LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

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: VU052547.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.639	85	93	104	rBV2	399619	450450	7.05%	0.683%
2	1.967	186	195	208	rVB	72200	99096	1.55%	0.150%
3	2.050	210	221	241	rBV	1719665	2416591	37.81%	3.665%
4	2.263	278	287	307	rVB3	447878	914429	14.31%	1.387%
5	2.530	358	370	391	rBV	2001704	3180185	49.76%	4.824%
6	2.636	392	403	408	rBV	132560	243515	3.81%	0.369%
7	3.112	523	551	560	rBV3	475597	1300705	20.35%	1.973%
8	3.211	571	582	601	rVB2	1110138	2329268	36.45%	3.533%
9	3.430	639	650	672	rVB	304738	688823	10.78%	1.045%
10	3.642	691	716	736	rVB2	62027	167749	2.62%	0.254%
11	3.767	743	755	768	rVB2	42006	91170	1.43%	0.138%
12	3.899	783	796	816	rVB4	27060	69122	1.08%	0.105%
13	4.050	826	843	861	rBV2	419955	1016127	15.90%	1.541%
14	4.163	861	878	892	rVV2	304813	784830	12.28%	1.190%
15	4.240	893	902	916	rVV2	81682	203537	3.18%	0.309%
16	4.327	917	929	938	rVV3	50066	119711	1.87%	0.182%
17	4.404	939	953	972	rVV	383762	978709	15.31%	1.484%
18	4.497	975	982	994	rVV2	78958	171642	2.69%	0.260%
19	4.597	995	1013	1026	rVV	1202216	2841749	44.46%	4.310%
20	4.674	1027	1037	1048	rVV	352876	806578	12.62%	1.223%
21	4.742	1050	1058	1095	rVB4	171979	598793	9.37%	0.908%
22	5.044	1138	1152	1163	rBV2	36924	93110	1.46%	0.141%
23	5.124	1165	1177	1182	rBV	128545	251171	3.93%	0.381%
24	5.163	1183	1189	1195	rVV	175409	328630	5.14%	0.498%
25	5.218	1196	1206	1222	rVB	732233	1457209	22.80%	2.210%
26	5.327	1231	1240	1251	rVB4	66027	136819	2.14%	0.208%
27	5.410	1252	1266	1278	rBV	1015904	2178993	34.09%	3.305%
28	5.478	1278	1287	1310	rVB2	318351	827127	12.94%	1.255%
29	5.642	1329	1338	1352	rVB	135692	281745	4.41%	0.427%
30	5.738	1354	1368	1372	rBV2	312263	605549	9.47%	0.918%
31	5.783	1372	1382	1394	rVV	1897709	3701452	57.92%	5.614%
32	5.848	1395	1402	1407	rVV2	131199	240967	3.77%	0.365%
33	5.896	1408	1417	1430	rVV5	432176	968617	15.16%	1.469%
34	5.976	1431	1442	1459	rVB6	336256	943558	14.76%	1.431%
35	6.050	1459	1465	1484	rBV	219275	741518	11.60%	1.125%
36	6.295	1528	1541	1543	rBV2	131320	281287	4.40%	0.427%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

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	6.629	1633	1645	1663	rBV3	405718	1039080	16.26%	1.576%
38	6.783	1684	1693	1698	rBV2	162875	294812	4.61%	0.447%
39	6.841	1704	1711	1726	rVB3	506879	980920	15.35%	1.488%
40	7.054	1771	1777	1795	rVB4	50200	88768	1.39%	0.135%
41	7.227	1823	1831	1835	rBV5	117208	195291	3.06%	0.296%
42	7.455	1890	1902	1910	rBV	229595	434543	6.80%	0.659%
43	7.626	1949	1955	1986	rVB3	132670	322986	5.05%	0.490%
44	7.809	2002	2012	2031	rVB	434538	790170	12.36%	1.198%
45	7.909	2034	2043	2047	rVV	113217	183951	2.88%	0.279%
46	7.947	2048	2055	2065	rVV	318731	528273	8.27%	0.801%
47	8.018	2066	2077	2089	rVB	469337	783925	12.27%	1.189%
48	8.288	2152	2161	2175	rVB5	84731	180961	2.83%	0.274%
49	8.446	2203	2210	2223	rVB	164345	280446	4.39%	0.425%
50	8.677	2271	2282	2295	rBV	436785	868718	13.59%	1.318%
51	9.102	2406	2414	2427	rVB4	48218	87742	1.37%	0.133%
52	9.439	2509	2519	2528	rBV	273996	456473	7.14%	0.692%
53	9.590	2555	2566	2584	rVB	1883482	3026441	47.35%	4.590%
54	9.709	2590	2603	2621	rVB	3273513	5350711	83.72%	8.116%
55	10.114	2720	2729	2743	rVB	120965	194810	3.05%	0.295%
56	10.494	2837	2847	2858	rBV	298830	464522	7.27%	0.705%
57	10.764	2921	2931	2951	rVB	154844	265205	4.15%	0.402%
58	10.912	2965	2977	2990	rBV	620257	957164	14.98%	1.452%
59	11.028	3007	3013	3023	rVB	108535	161865	2.53%	0.246%
60	11.092	3025	3033	3048	rVB	108212	176343	2.76%	0.267%
61	11.294	3085	3096	3122	rVB	607518	961131	15.04%	1.458%
62	11.812	3246	3257	3272	rVB	302329	487112	7.62%	0.739%
63	11.896	3272	3283	3294	rBV	213260	330870	5.18%	0.502%
64	12.095	3331	3345	3363	rBV	4187440	6391157	100.00%	9.694%
65	12.192	3363	3375	3389	rVB3	443527	783059	12.25%	1.188%
66	12.304	3400	3410	3422	rVB4	64625	111073	1.74%	0.168%
67	12.375	3424	3432	3442	rVB	62270	91712	1.43%	0.139%
68	12.571	3480	3493	3499	rBV	278523	425753	6.66%	0.646%
69	12.610	3499	3505	3516	rVV	219227	338001	5.29%	0.513%
70	12.680	3516	3527	3545	rVB	588978	969345	15.17%	1.470%
71	12.864	3576	3584	3599	rVB5	32717	74457	1.17%	0.113%
72	12.970	3605	3617	3629	rBV	202567	312121	4.88%	0.473%
73	13.114	3653	3662	3673	rVB2	51721	84232	1.32%	0.128%
74	13.291	3708	3717	3725	rBV	203185	309405	4.84%	0.469%
75	13.452	3745	3767	3780	rBV	867368	1383211	21.64%	2.098%
76	13.519	3781	3788	3802	rVB5	47570	77334	1.21%	0.117%

LSC Area Percent Report

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Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

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

77	13.622	3810	3820	3834	rVB2	197961	317124	4.96%	0.481%
78	13.783	3861	3870	3877	rBV3	49739	78717	1.23%	0.119%
79	13.835	3878	3886	3894	rVV5	50747	83967	1.31%	0.127%
80	13.909	3895	3909	3913	rVV3	68778	140014	2.19%	0.212%
81	13.937	3915	3918	3930	rVB	69737	85034	1.33%	0.129%
82	14.082	3951	3963	3985	rBV	562276	912059	14.27%	1.383%
83	15.754	4476	4483	4494	rBV2	47966	73472	1.15%	0.111%
84	17.455	5003	5012	5047	rBV	267951	486055	7.61%	0.737%

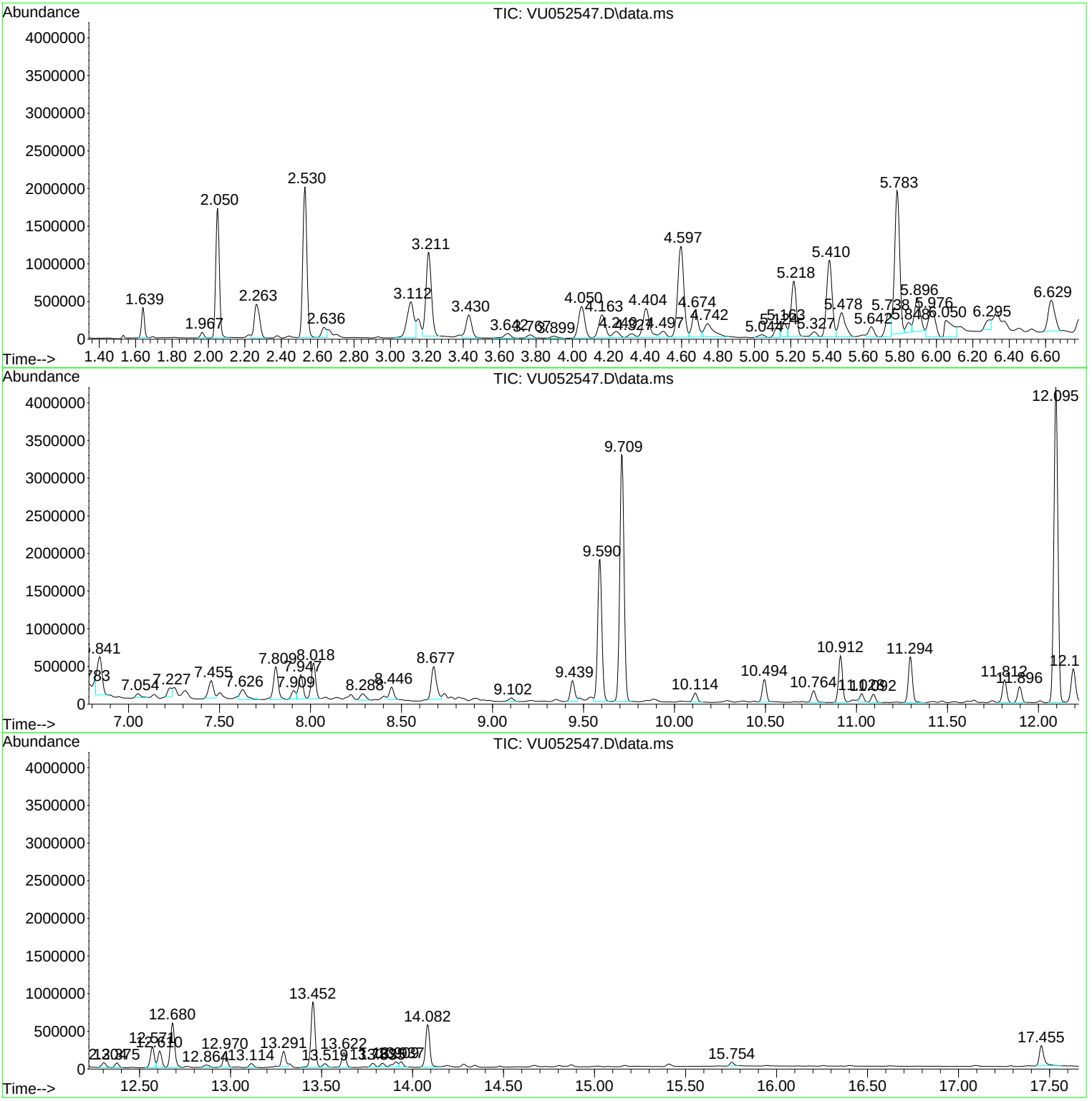
Sum of corrected areas: 65931066

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

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\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

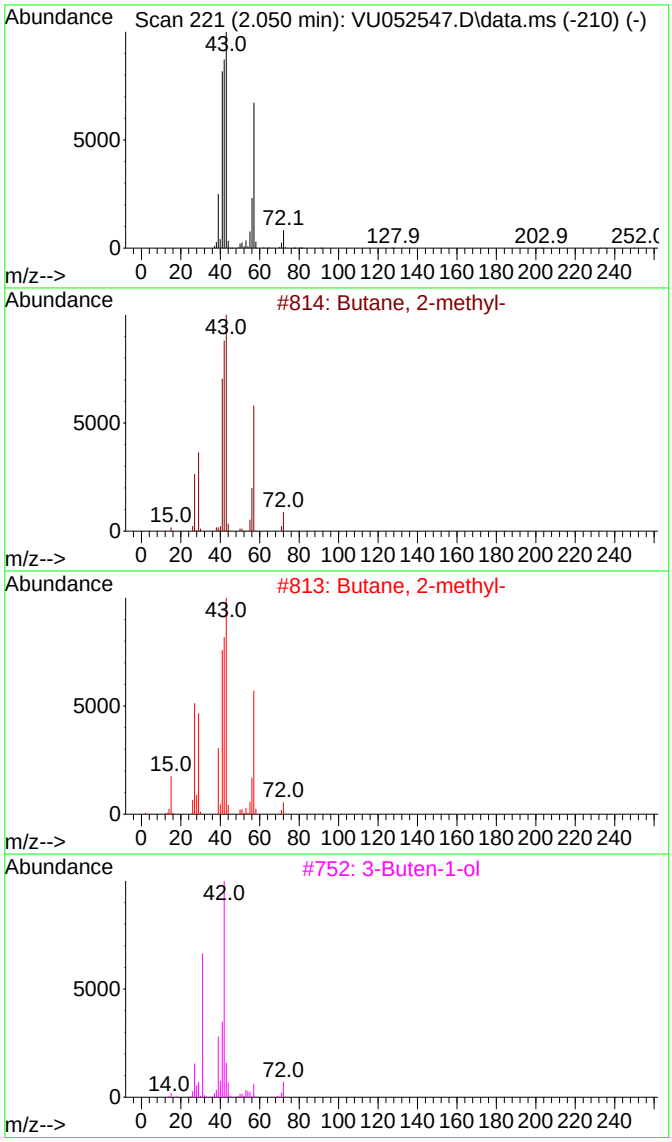
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

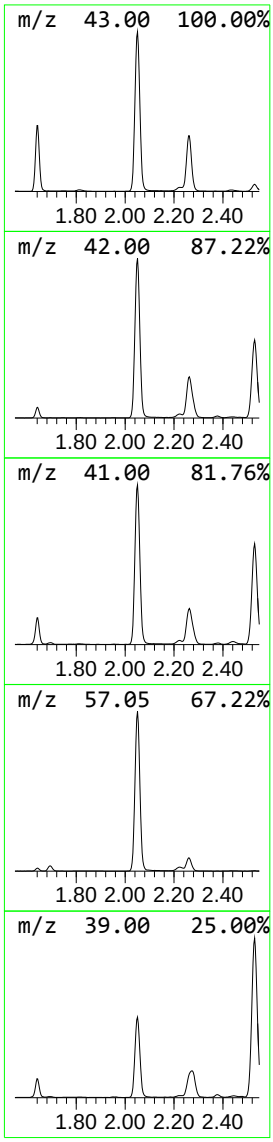
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.050	42.96 ug/L	2416590	1,4-Difluorobenzene	6.282

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

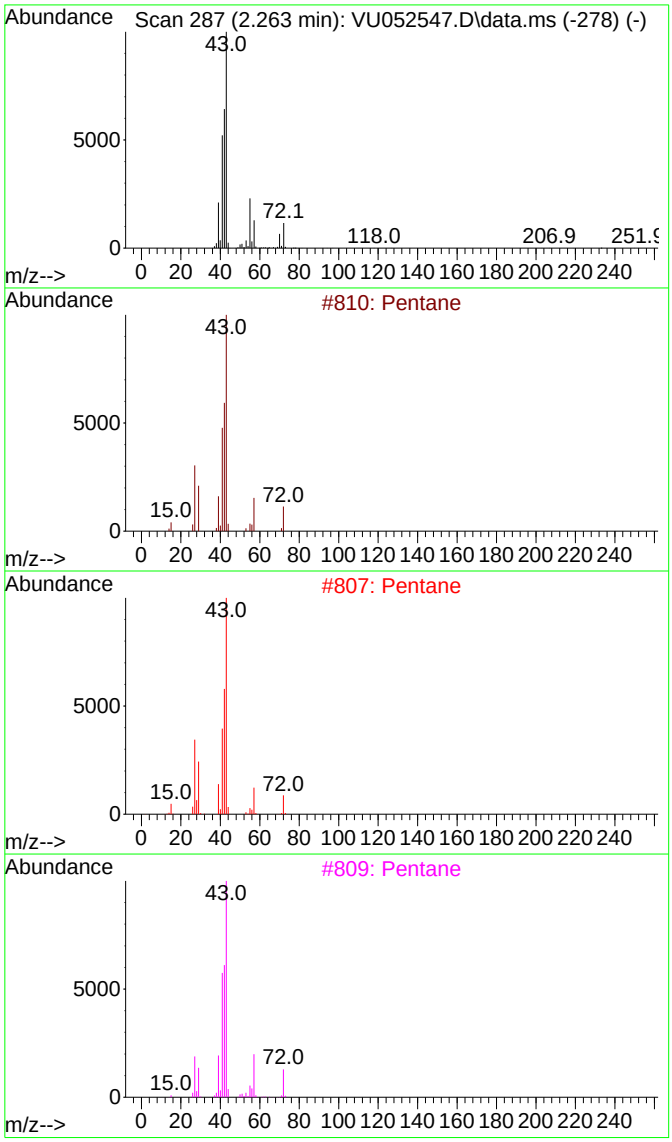
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

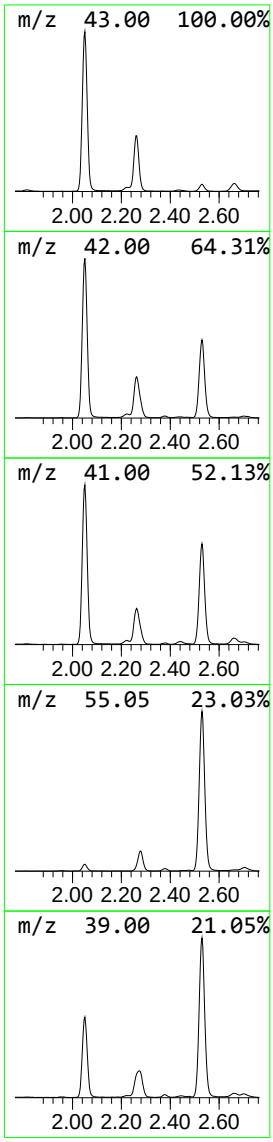
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.263	16.25 ug/L	914429	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	72
4	Pentane	72	C5H12	000109-66-0	64
5	Butane, 2-methyl-	72	C5H12	000078-78-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

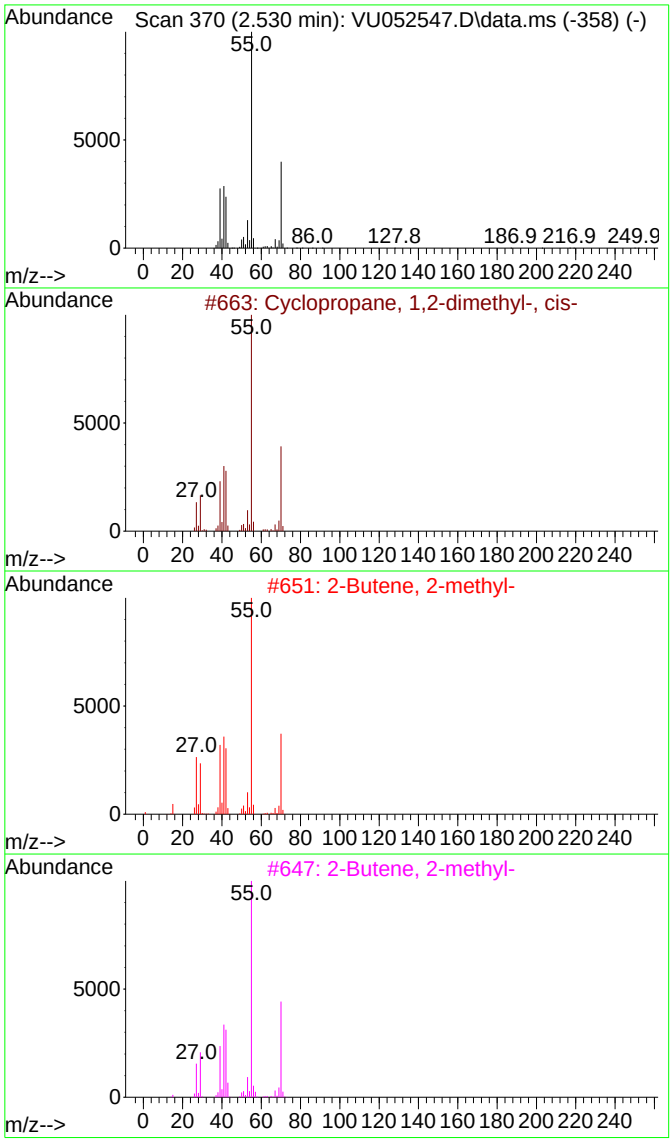
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

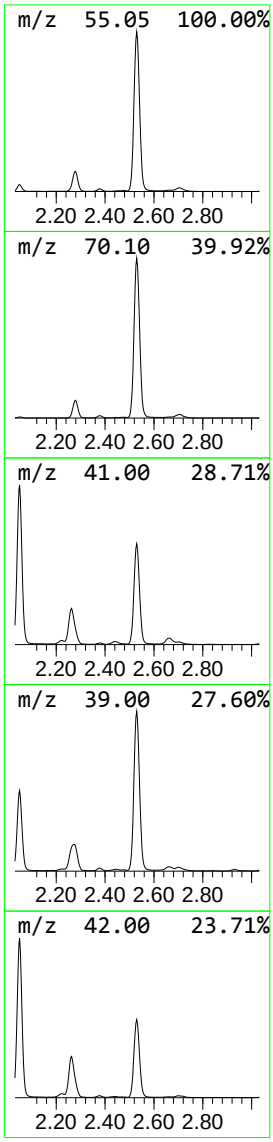
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic2.530 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.530	56.53 ug/L	3180190	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Pentene	70	C5H10	000109-68-2	86
5	2-Methyl-1-butene	70	C5H10	000563-46-2	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

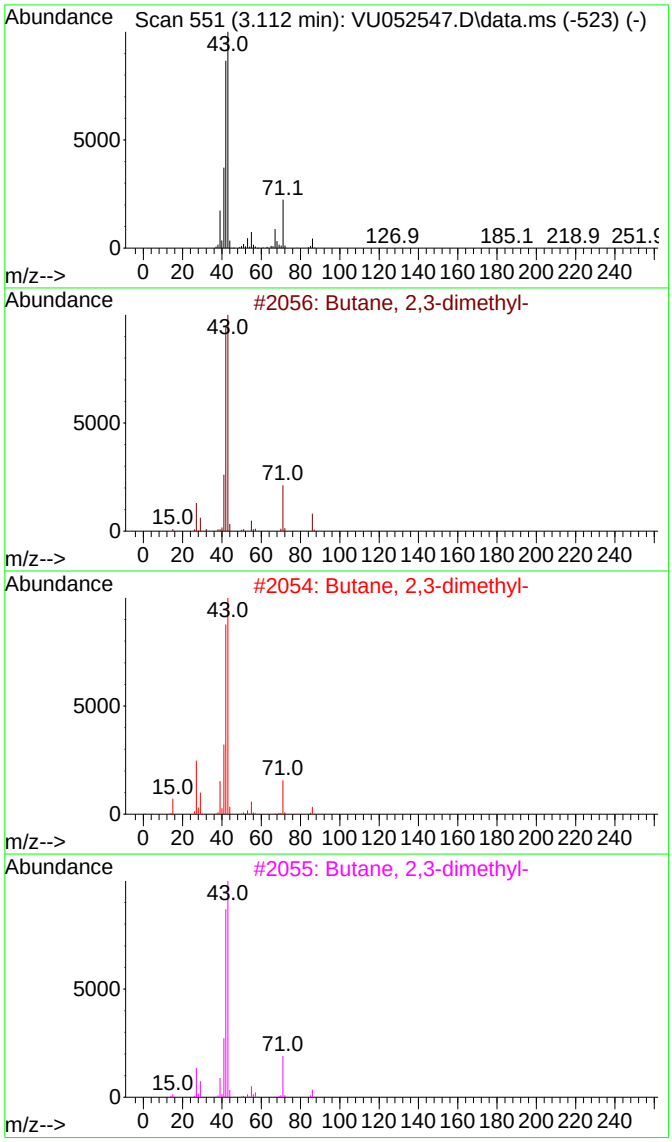
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

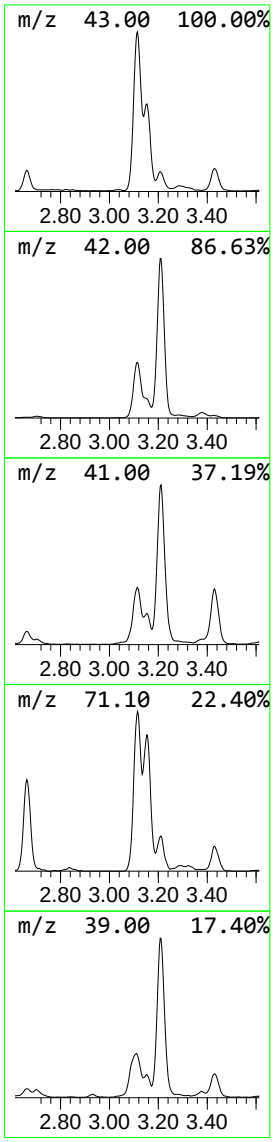
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.112	23.12 ug/L	1300710	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

