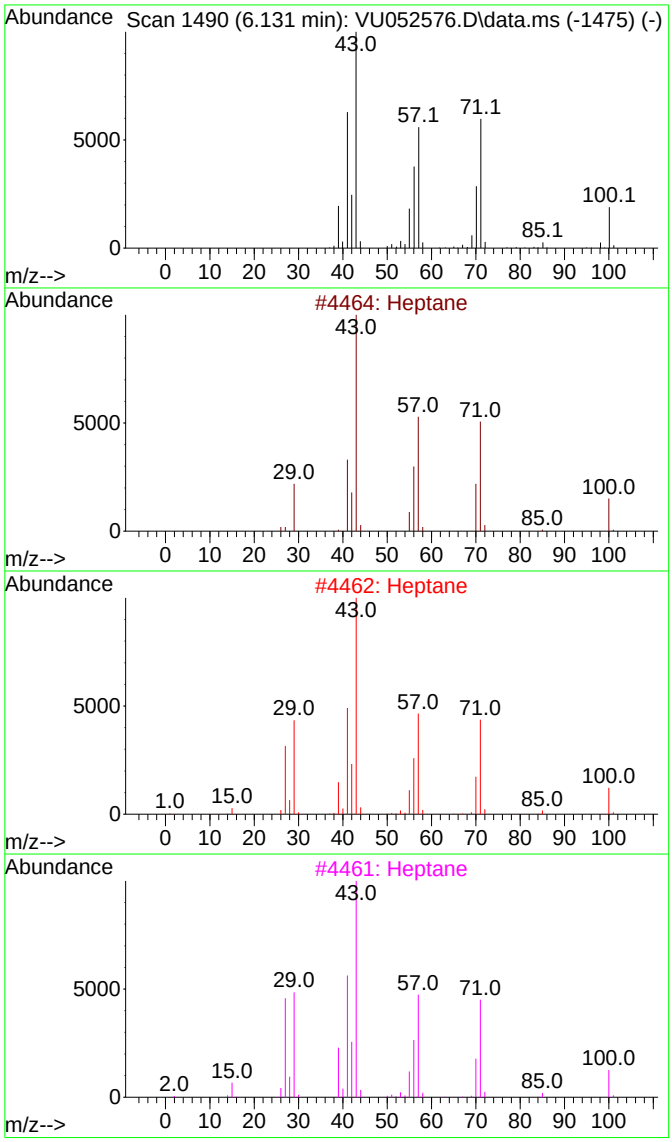
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

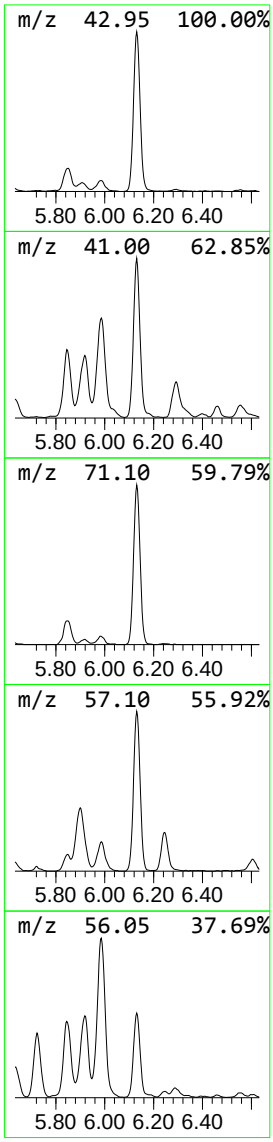
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.131	7.40 ug/L	662658	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	62
3	Heptane	100	C7H16	000142-82-5	58
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

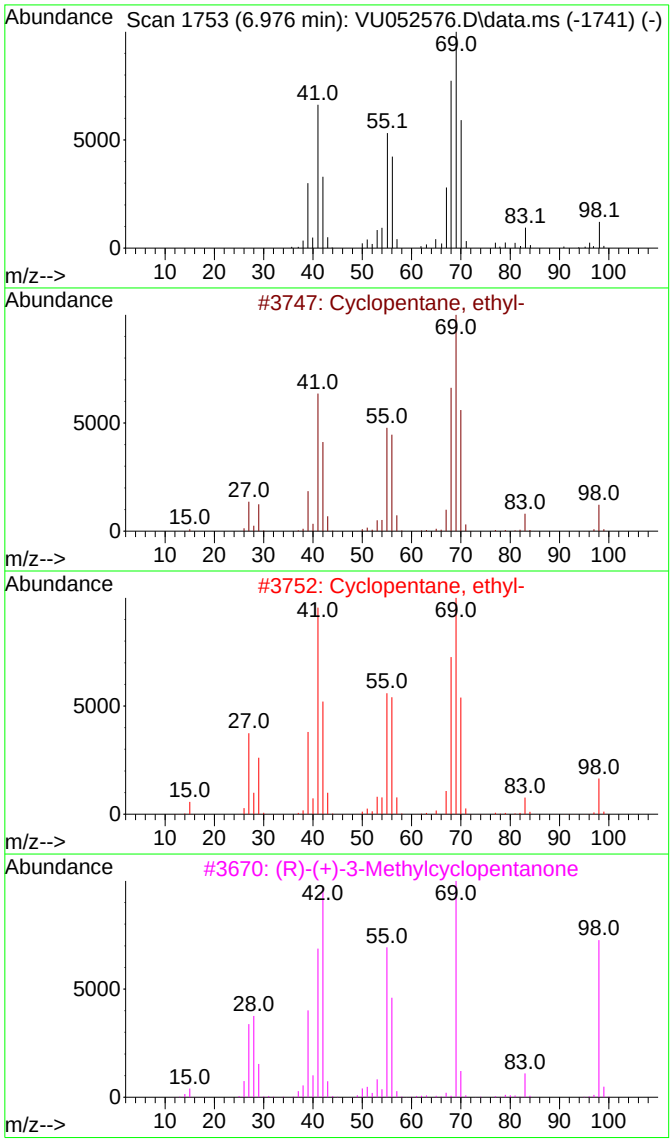
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

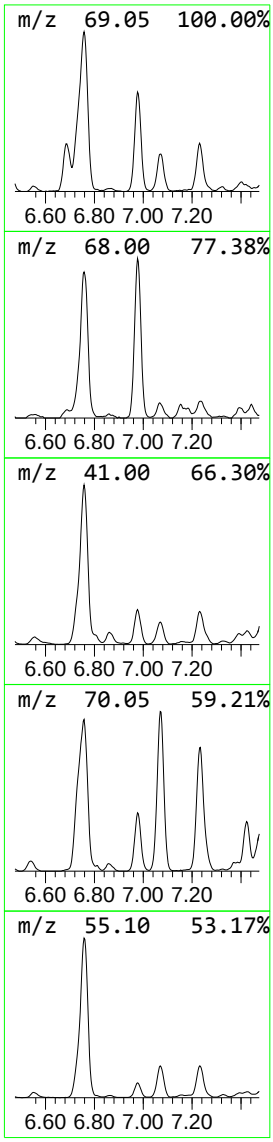
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic6.976 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.976	3.02 ug/L	270172	1,4-Difluorobenzene	6.247

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	87
3	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	46
4	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46
5	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

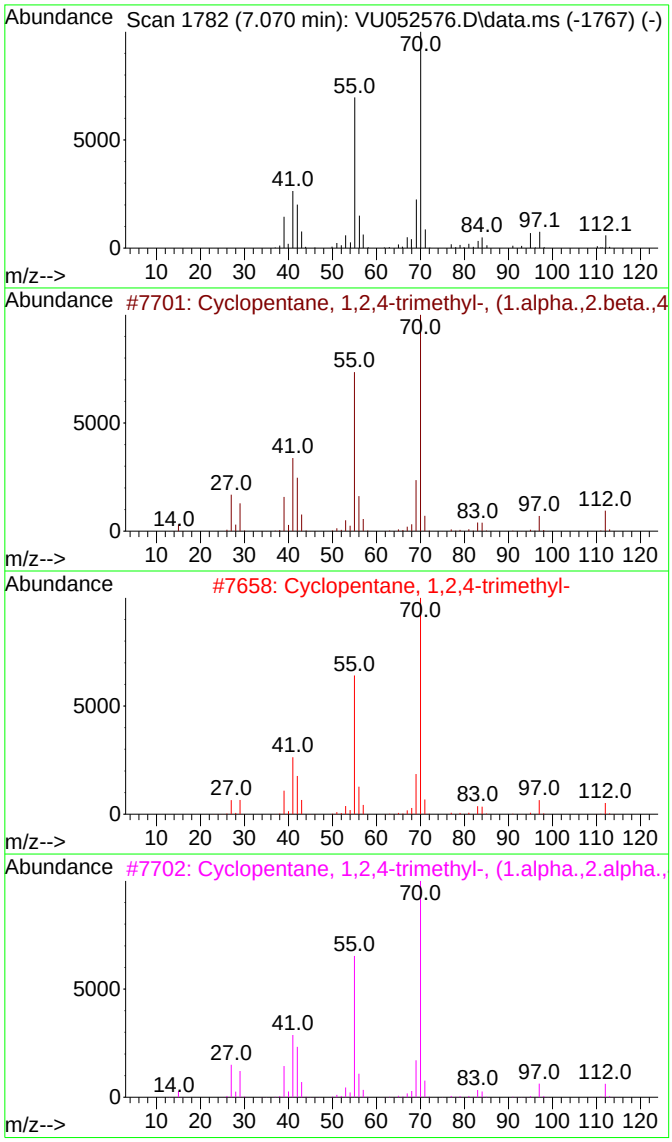
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

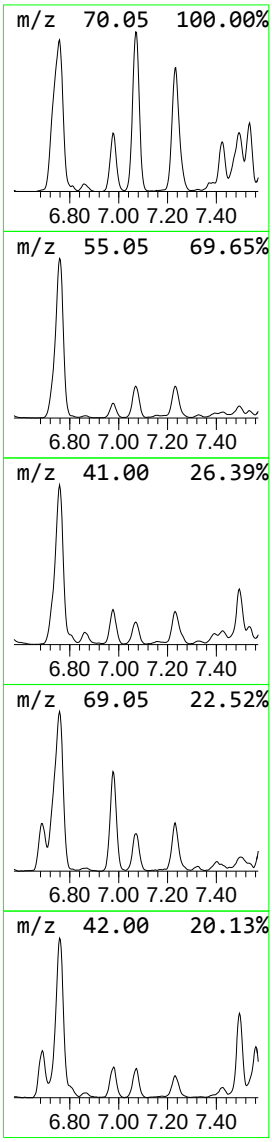
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic7.070 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.070	3.37 ug/L	301406	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

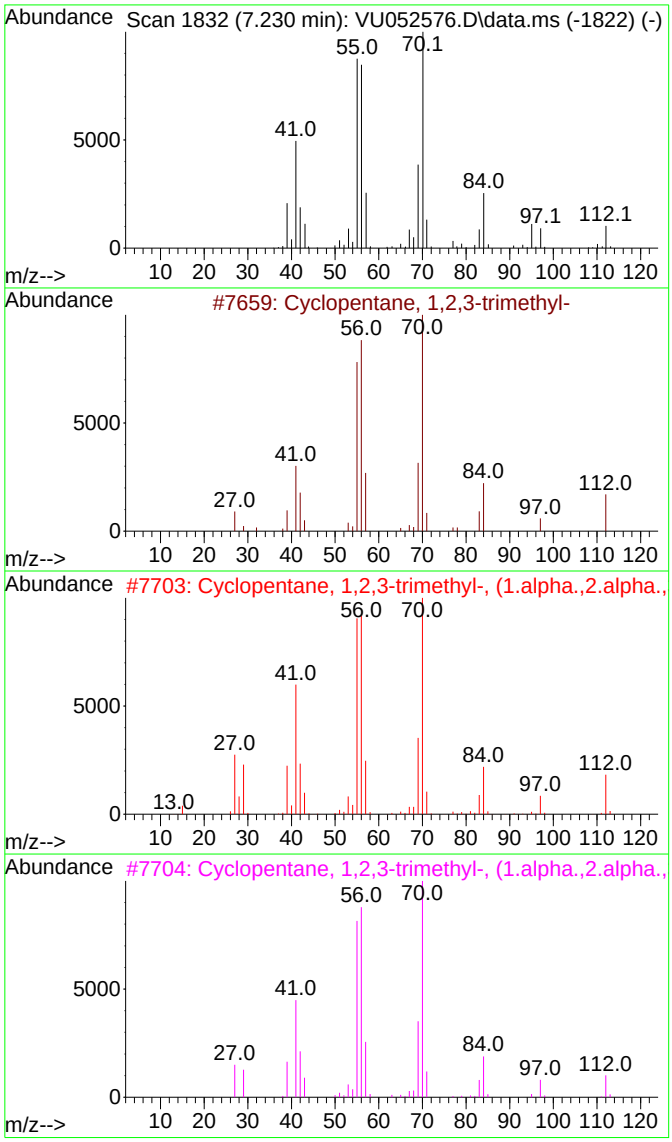
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

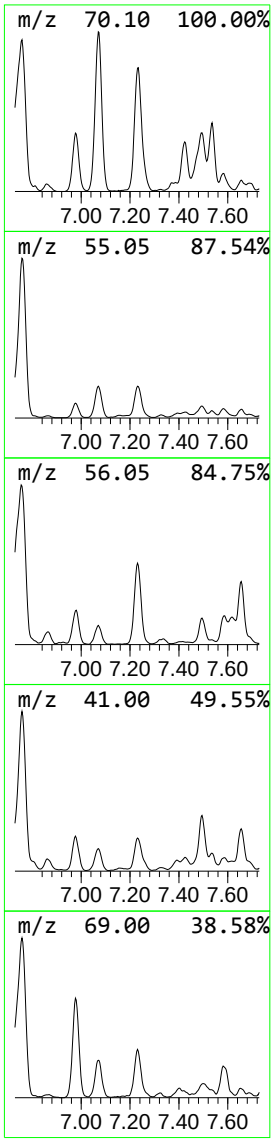
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic7.230 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.230	4.84 ug/L	433674	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	87
5	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

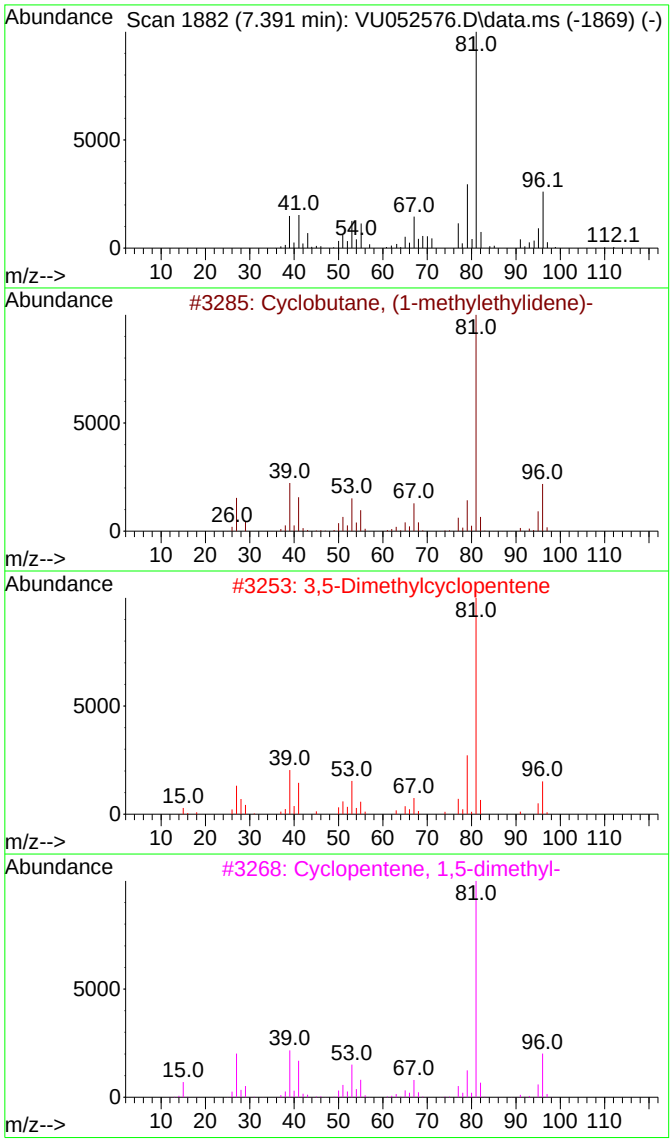
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

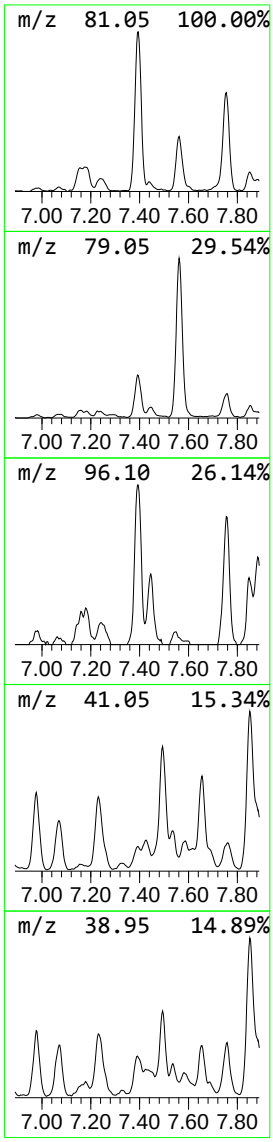
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclobutane, (1-methylethyl... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.391	2.45 ug/L	219199	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	87
2	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	86
3	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	83
4	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	80
5	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

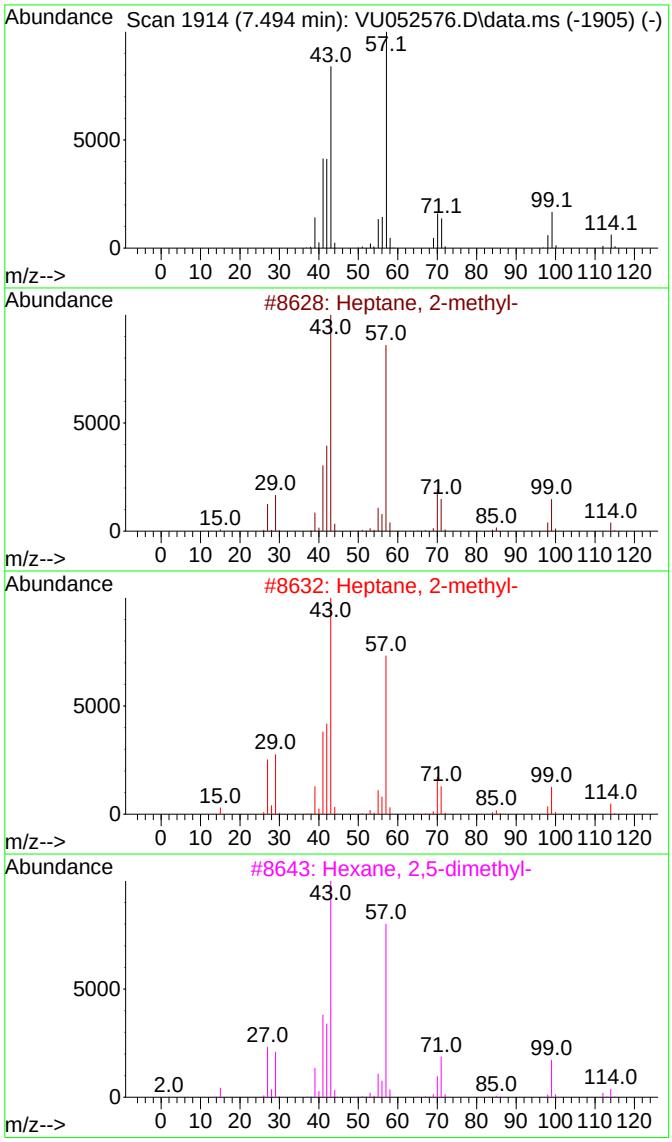
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

