LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

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_V\Method\SFAMVTR110421WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV023559.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.105	15	20	36	rVB	644887	601123	66.47%	6.175%
2	1.172	36	41	48	rVV2	25465	25844	2.86%	0.265%
3	1.211	48	53	59	rVB2	22694	19019	2.10%	0.195%
4	1.291	71	78	88	rBV2	303553	378854	41.89%	3.892%
5	1.352	89	97	106	rVB2	54232	63988	7.08%	0.657%
6	1.413	107	116	128	rBV2	107746	119409	13.20%	1.227%
7	1.548	149	158	177	rBV4	62224	142124	15.72%	1.460%
8	1.632	177	184	192	rVB	16126	19932	2.20%	0.205%
9	1.764	218	225	232	rBV	43646	54151	5.99%	0.556%
10	1.815	232	241	255	rVV4	31947	57143	6.32%	0.587%
11	1.899	259	267	275	rVB	47411	59956	6.63%	0.616%
12	1.950	276	283	286	rBV2	12057	16052	1.77%	0.165%
13	1.979	286	292	298	rVV	42146	55760	6.17%	0.573%
14	2.031	298	308	322	rVV	658629	904362	100.00%	9.289%
15	2.105	323	331	346	rVB	74709	108767	12.03%	1.117%
16	2.343	396	405	417	rVB2	9902	15619	1.73%	0.160%
17	2.468	422	444	456	rBV3	35742	85463	9.45%	0.878%
18	2.564	468	474	488	rVB10	7749	14050	1.55%	0.144%
19	2.651	492	501	514	rVB4	11467	21091	2.33%	0.217%
20	2.748	517	531	549	rBV	32503	62015	6.86%	0.637%
21	2.925	573	586	594	rBV7	7659	17597	1.95%	0.181%
22	3.198	658	671	683	rVB5	14016	34527	3.82%	0.355%
23	3.429	730	743	753	rBV9	9496	24719	2.73%	0.254%
24	3.664	800	816	829	rBV6	9872	25480	2.82%	0.262%
25	3.796	848	857	878	rVB6	12734	29652	3.28%	0.305%
26	3.902	880	890	900	rBV5	4343	9266	1.02%	0.095%
27	3.998	901	920	949	rVB2	14932	72126	7.98%	0.741%
28	4.346	1012	1028	1046	rBV	64574	161854	17.90%	1.663%
29	4.436	1047	1056	1076	rVB9	5661	16182	1.79%	0.166%
30	5.047	1231	1246	1255	rBV2	150163	332253	36.74%	3.413%
31	5.098	1256	1262	1280	rVB2	95848	198550	21.95%	2.039%
32	5.217	1288	1299	1311	rVB7	4766	12414	1.37%	0.128%
33	5.362	1331	1344	1360	rBV3	25131	55055	6.09%	0.566%
34	5.622	1411	1425	1449	rBV	144712	300782	33.26%	3.090%
35	5.950	1510	1527	1545	rBV	259176	503527	55.68%	5.172%
36	6.037	1545	1554	1559	rVV2	25653	46744	5.17%	0.480%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

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_V\Method\SFAMVTR110421WMA.M
Title : TRACE VOA SFAM1.0