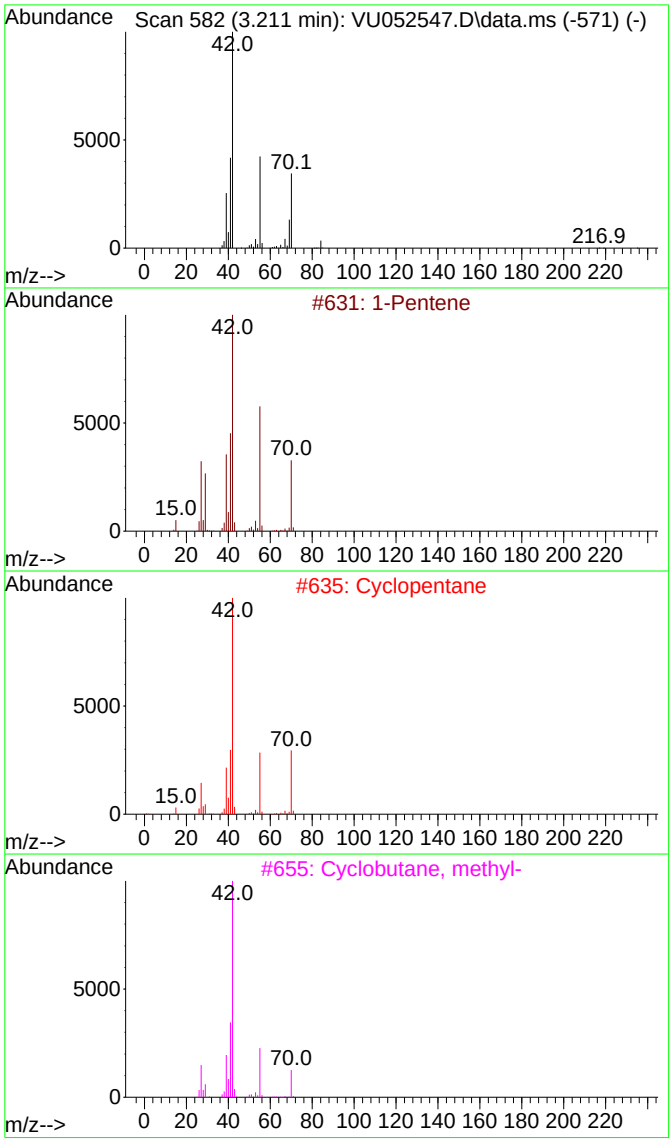
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

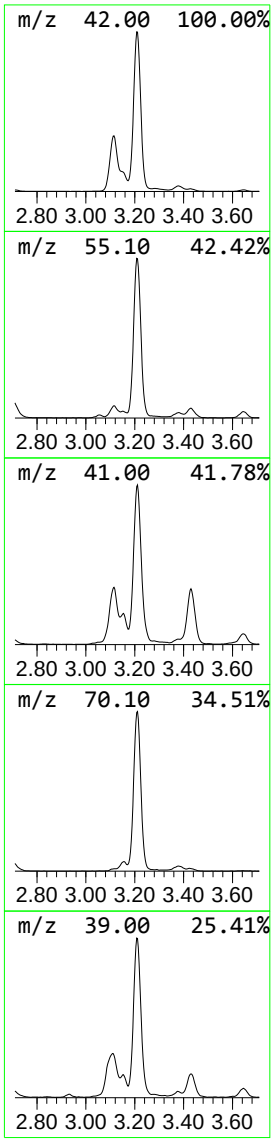
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.211	41.40 ug/L	2329270	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	80
2	Cyclopentane	70	C5H10	000287-92-3	80
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
4	Cyclopentane	70	C5H10	000287-92-3	64
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

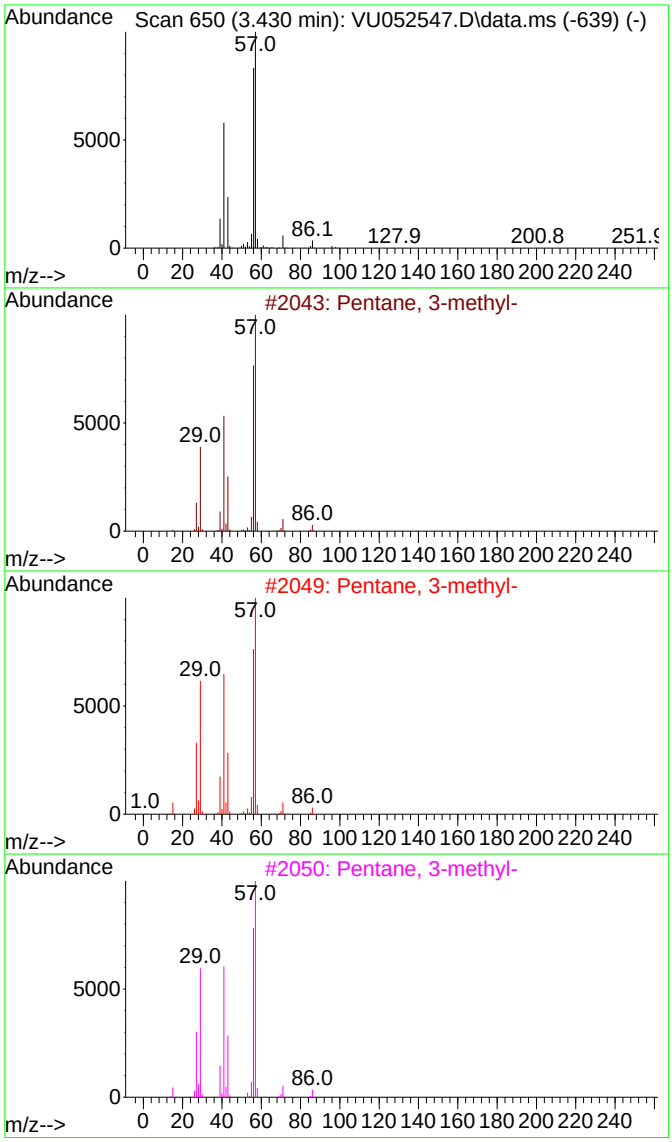
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

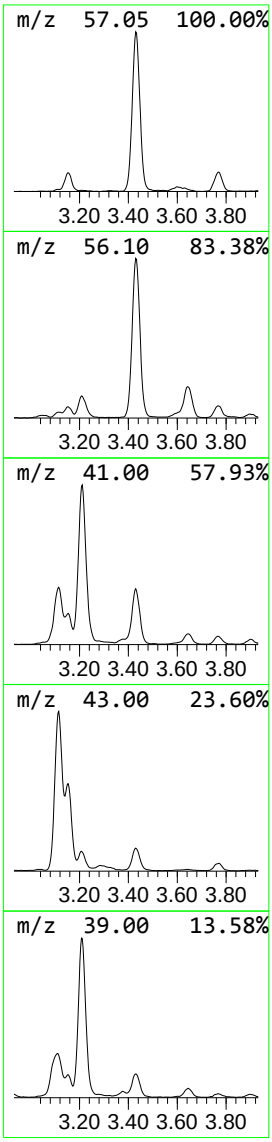
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.430	12.24 ug/L	688823	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Butane, 2-chloro-	92	C4H9Cl	000078-86-4	56
5	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

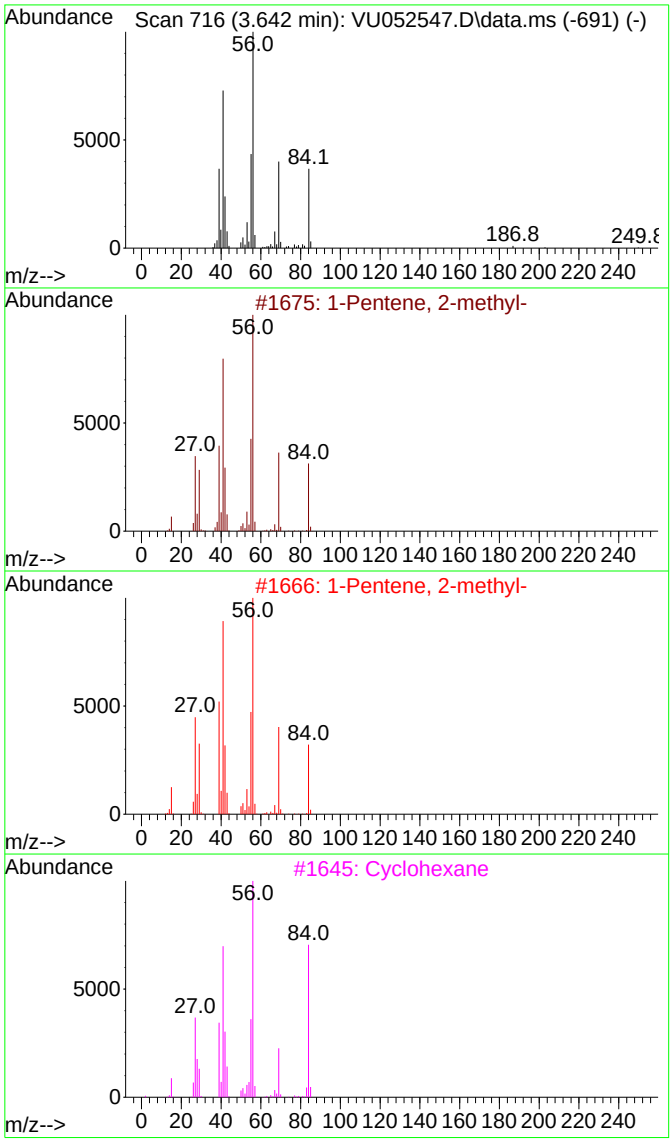
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

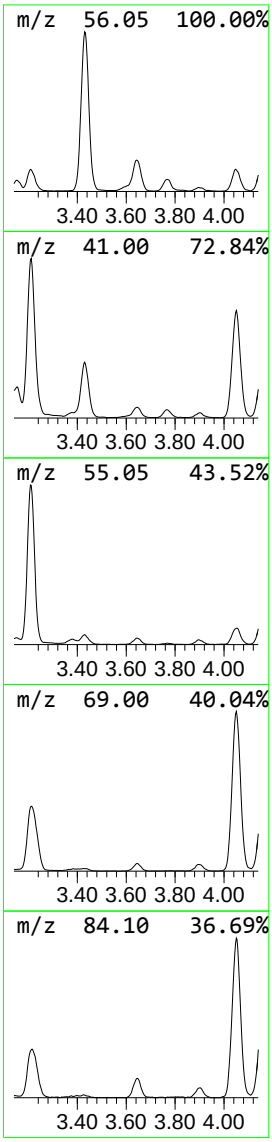
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.642	2.98 ug/L	167749	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	93
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
3	Cyclohexane	84	C6H12	000110-82-7	86
4	Cyclohexane	84	C6H12	000110-82-7	86
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	80





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Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

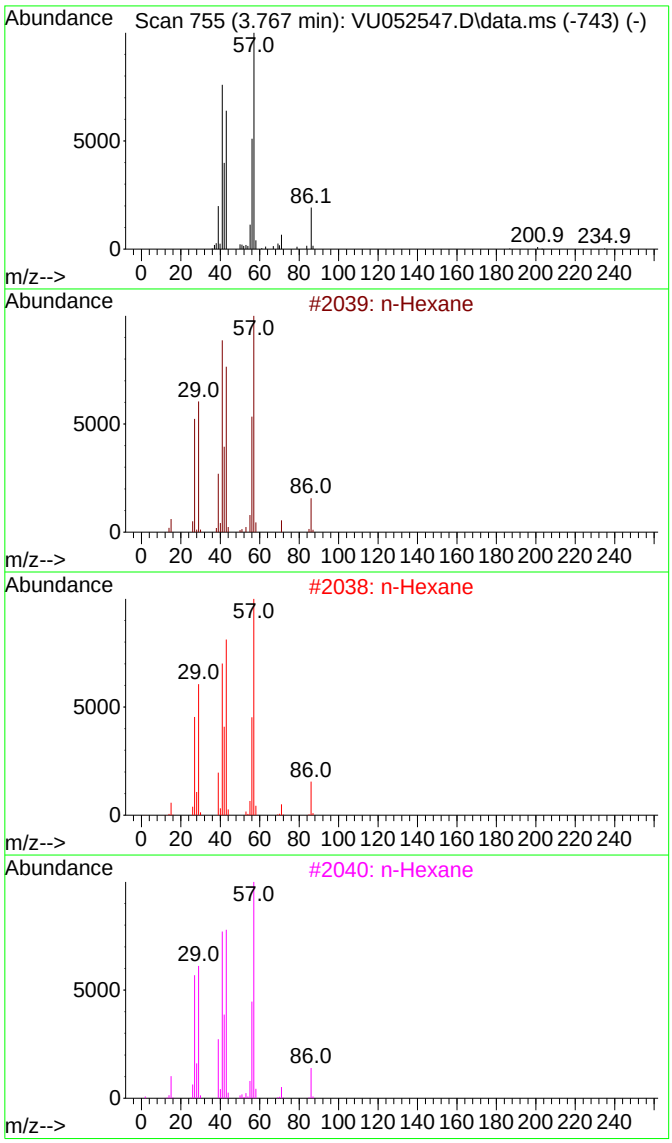
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

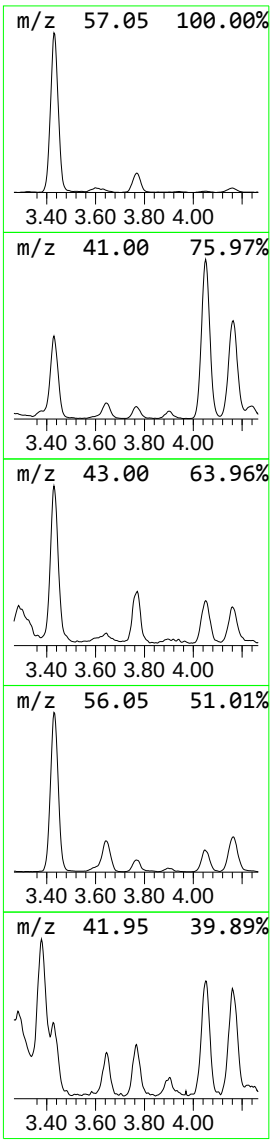
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.767	1.62 ug/L	91170	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	86
3	n-Hexane	86	C6H14	000110-54-3	86
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	47
5	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	42





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Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

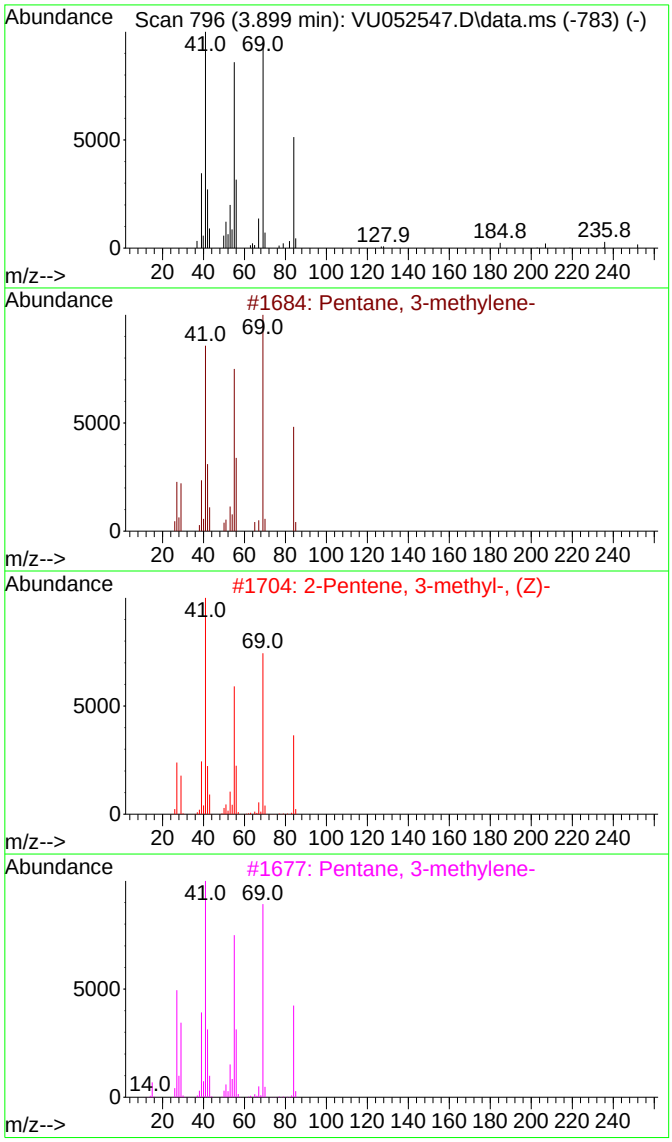
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

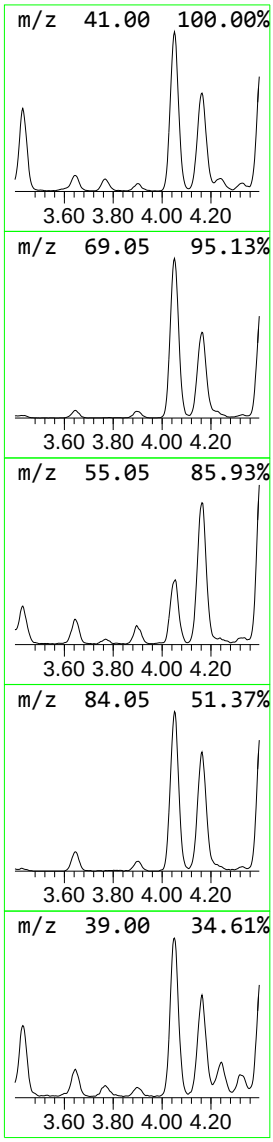
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.899	1.23 ug/L	69122	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methylene-	84	C6H12	000760-21-4	90
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	90
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	90
4	Pentane, 3-methylene-	84	C6H12	000760-21-4	90
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

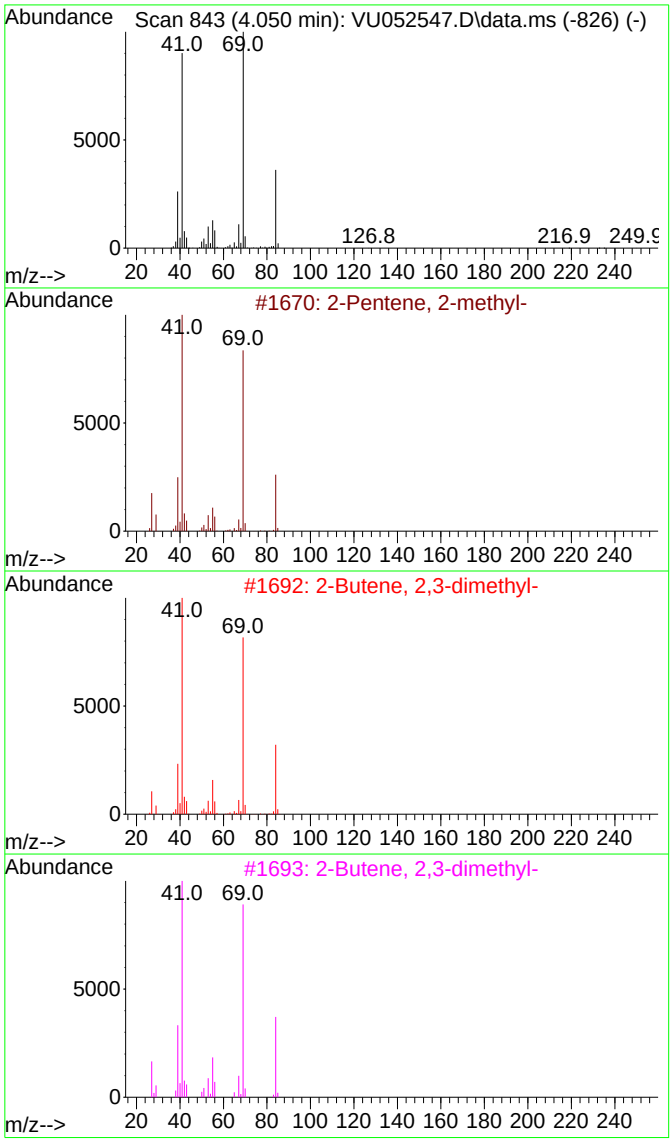
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

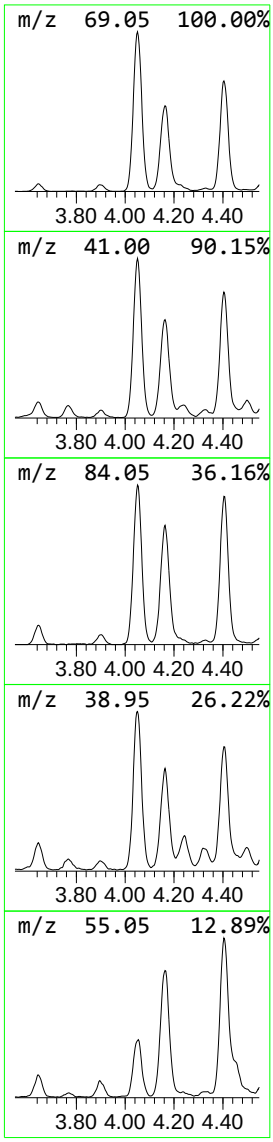
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.050	18.06 ug/L	1016130	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
4	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	91
5	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

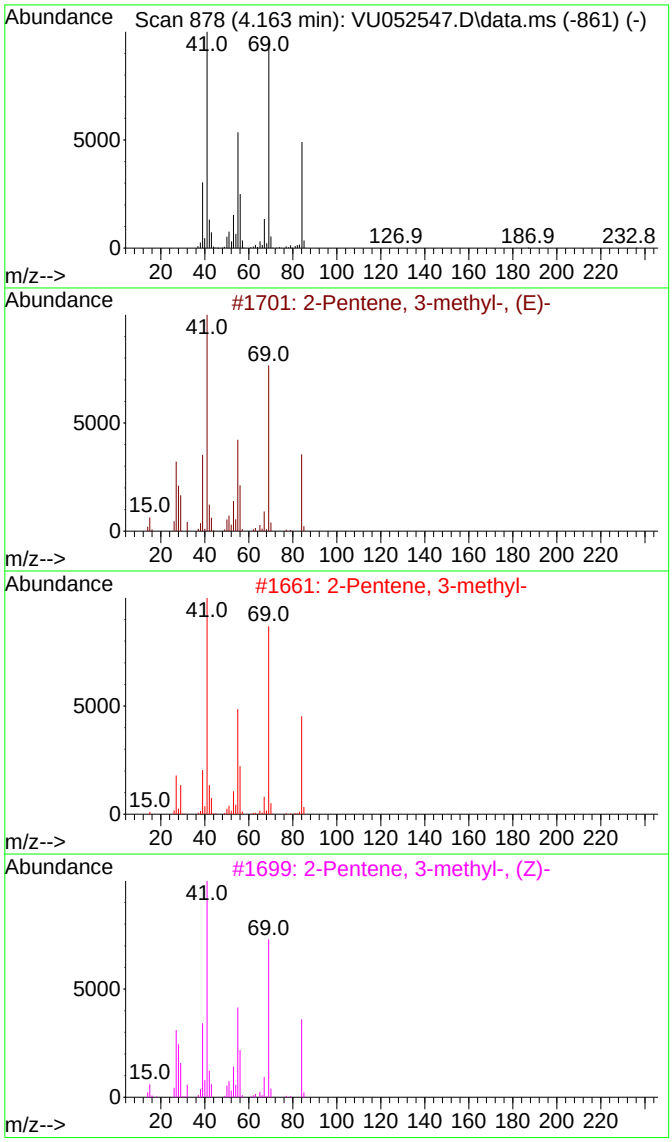
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

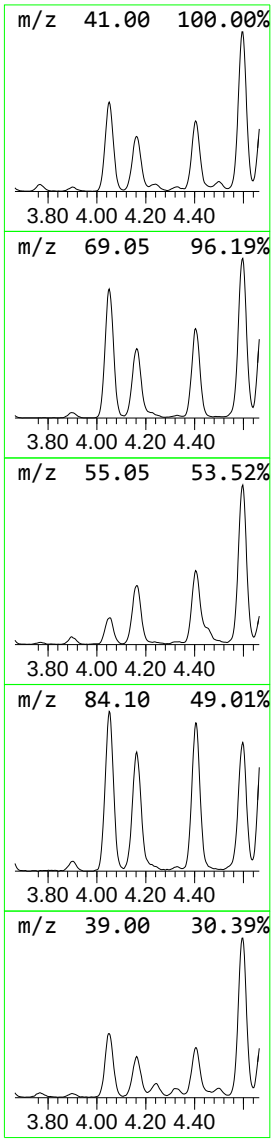
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.163	13.95 ug/L	784830	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	97
2	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	95
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	95
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

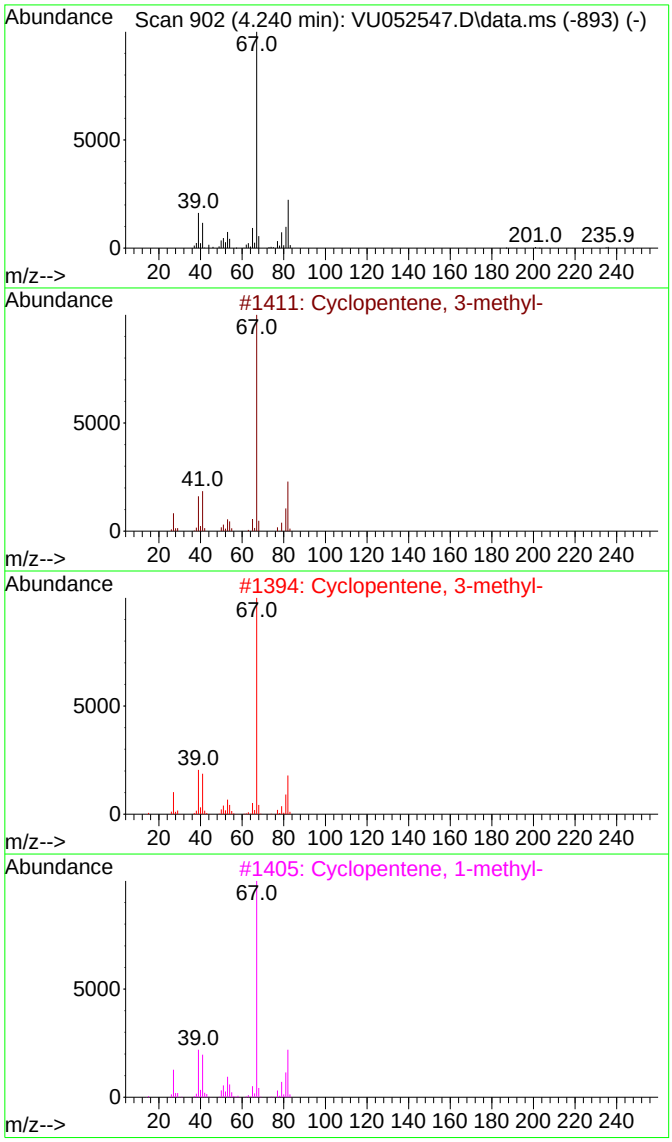
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