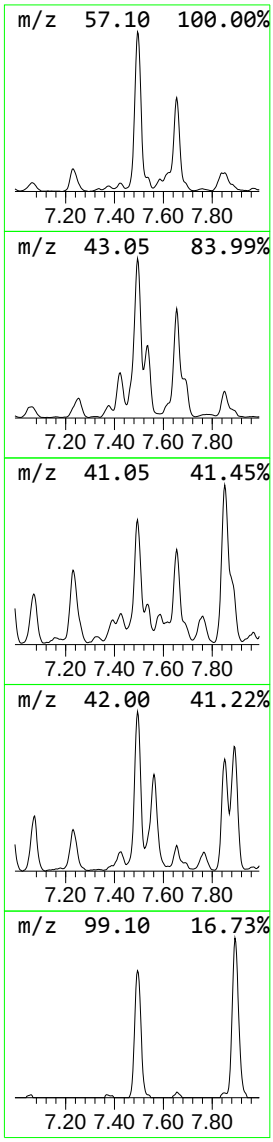
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.494	3.50 ug/L	313862	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	80
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	58
5	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

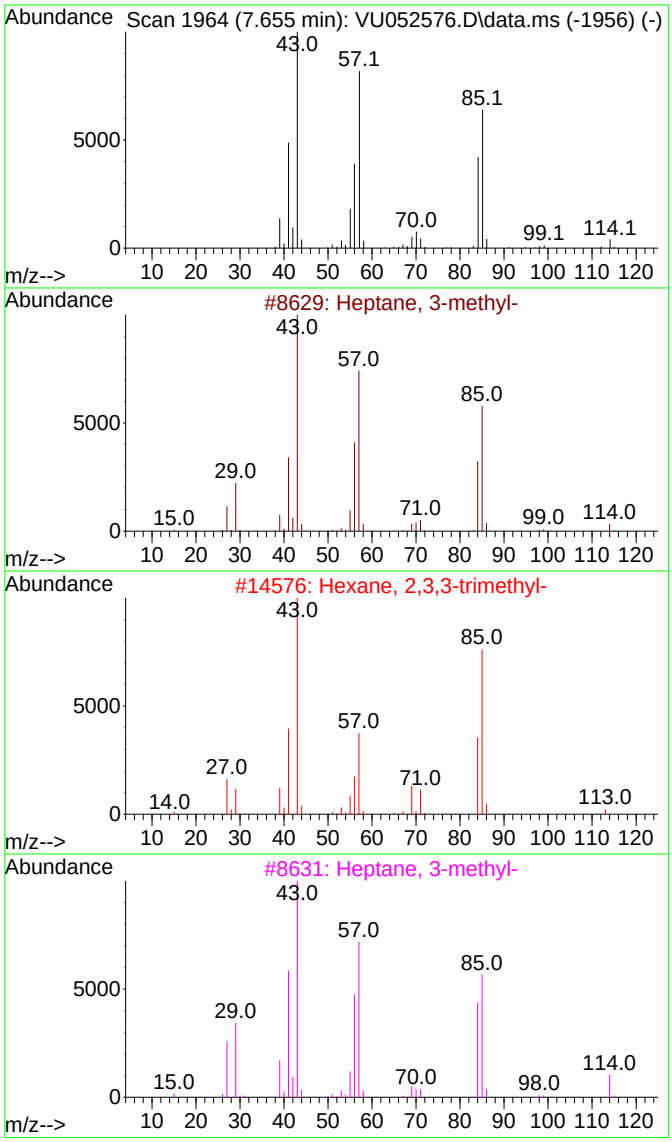
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

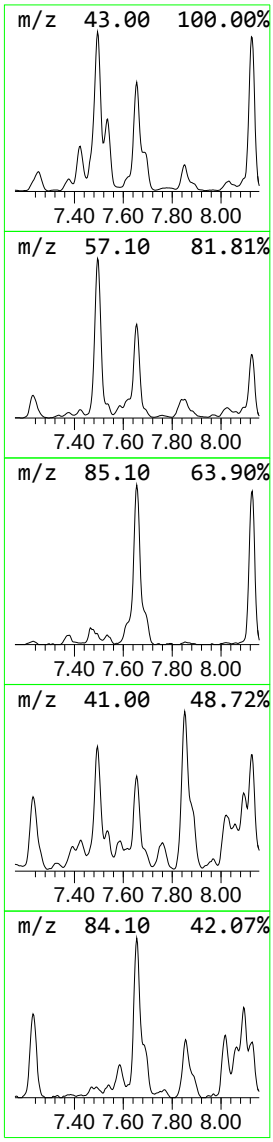
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.655	4.20 ug/L	376073	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	72
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	68
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	68
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

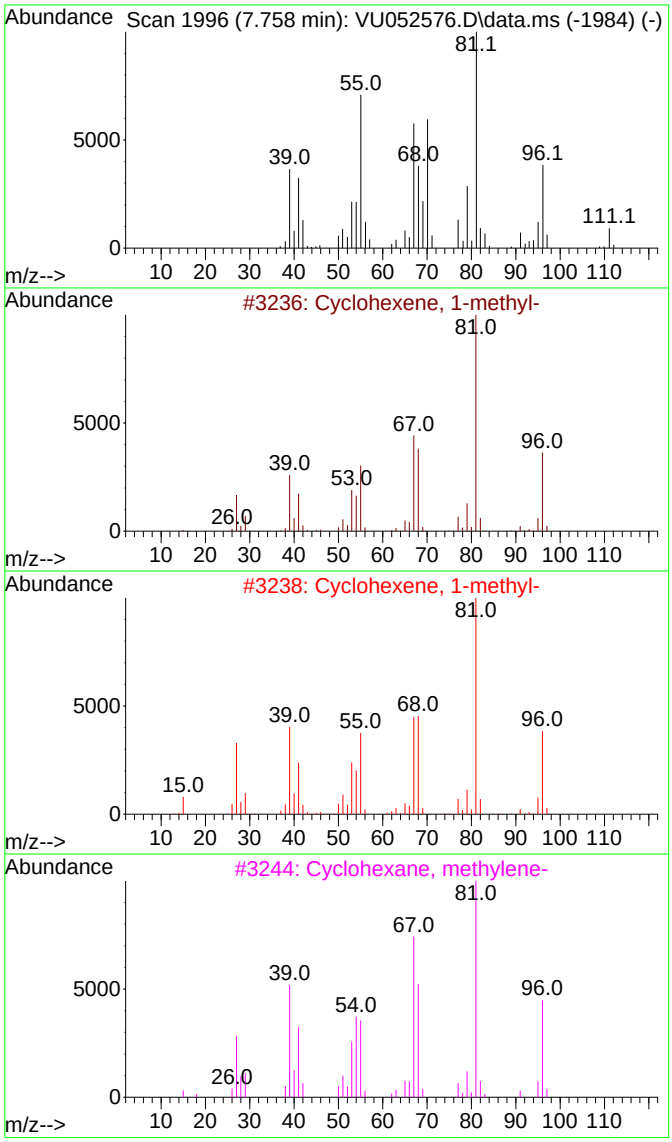
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

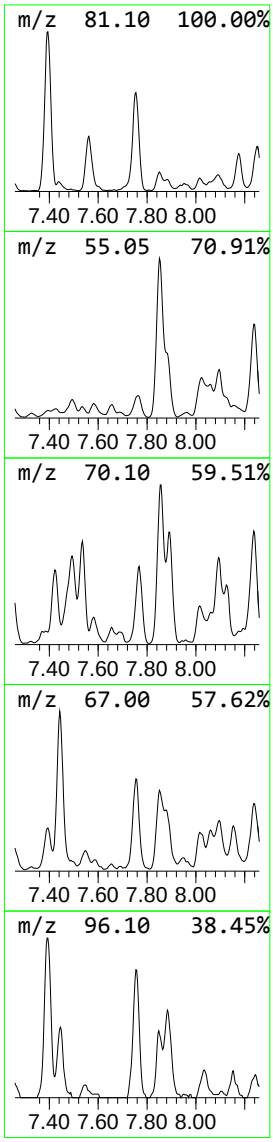
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclohexene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.758	2.90 ug/L	259474	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	81
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	76
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	76





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

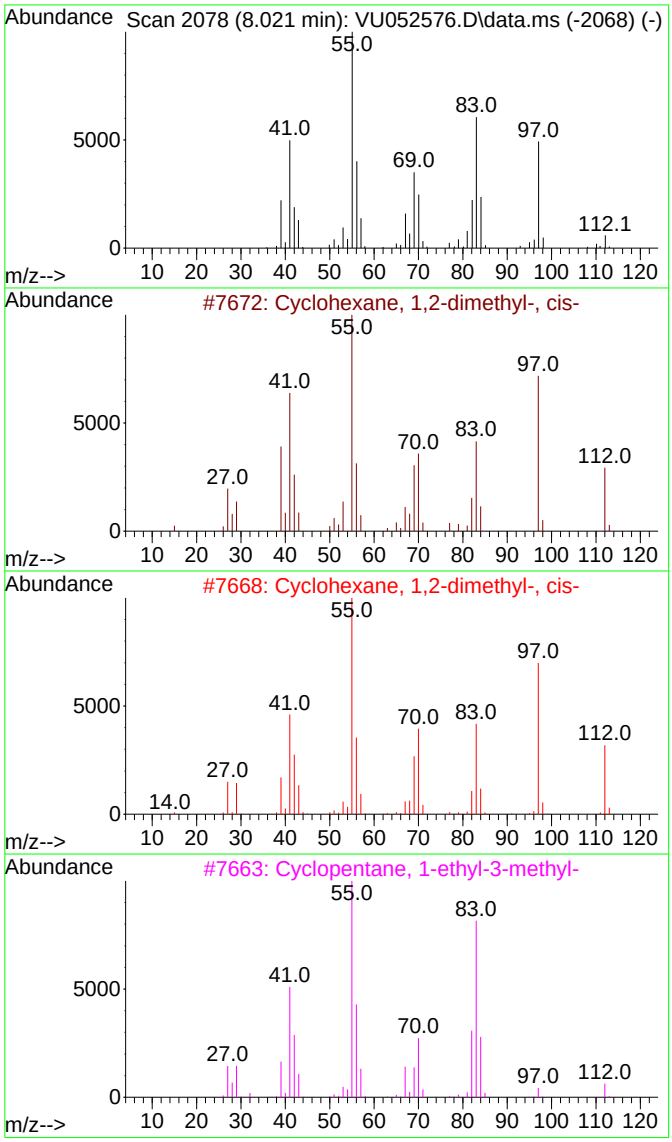
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

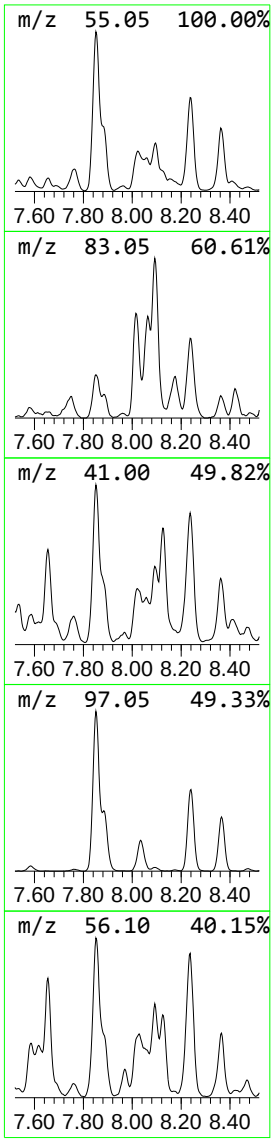
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic8.021 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.021	2.85 ug/L	301871	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	74
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	72
3	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	70
4	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	53
5	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	53





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

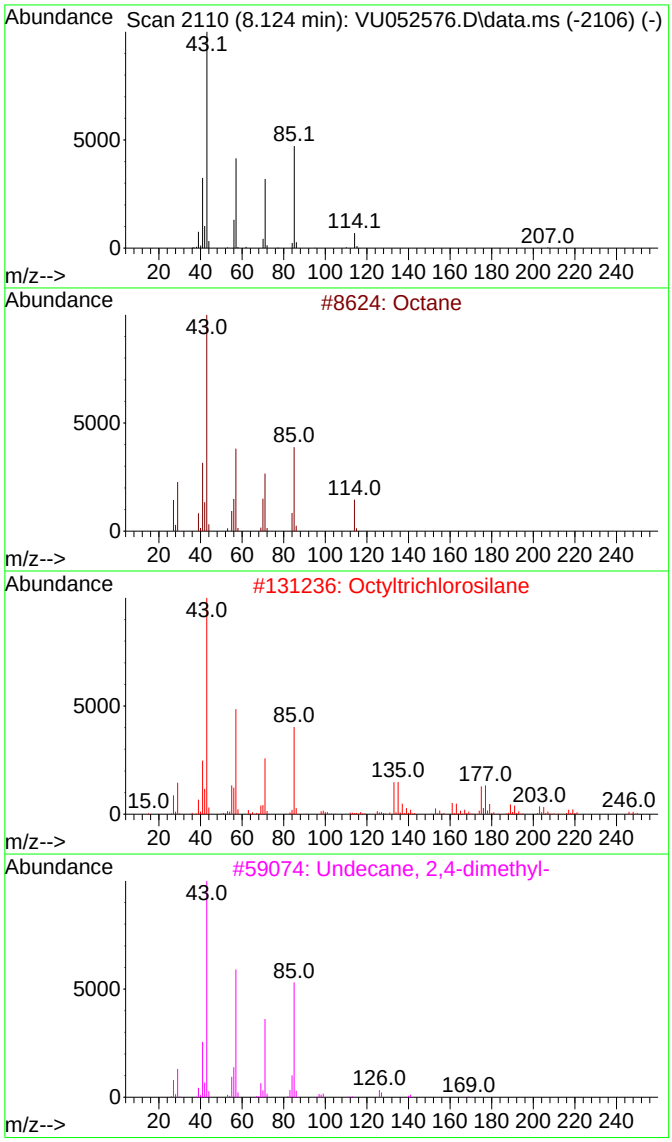
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

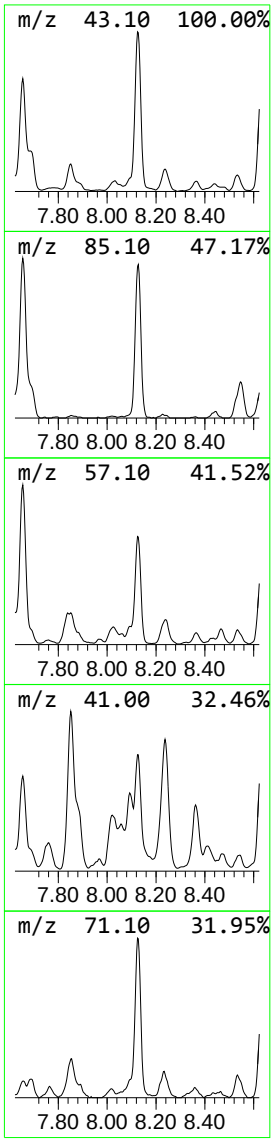
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.124	2.05 ug/L	217199	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	90
2	Octyltrichlorosilane	246	C8H17Cl3Si	005283-66-9	78
3	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	78
4	Octane	114	C8H18	000111-65-9	72
5	2,4-Dimethyldodecane	198	C14H30	006117-99-3	64





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

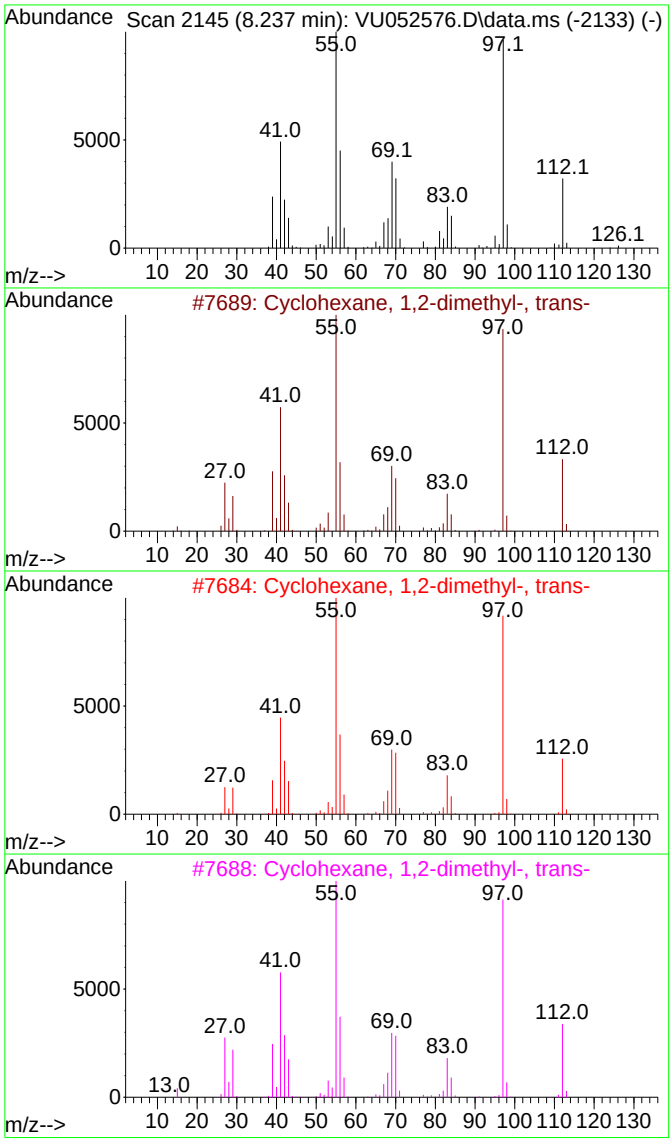
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

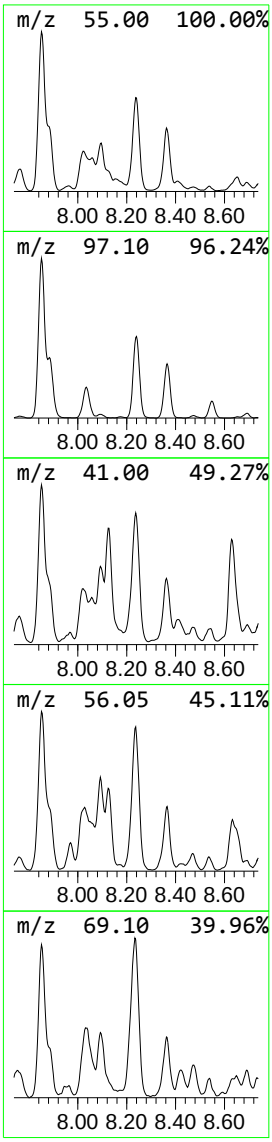
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic8.237 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.237	6.79 ug/L	719926	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	97
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	97
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

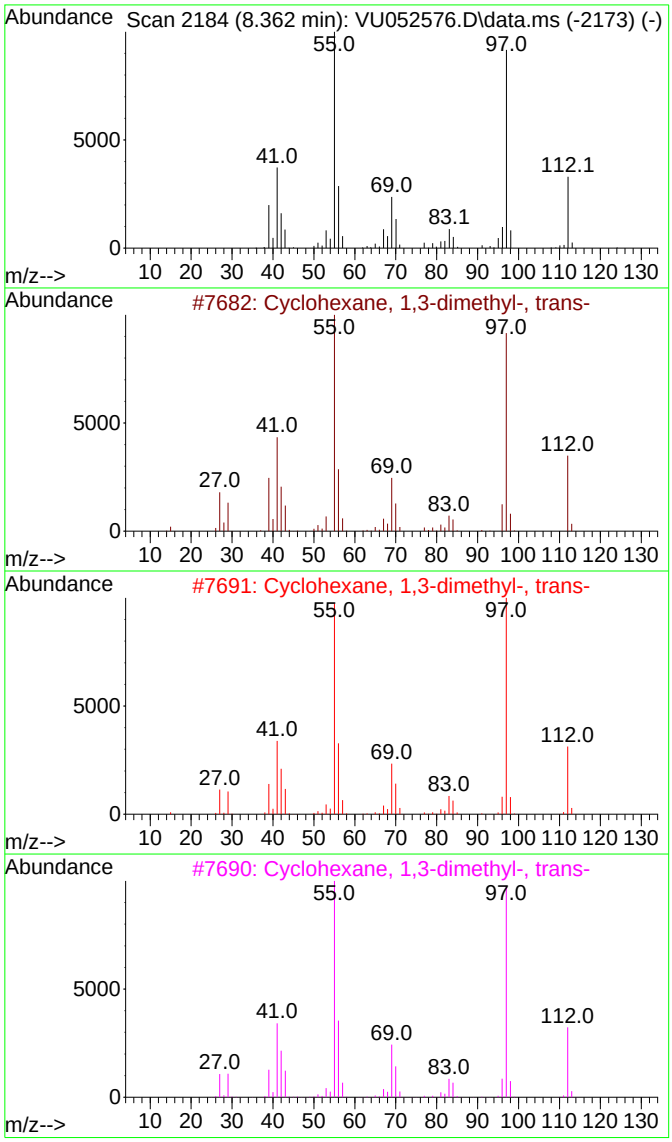
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