37	6.079	1559	1567	1595	rVB	78948	173657	19.20%	1.784%
38	6.995	1841	1852	1874	rBV	38453	71003	7.85%	0.729%
39	7.320	1941	1953	1965	rBV	156632	272661	30.15%	2.801%
40	7.391	1965	1975	2001	rVB	461525	776295	85.84%	7.974%
41	7.532	2011	2019	2027	rVB	10485	17567	1.94%	0.180%
42	7.632	2042	2050	2064	rVV2	19726	36841	4.07%	0.378%
43	7.706	2067	2073	2090	rVB3	5450	10725	1.19%	0.110%
44	7.863	2106	2122	2138	rBV5	21513	45105	4.99%	0.463%
45	8.108	2189	2198	2227	rBV	123630	277722	30.71%	2.853%
46	8.252	2237	2243	2256	rVB3	17152	27973	3.09%	0.287%
47	8.776	2395	2406	2419	rBV6	6760	12395	1.37%	0.127%
48	8.854	2419	2430	2458	rVB	209881	367170	40.60%	3.772%
49	9.014	2469	2480	2496	rBV	142820	231520	25.60%	2.378%
50	9.140	2503	2519	2536	rBV	258793	438312	48.47%	4.502%
51	9.217	2536	2543	2558	rVB4	5150	13010	1.44%	0.134%
52	9.474	2608	2623	2635	rBV8	10834	22543	2.49%	0.232%
53	9.545	2635	2645	2665	rVB	133292	212643	23.51%	2.184%
54	9.683	2676	2688	2699	rBV9	5066	10359	1.15%	0.106%
55	9.934	2756	2766	2777	rBV3	13595	22703	2.51%	0.233%
56	10.014	2782	2791	2805	rVB	42571	67891	7.51%	0.697%
57	10.217	2842	2854	2871	rBV2	58309	96733	10.70%	0.994%
58	10.358	2887	2898	2908	rBV2	12312	23165	2.56%	0.238%
59	10.413	2908	2915	2919	rVV4	10797	15909	1.76%	0.163%
60	10.448	2919	2926	2942	rVB	26945	56710	6.27%	0.583%
61	10.538	2948	2954	2962	rVB3	9432	13251	1.47%	0.136%
62	10.699	2993	3004	3007	rBV2	10911	15036	1.66%	0.154%
63	10.918	3062	3072	3085	rVB2	29387	46123	5.10%	0.474%
64	11.091	3115	3126	3137	rVB6	8926	14678	1.62%	0.151%
65	11.249	3165	3175	3192	rBV	226688	353769	39.12%	3.634%
66	11.336	3192	3202	3214	rVV	47534	72765	8.05%	0.747%
67	11.529	3252	3262	3272	rBV2	30598	60116	6.65%	0.618%
68	11.574	3272	3276	3282	rVV2	14292	20609	2.28%	0.212%
69	11.625	3282	3292	3315	rVB2	182274	322001	35.61%	3.308%
70	11.818	3345	3352	3363	rVB2	10971	16023	1.77%	0.165%
71	11.915	3371	3382	3400	rBV4	22045	58071	6.42%	0.596%
72	12.014	3400	3413	3423	rBV	30620	49157	5.44%	0.505%
73	12.114	3436	3444	3453	rBV3	11837	21579	2.39%	0.222%
74	12.316	3497	3507	3510	rBV2	9940	14084	1.56%	0.145%
75	12.345	3510	3516	3525	rVV4	16852	26219	2.90%	0.269%
76	12.413	3529	3537	3545	rVB2	13194	18952	2.10%	0.195%

LSC Area Percent Report

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Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

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_V\Method\SFAMVTR110421WMA.M
Title : TRACE VOA SFAM1.0