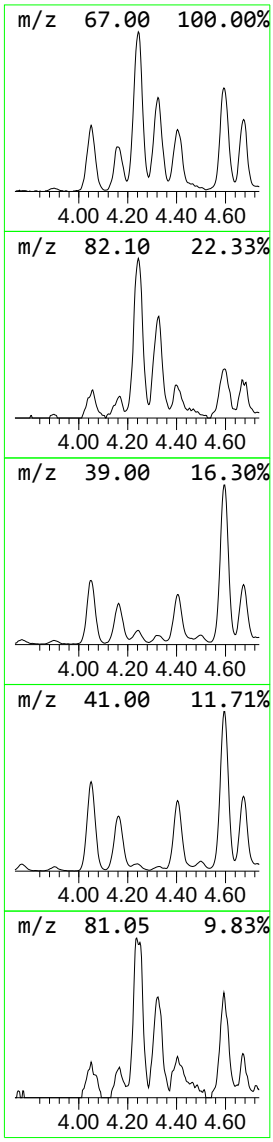
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopentene, 3-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.240	3.62 ug/L	203537	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
4	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	87
5	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

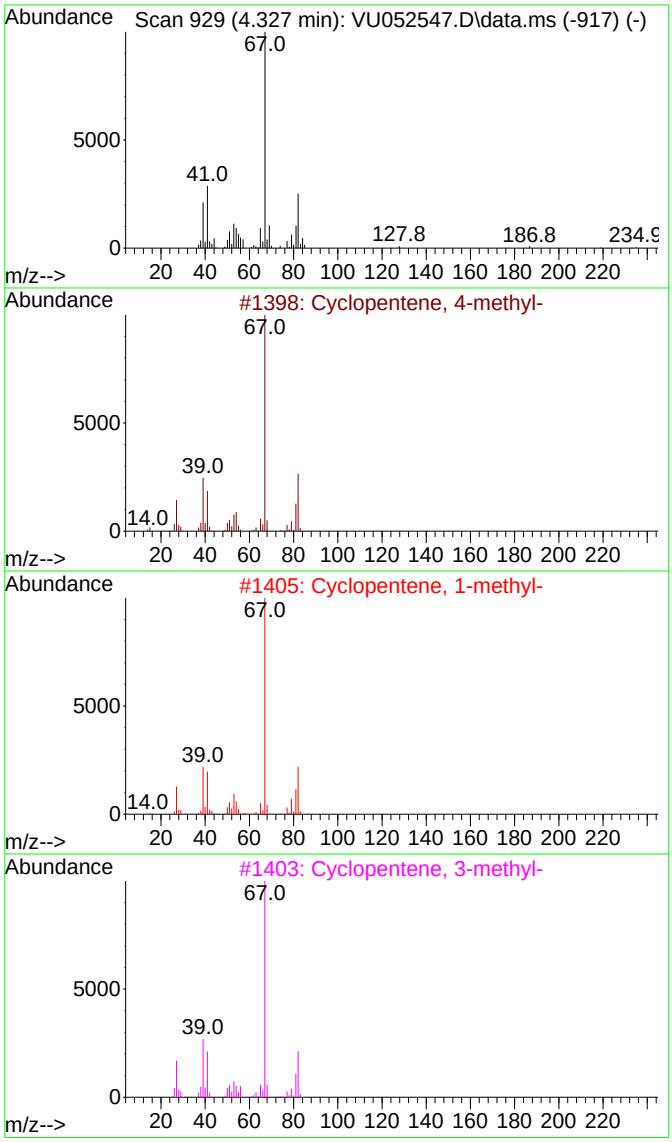
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

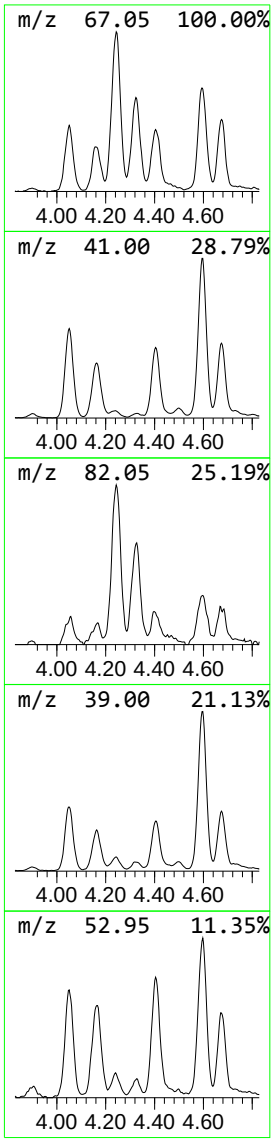
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopentene, 4-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.327	2.13 ug/L	119711	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	87
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	83
4	Isopropenylcyclopropane	82	C6H10	004663-22-3	83
5	Isopropenylcyclopropane	82	C6H10	004663-22-3	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

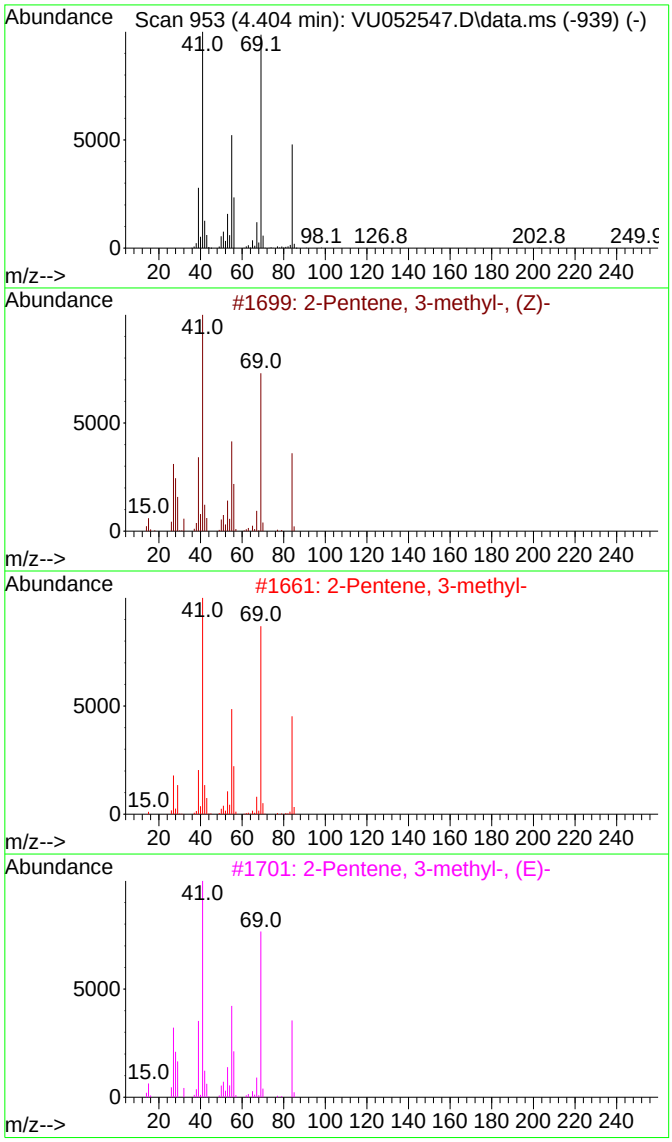
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

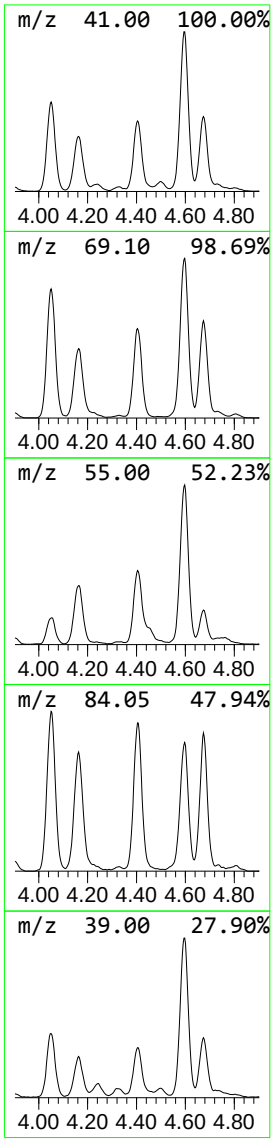
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.404	17.40 ug/L	978709	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
2	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	91
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
4	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

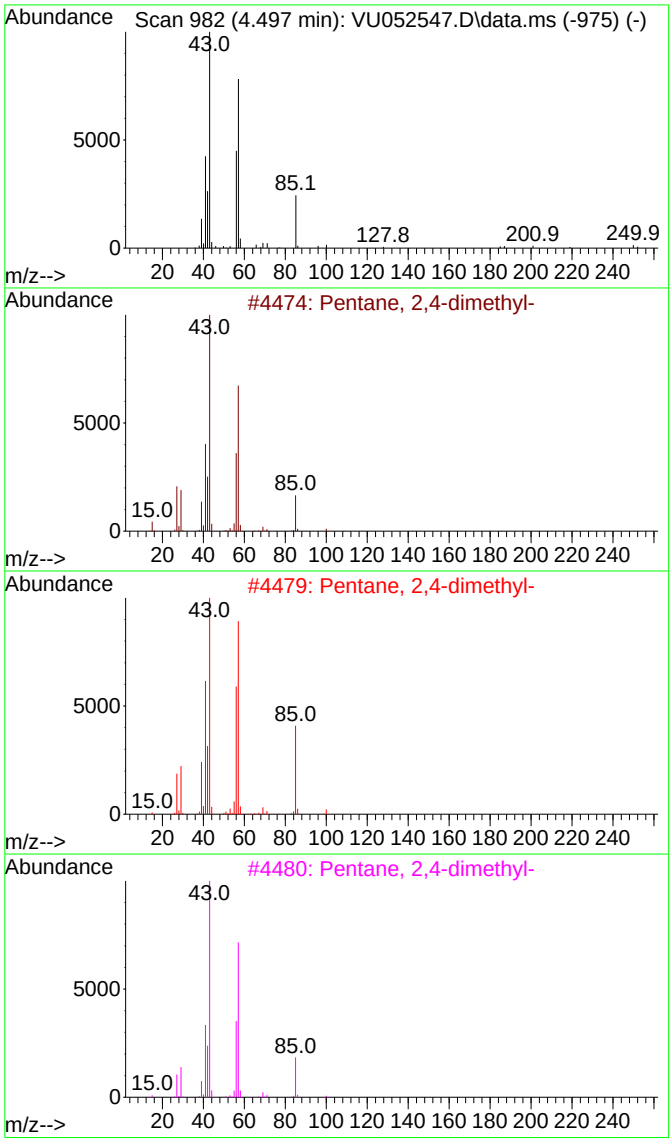
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

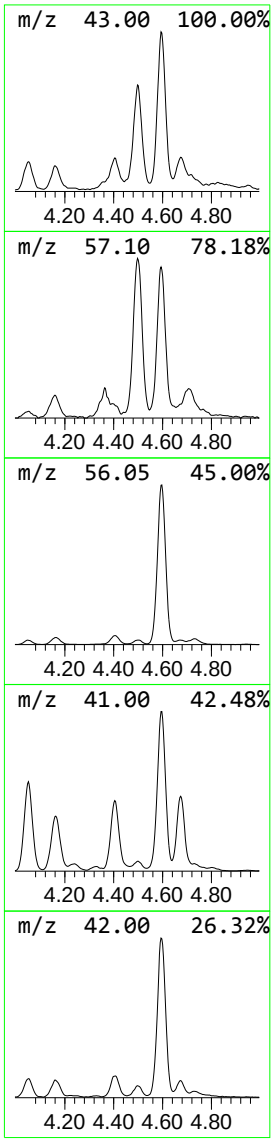
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.497	3.05 ug/L	171642	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	80
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
5	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

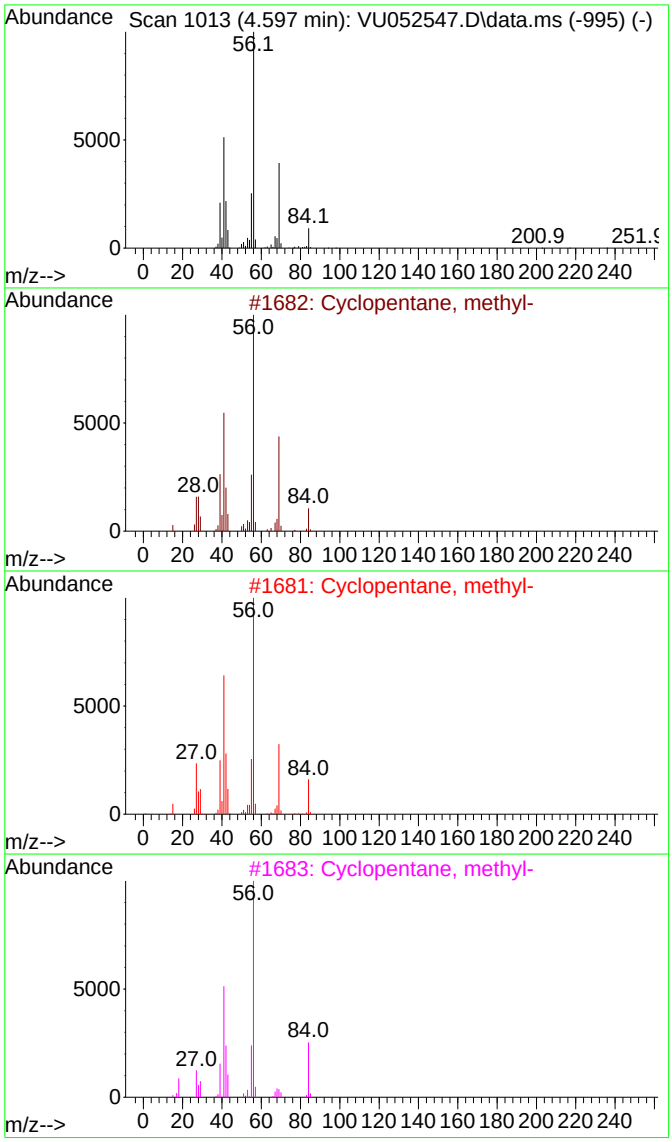
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

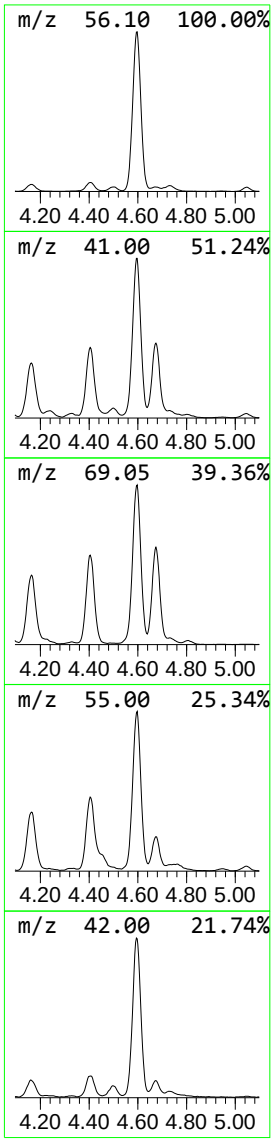
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic4.597 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.597	50.51 ug/L	2841750	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	80
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

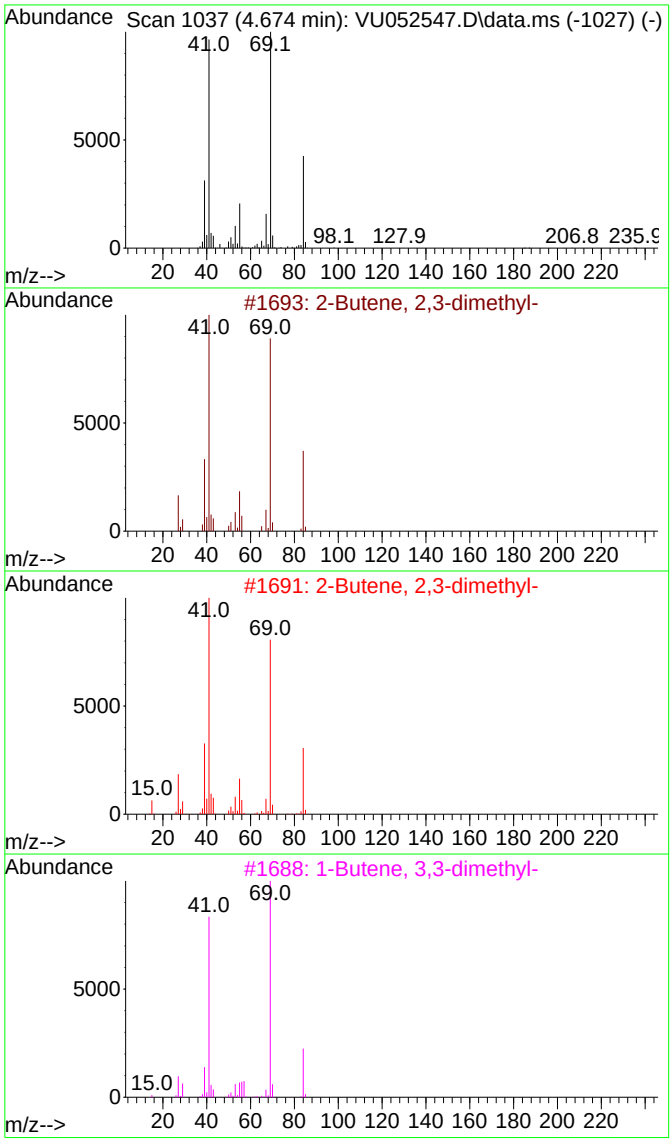
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

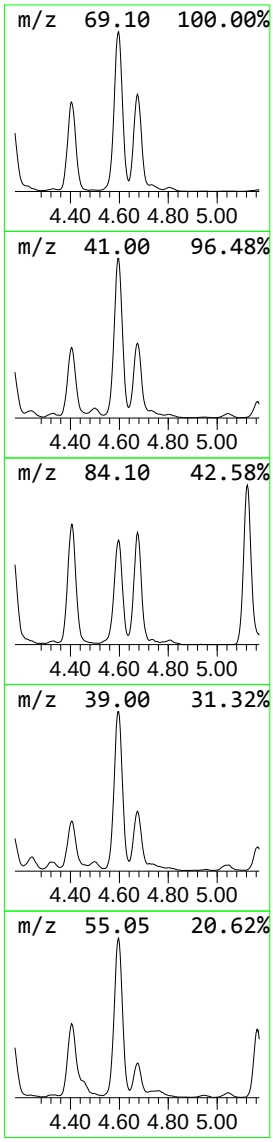
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.674	14.34 ug/L	806578	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	90
3	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	86
4	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	86
5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

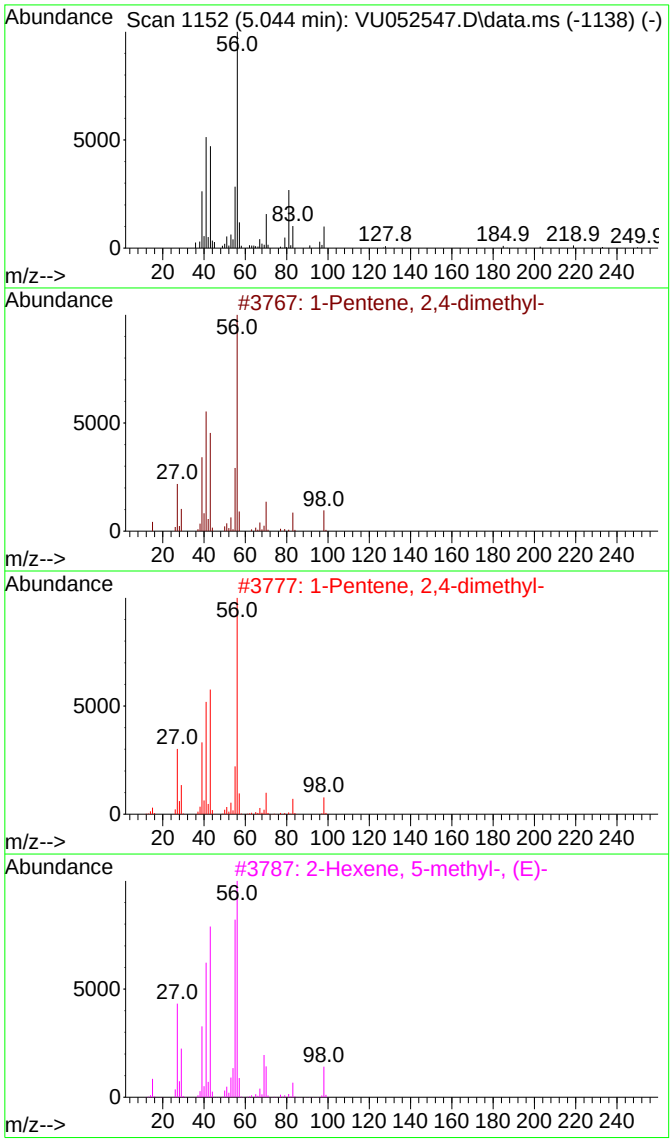
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

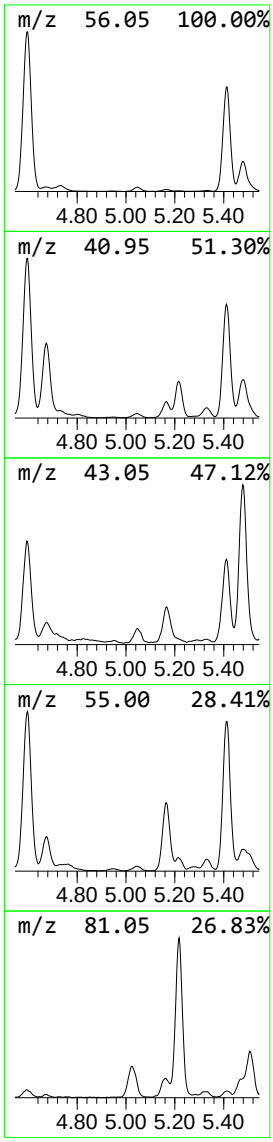
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.044	1.66 ug/L	93110	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	90
2	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	90
3	2-Hexene, 5-methyl-, (E)-	98	C7H14	007385-82-2	86
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	80
5	5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

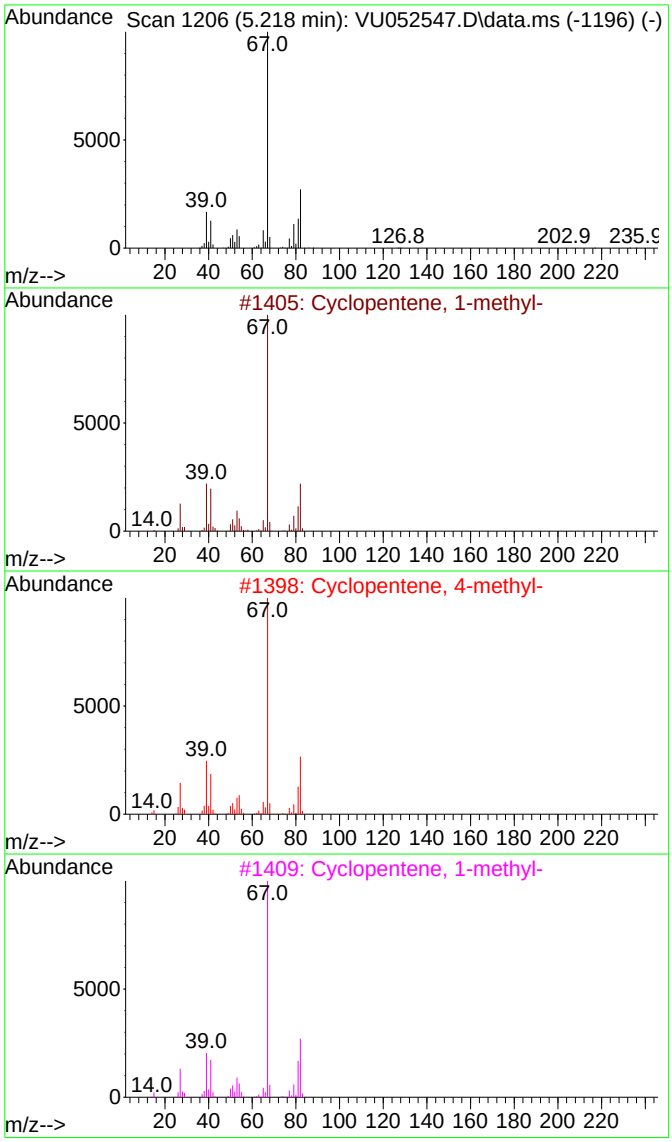
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

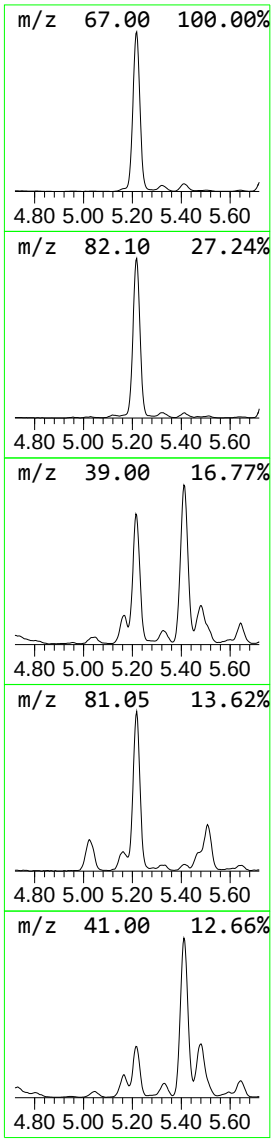
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cyclopentene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.218	25.90 ug/L	1457210	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86