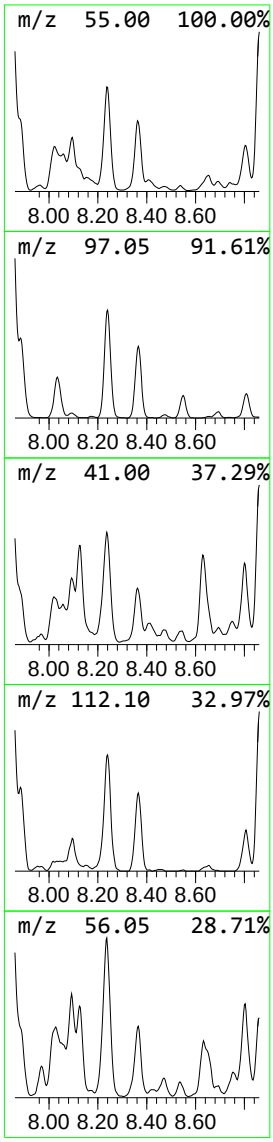
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic8.362 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.362	3.04 ug/L	321957	Chlorobenzene-d5	9.414

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, 1,4-dimethyl-	112	C8H16	000589-90-2	95
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94





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Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

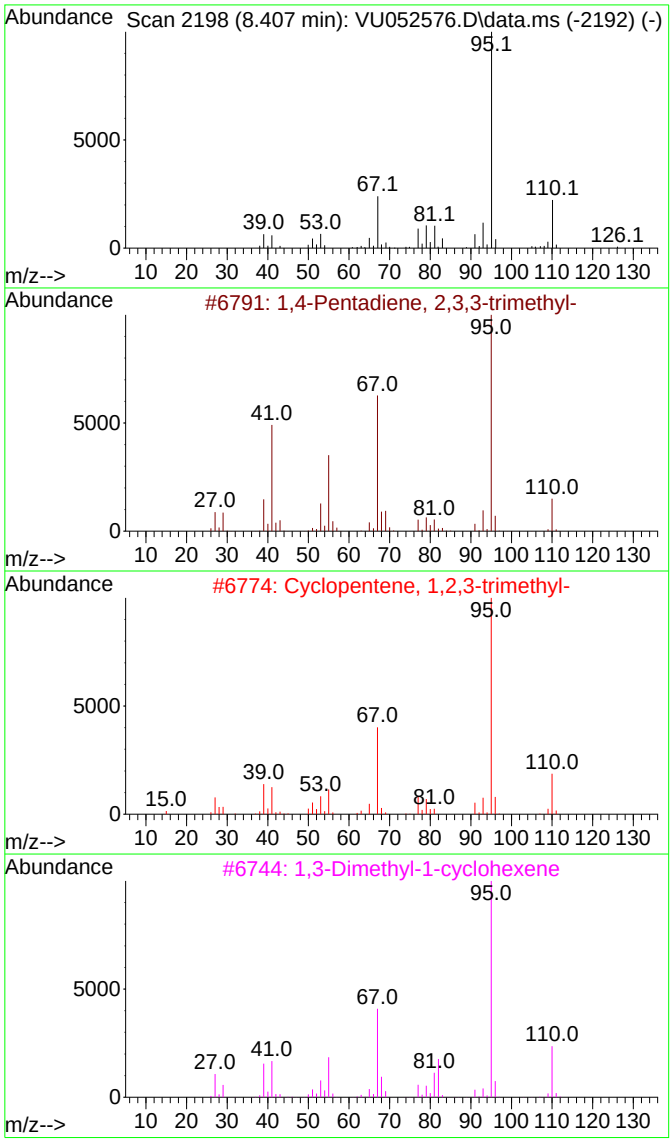
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

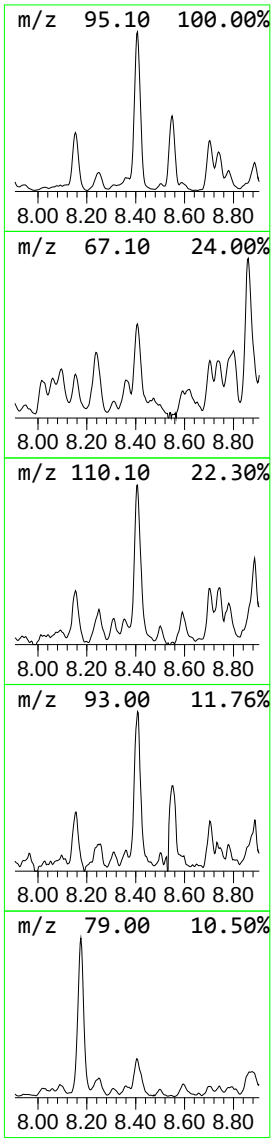
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 1,4-Pentadiene, 2,3,3-trime... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.407	1.85 ug/L	196446	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	72
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	64
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	64





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

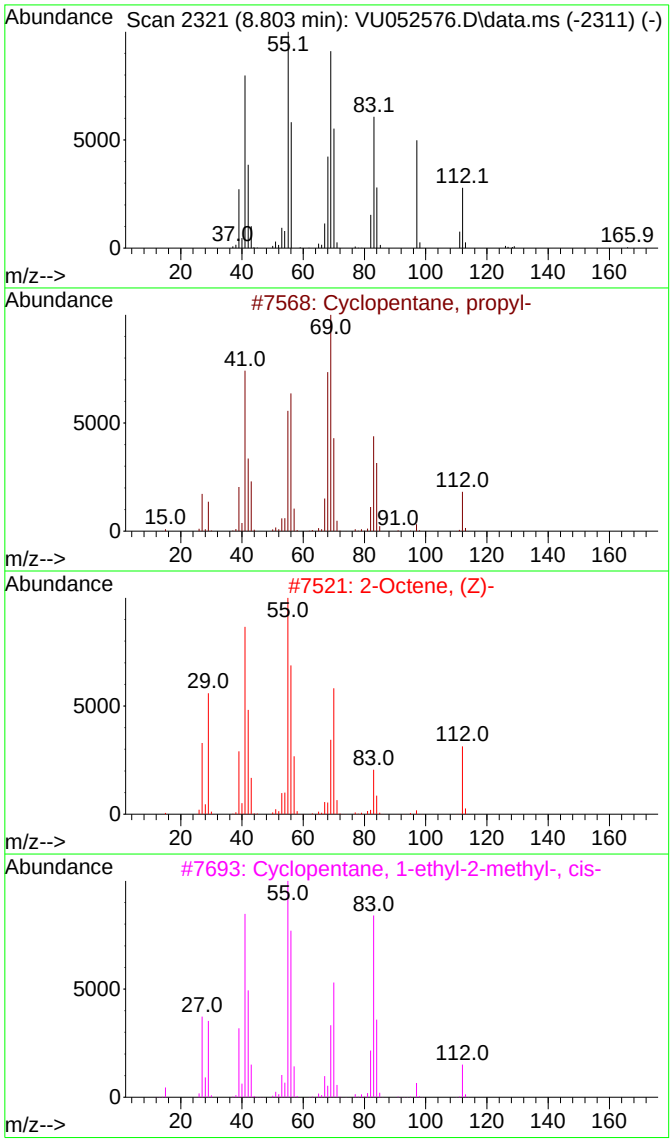
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

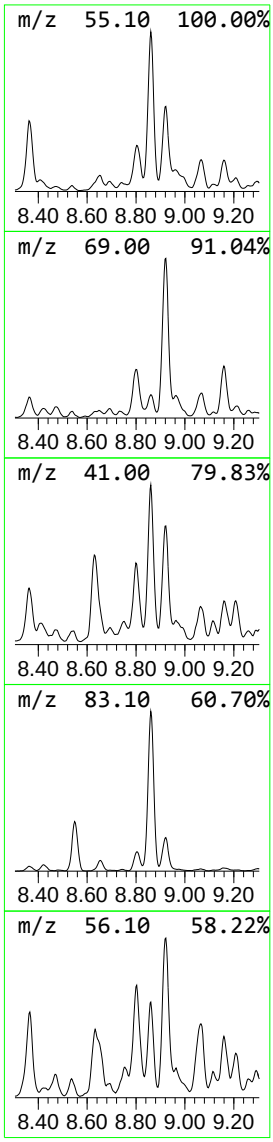
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic8.803 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.803	2.53 ug/L	267820	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	58
2	2-Octene, (Z)-	112	C8H16	007642-04-8	46
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	46
4	3-Octene, (Z)-	112	C8H16	014850-22-7	46
5	2-Octene, (Z)-	112	C8H16	007642-04-8	43





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

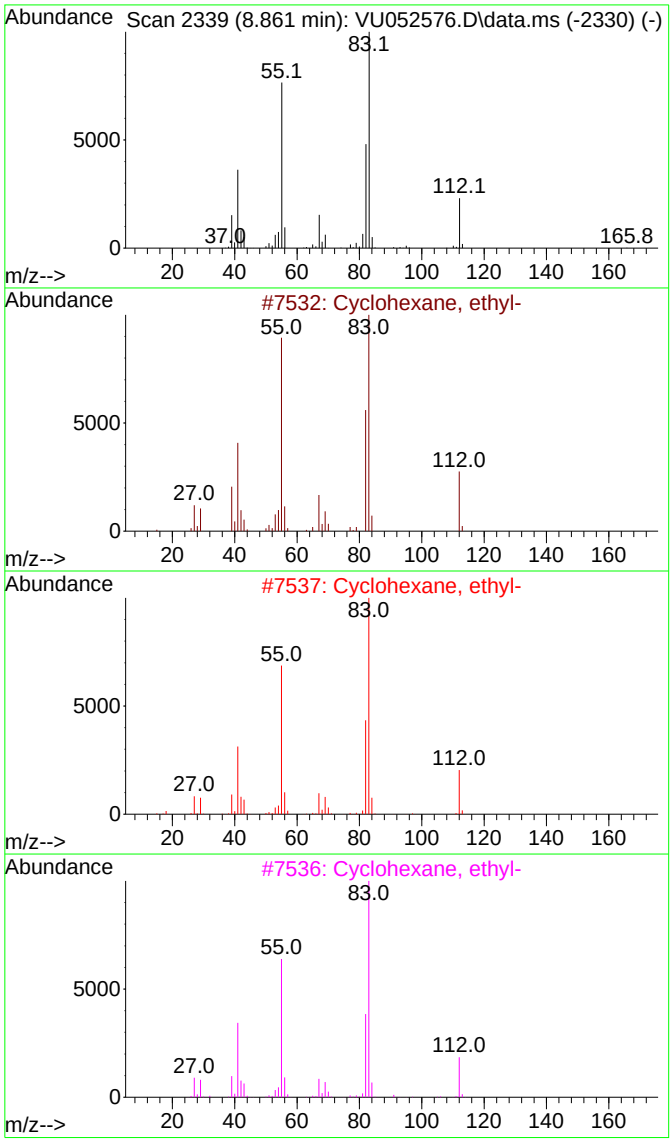
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

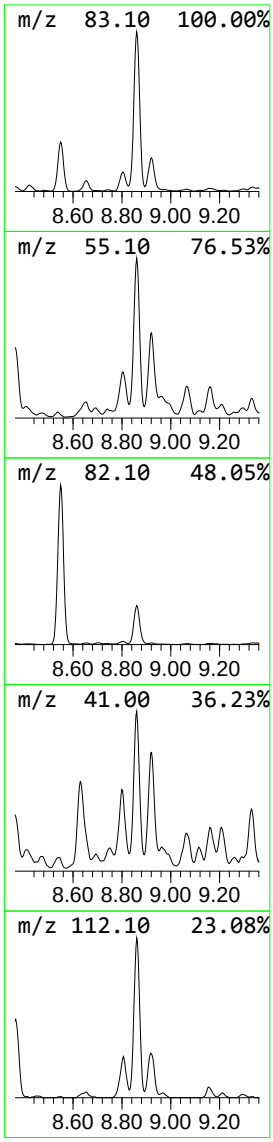
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic8.861 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.861	6.17 ug/L	654578	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	97
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	59





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

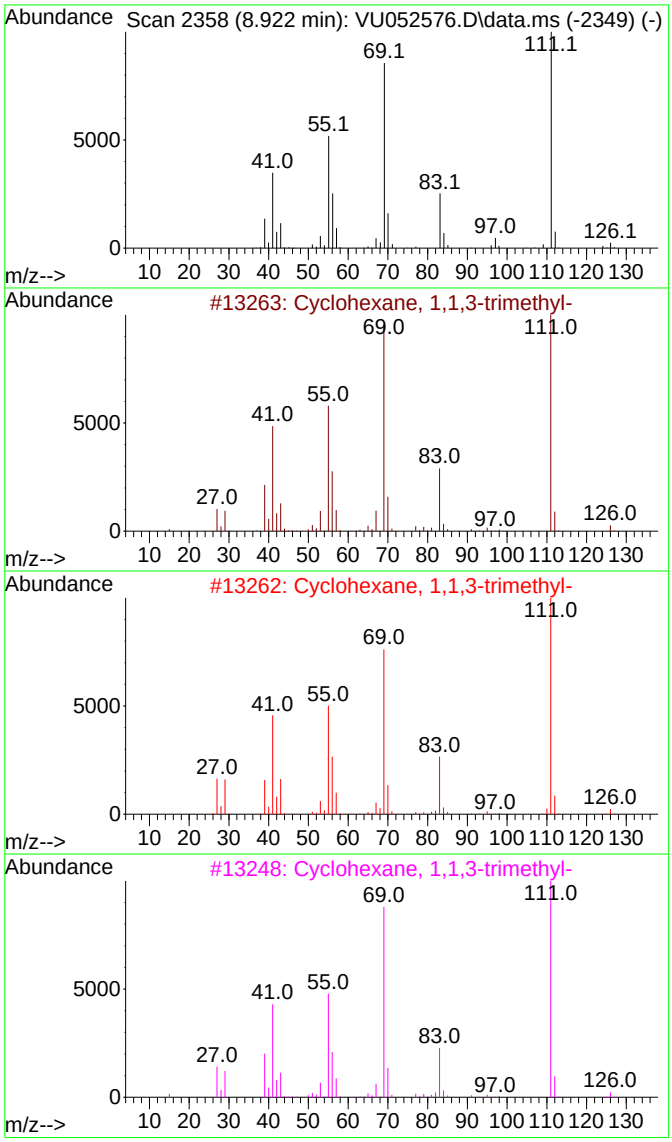
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

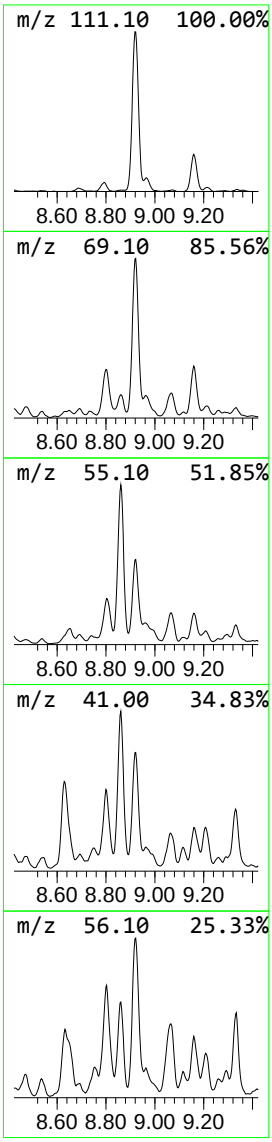
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic8.922 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.922	4.88 ug/L	518092	Chlorobenzene-d5	9.414

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	90
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
5	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	72





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

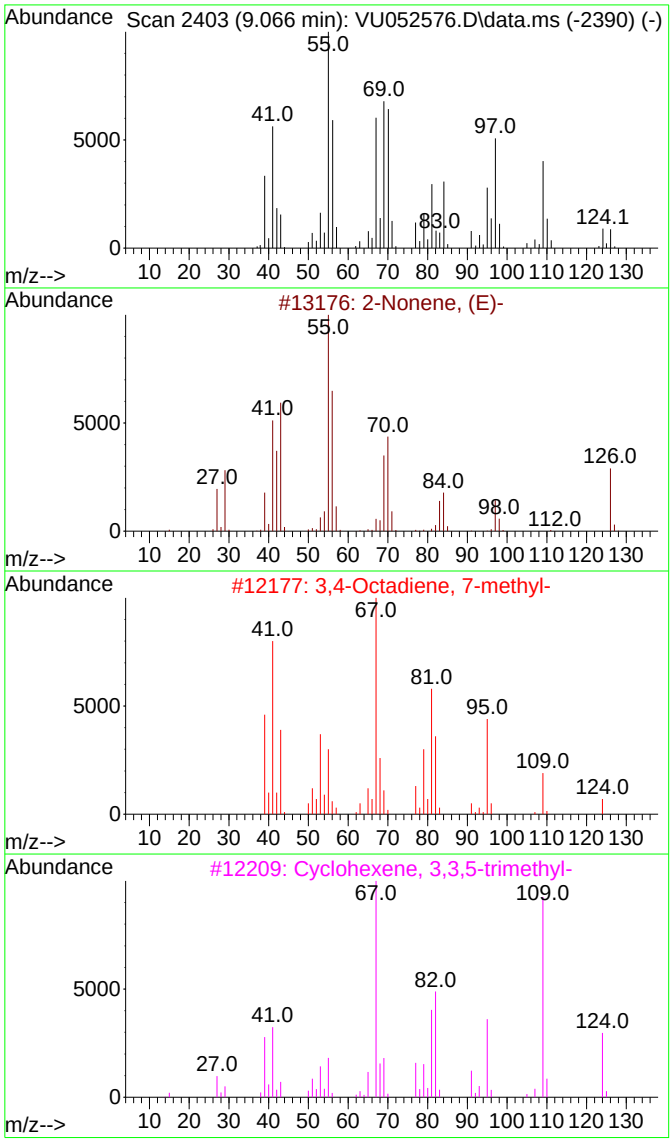
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

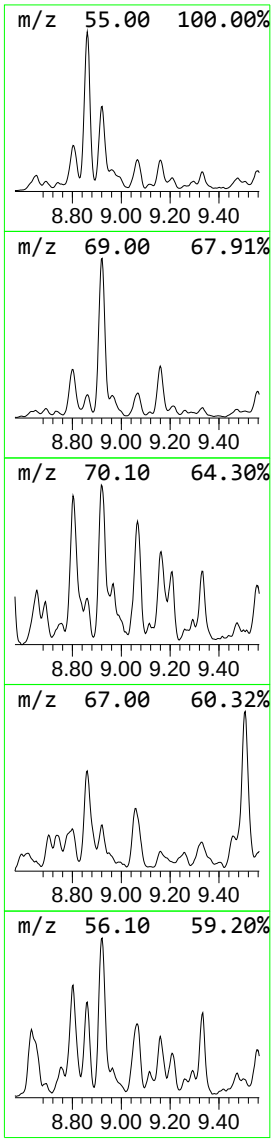
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.066	2.61 ug/L	276404	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonene, (E)-	126	C9H18	006434-78-2	38
2	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	35
3	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	30
4	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	30
5	3-Octyne, 7-methyl-	124	C9H16	037050-06-9	27





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

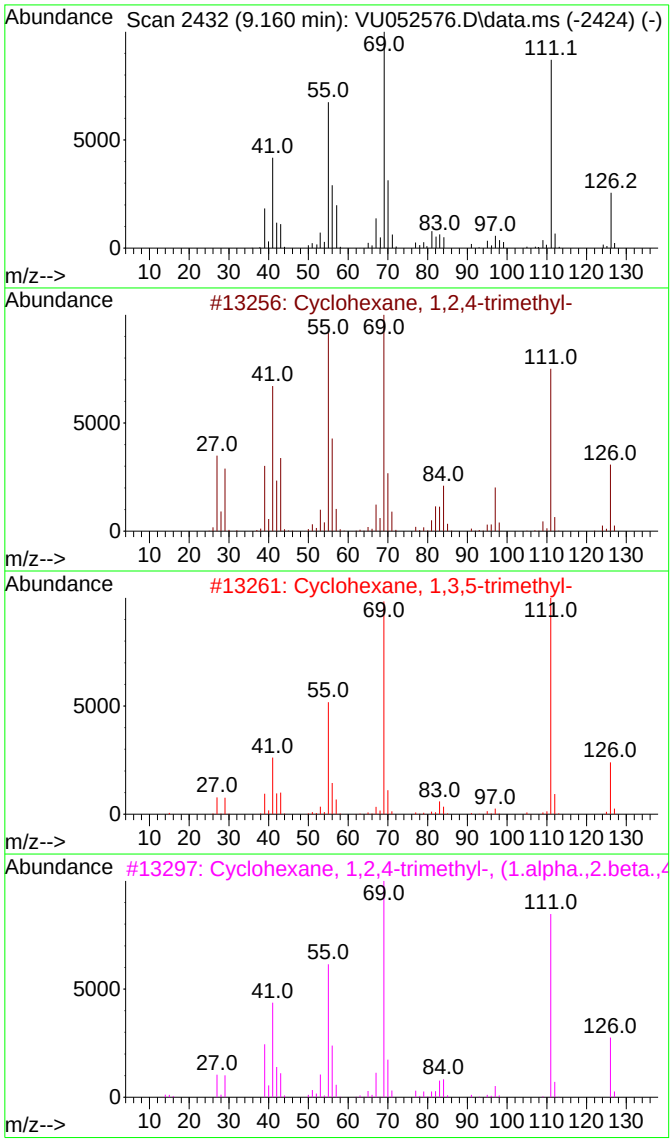
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

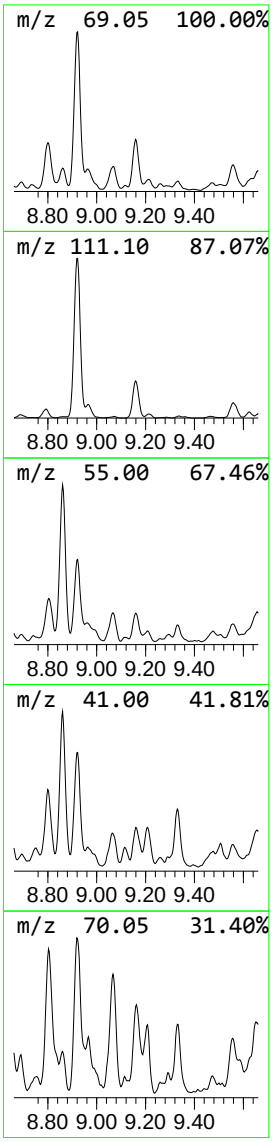
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic9.160 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.160	1.88 ug/L	199263	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

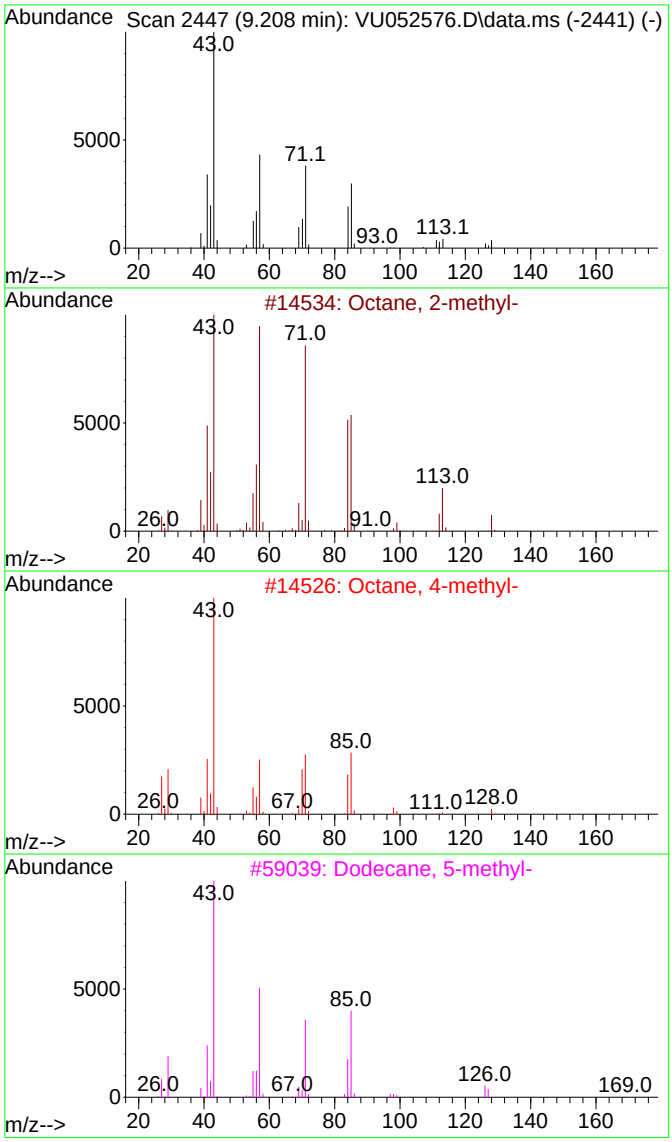
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

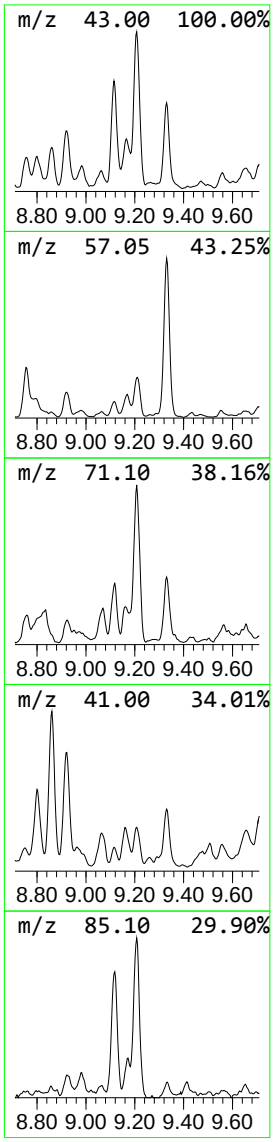
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.208	1.51 ug/L	160089	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	64
2	Octane, 4-methyl-	128	C9H20	002216-34-4	58
3	Dodecane, 5-methyl-	184	C13H28	017453-93-9	53
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

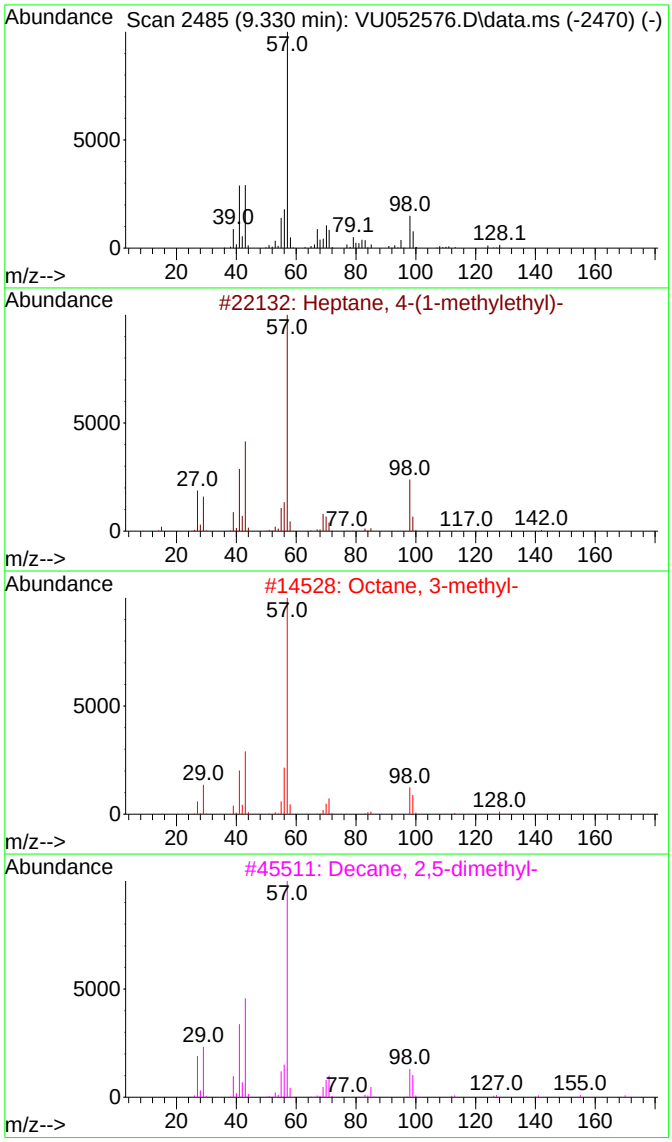
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

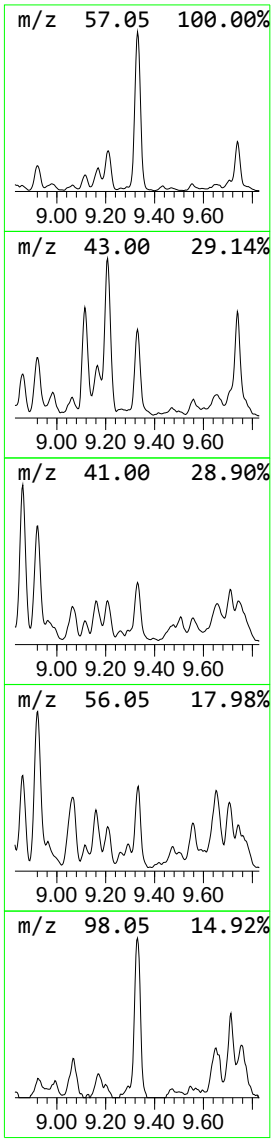
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.330	2.92 ug/L	309721	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64
2	Octane, 3-methyl-	128	C9H20	002216-33-3	64
3	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59
4	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59
5	Octane, 3-methyl-	128	C9H20	002216-33-3	58





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

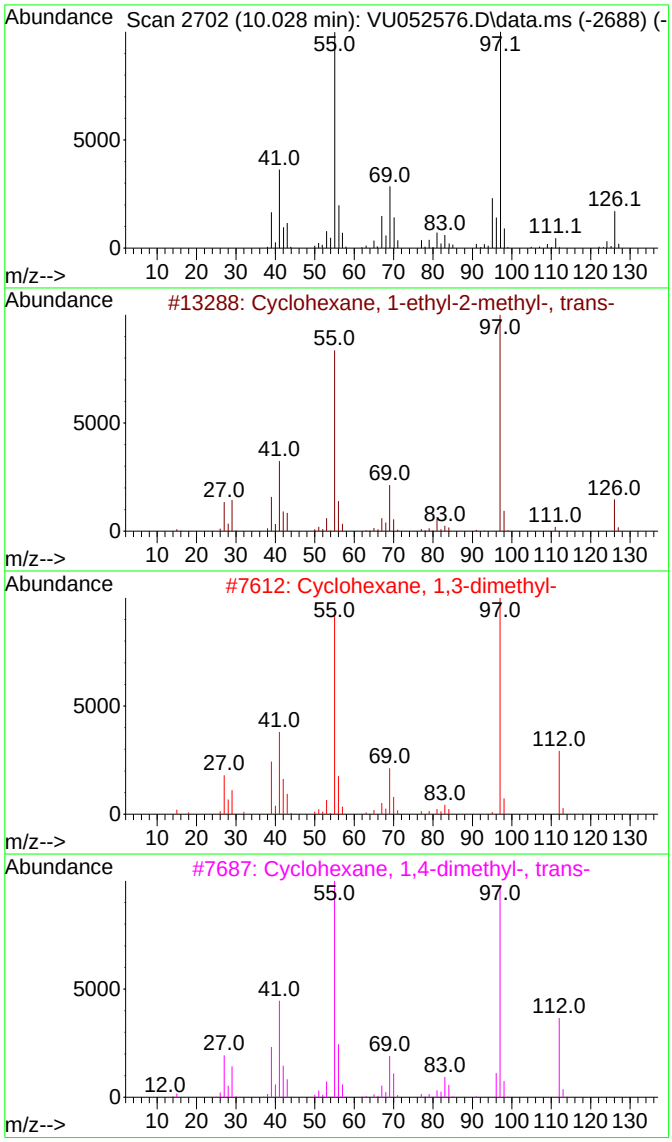
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

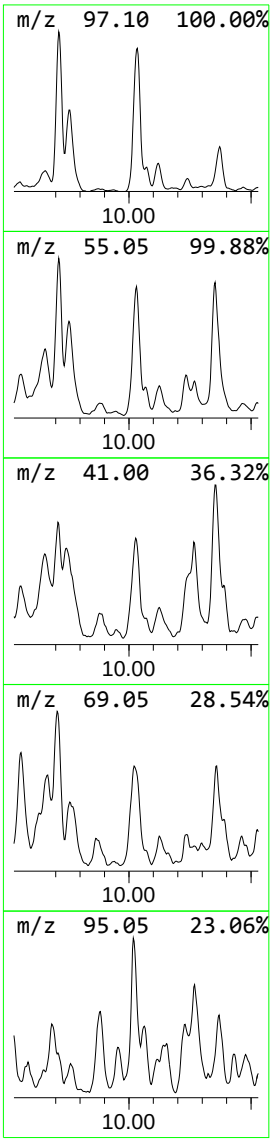
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic10.028 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.028	4.11 ug/L	436218	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
2	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	64
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	59





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

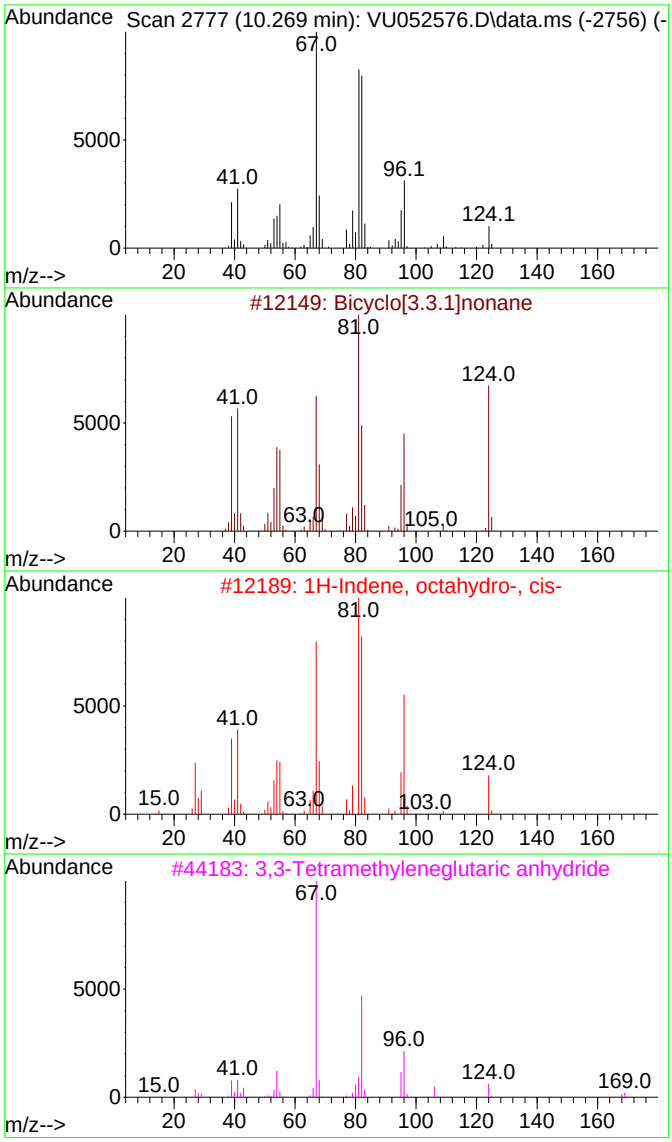
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

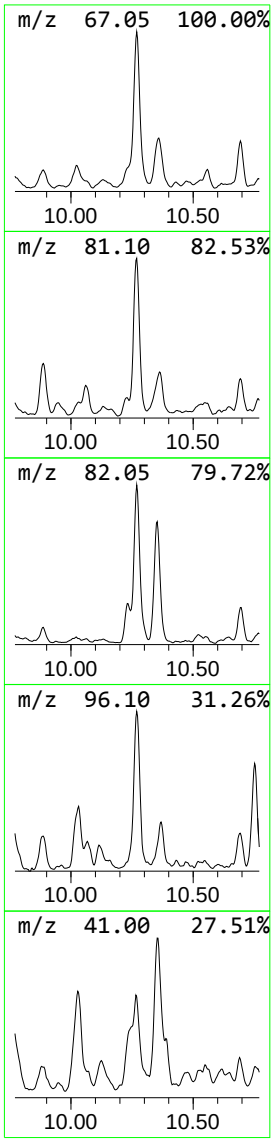
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Bicyclo[3.3.1]nonane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.269	5.27 ug/L	559342	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	64
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	52
3	3,3-Tetramethyleneglutaric anhyd...	168	C9H12O3	005662-95-3	50
4	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	50
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

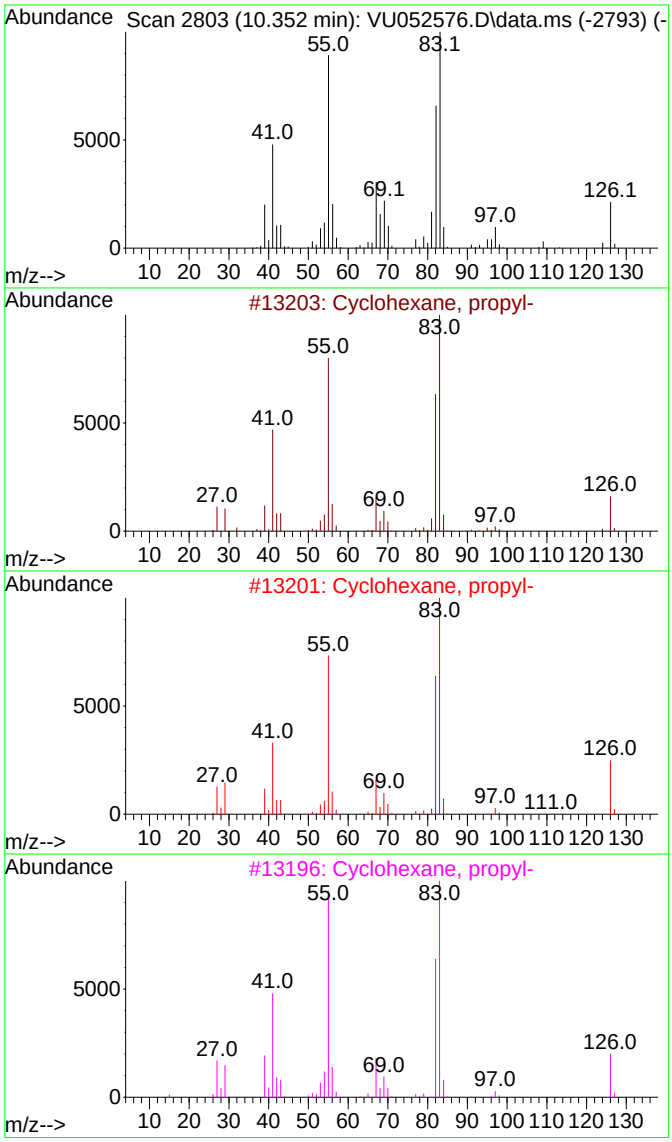
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