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Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

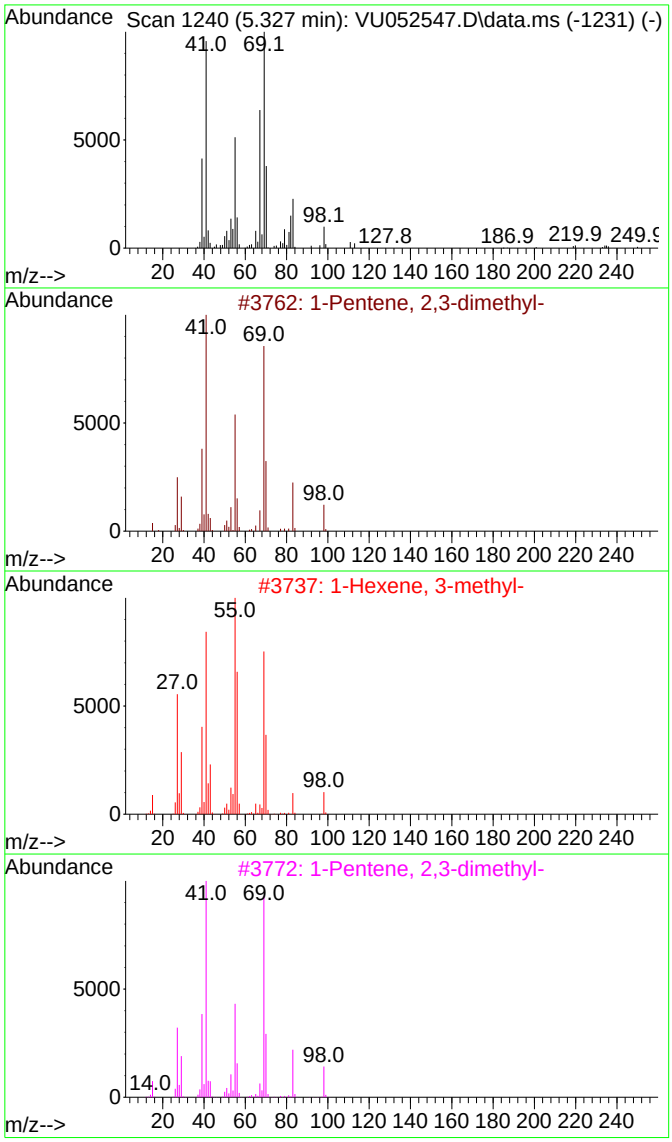
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

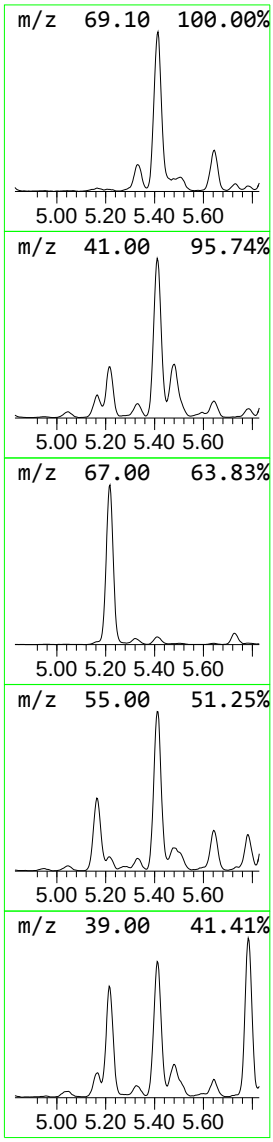
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.327	2.43 ug/L	136819	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	81
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	64
3	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	59
4	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	46
5	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

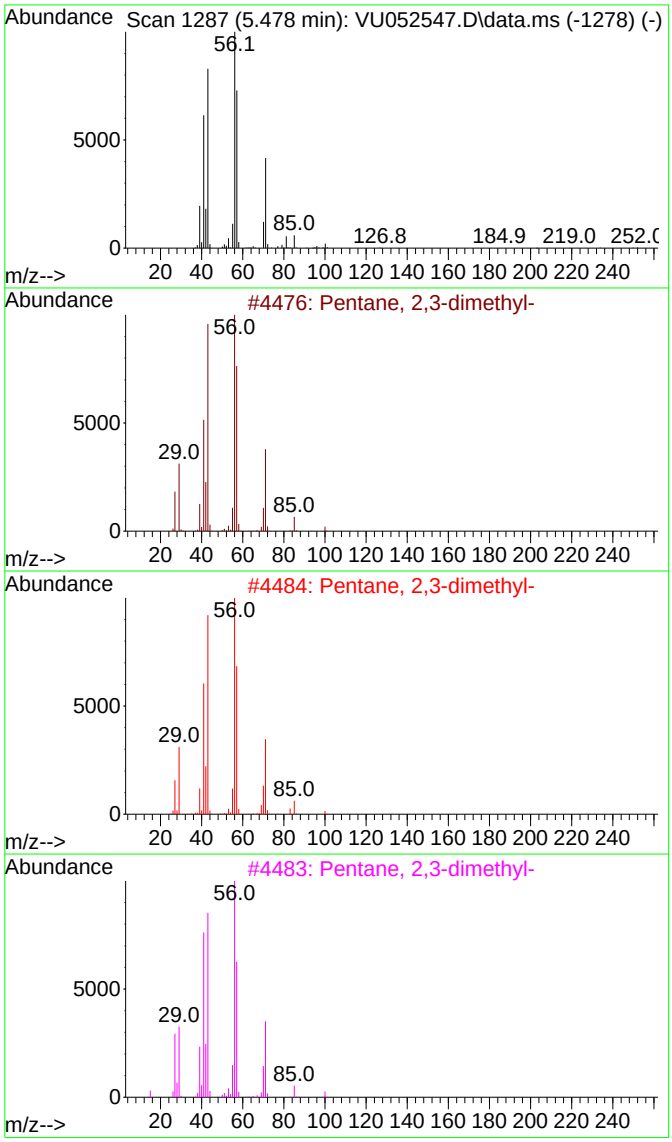
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

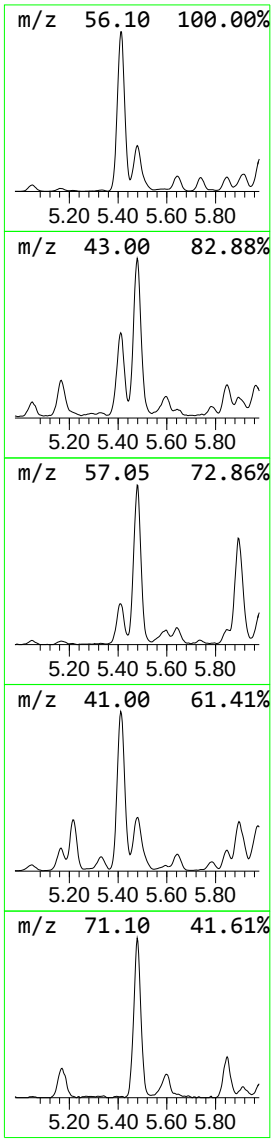
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.478	14.70 ug/L	827127	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

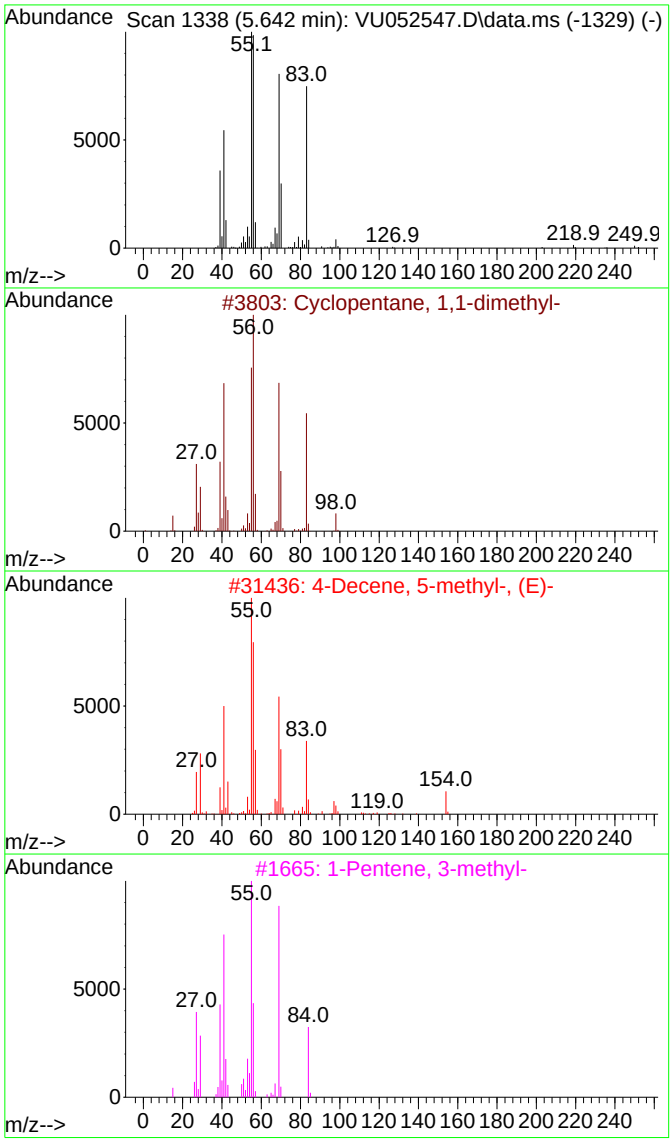
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

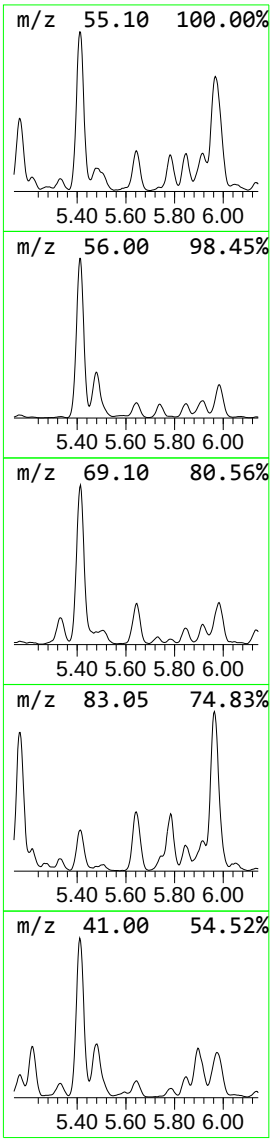
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic5.642 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.642	5.01 ug/L	281745	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	78
2	4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	59
3	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	43
4	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	38
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

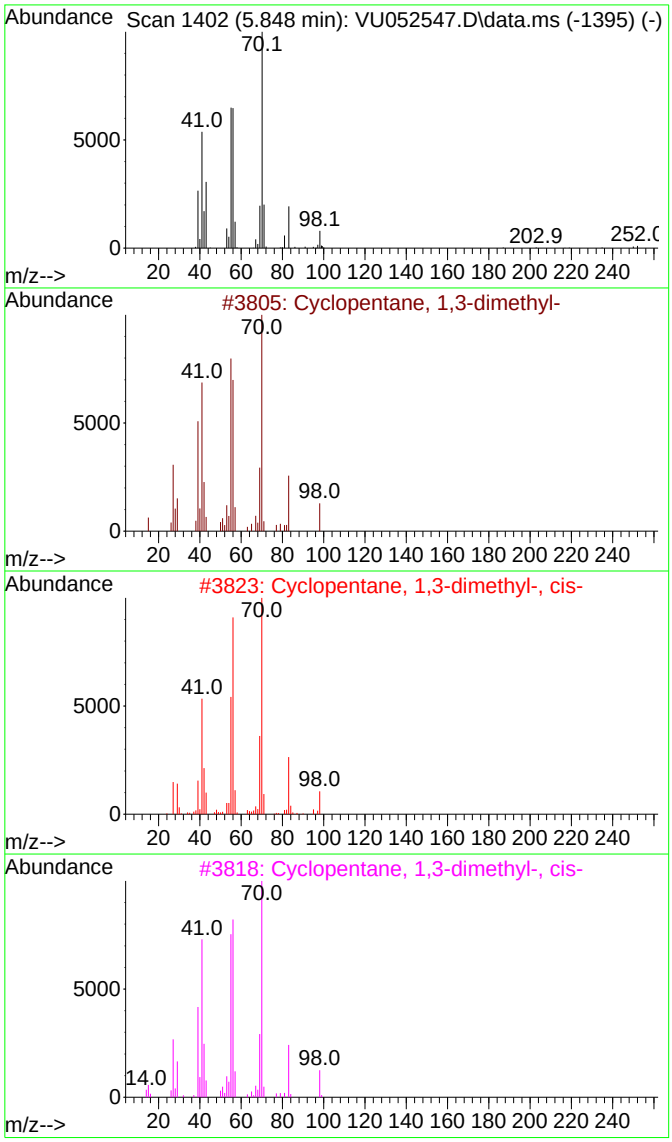
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

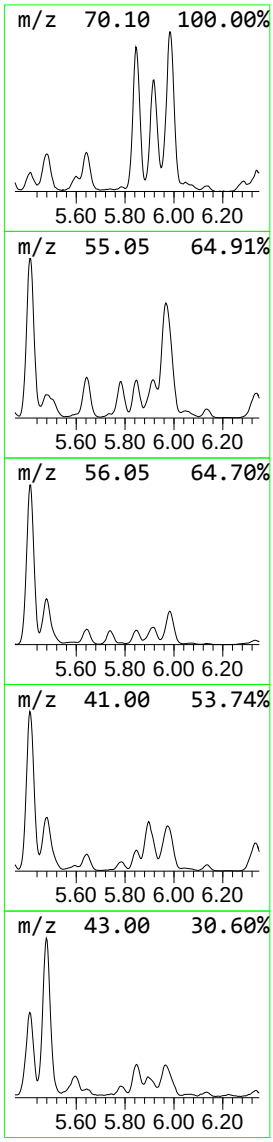
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic5.848 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.848	4.28 ug/L	240967	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	86
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	70
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

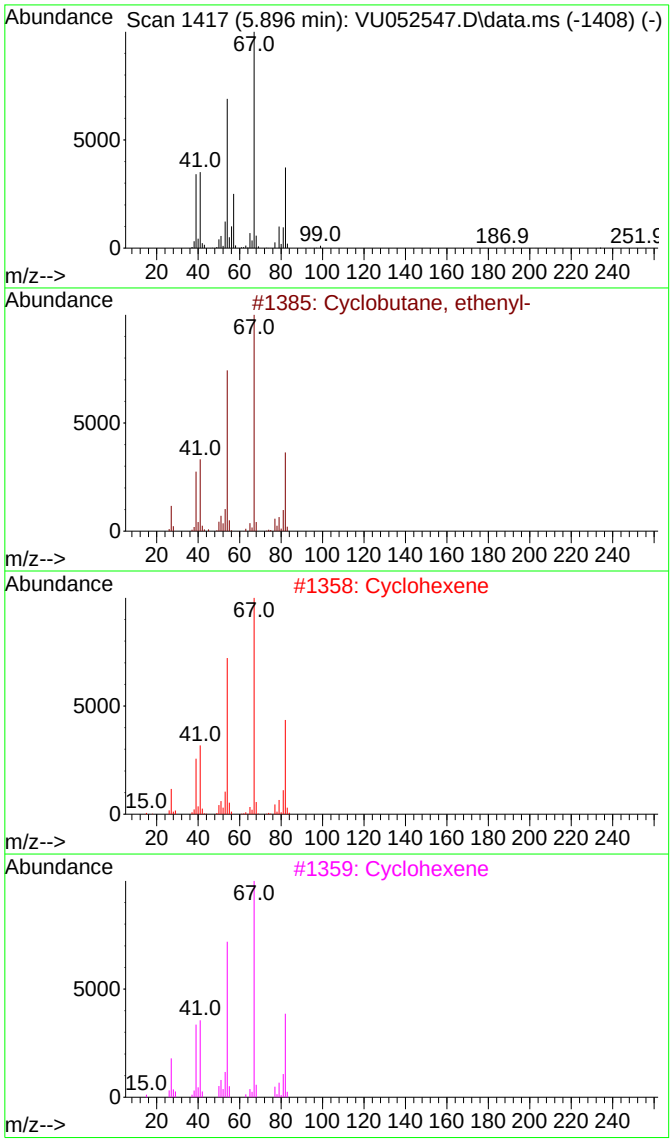
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

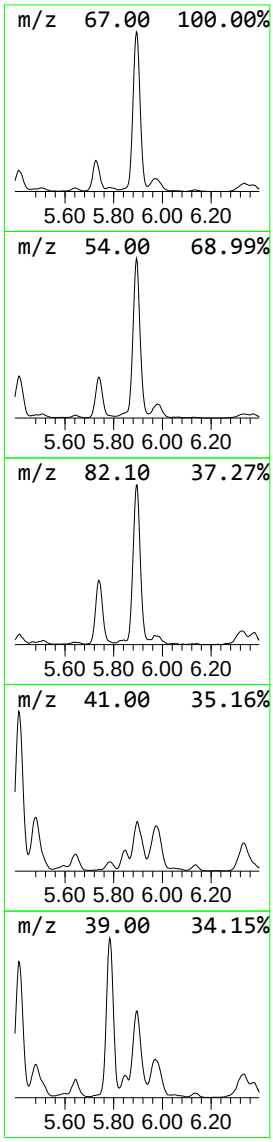
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Cyclobutane, ethenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.896	17.22 ug/L	968617	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	87
2	Cyclohexene	82	C6H10	000110-83-8	87
3	Cyclohexene	82	C6H10	000110-83-8	87
4	Cyclohexene	82	C6H10	000110-83-8	83
5	Cyclohexene	82	C6H10	000110-83-8	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

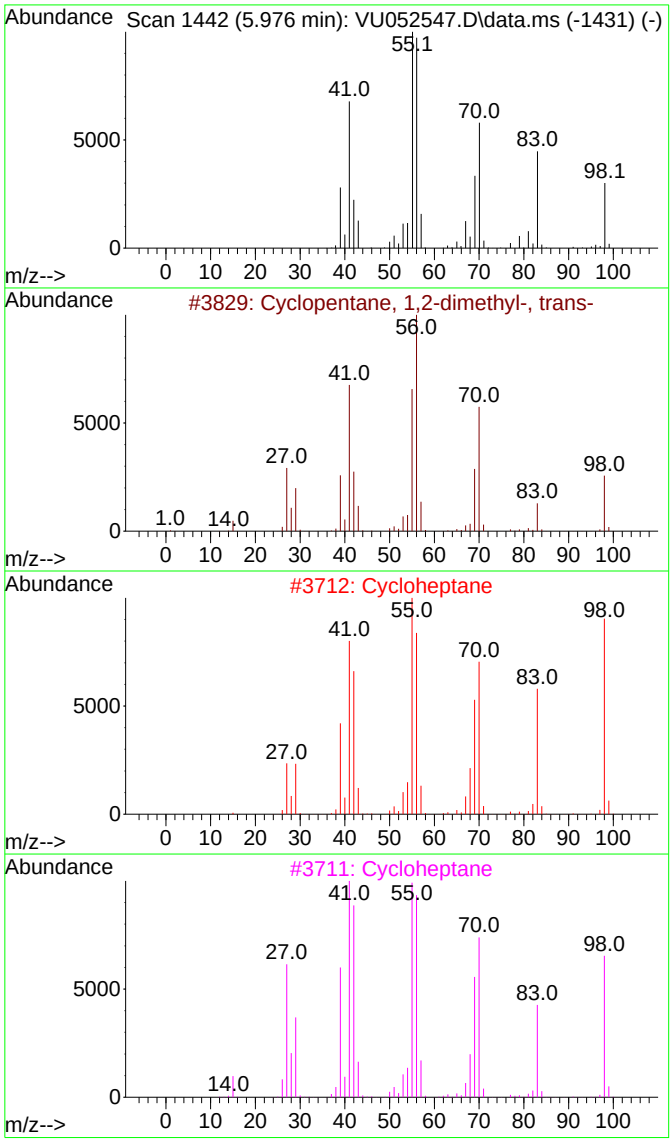
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

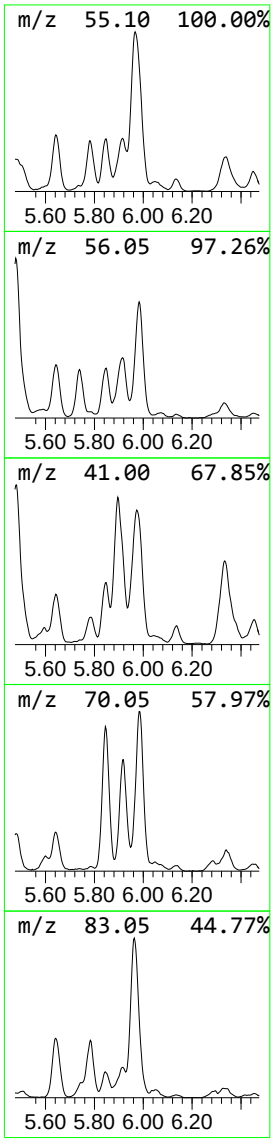
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic5.976 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.976	16.77 ug/L	943558	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	81
2	Cycloheptane	98	C7H14	000291-64-5	80
3	Cycloheptane	98	C7H14	000291-64-5	72
4	3-Heptene, (E)-	98	C7H14	014686-14-7	68
5	Cycloheptane	98	C7H14	000291-64-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

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

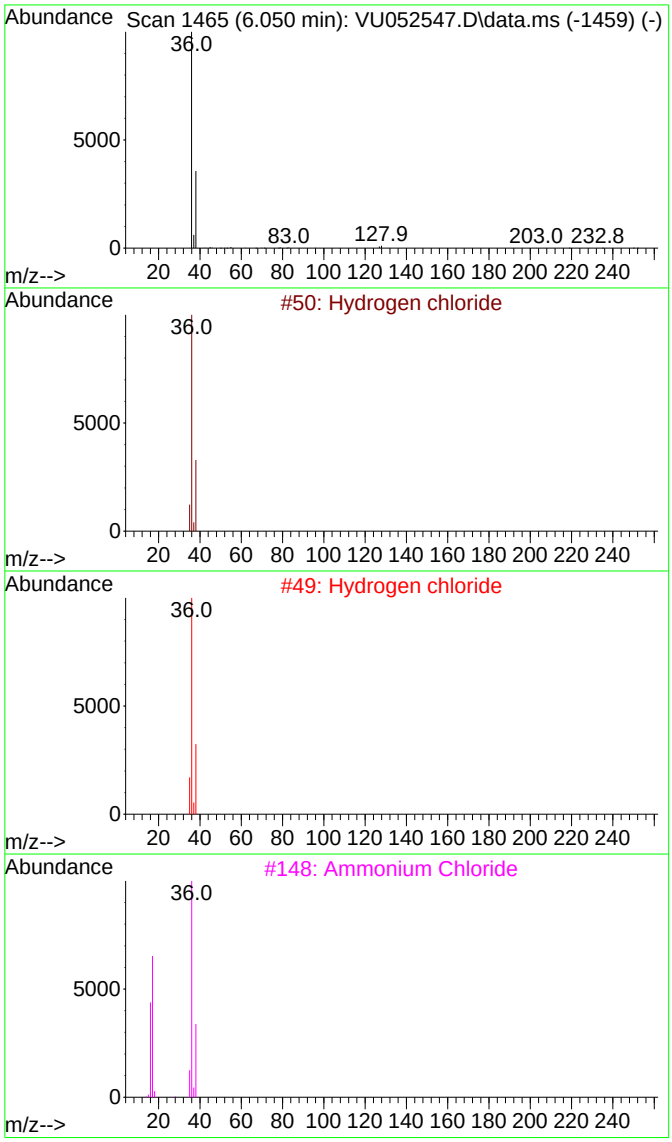
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

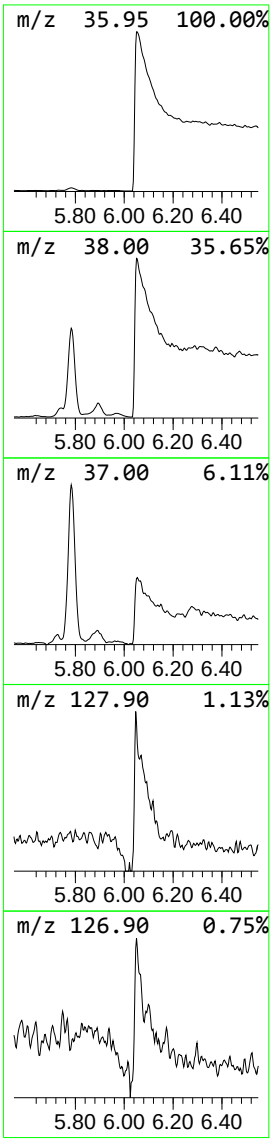
****

Peak Number 26 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.050	13.18 ug/L	741518	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrogen chloride	36	ClH	007647-01-0	9
2	Hydrogen chloride	36	ClH	007647-01-0	9
3	Ammonium Chloride	53	ClH4N	012125-02-9	4
4	Methanol-D4	36	CD4O	000811-98-3	2
5	1H-Imidazole-1-ethanol, .alpha.-...	126	C6H10N2O	037788-55-9	2