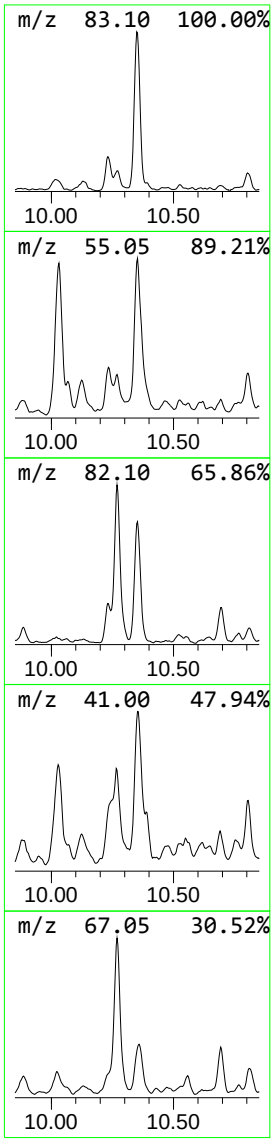
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Cyclic10.352 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.352	4.93 ug/L	522441	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	80
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

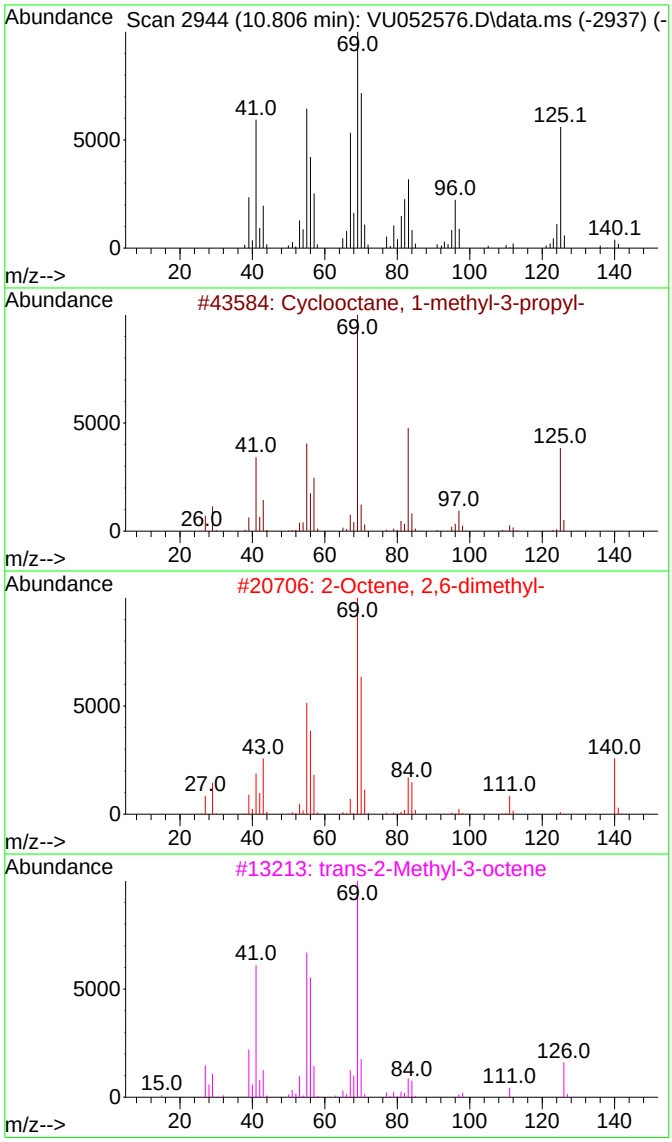
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

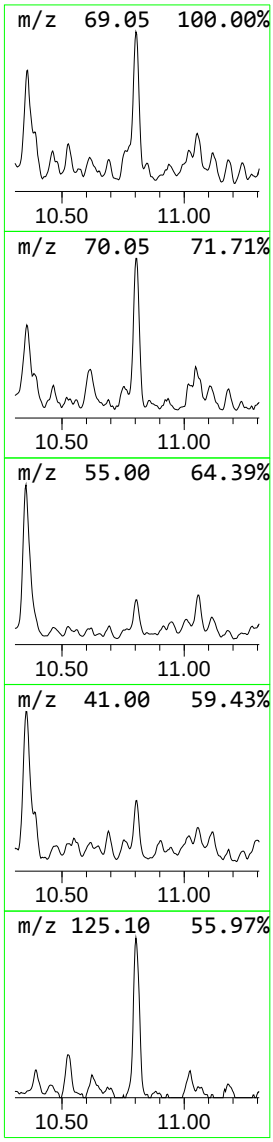
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Cyclic10.806 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.806	1.30 ug/L	165617	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	43
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
3	trans-2-Methyl-3-octene	126	C9H18	052937-36-7	35
4	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	35
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

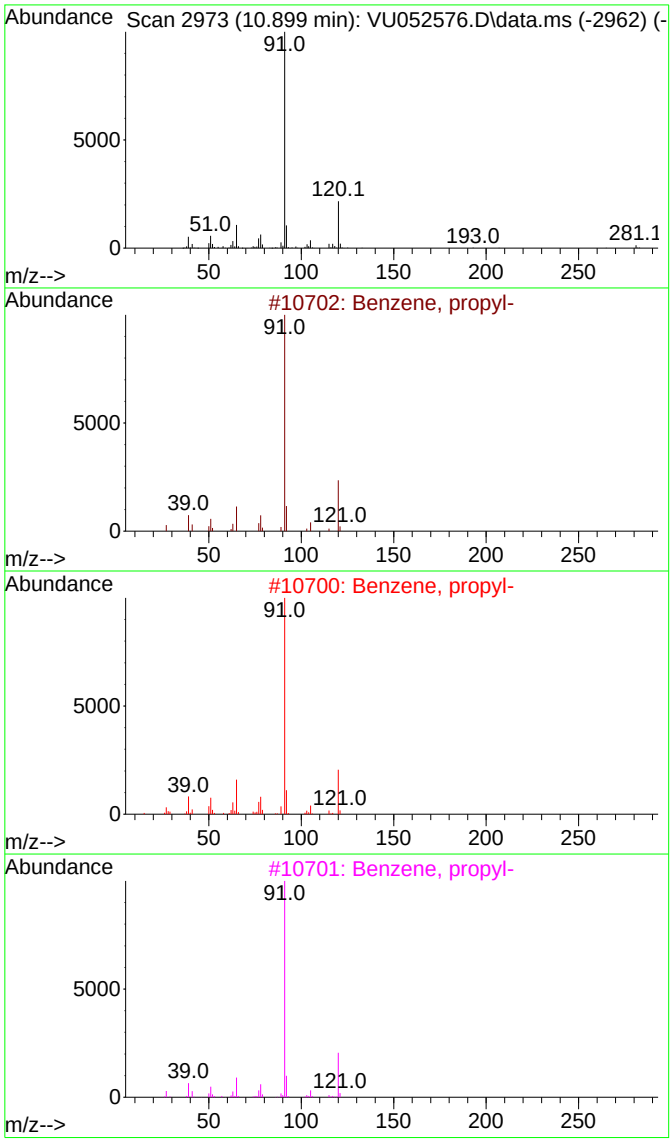
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

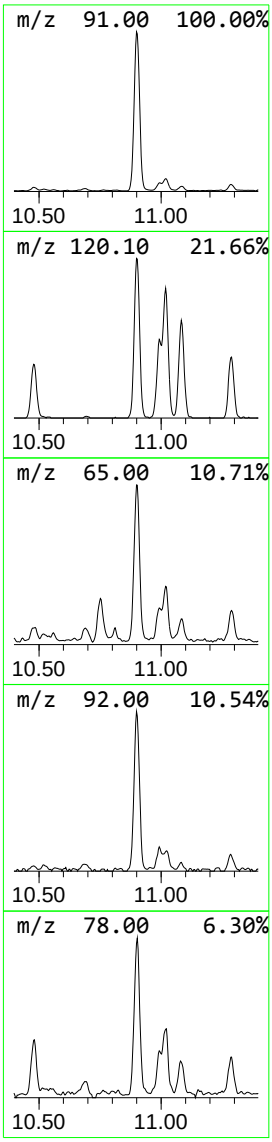
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, propyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.899	2.61 ug/L	333600	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	93
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Benzene, propyl-	120	C9H12	000103-65-1	83
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

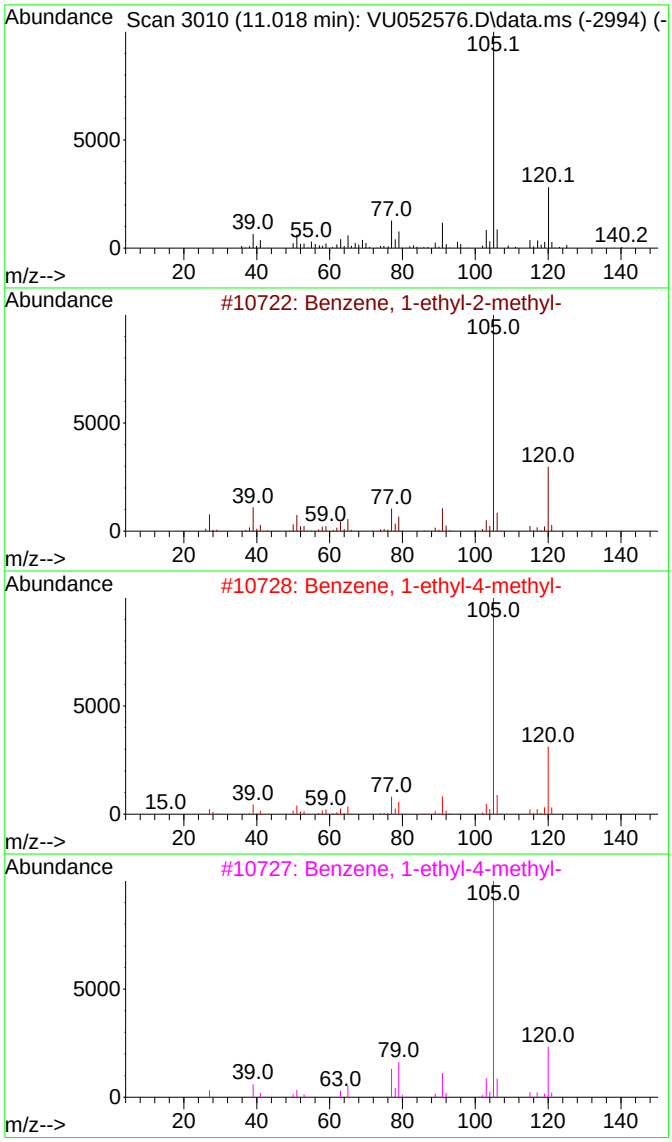
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

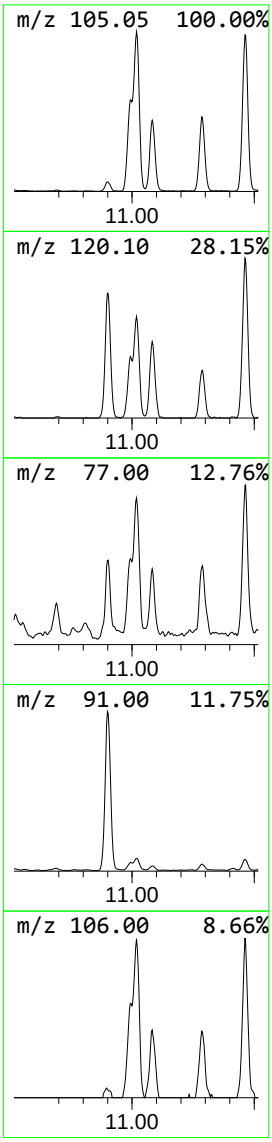
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 1-ethyl-2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.018	2.96 ug/L	377642	1,4-Dichlorobenzene-d4	11.806

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	94
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\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

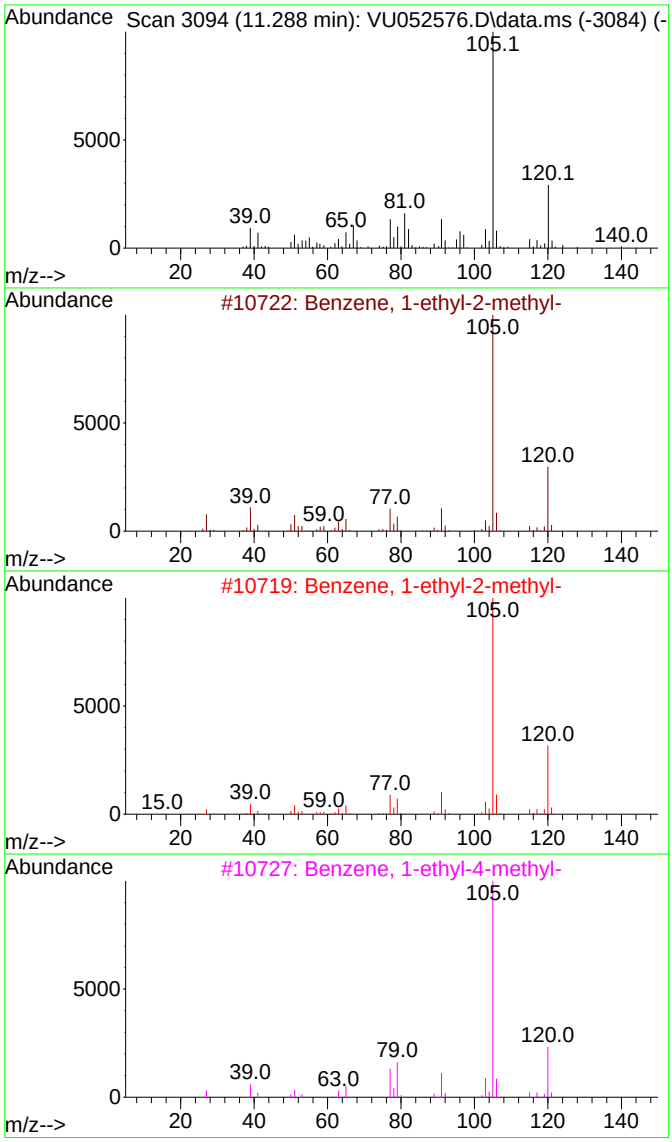
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

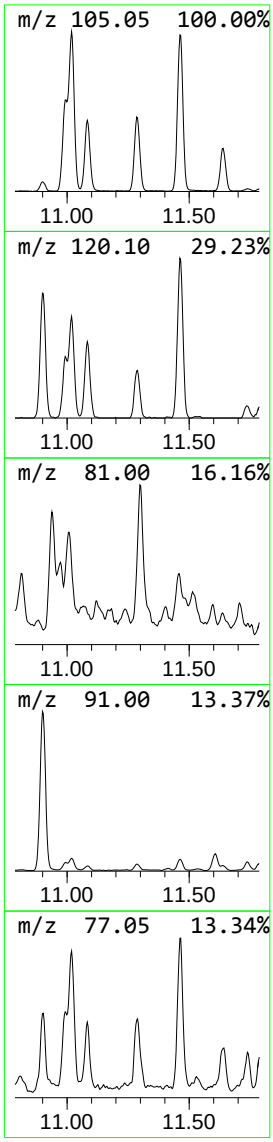
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, 1-ethyl-4-methyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.288	1.66 ug/L	211826	1,4-Dichlorobenzene-d4	11.806

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-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

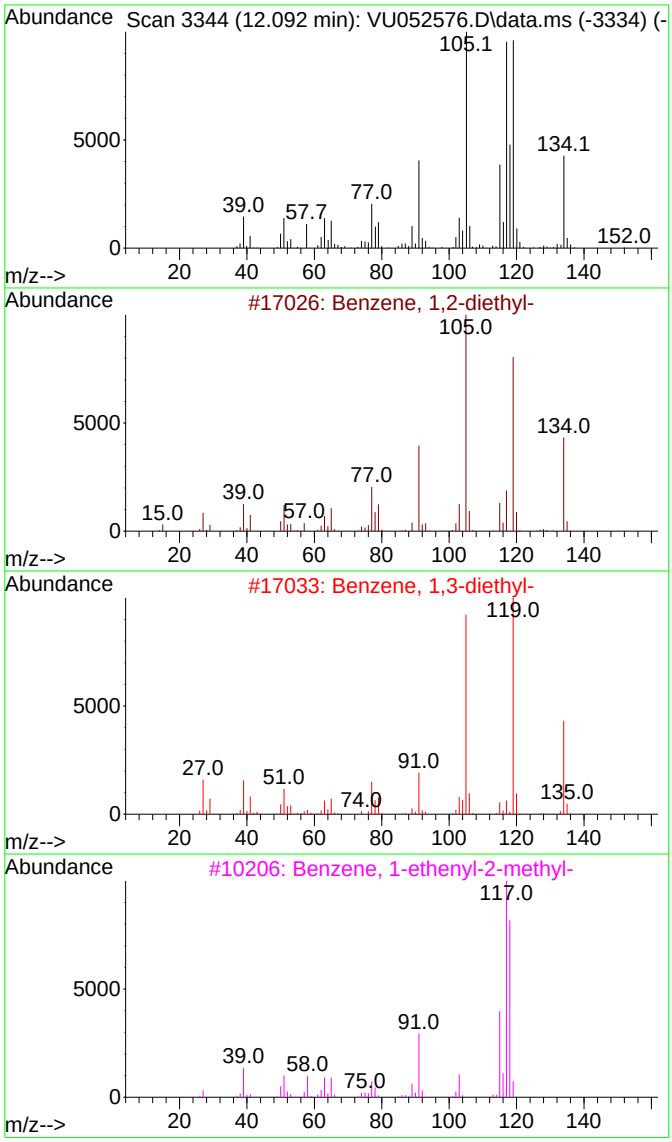
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

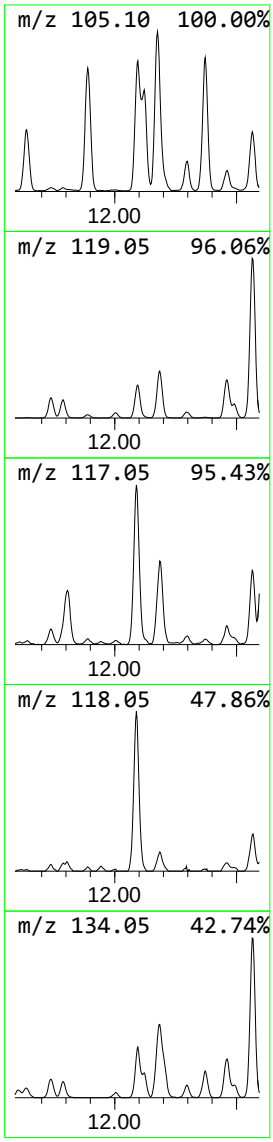
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1,2-diethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	3.23 ug/L	412378	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	87
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	86
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	66
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	60
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