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

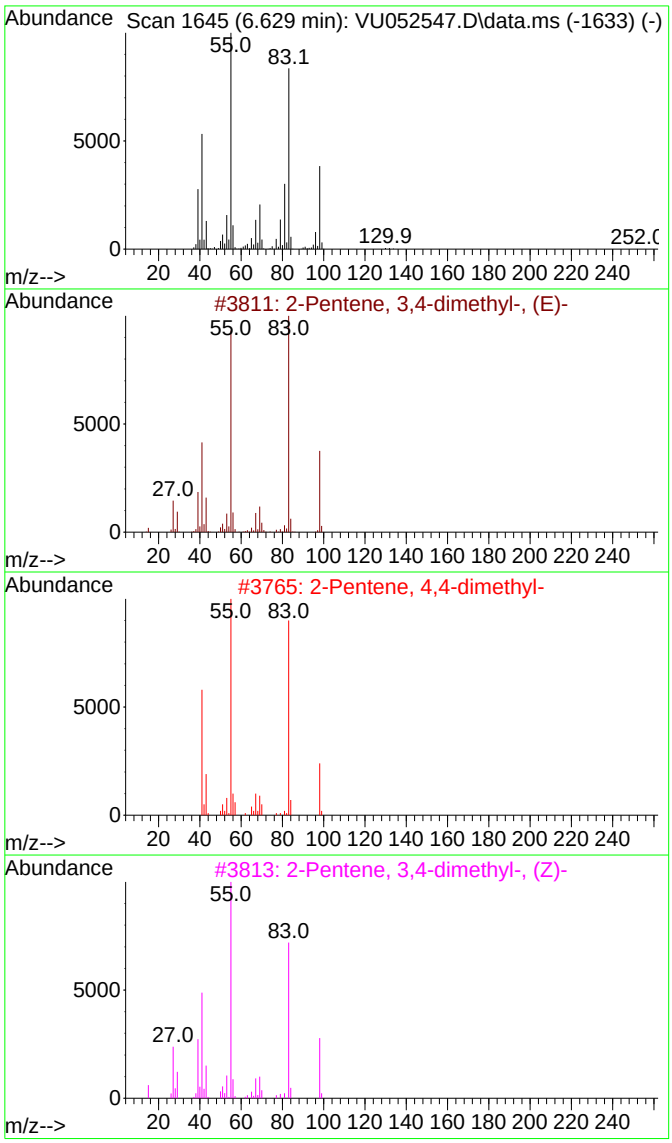
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

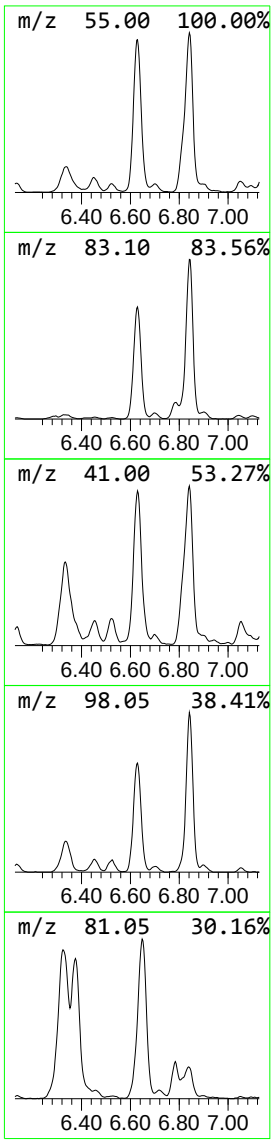
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.629	18.47 ug/L	1039080	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
2	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	90
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

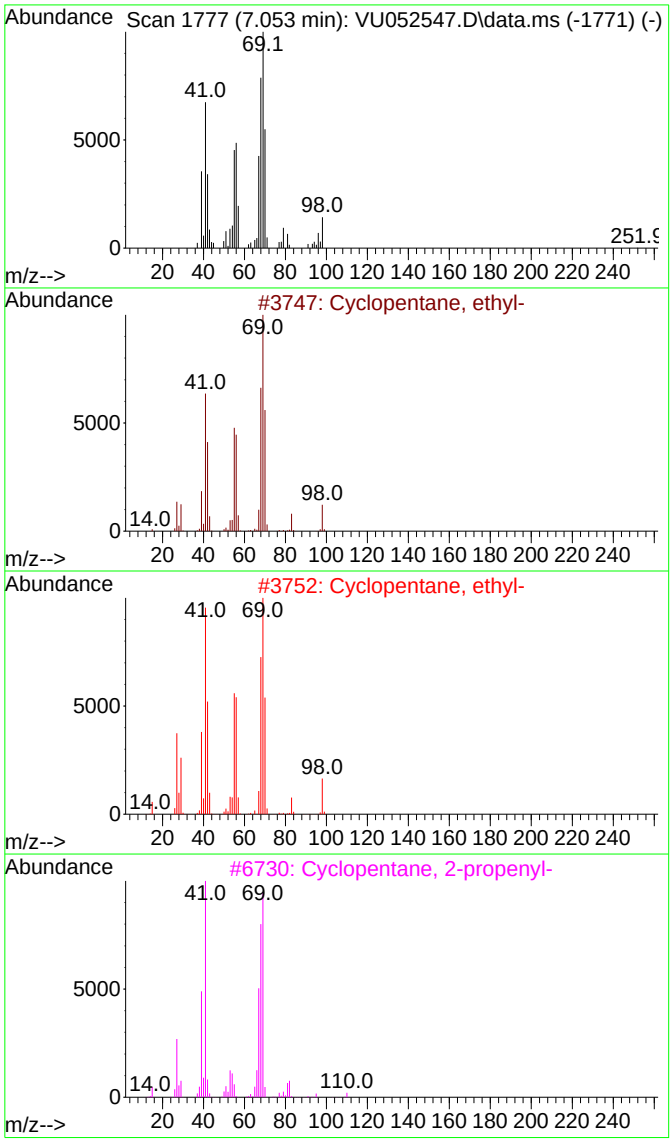
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

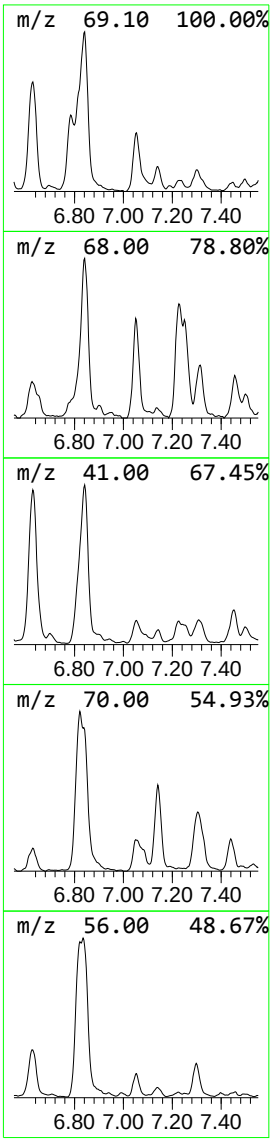
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic7.053 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.053	1.58 ug/L	88768	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	81
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	64
3	Cyclopentane, 2-propenyl-	110	C8H14	003524-75-2	27
4	Cyclopentane, 2-propenyl-	110	C8H14	003524-75-2	27
5	2,3-Octadiene, 7-methyl-	124	C9H16	061129-33-7	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

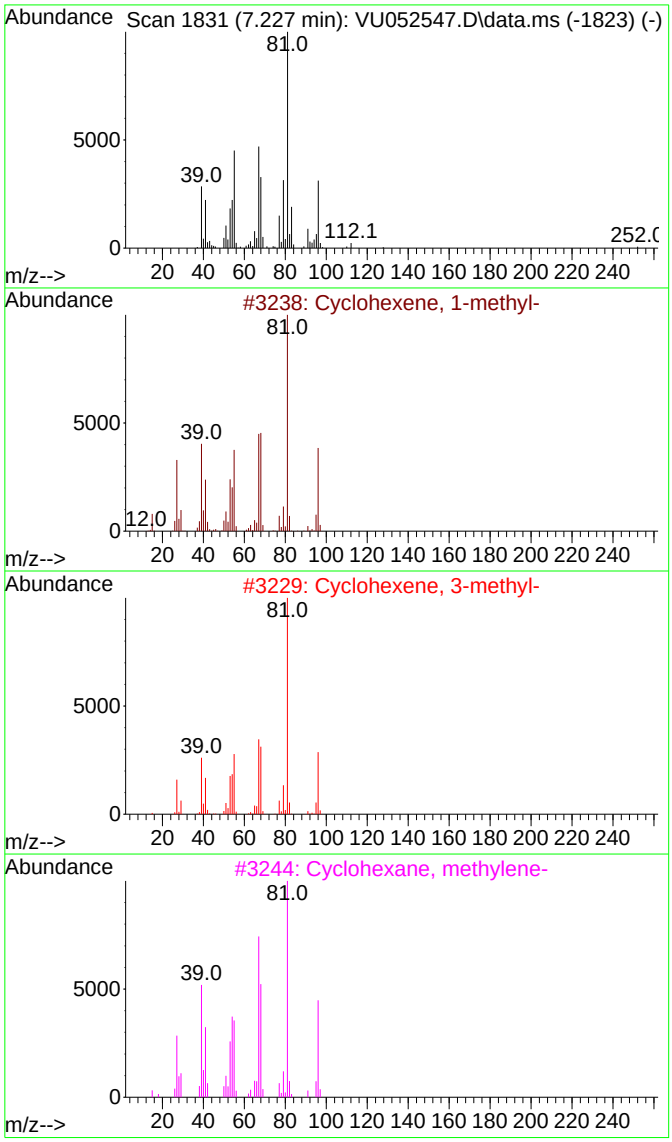
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

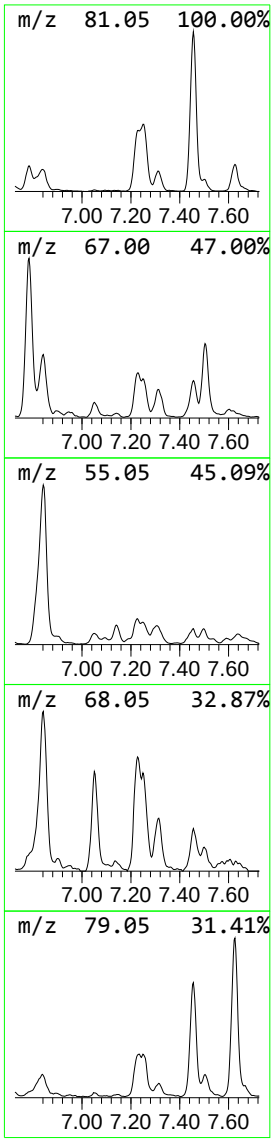
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Cyclohexene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.227	3.47 ug/L	195291	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	87
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	86
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

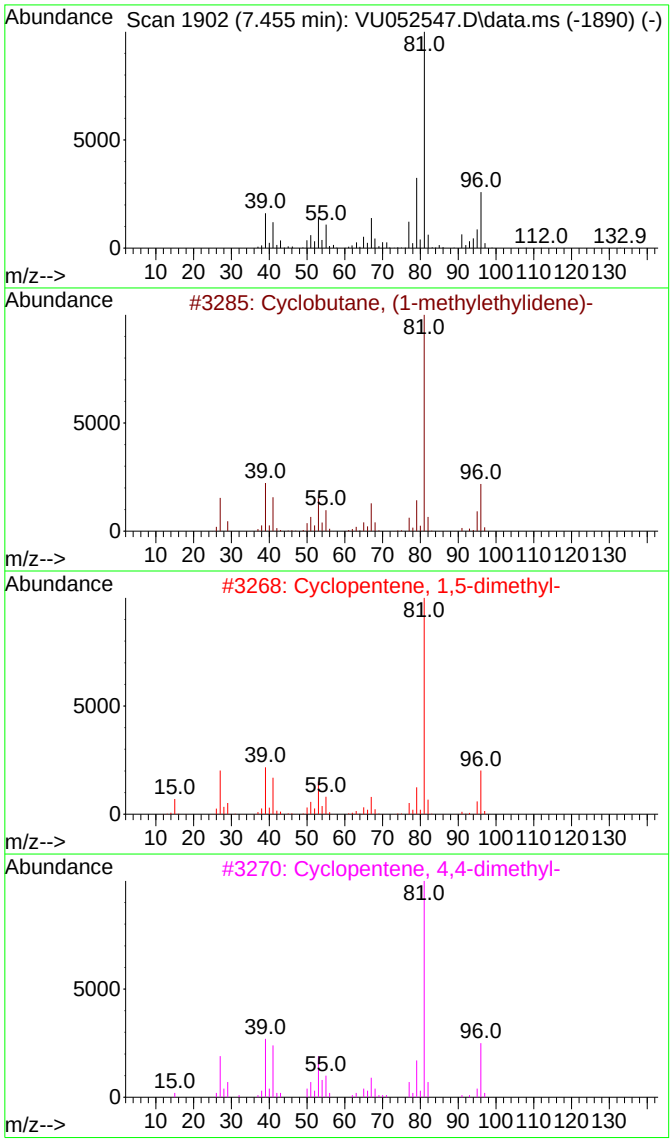
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

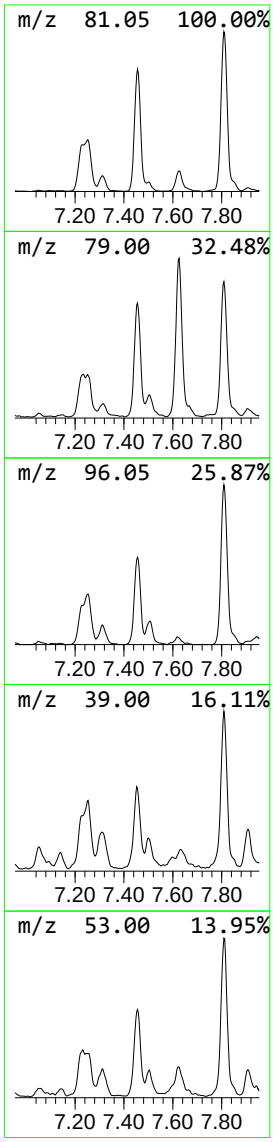
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Cyclobutane, (1-methylethyl... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.455	7.72 ug/L	434543	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	83
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	72
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	64





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Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

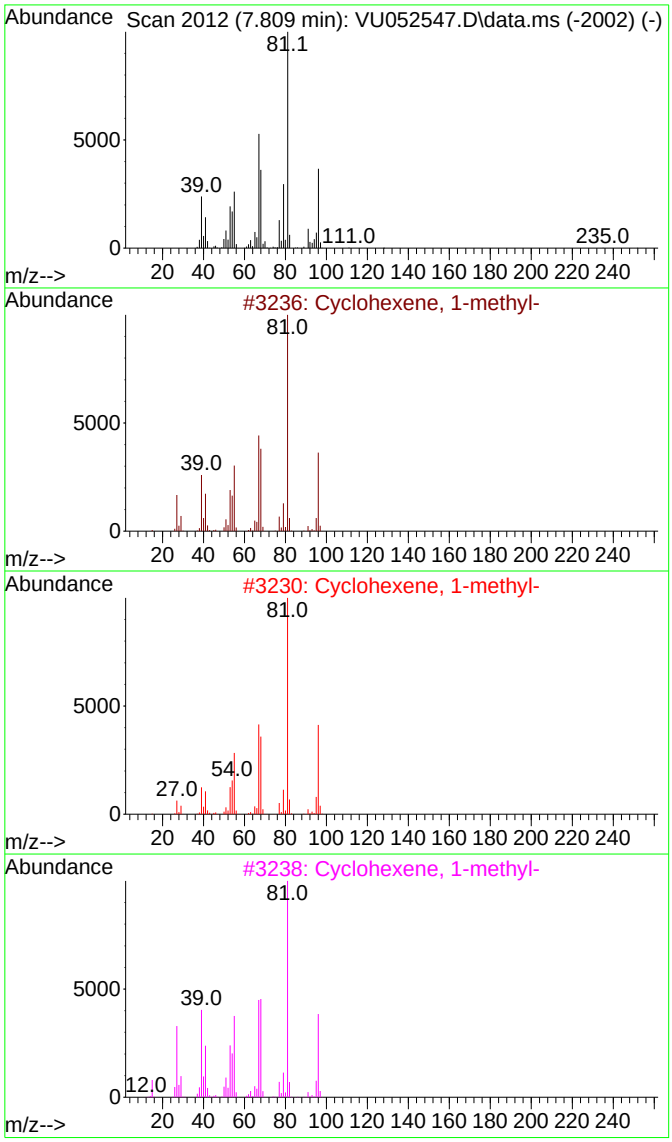
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

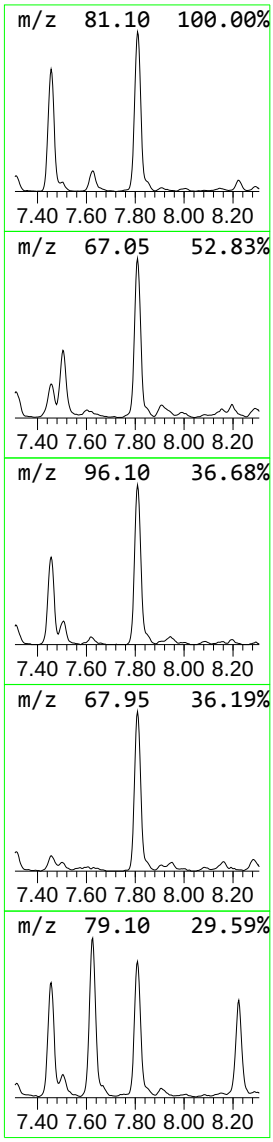
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Cyclohexene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.809	14.05 ug/L	790170	1,4-Difluorobenzene	6.282

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	94
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	81
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

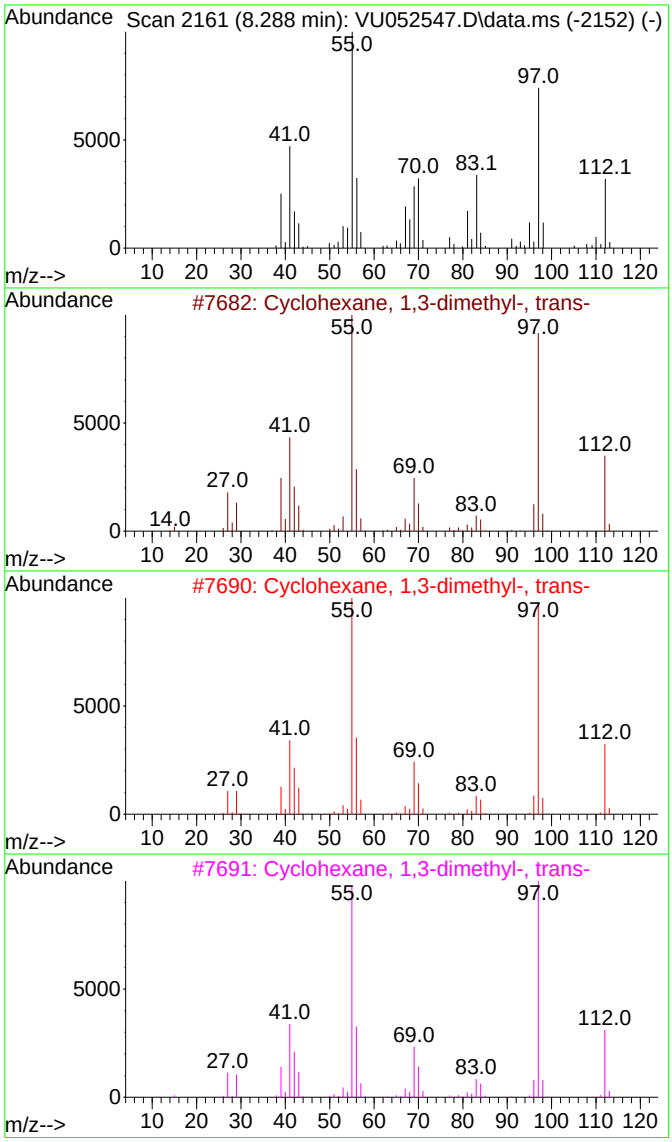
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

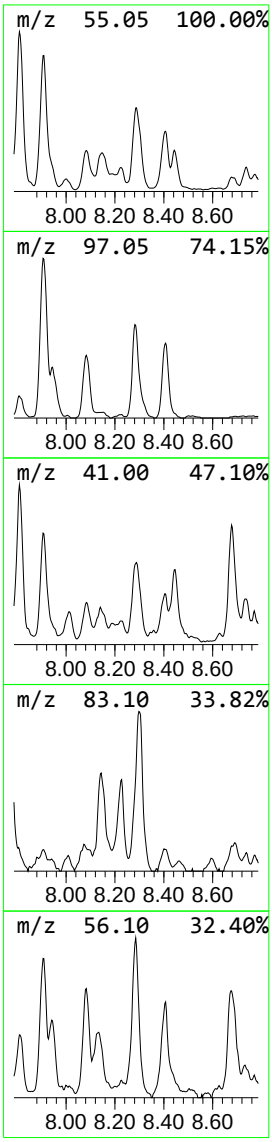
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Cyclic8.288 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.288	1.98 ug/L	180961	Chlorobenzene-d5	9.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	76
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	76
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	76
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	74
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

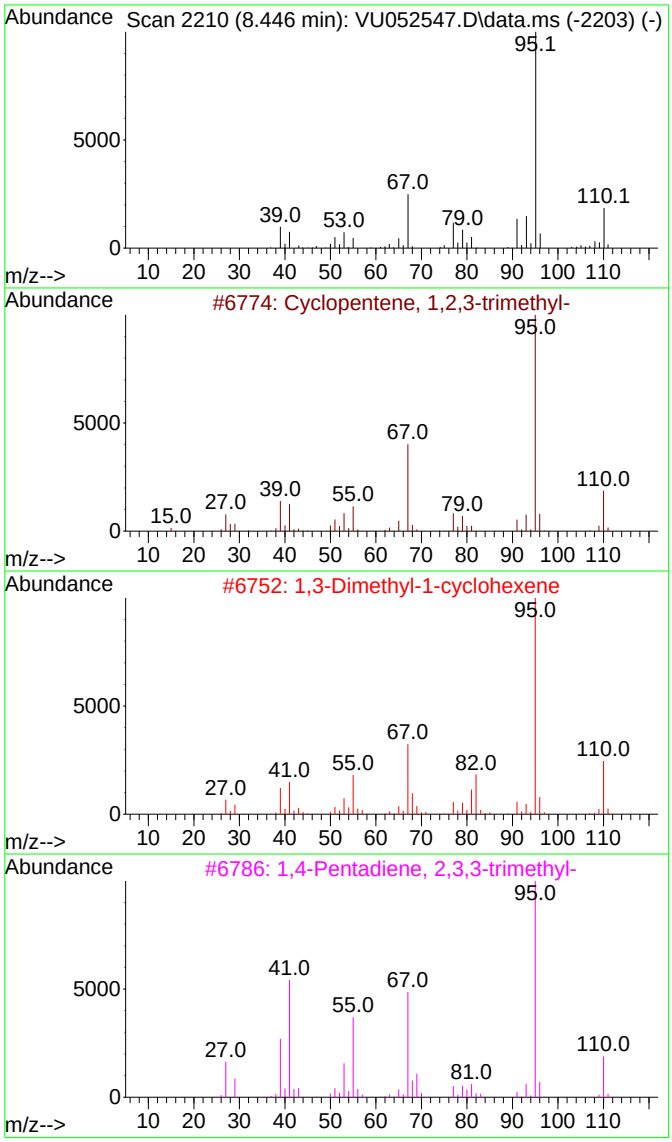
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

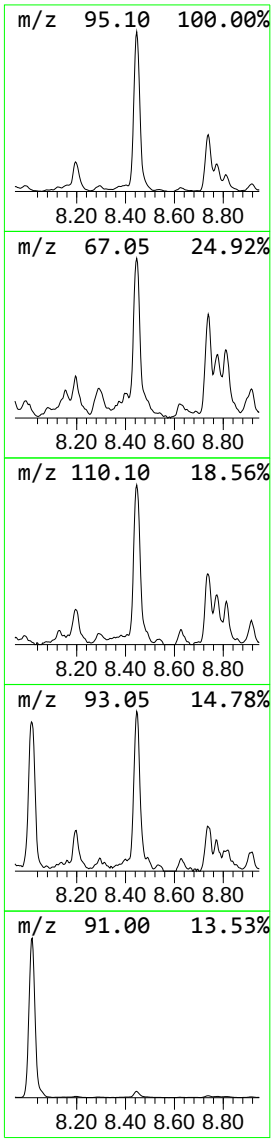
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.446	3.07 ug/L	280446	Chlorobenzene-d5	9.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	78
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64
4	exo-2-Bromonorbornane	174	C7H11Br	002534-77-2	59
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

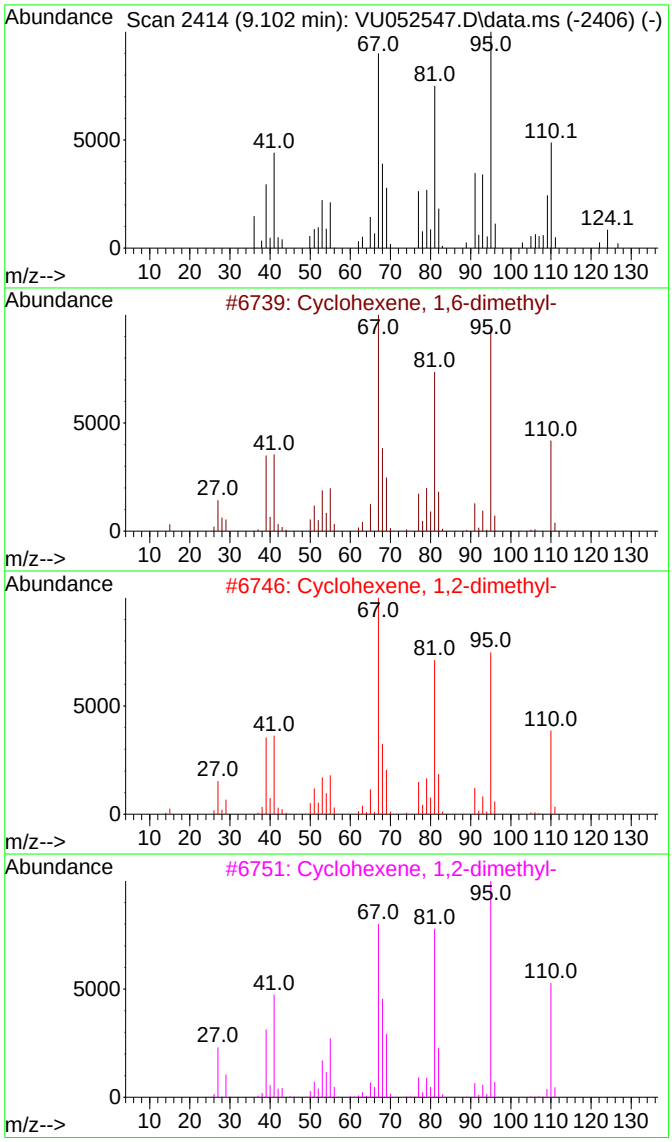
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