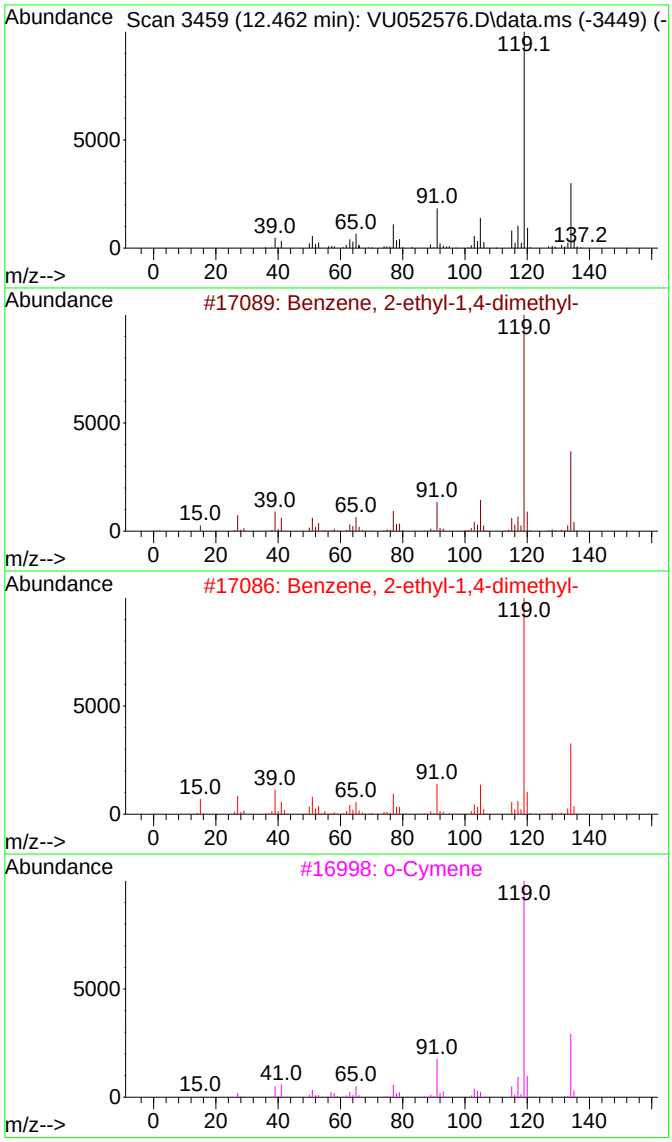
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

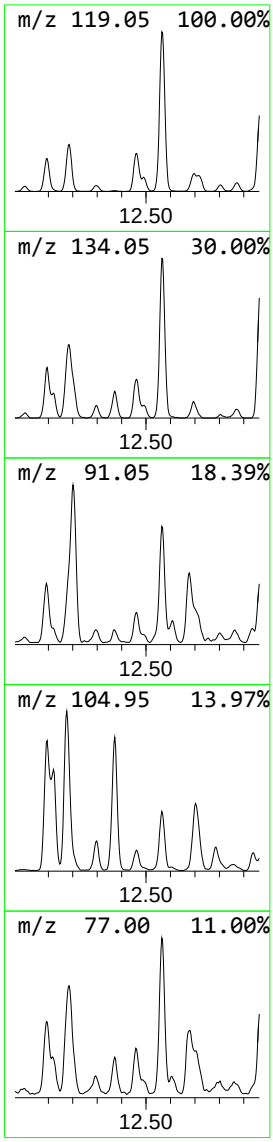
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.462	1.40 ug/L	179332	1,4-Dichlorobenzene-d4	11.806

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

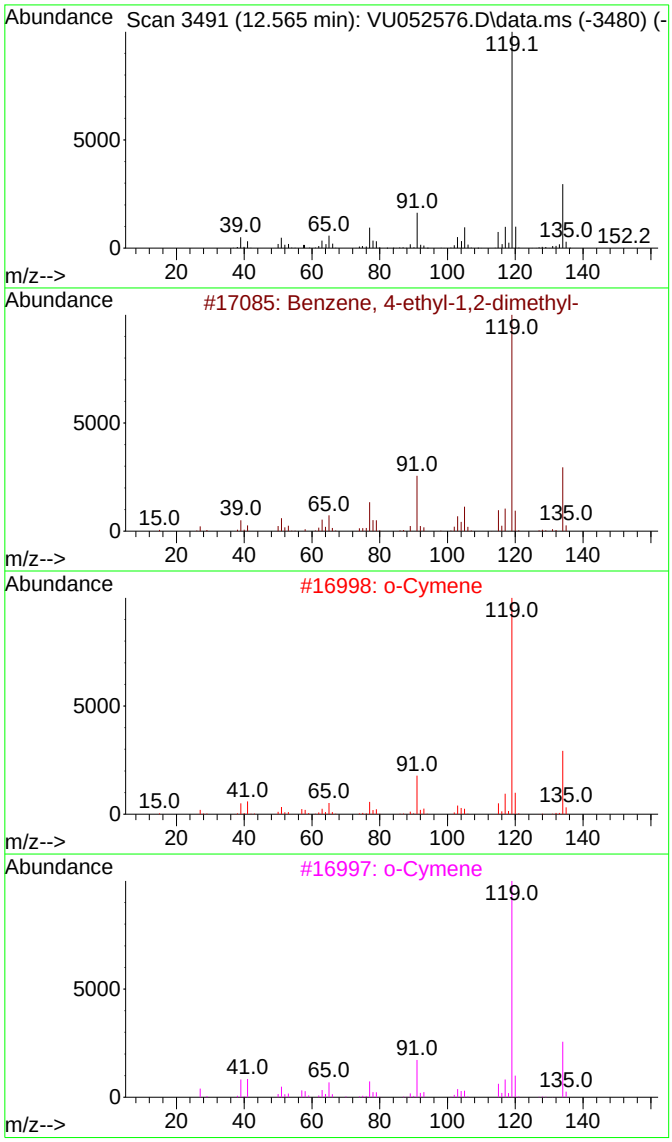
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

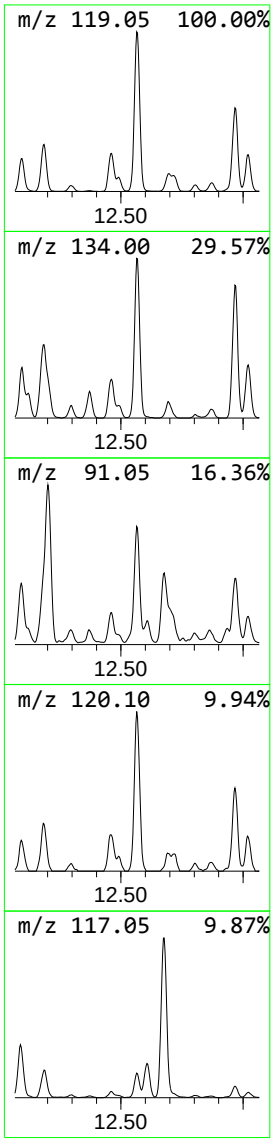
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.565	5.00 ug/L	638513	1,4-Dichlorobenzene-d4	11.806

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





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

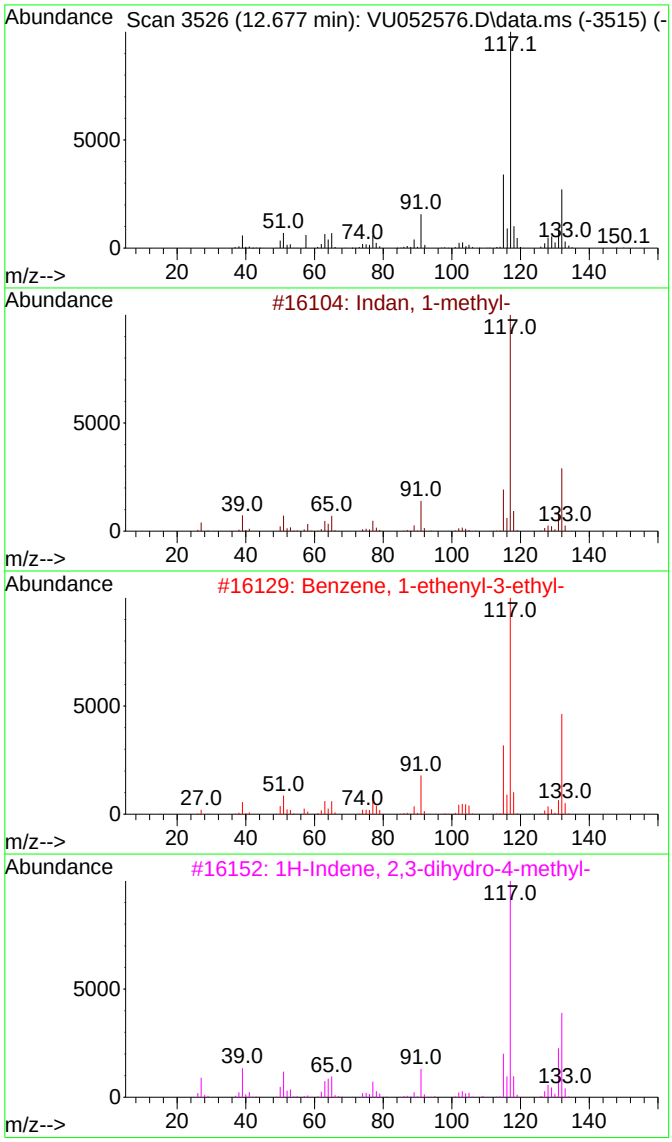
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

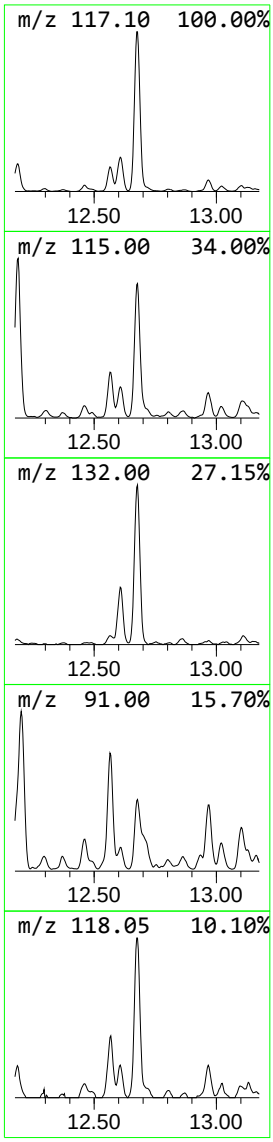
****

Peak Number 41 Indan, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.677	5.47 ug/L	698265	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

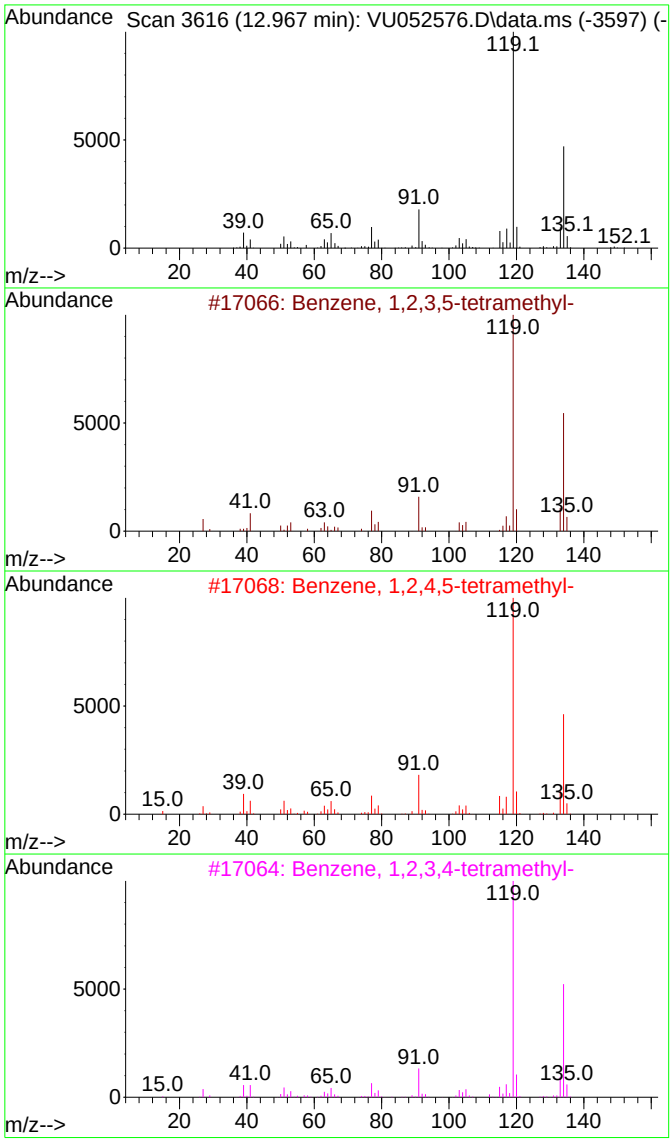
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

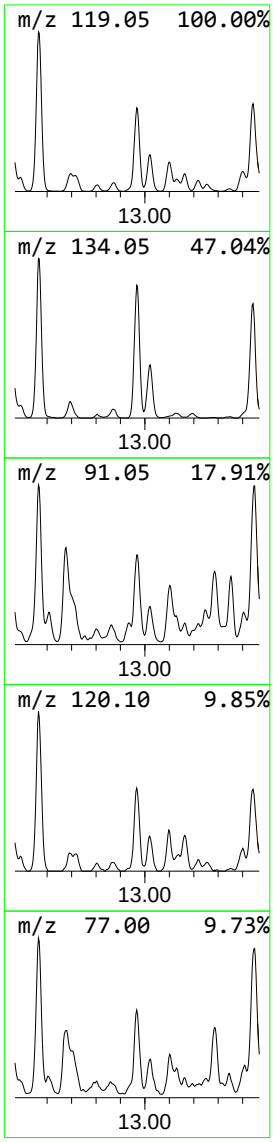
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.967	3.39 ug/L	432948	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

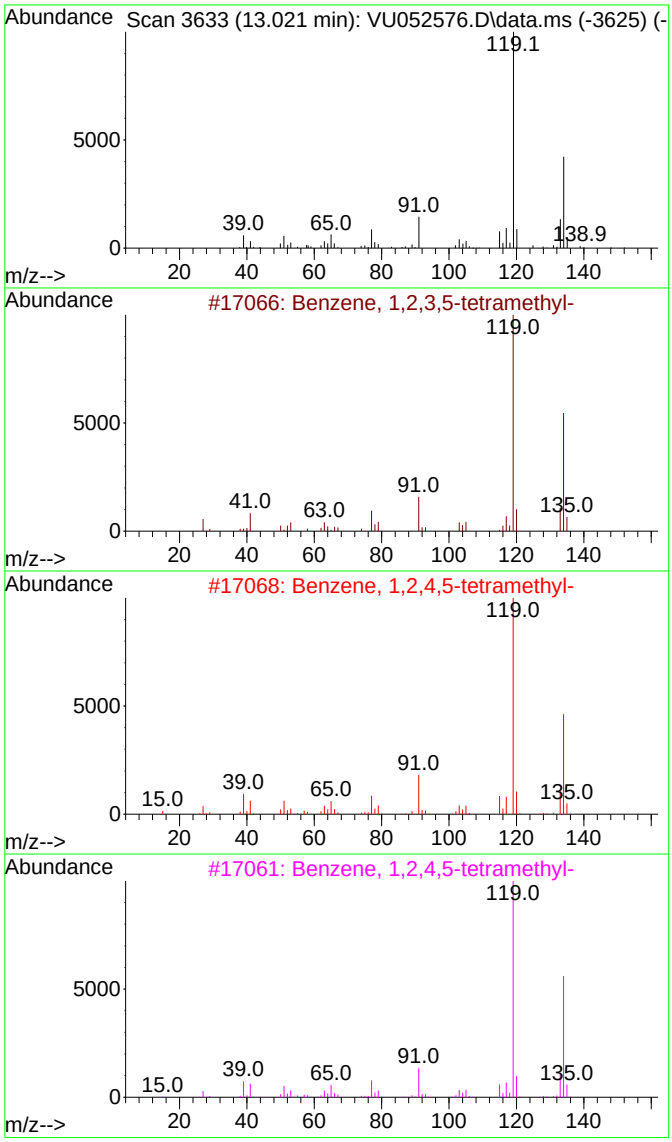
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

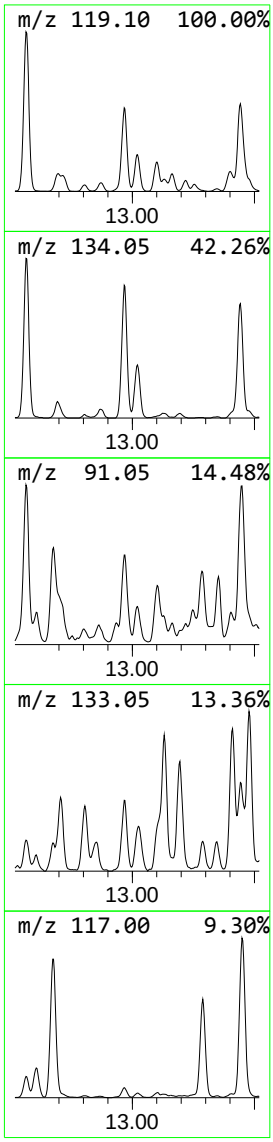
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.021	1.54 ug/L	196906	1,4-Dichlorobenzene-d4	11.806

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

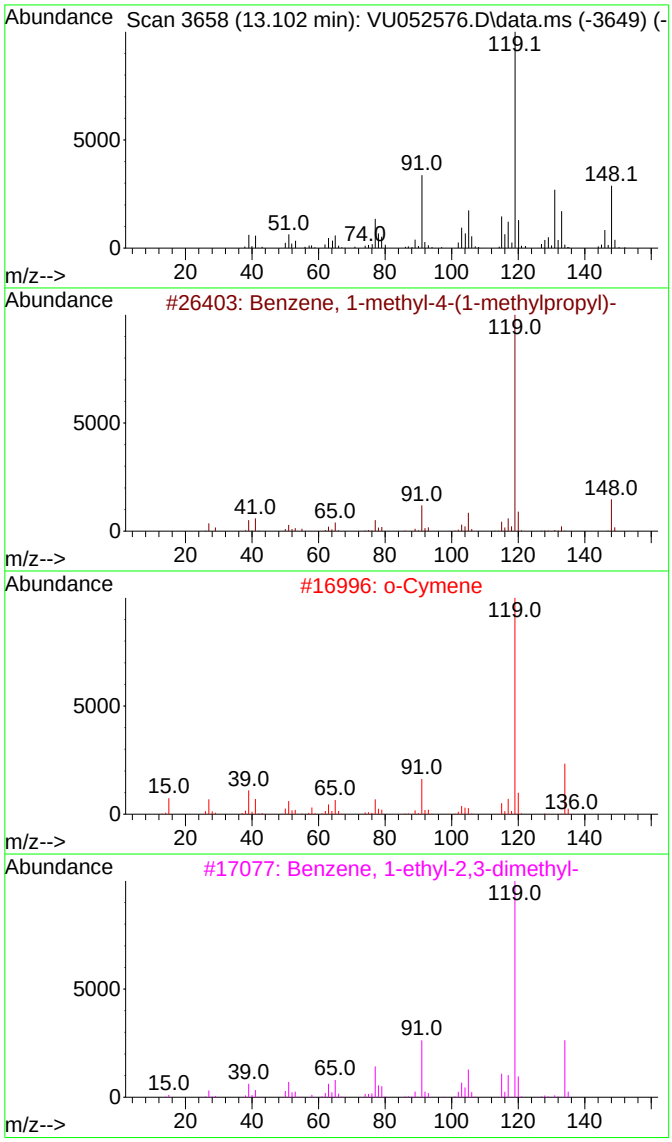
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

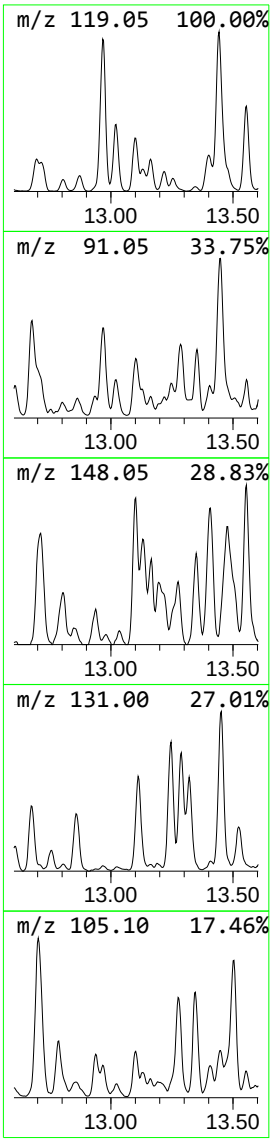
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1-methyl-4-(1-meth... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.102	1.67 ug/L	213015	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	68
2	o-Cymene	134	C10H14	000527-84-4	60
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	60
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	60





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

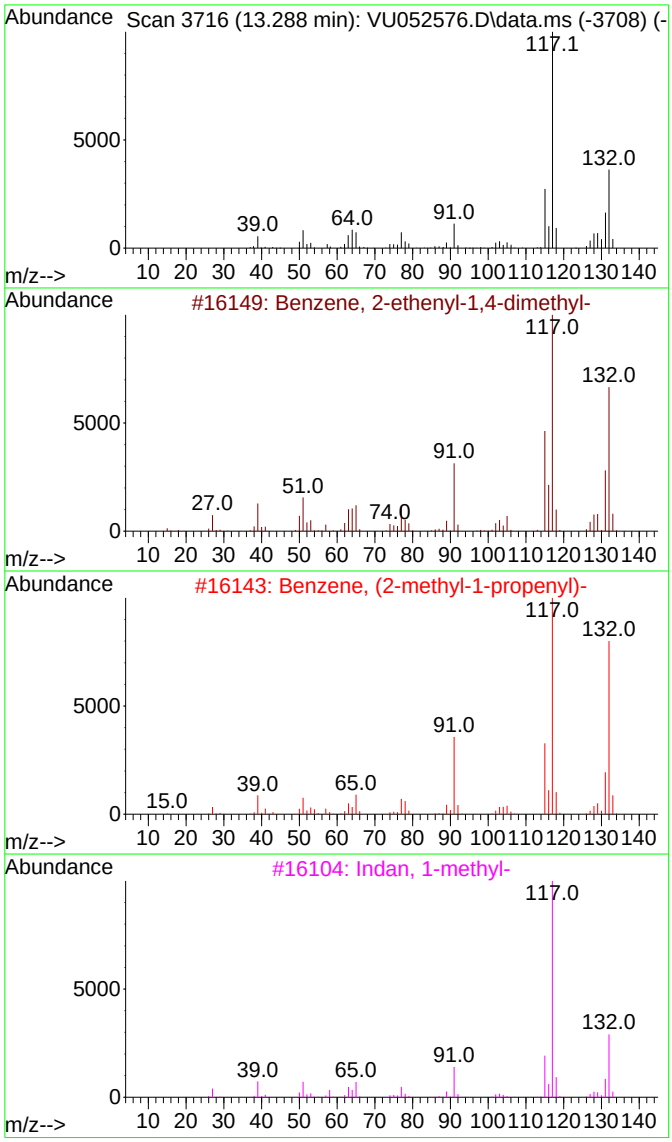
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

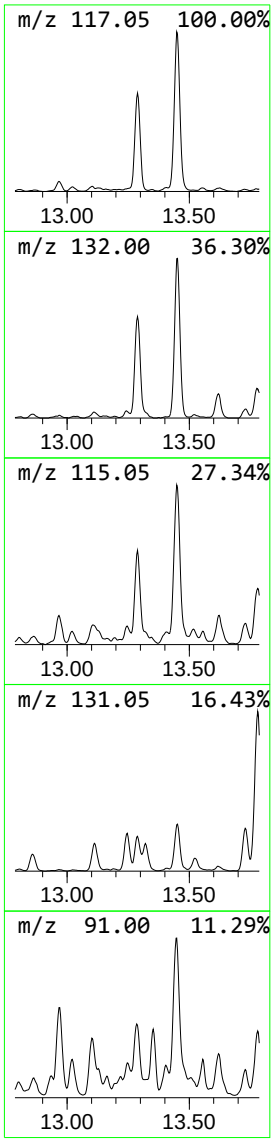
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.288	2.54 ug/L	324999	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

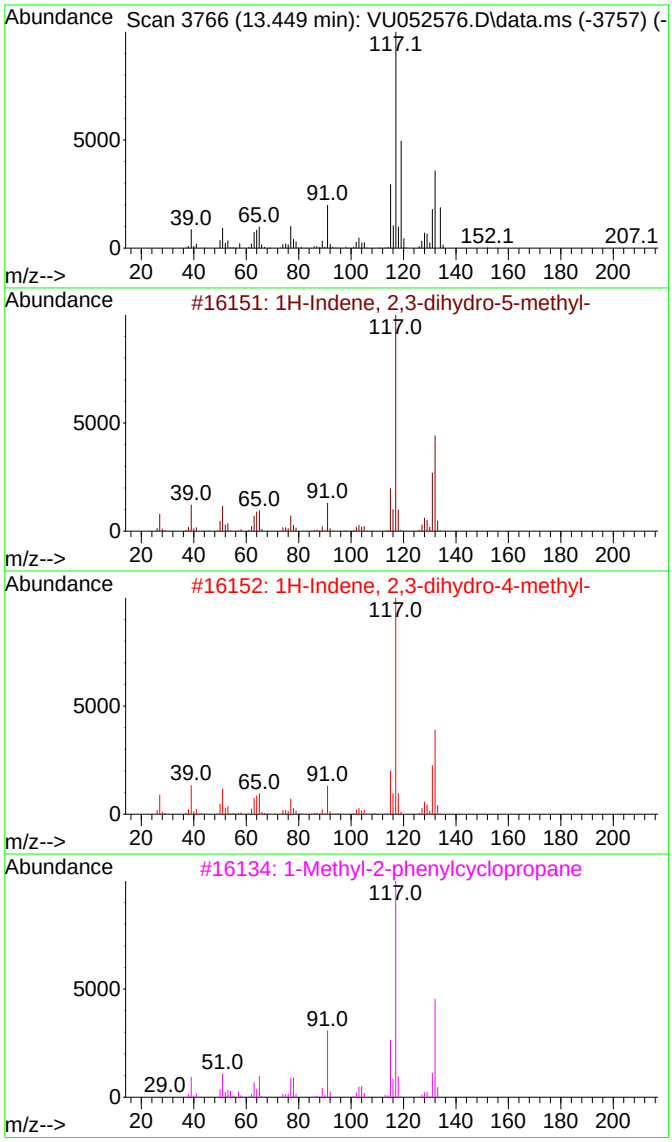
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

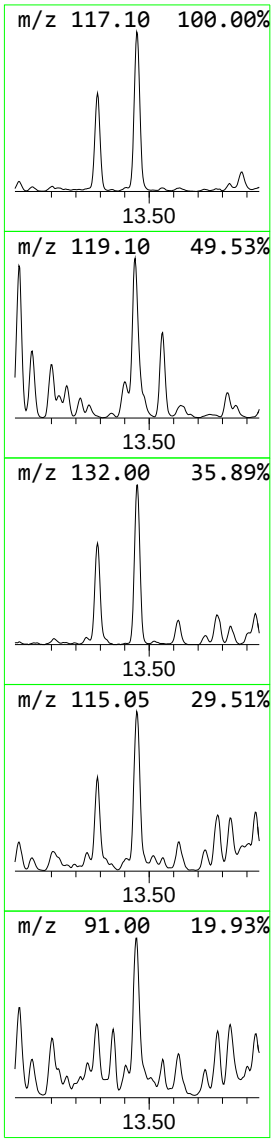
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.449	7.43 ug/L	949098	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	70
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

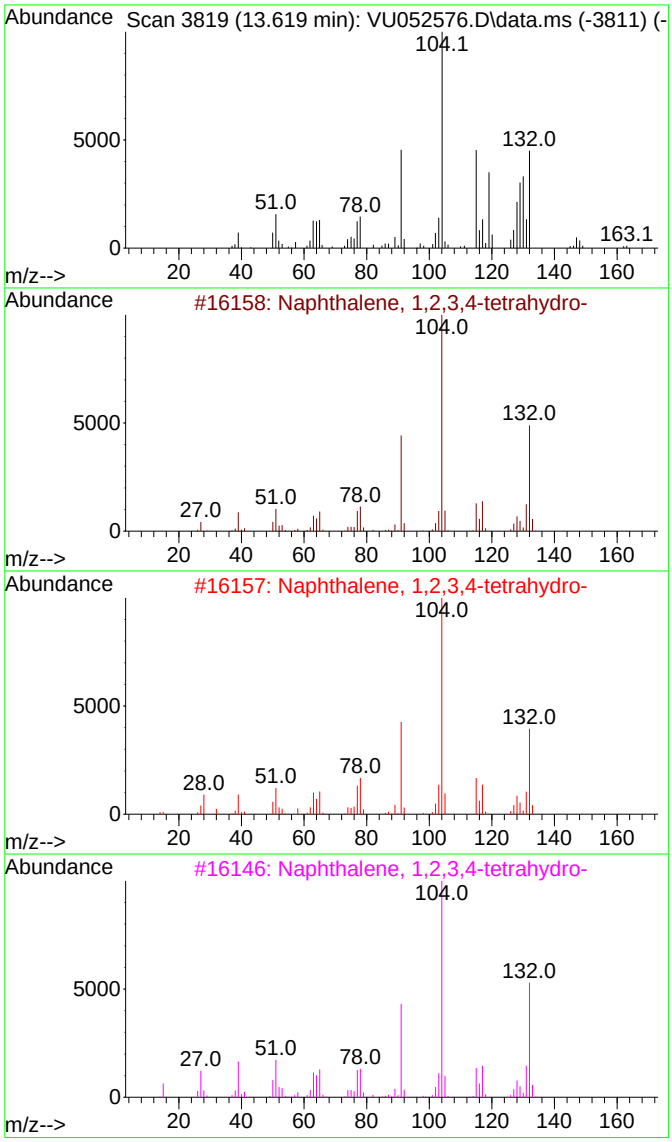
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

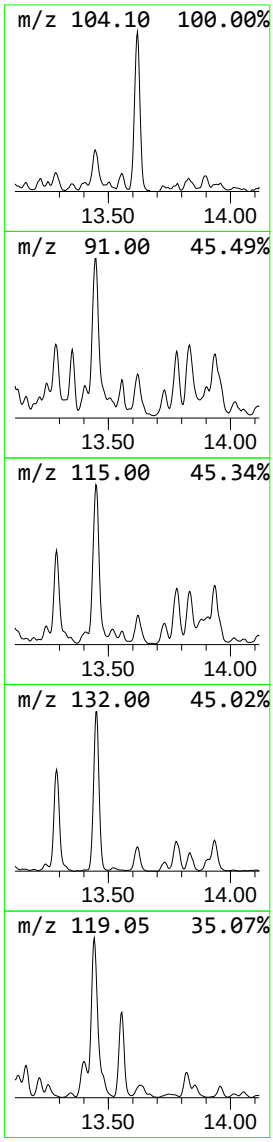
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.619	1.62 ug/L	207072	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	78
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	78
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	78
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

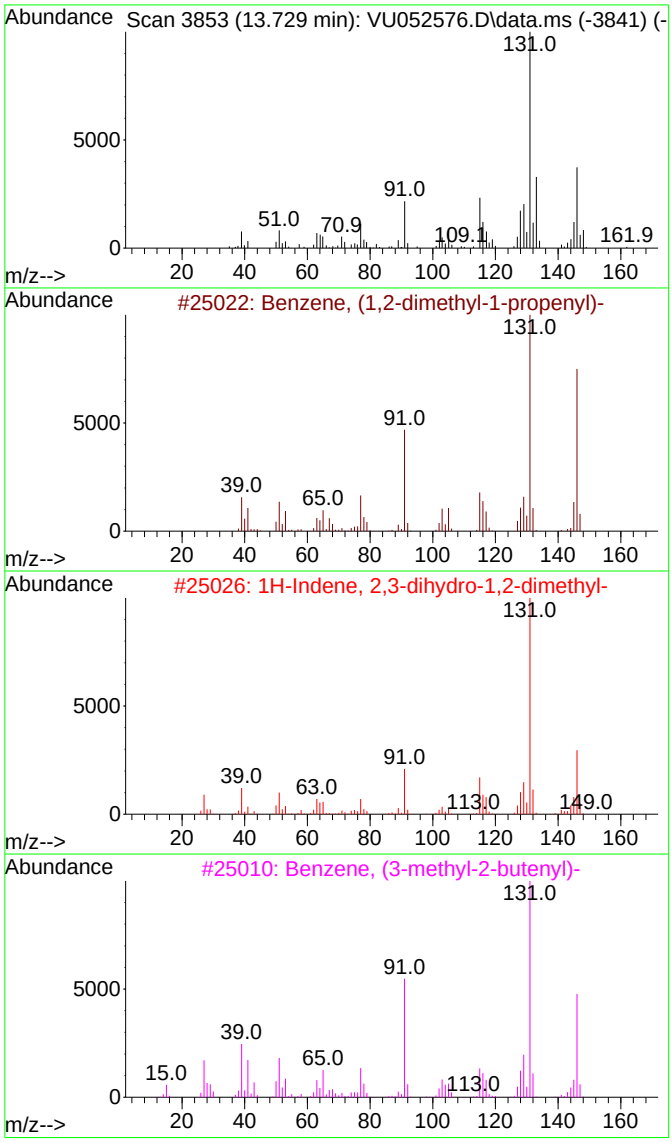
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

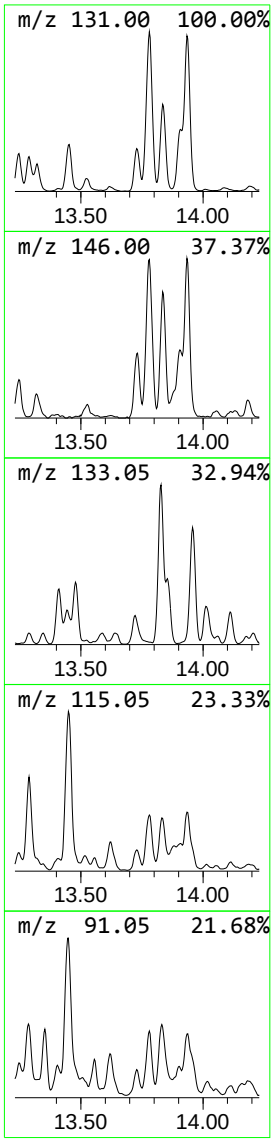
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.729	1.25 ug/L	159713	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

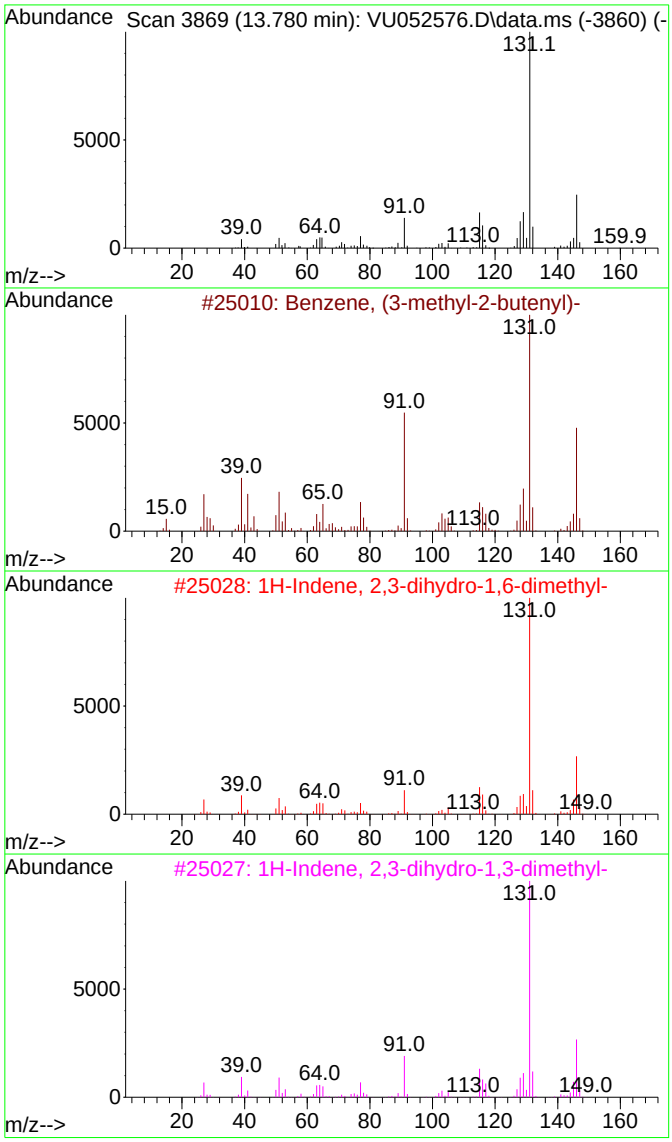
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

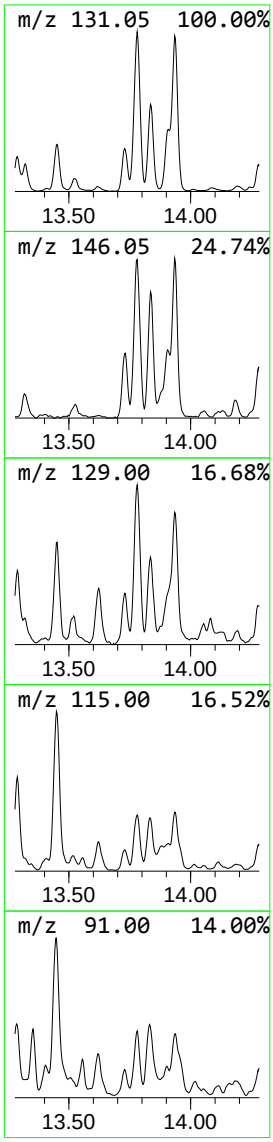
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, (3-methyl-2-butenyl)- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.780	2.53 ug/L	323403	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	95
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
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-4,7-dimet...	146	C11H14	006682-71-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

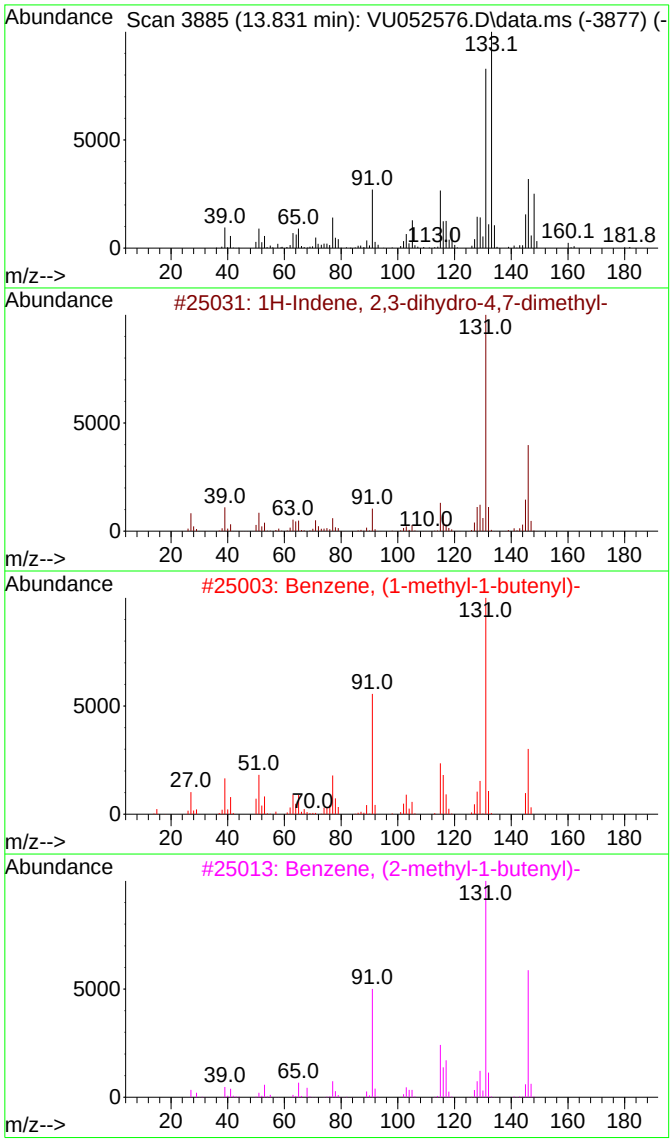
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