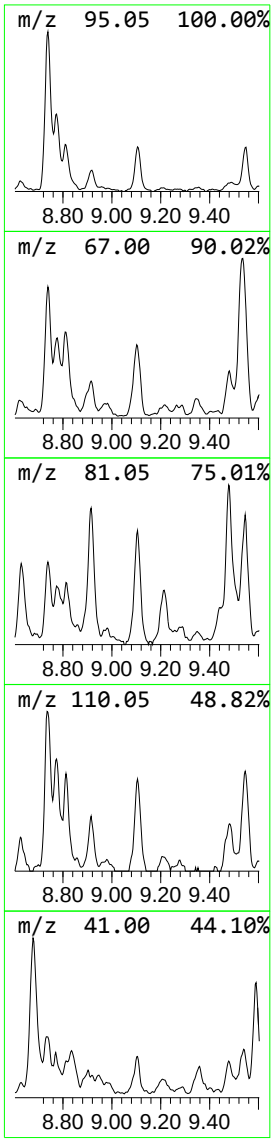
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Cyclohexene, 1,6-dimethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.102	0.96 ug/L	87742	Chlorobenzene-d5	9.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	96
2	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	95
3	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	93
4	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	87
5	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

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

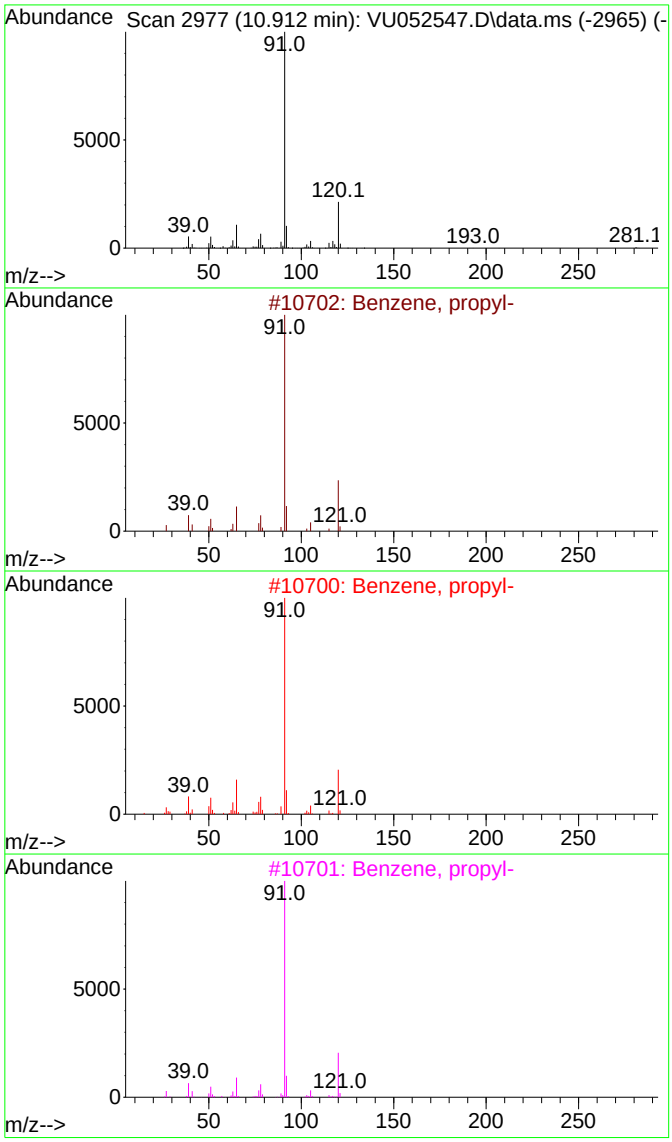
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

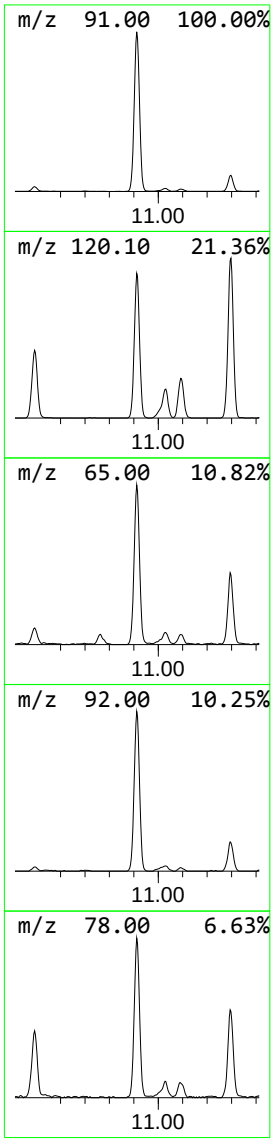
****

Peak Number 36 Benzene, propyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.912	9.82 ug/L	957164	1,4-Dichlorobenzene-d4	11.815

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	81
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

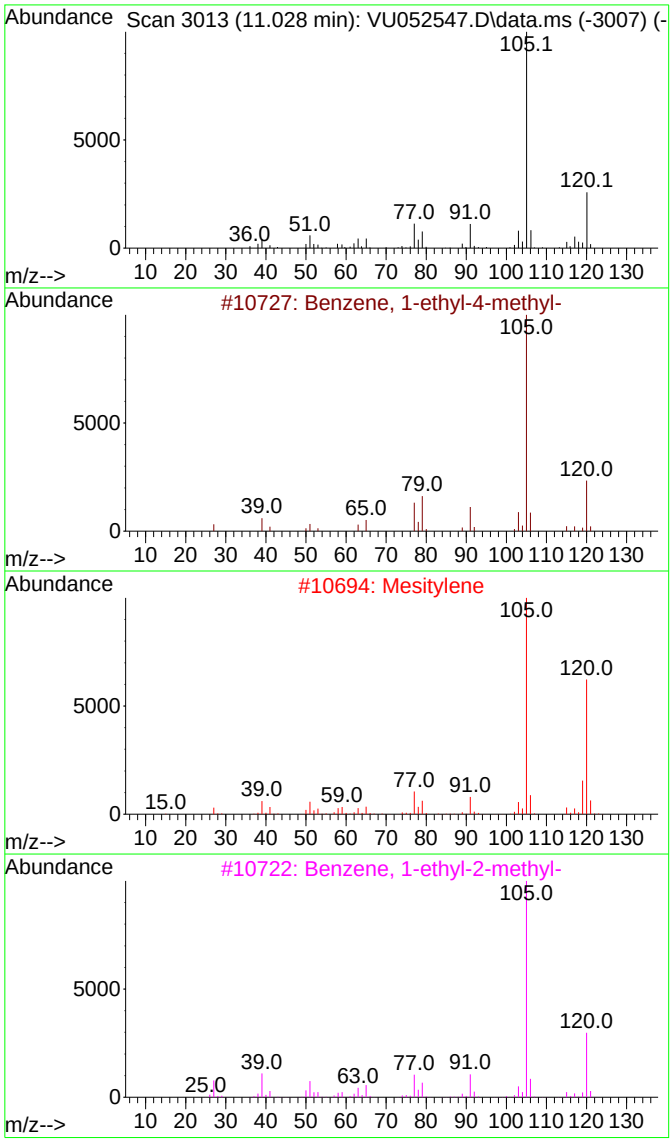
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

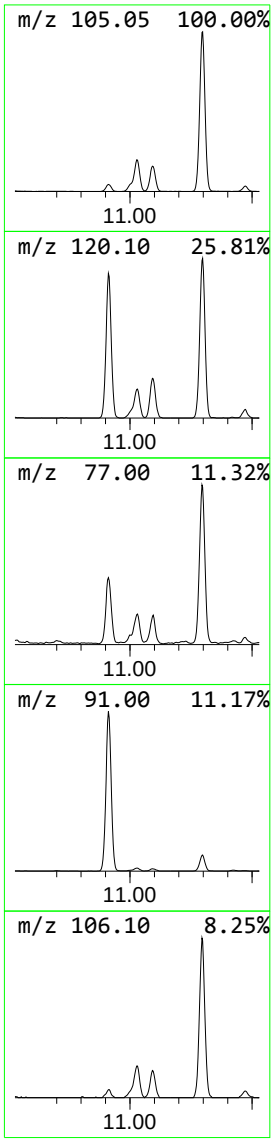
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, 1-ethyl-4-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.028	1.66 ug/L	161865	1,4-Dichlorobenzene-d4	11.815

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

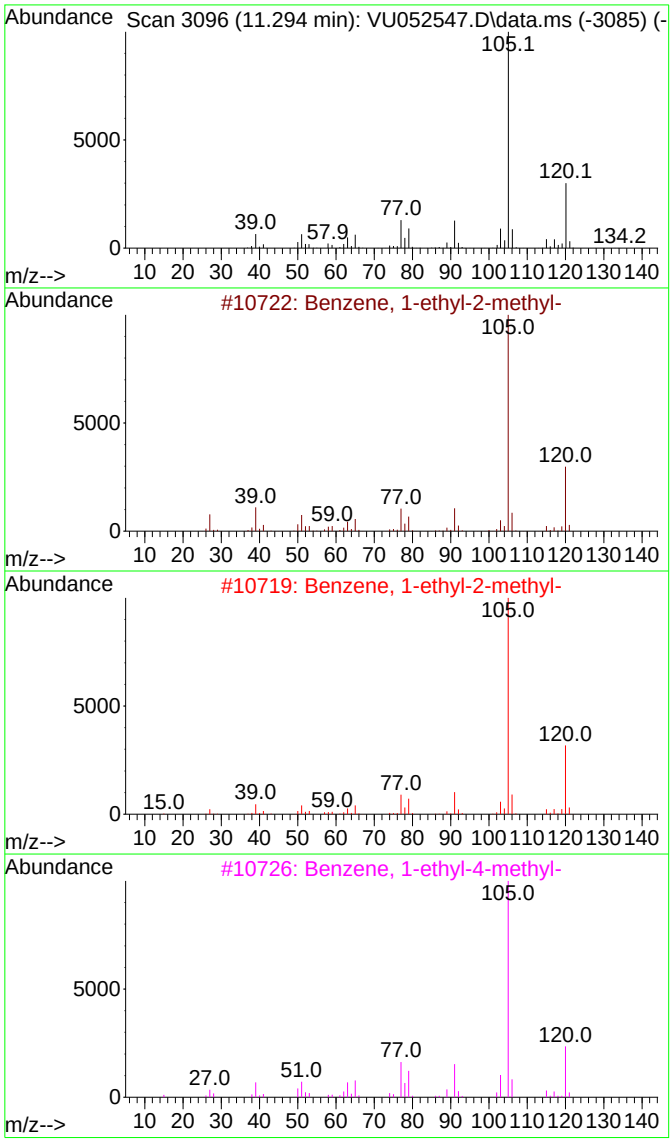
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

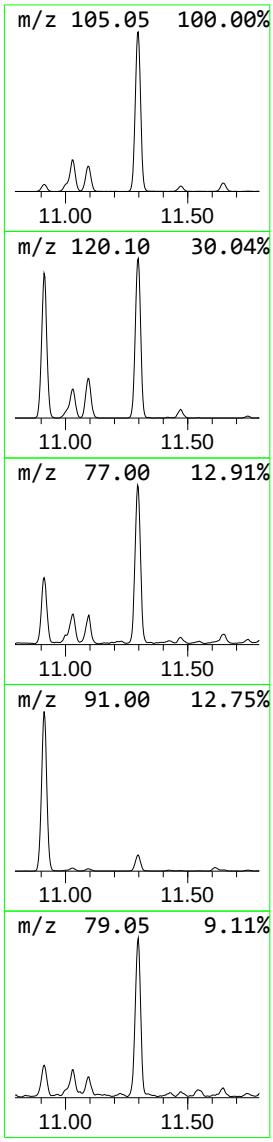
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1-ethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.294	9.87 ug/L	961131	1,4-Dichlorobenzene-d4	11.815

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	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

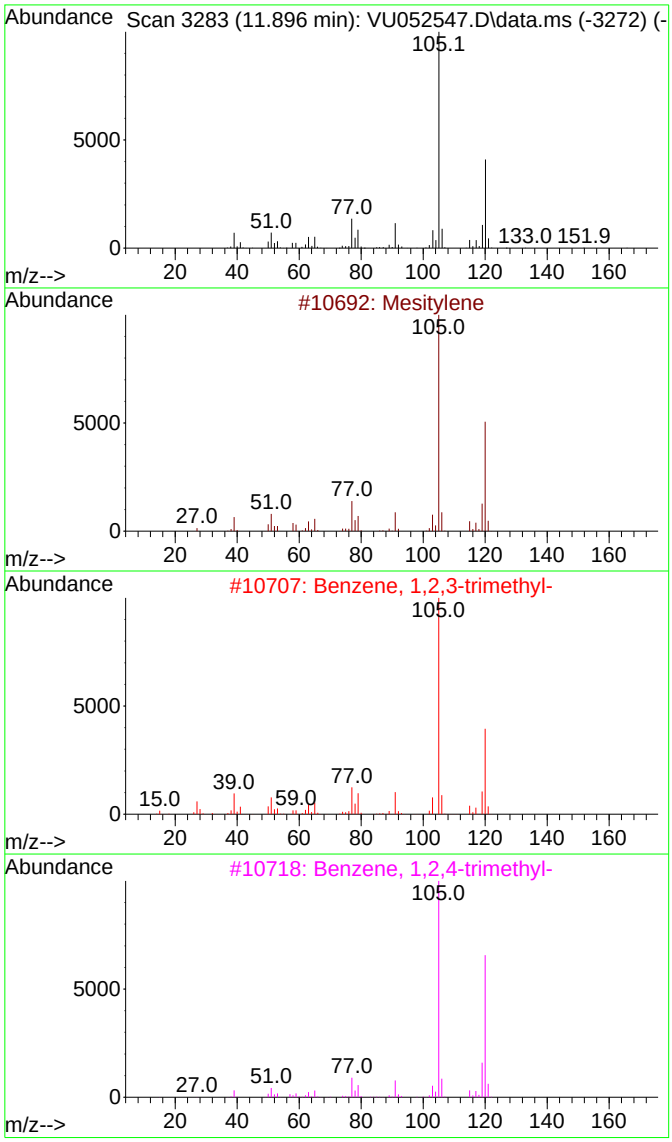
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

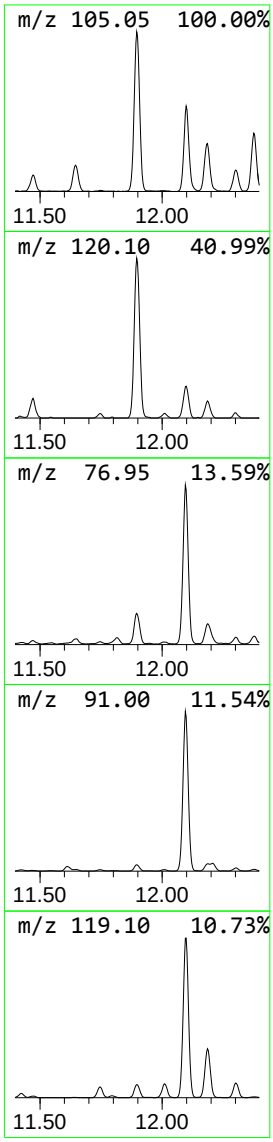
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1,2,3-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.896	3.40 ug/L	330870	1,4-Dichlorobenzene-d4	11.815

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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

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

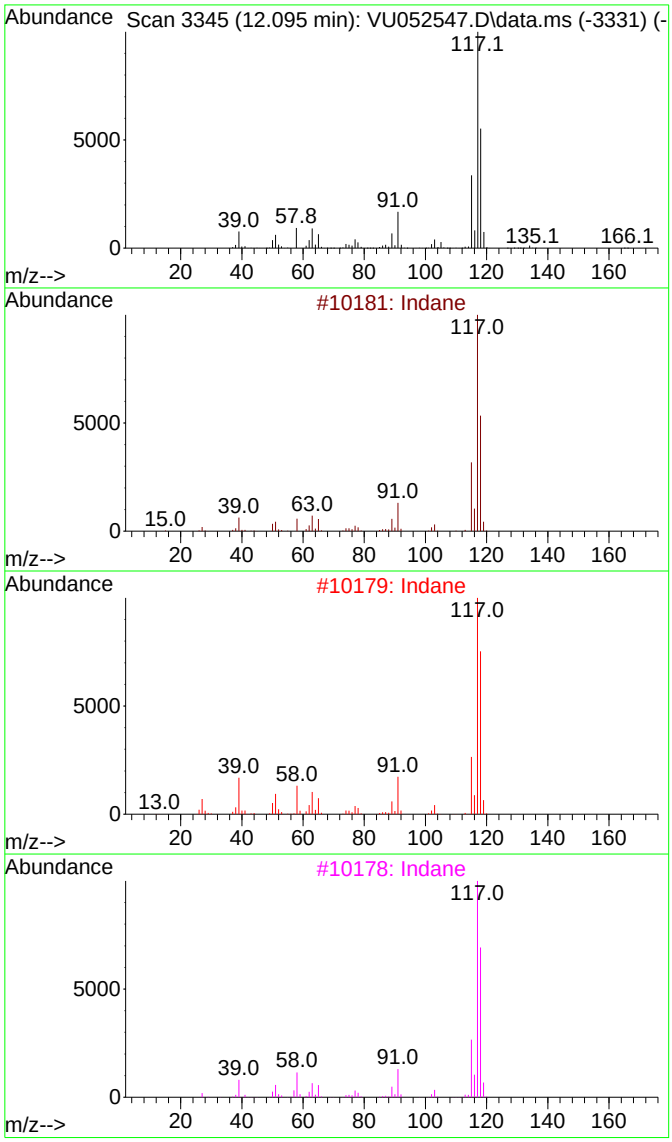
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

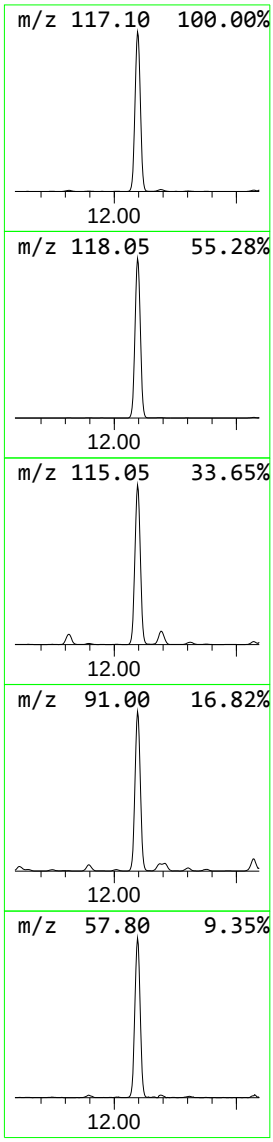
****

Peak Number 40 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.095	65.60 ug/L	6391160	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	92
3	Indane	118	C9H10	000496-11-7	81
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

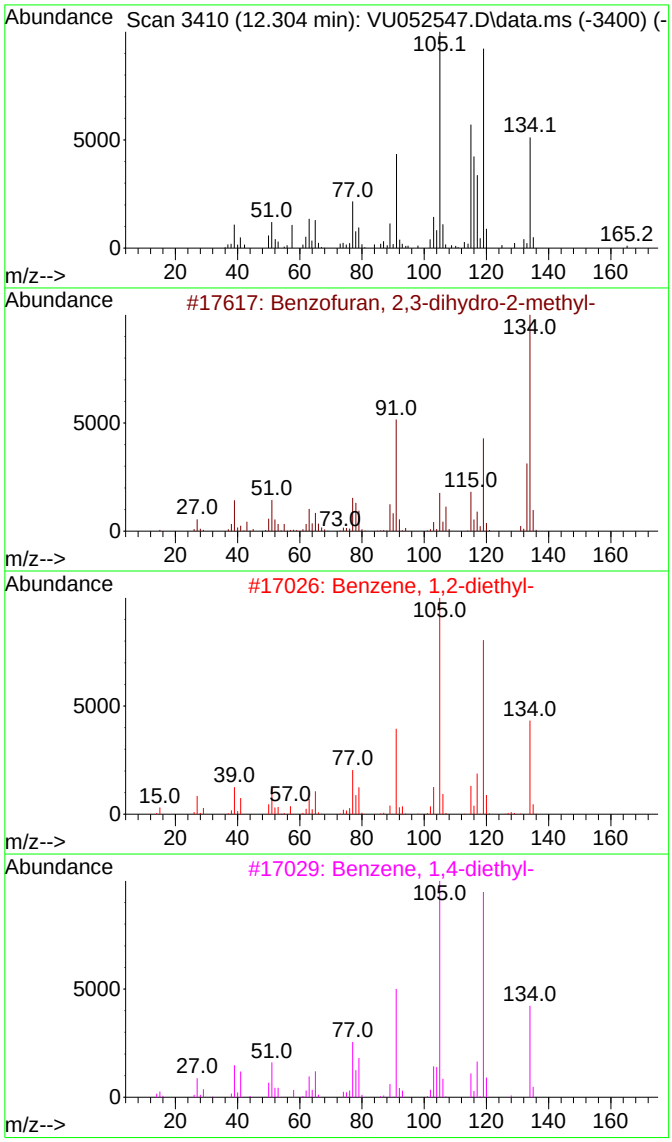
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

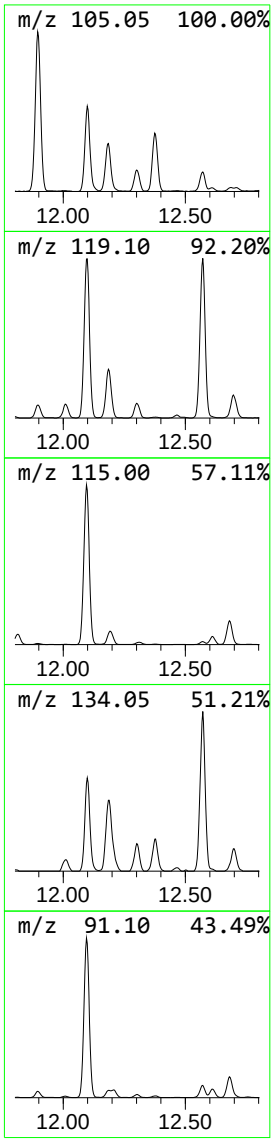
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzofuran, 2,3-dihydro-2-m... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	1.14 ug/L	111073	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	74
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	70
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	64
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

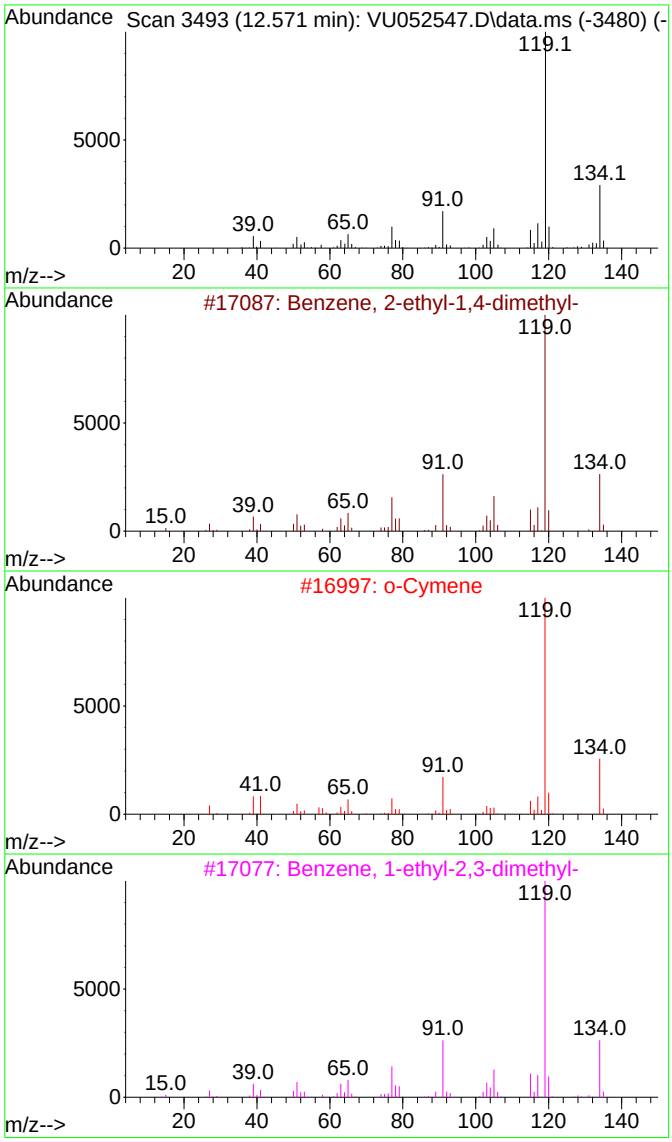
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

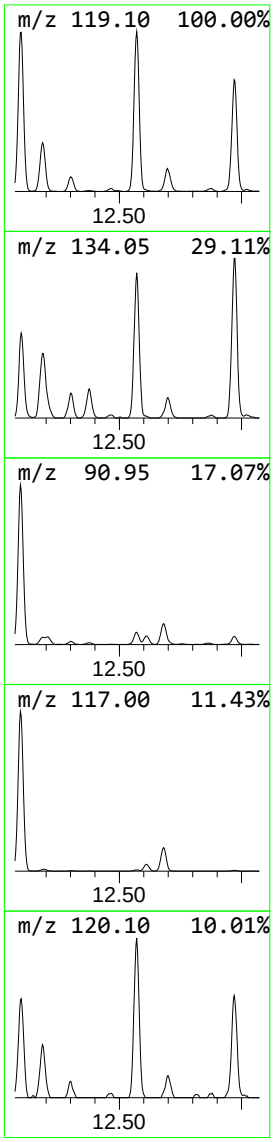
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.571	4.37 ug/L	425753	1,4-Dichlorobenzene-d4	11.815

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





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Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

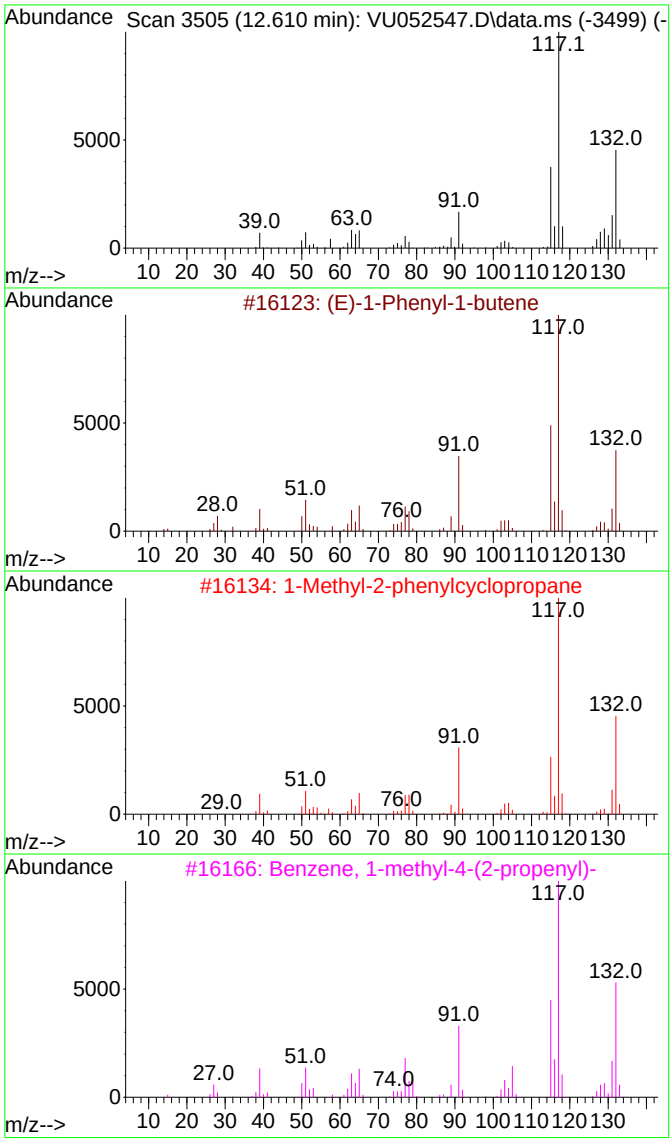
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

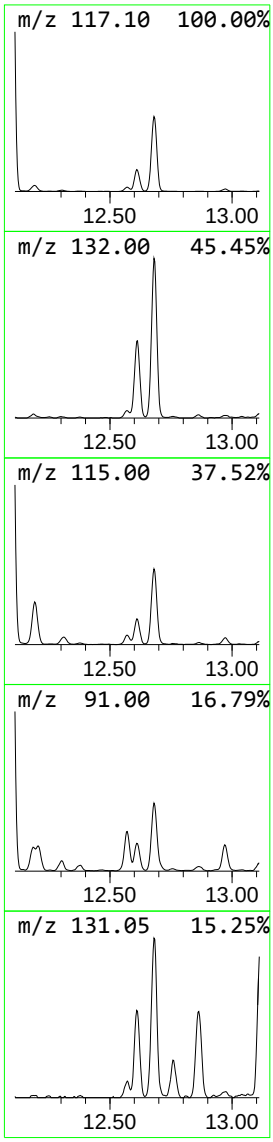
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 (E)-1-Phenyl-1-butene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.610	3.47 ug/L	338001	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

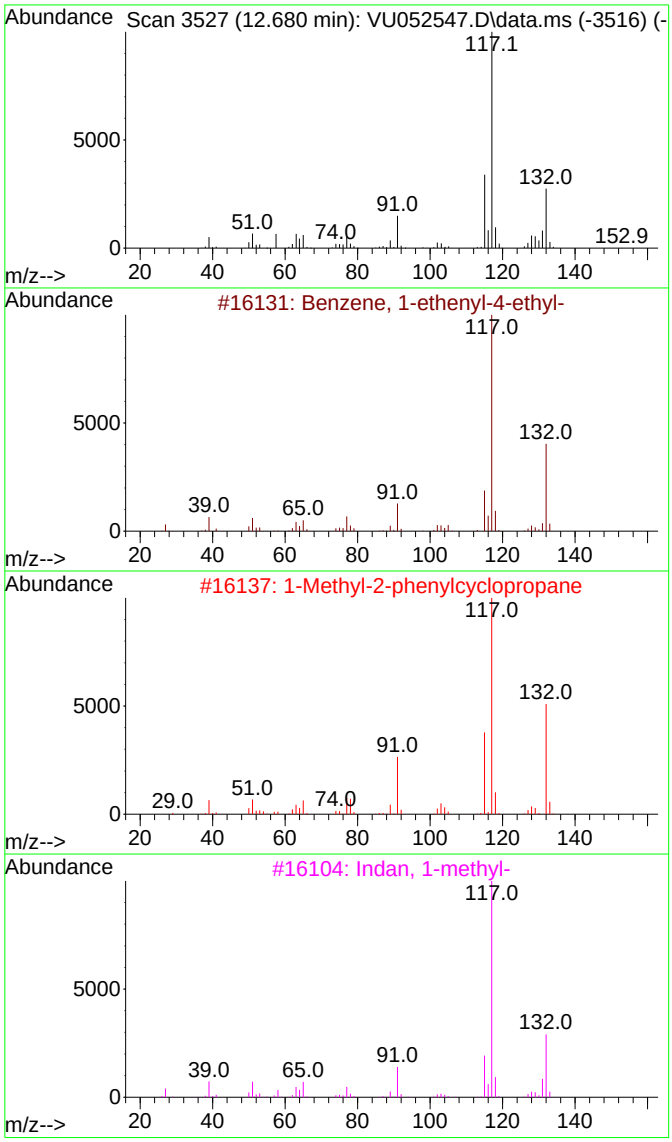
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

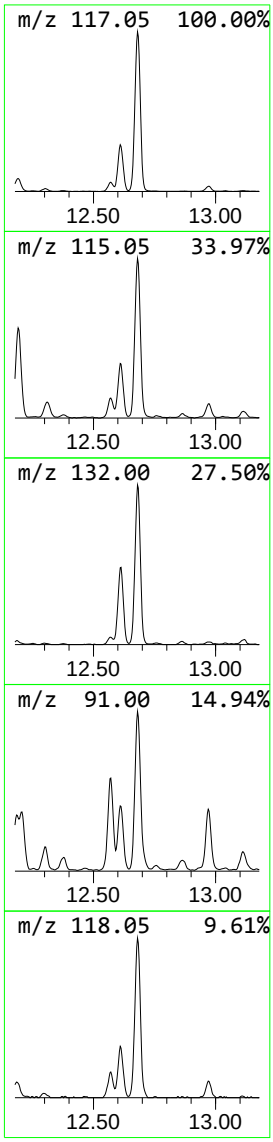
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.680	9.95 ug/L	969345	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

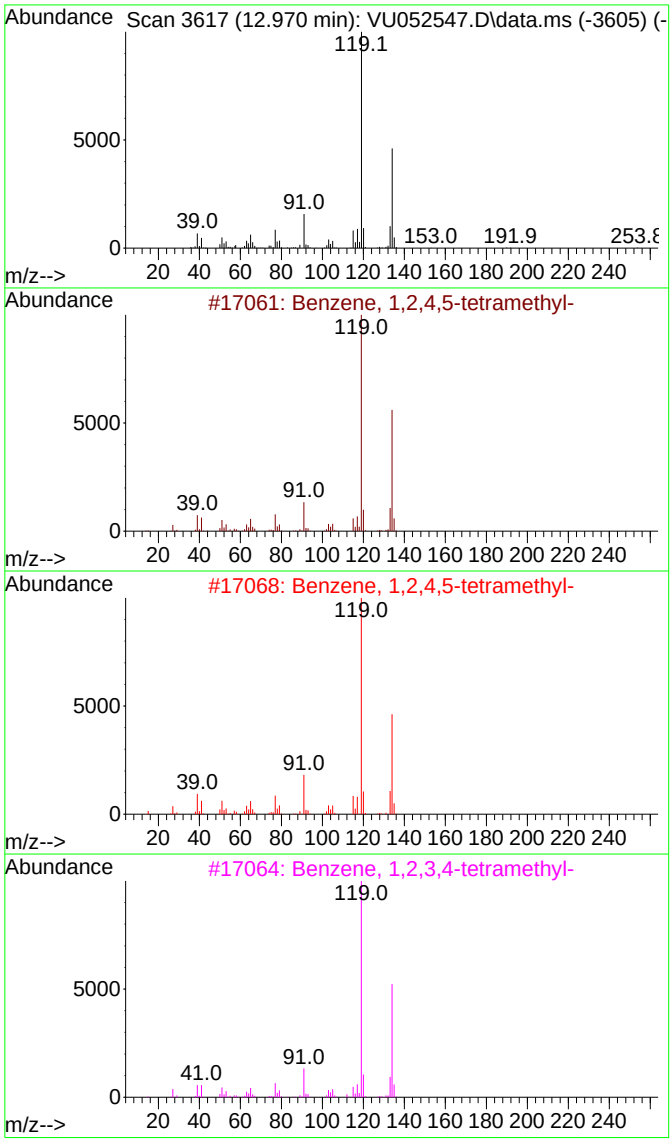
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

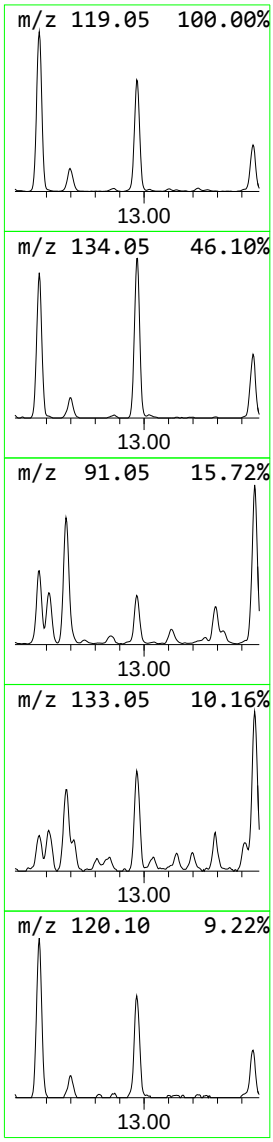
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.970	3.20 ug/L	312121	1,4-Dichlorobenzene-d4	11.815

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

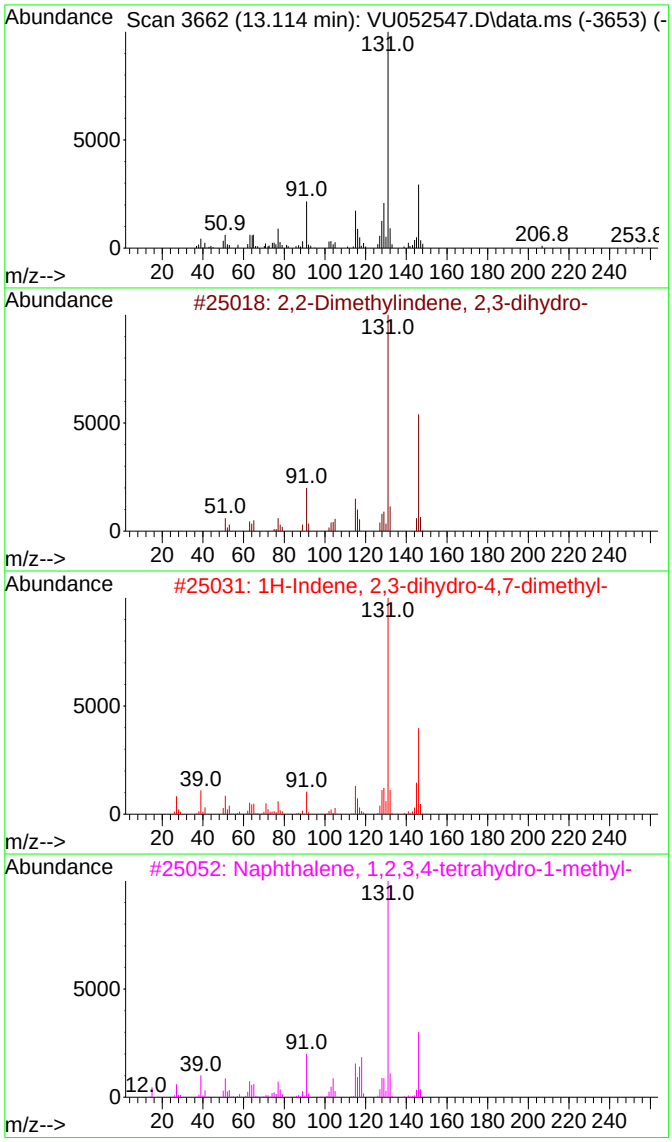
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

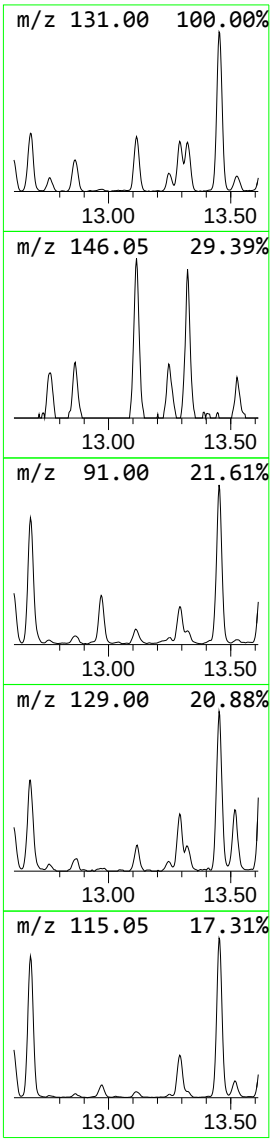
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 2,2-Dimethylindene, 2,3-dih... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.114	0.86 ug/L	84232	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

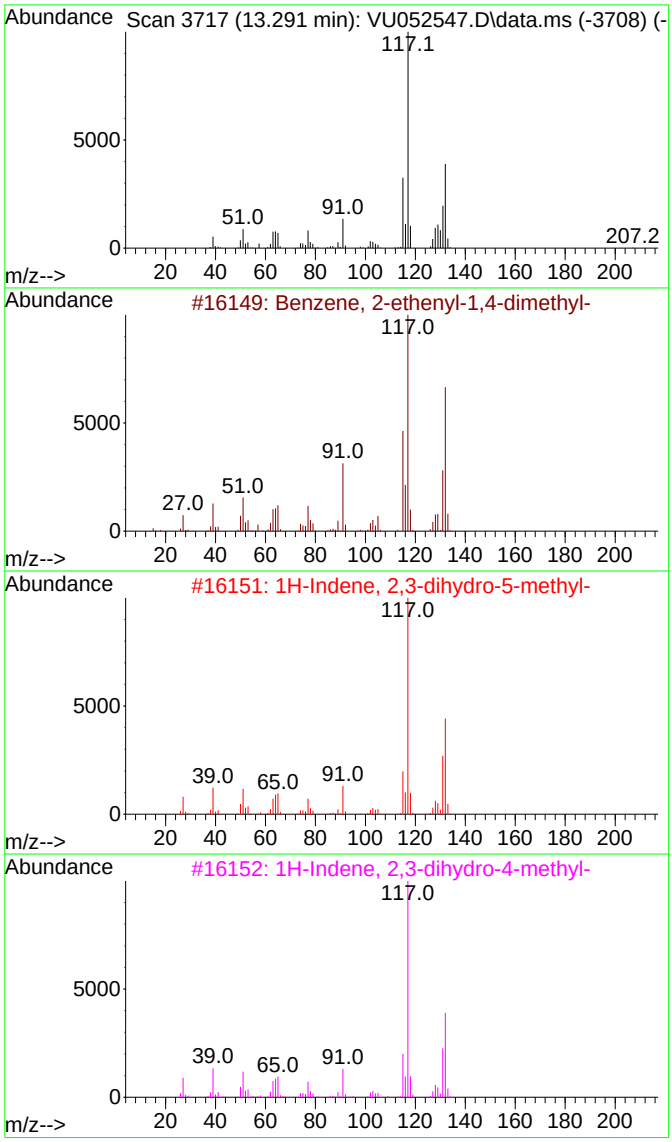
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

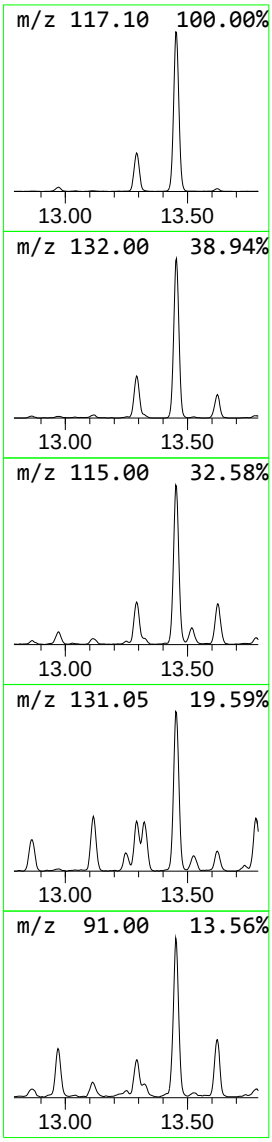
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.291	3.18 ug/L	309405	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

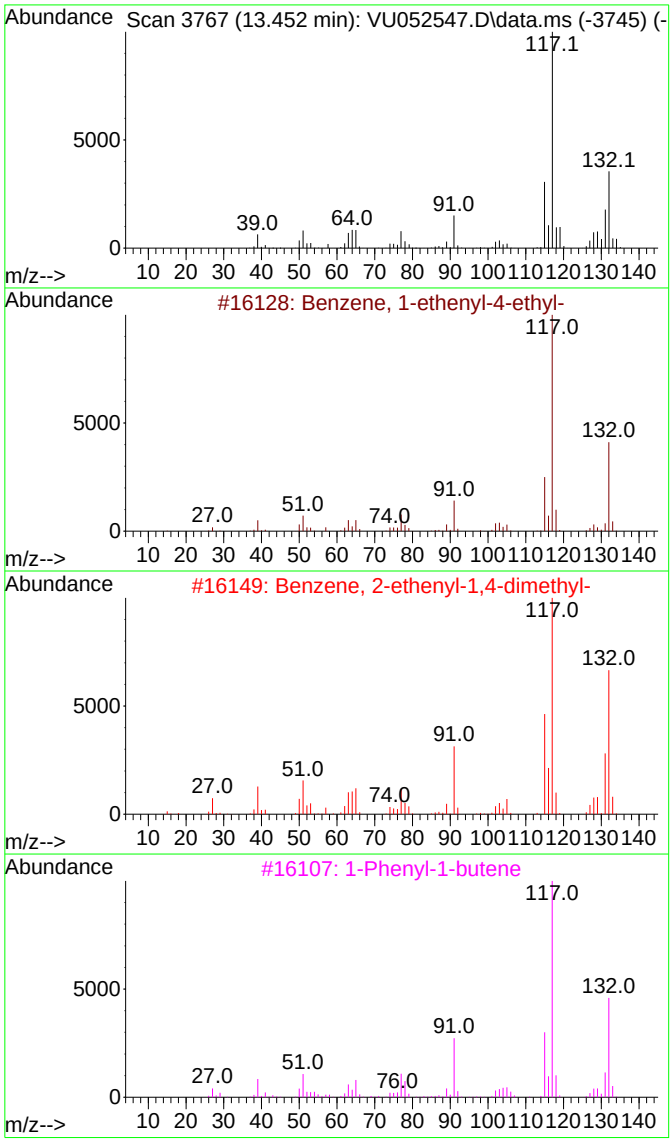
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

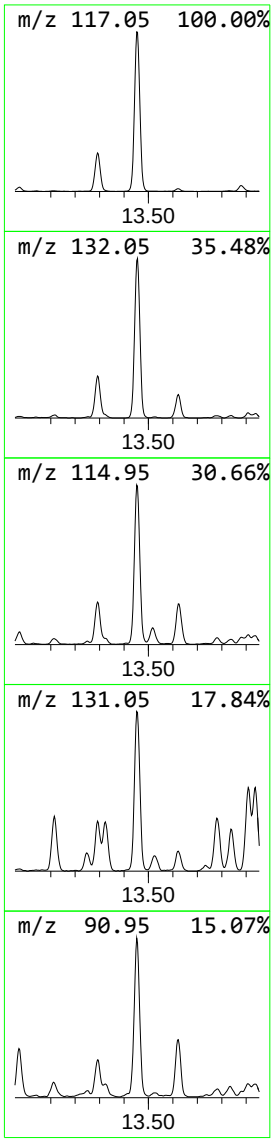
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 1-Phenyl-1-butene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.452	14.20 ug/L	1383210	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

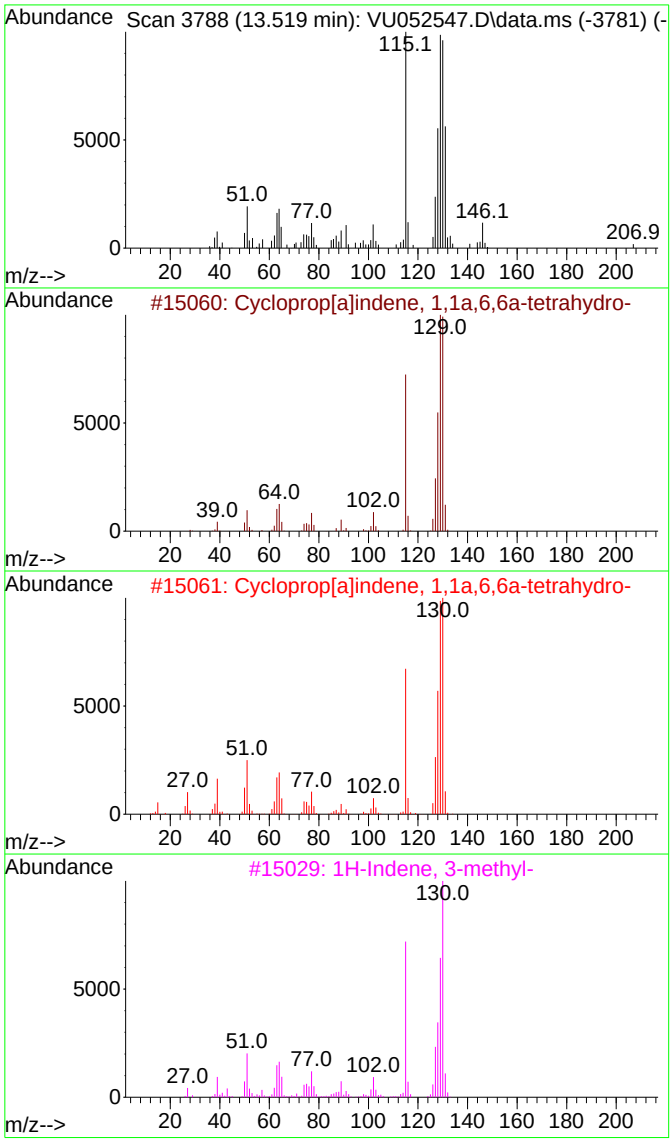
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

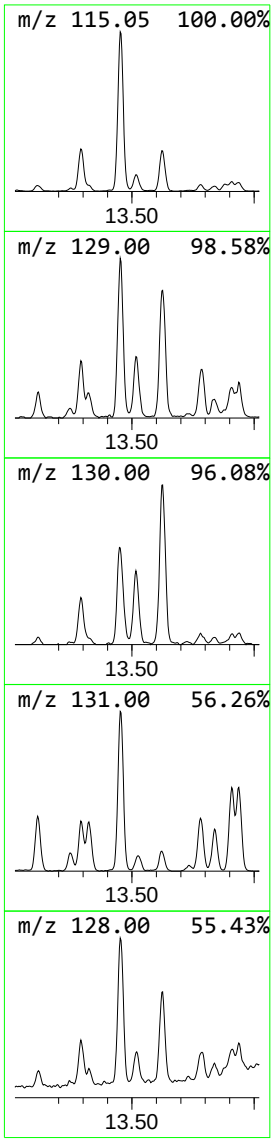
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.520	0.79 ug/L	77334	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
3	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	86
4	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	86
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