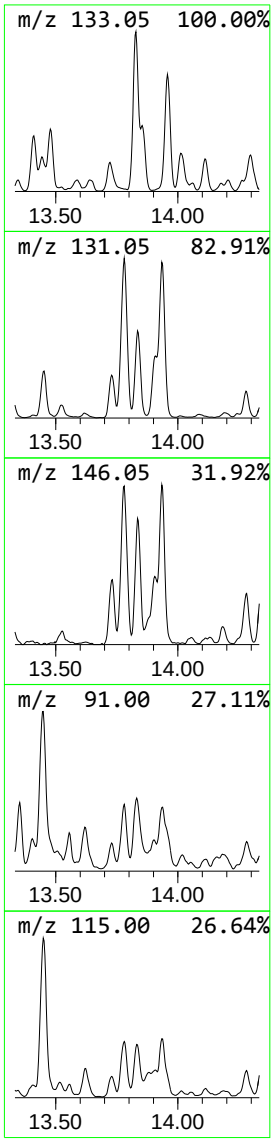
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.832	3.05 ug/L	388957	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	89
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

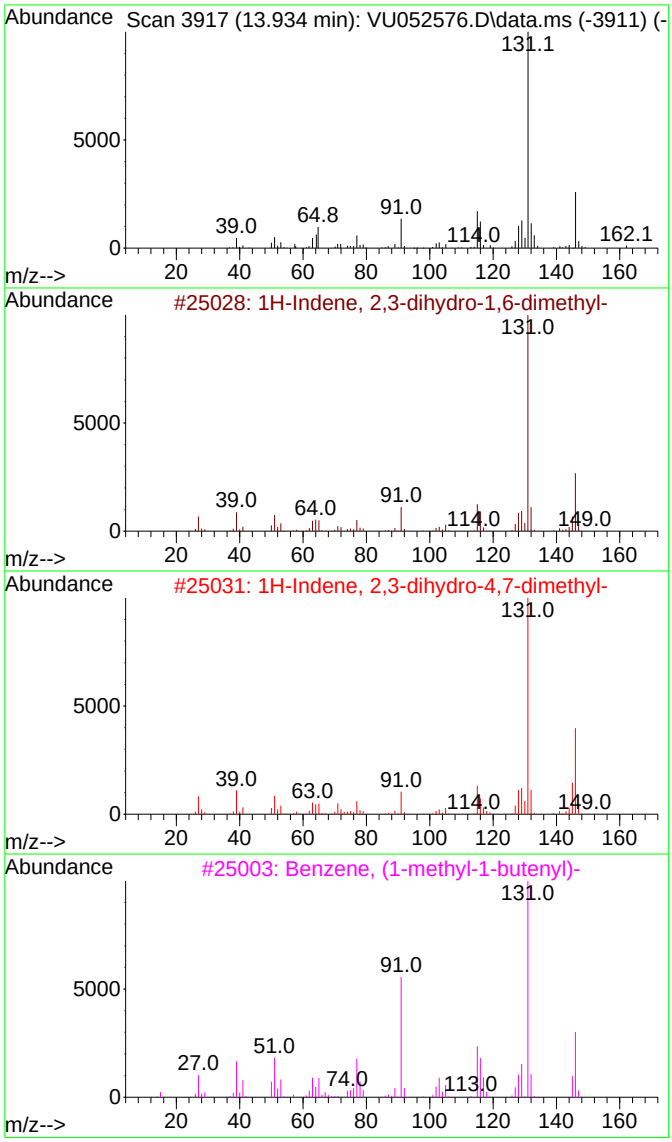
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

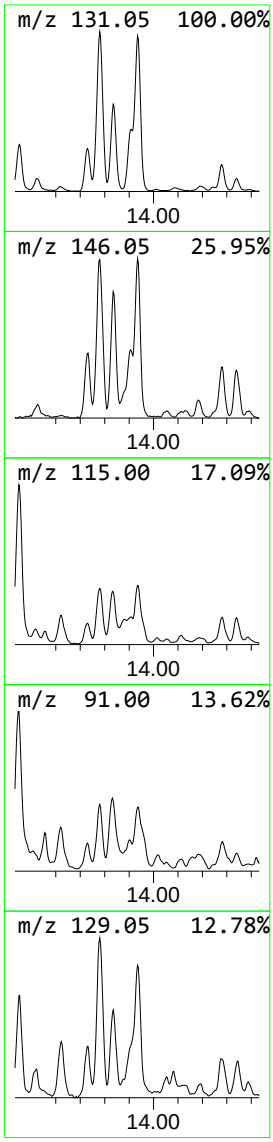
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.934	3.72 ug/L	475494	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91





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Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

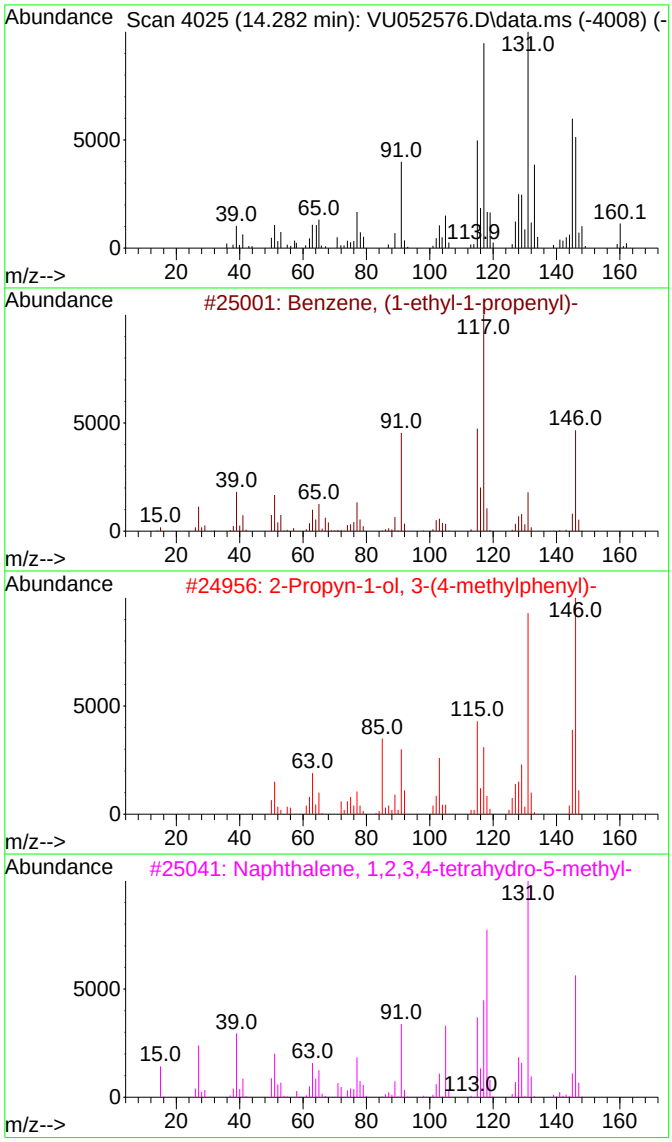
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

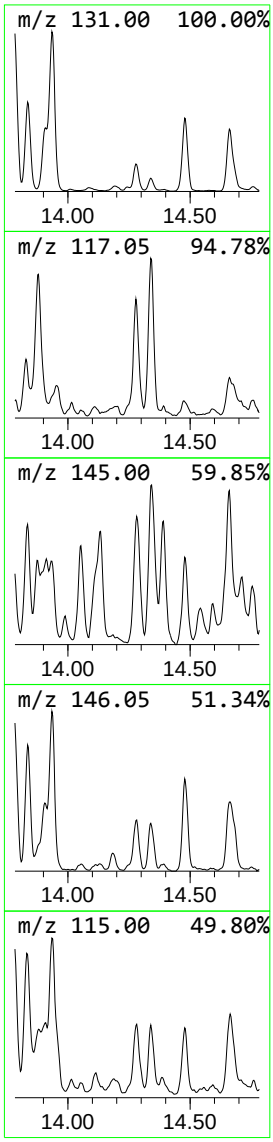
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.282	1.73 ug/L	220803	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	83
2	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	49
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	49
4	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	46
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

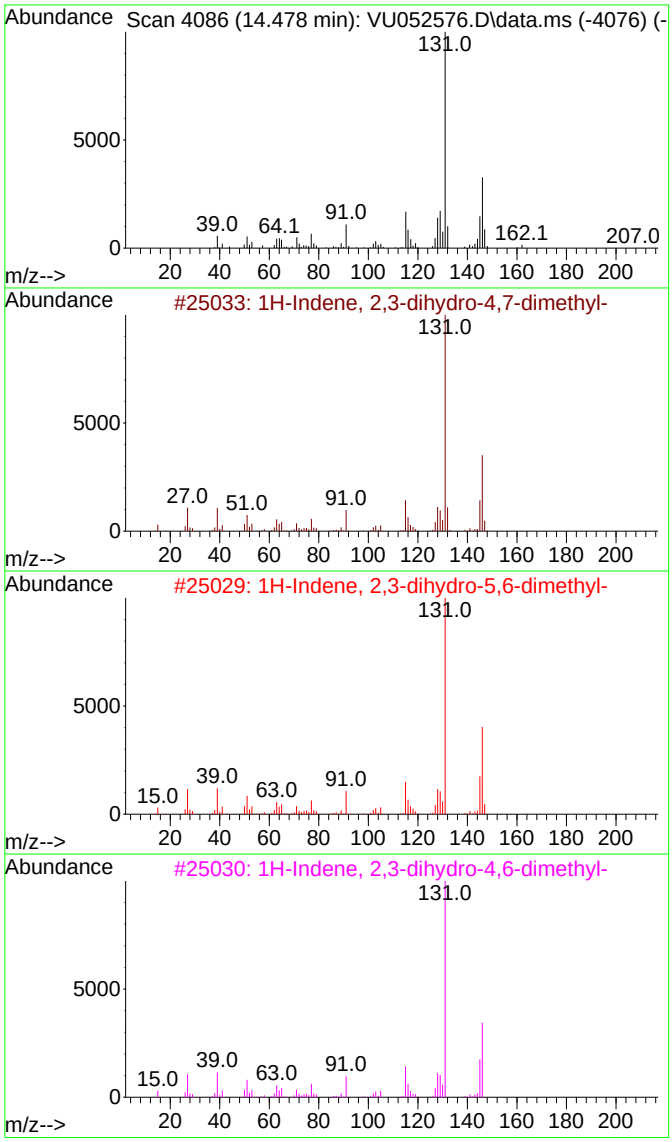
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

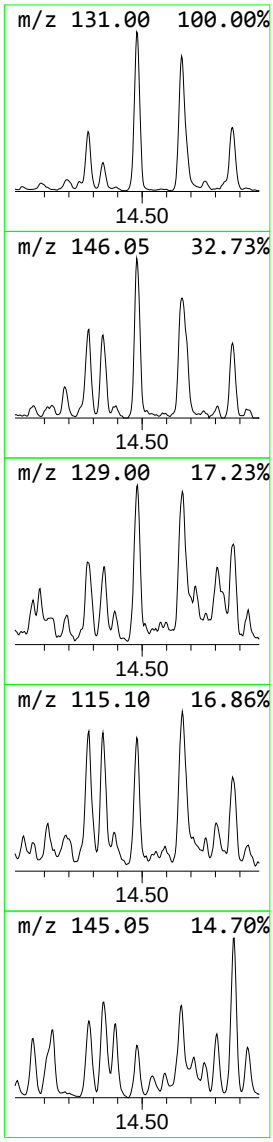
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.478	1.44 ug/L	184108	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	97
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

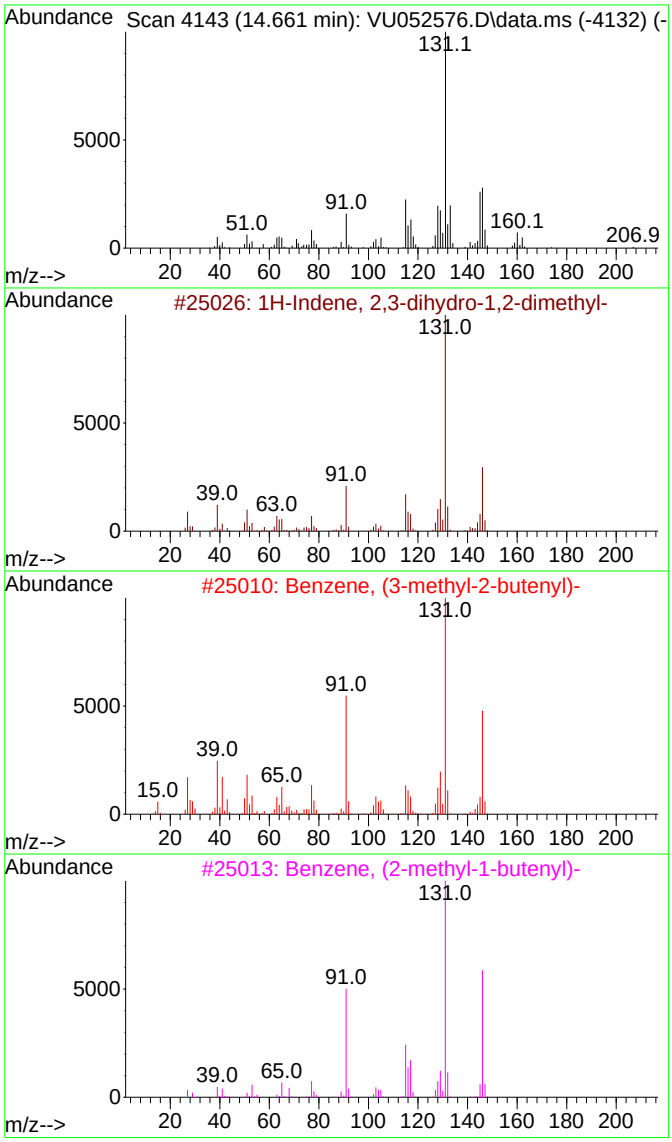
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

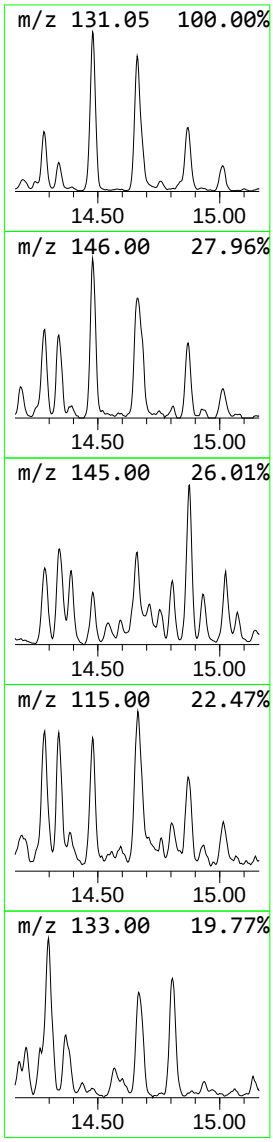
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.661	2.30 ug/L	293212	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	76
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052576.D
Acq On : 27 Dec 2022 19:46
Operator : JC/MD
Sample : N6169-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.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...	1.359	8.2	ug/L	731145	1	6.247	447817	5.0
(DEL) Alkane: S...	1.996	1.9	ug/L	167585	1	6.247	447817	5.0
(DEL) Alkane: S...	2.208	3.2	ug/L	290549	1	6.247	447817	5.0
(DEL) Alkane: S...	3.697	4.8	ug/L	434798	1	6.247	447817	5.0
(DEL) Alkane: C...	4.530	5.8	ug/L	514672	1	6.247	447817	5.0
(DEL) Alkane: S...	5.459	2.5	ug/L	227047	1	6.247	447817	5.0
(DEL) Alkane: S...	5.591	6.1	ug/L	546496	1	6.247	447817	5.0
(DEL) Alkane: C...	5.845	4.3	ug/L	389598	1	6.247	447817	5.0
(DEL) Alkane: C...	5.919	3.0	ug/L	270042	1	6.247	447817	5.0
(DEL) Alkane: C...	5.986	7.3	ug/L	651771	1	6.247	447817	5.0
(DEL) Alkane: S...	6.131	7.4	ug/L	662658	1	6.247	447817	5.0
(DEL) Alkane: C...	6.976	3.0	ug/L	270172	1	6.247	447817	5.0
(DEL) Alkane: C...	7.070	3.4	ug/L	301406	1	6.247	447817	5.0
(DEL) Alkane: C...	7.230	4.8	ug/L	433674	1	6.247	447817	5.0
Cyclobutane, (1...	7.391	2.5	ug/L	219199	1	6.247	447817	5.0
(DEL) Alkane: S...	7.494	3.5	ug/L	313862	1	6.247	447817	5.0
(DEL) Alkane: S...	7.655	4.2	ug/L	376073	1	6.247	447817	5.0
Cyclohexene, 1-...	7.758	2.9	ug/L	259474	1	6.247	447817	5.0
(DEL) Alkane: C...	8.021	2.9	ug/L	301871	2	9.414	530325	5.0
(DEL) Alkane: S...	8.124	2.0	ug/L	217199	2	9.414	530325	5.0
(DEL) Alkane: C...	8.237	6.8	ug/L	719926	2	9.414	530325	5.0
(DEL) Alkane: C...	8.362	3.0	ug/L	321957	2	9.414	530325	5.0
1,4-Pentadiene,...	8.407	1.9	ug/L	196446	2	9.414	530325	5.0
(DEL) Alkane: C...	8.803	2.5	ug/L	267820	2	9.414	530325	5.0
(DEL) Alkane: C...	8.861	6.2	ug/L	654578	2	9.414	530325	5.0
(DEL) Alkane: C...	8.922	4.9	ug/L	518092	2	9.414	530325	5.0
(DEL) Alkane: S...	9.066	2.6	ug/L	276404	2	9.414	530325	5.0
(DEL) Alkane: C...	9.160	1.9	ug/L	199263	2	9.414	530325	5.0
(DEL) Alkane: S...	9.208	1.5	ug/L	160089	2	9.414	530325	5.0
(DEL) Alkane: S...	9.330	2.9	ug/L	309721	2	9.414	530325	5.0
(DEL) Alkane: C...	10.028	4.1	ug/L	436218	2	9.414	530325	5.0
Bicyclo[3.3.1]n...	10.269	5.3	ug/L	559342	2	9.414	530325	5.0
(DEL) Alkane: C...	10.352	4.9	ug/L	522441	2	9.414	530325	5.0
(DEL) Alkane: C...	10.806	1.3	ug/L	165617	3	11.806	638677	5.0
Benzene, propyl-	10.899	2.6	ug/L	333600	3	11.806	638677	5.0
Benzene, 1-ethy...	11.018	3.0	ug/L	377642	3	11.806	638677	5.0
Benzene, 1-ethy...	11.288	1.7	ug/L	211826	3	11.806	638677	5.0
Benzene, 1,2-di...	12.092	3.2	ug/L	412378	3	11.806	638677	5.0
Benzene, 2-ethy...	12.462	1.4	ug/L	179332	3	11.806	638677	5.0
Benzene, 4-ethy...	12.565	5.0	ug/L	638513	3	11.806	638677	5.0
Indan, 1-methyl-	12.677	5.5	ug/L	698265	3	11.806	638677	5.0
Benzene, 1,2,3,...	12.967	3.4	ug/L	432948	3	11.806	638677	5.0
Benzene, 1,2,4,...	13.021	1.5	ug/L	196906	3	11.806	638677	5.0
Benzene, 1-meth...	13.102	1.7	ug/L	213015	3	11.806	638677	5.0
Benzene, 2-ethe...	13.288	2.5	ug/L	324999	3	11.806	638677	5.0
1H-Indene, 2,3-...	13.449	7.4	ug/L	949098	3	11.806	638677	5.0
Naphthalene, 1,...	13.619	1.6	ug/L	207072	3	11.806	638677	5.0
Benzene, (1,2-d...	13.729	1.3	ug/L	159713	3	11.806	638677	5.0
Benzene, (3-met...	13.780	2.5	ug/L	323403	3	11.806	638677	5.0
1H-Indene, 2,3-...	13.832	3.0	ug/L	388957	3	11.806	638677	5.0
1H-Indene, 2,3-...	13.934	3.7	ug/L	475494	3	11.806	638677	5.0
Benzene, (1-eth...	14.282	1.7	ug/L	220803	3	11.806	638677	5.0

1H-Indene, 2,3-...	14.478	1.4	ug/L	184108	3	11.806	638677	5.0
1H-Indene, 2,3-...	14.661	2.3	ug/L	293212	3	11.806	638677	5.0

Instrument :
MSVOA_U
ClientSampleId :
GBQA6