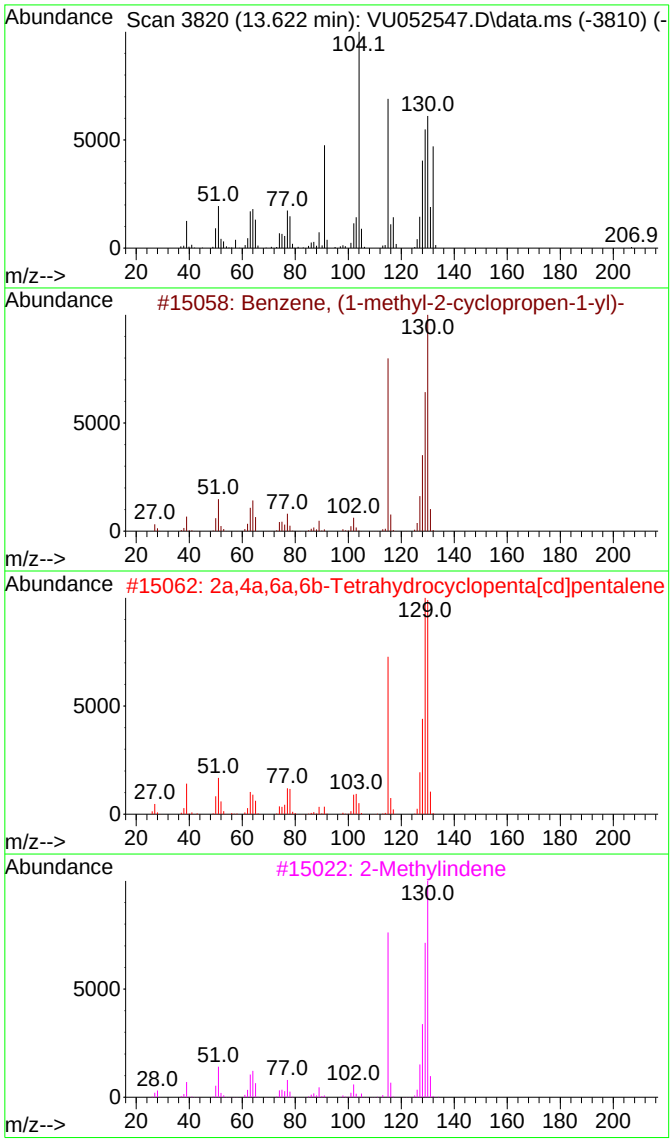
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

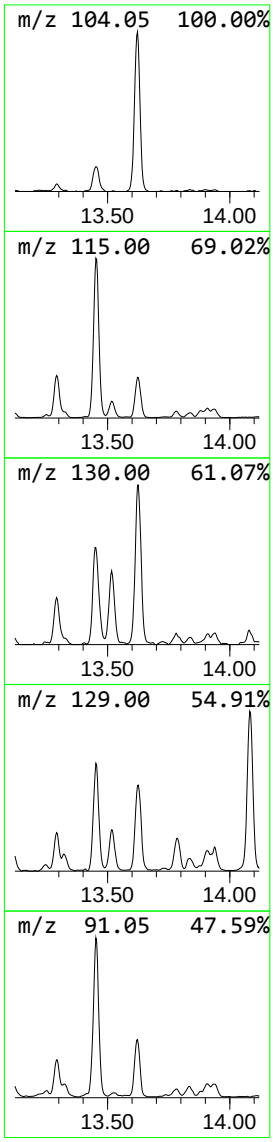
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, (1-methyl-2-cyclop... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.622	3.26 ug/L	317124	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	89
2	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	86
3	2-Methylindene	130	C10H10	002177-47-1	84
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	83
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

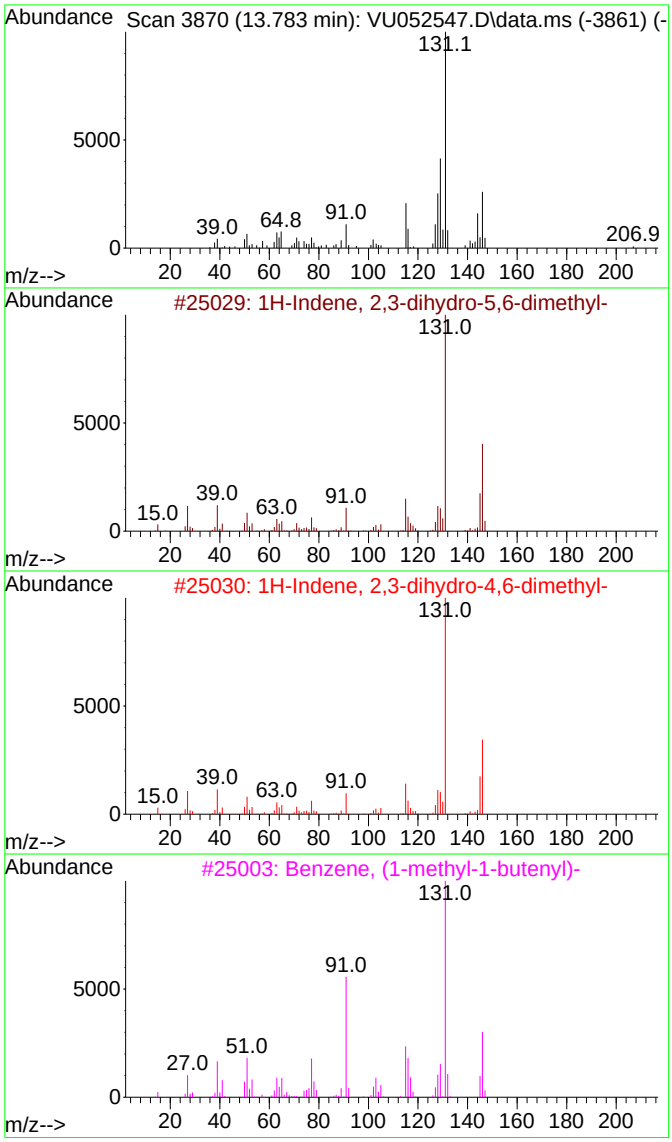
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

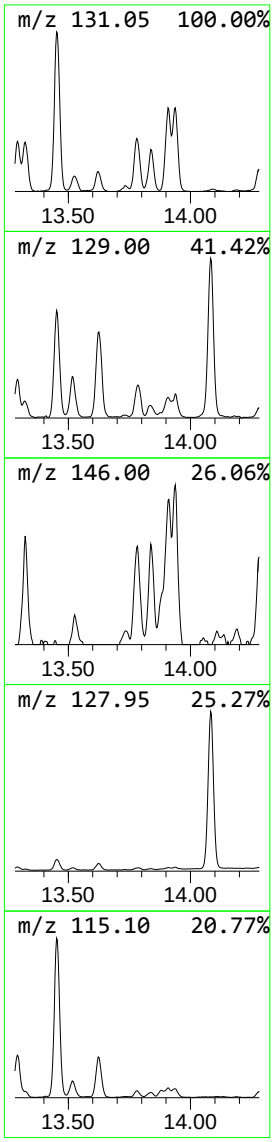
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.783	0.81 ug/L	78717	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	53
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	50
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	49
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

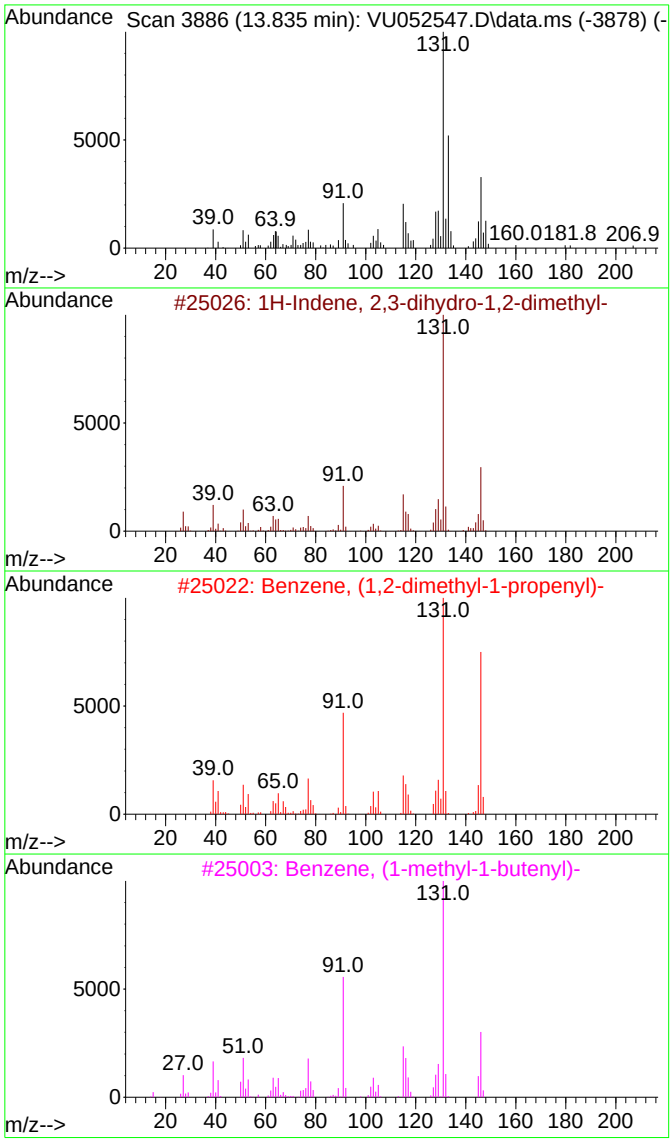
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

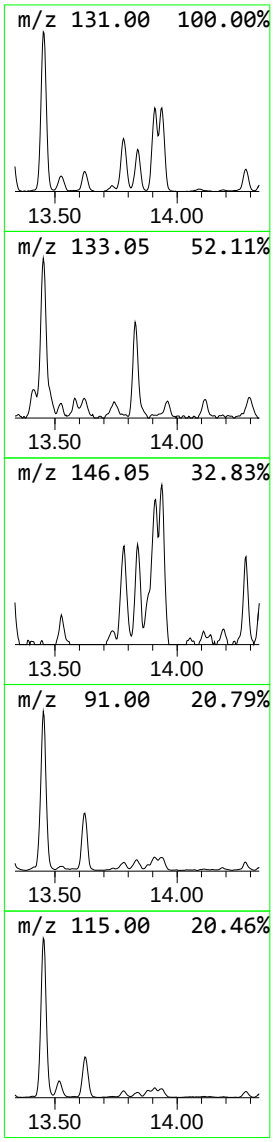
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.835	0.86 ug/L	83967	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	96
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	92
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

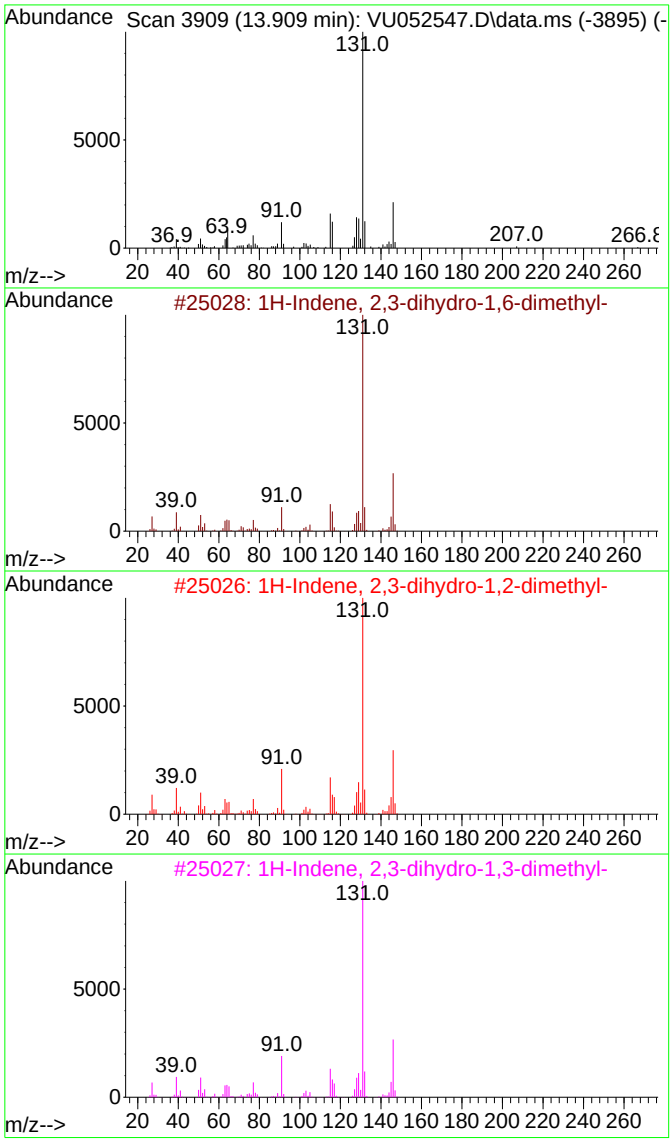
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

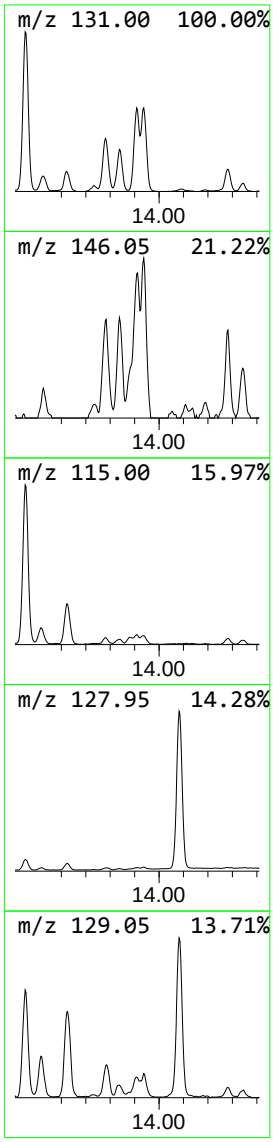
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.909	1.44 ug/L	140014	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

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

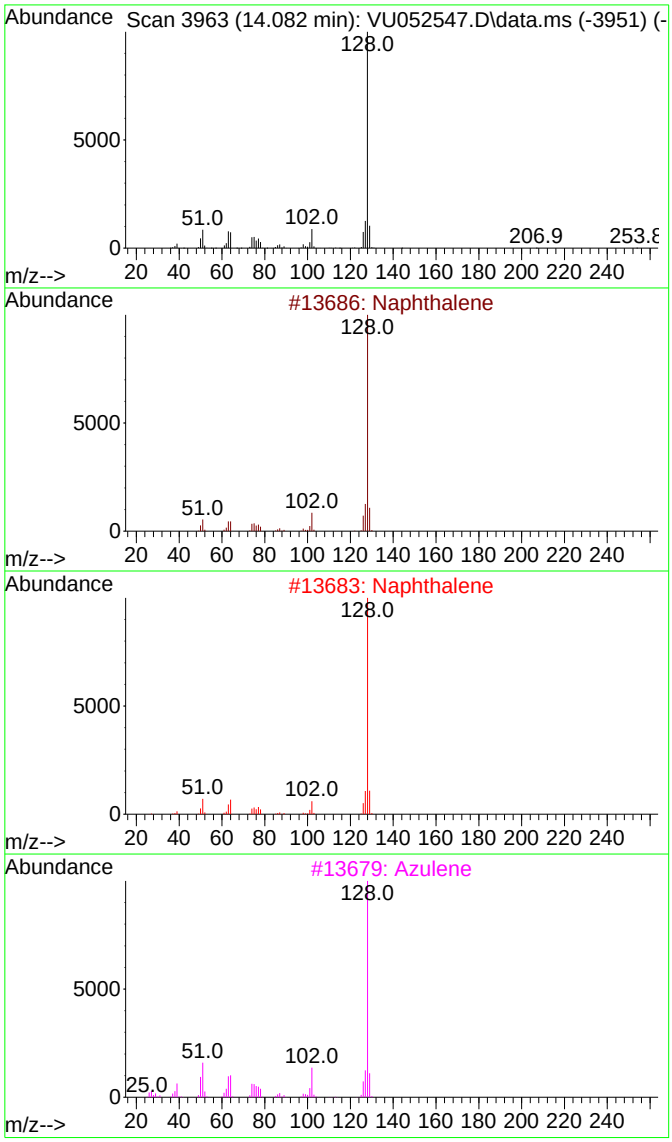
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

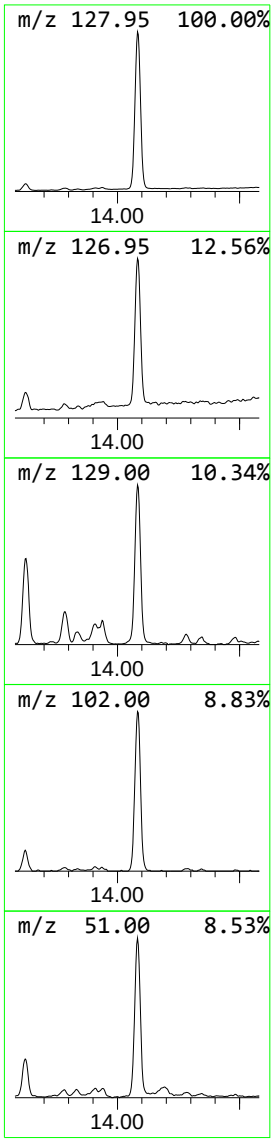
****

Peak Number 57 Azulene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.082	9.36 ug/L	912059	1,4-Dichlorobenzene-d4	11.815

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

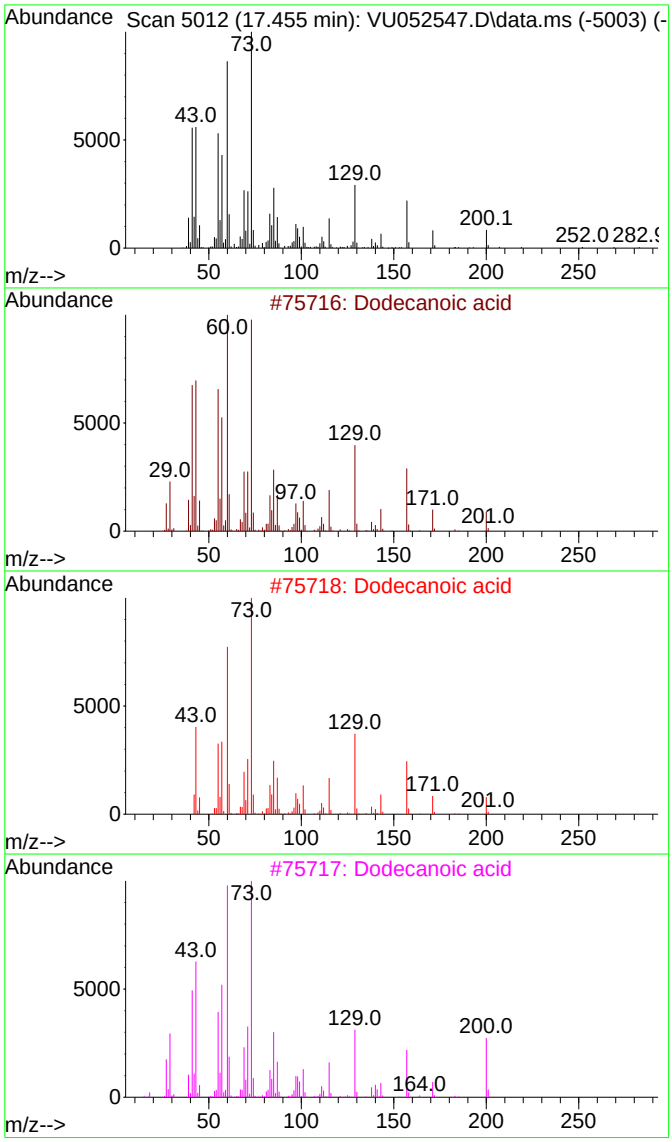
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

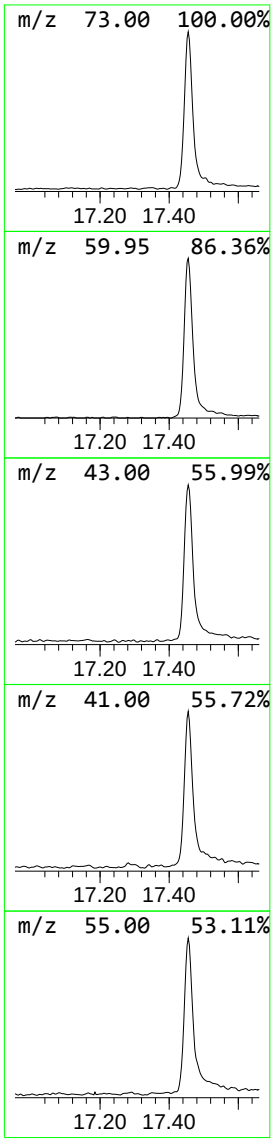
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Dodecanoic acid Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.455	4.99 ug/L	486055	1,4-Dichlorobenzene-d4	11.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	99
2	Dodecanoic acid	200	C12H24O2	000143-07-7	98
3	Dodecanoic acid	200	C12H24O2	000143-07-7	93
4	Dodecanoic acid	200	C12H24O2	000143-07-7	90
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

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...	2.050	43.0	ug/L	2416590	1	6.282	281287	5.0
(DEL) Alkane: S...	2.263	16.3	ug/L	914429	1	6.282	281287	5.0
(DEL) Alkane: C...	2.530	56.5	ug/L	3180190	1	6.282	281287	5.0
(DEL) Alkane: S...	3.112	23.1	ug/L	1300710	1	6.282	281287	5.0
(DEL) Alkane: S...	3.211	41.4	ug/L	2329270	1	6.282	281287	5.0
(DEL) Alkane: S...	3.430	12.2	ug/L	688823	1	6.282	281287	5.0
(DEL) Alkane: S...	3.642	3.0	ug/L	167749	1	6.282	281287	5.0
(DEL) Alkane: S...	3.767	1.6	ug/L	91170	1	6.282	281287	5.0
(DEL) Alkane: S...	3.899	1.2	ug/L	69122	1	6.282	281287	5.0
(DEL) Alkane: S...	4.050	18.1	ug/L	1016130	1	6.282	281287	5.0
(DEL) Alkane: S...	4.163	13.9	ug/L	784830	1	6.282	281287	5.0
Cyclopentene, 3...	4.240	3.6	ug/L	203537	1	6.282	281287	5.0
Cyclopentene, 4...	4.327	2.1	ug/L	119711	1	6.282	281287	5.0
(DEL) Alkane: S...	4.404	17.4	ug/L	978709	1	6.282	281287	5.0
(DEL) Alkane: S...	4.497	3.0	ug/L	171642	1	6.282	281287	5.0
(DEL) Alkane: C...	4.597	50.5	ug/L	2841750	1	6.282	281287	5.0
(DEL) Alkane: S...	4.674	14.3	ug/L	806578	1	6.282	281287	5.0
(DEL) Alkane: S...	5.044	1.7	ug/L	93110	1	6.282	281287	5.0
Cyclopentene, 1...	5.218	25.9	ug/L	1457210	1	6.282	281287	5.0
(DEL) Alkane: S...	5.327	2.4	ug/L	136819	1	6.282	281287	5.0
(DEL) Alkane: S...	5.478	14.7	ug/L	827127	1	6.282	281287	5.0
(DEL) Alkane: C...	5.642	5.0	ug/L	281745	1	6.282	281287	5.0
(DEL) Alkane: C...	5.848	4.3	ug/L	240967	1	6.282	281287	5.0
Cyclobutane, et...	5.896	17.2	ug/L	968617	1	6.282	281287	5.0
(DEL) Alkane: C...	5.976	16.8	ug/L	943558	1	6.282	281287	5.0
unknown-01	6.050	13.2	ug/L	741518	1	6.282	281287	5.0
(DEL) Alkane: S...	6.629	18.5	ug/L	1039080	1	6.282	281287	5.0
(DEL) Alkane: C...	7.053	1.6	ug/L	88768	1	6.282	281287	5.0
Cyclohexene, 1-...	7.227	3.5	ug/L	195291	1	6.282	281287	5.0
Cyclobutane, (1...	7.455	7.7	ug/L	434543	1	6.282	281287	5.0
Cyclohexene, 3-...	7.809	14.1	ug/L	790170	1	6.282	281287	5.0
(DEL) Alkane: C...	8.288	2.0	ug/L	180961	2	9.439	456473	5.0
Cyclopentene, 1...	8.446	3.1	ug/L	280446	2	9.439	456473	5.0
Cyclohexene, 1,...	9.102	1.0	ug/L	87742	2	9.439	456473	5.0
Benzene, propyl-	10.912	9.8	ug/L	957164	3	11.815	487112	5.0
Benzene, 1-ethy...	11.028	1.7	ug/L	161865	3	11.815	487112	5.0
Benzene, 1-ethy...	11.294	9.9	ug/L	961131	3	11.815	487112	5.0
Benzene, 1,2,3-...	11.896	3.4	ug/L	330870	3	11.815	487112	5.0
Indane	12.095	65.6	ug/L	6391160	3	11.815	487112	5.0
Benzofuran, 2,3...	12.304	1.1	ug/L	111073	3	11.815	487112	5.0
Benzene, 2-ethy...	12.571	4.4	ug/L	425753	3	11.815	487112	5.0
(E)-1-Phenyl-1-...	12.610	3.5	ug/L	338001	3	11.815	487112	5.0
Benzene, 1-ethe...	12.680	9.9	ug/L	969345	3	11.815	487112	5.0
Benzene, 1,2,4,...	12.970	3.2	ug/L	312121	3	11.815	487112	5.0
2,2-Dimethylind...	13.114	0.9	ug/L	84232	3	11.815	487112	5.0
Benzene, 2-ethe...	13.291	3.2	ug/L	309405	3	11.815	487112	5.0
1-Phenyl-1-butene	13.452	14.2	ug/L	1383210	3	11.815	487112	5.0
Cycloprop[a]ind...	13.520	0.8	ug/L	77334	3	11.815	487112	5.0
Benzene, (1-met...	13.622	3.3	ug/L	317124	3	11.815	487112	5.0
1H-Indene, 2,3-...	13.783	0.8	ug/L	78717	3	11.815	487112	5.0
1H-Indene, 2,3-...	13.835	0.9	ug/L	83967	3	11.815	487112	5.0
1H-Indene, 2,3-...	13.909	1.4	ug/L	140014	3	11.815	487112	5.0

Azulene	14.082	9.4	ug/L	912059	3	11.815	487112	5.0
Dodecanoic acid	17.455	5.0	ug/L	486055	3	11.815	487112	5.0

Instrument :
MSVOA_U
ClientSampleId :
GBQD6