77	12.464	3545	3553	3563	rBV2	20711	31246	3.46%	0.321%
78	12.725	3625	3634	3643	rVB4	9236	14667	1.62%	0.151%
79	12.882	3673	3683	3699	rVB4	26600	50843	5.62%	0.522%
80	13.046	3726	3734	3755	rVB5	14816	29612	3.27%	0.304%
81	13.268	3794	3803	3810	rBV9	6189	10407	1.15%	0.107%
82	13.612	3901	3910	3922	rVB3	23387	37621	4.16%	0.386%
83	13.705	3930	3939	3951	rVB2	23498	39382	4.35%	0.405%
84	14.104	4048	4063	4077	rBV9	17171	43348	4.79%	0.445%
85	14.223	4091	4100	4111	rBV8	8907	15282	1.69%	0.157%
86	14.294	4111	4122	4134	rVV8	14247	26757	2.96%	0.275%
87	14.429	4155	4164	4179	rBV4	15657	30875	3.41%	0.317%
88	14.615	4213	4222	4235	rBV5	26881	53066	5.87%	0.545%
89	14.683	4236	4243	4257	rVB5	25969	51445	5.69%	0.528%
90	14.763	4257	4268	4277	rBV9	9445	17255	1.91%	0.177%
91	14.879	4296	4304	4310	rBV9	10557	17824	1.97%	0.183%
92	14.914	4310	4315	4322	rVB7	9238	14052	1.55%	0.144%
93	14.992	4331	4339	4351	rBV9	11387	25581	2.83%	0.263%
94	15.162	4381	4392	4394	rBV8	7974	12951	1.43%	0.133%
95	15.336	4432	4446	4462	rVB3	17406	52140	5.77%	0.536%
96	15.416	4462	4471	4481	rBV8	13101	25014	2.77%	0.257%
97	15.561	4508	4516	4521	rVV6	9733	15122	1.67%	0.155%
98	15.673	4544	4551	4560	rBV9	9717	16144	1.79%	0.166%
99	15.815	4587	4595	4602	rBV8	9498	16233	1.79%	0.167%

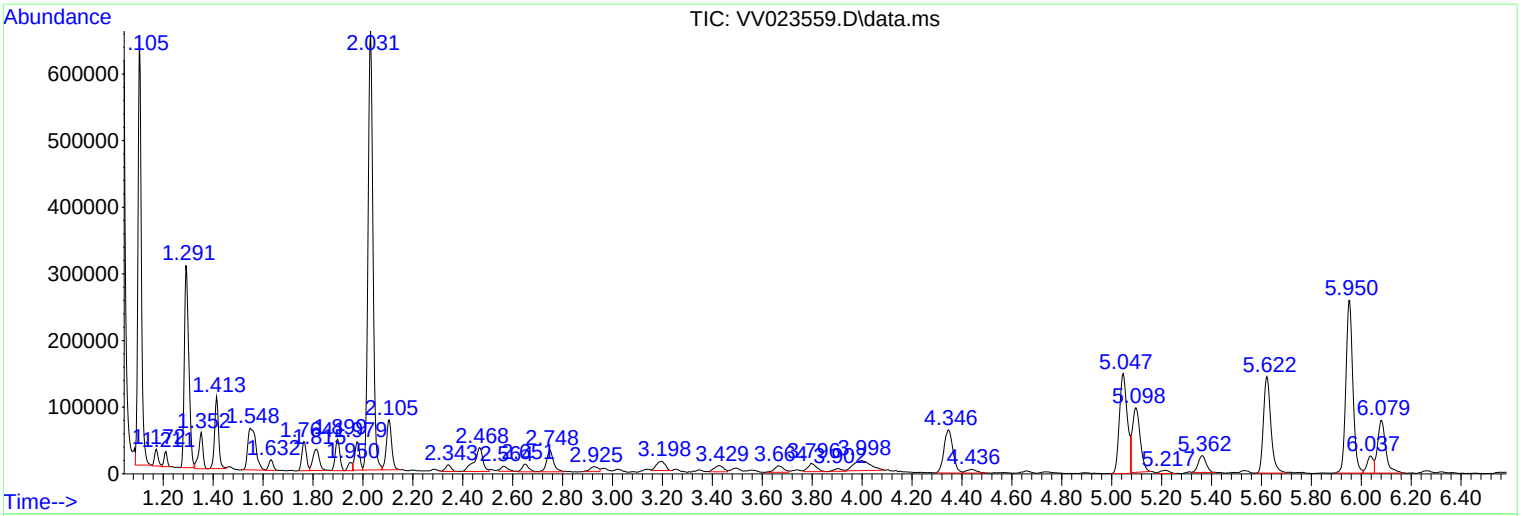
Sum of corrected areas: 9735362

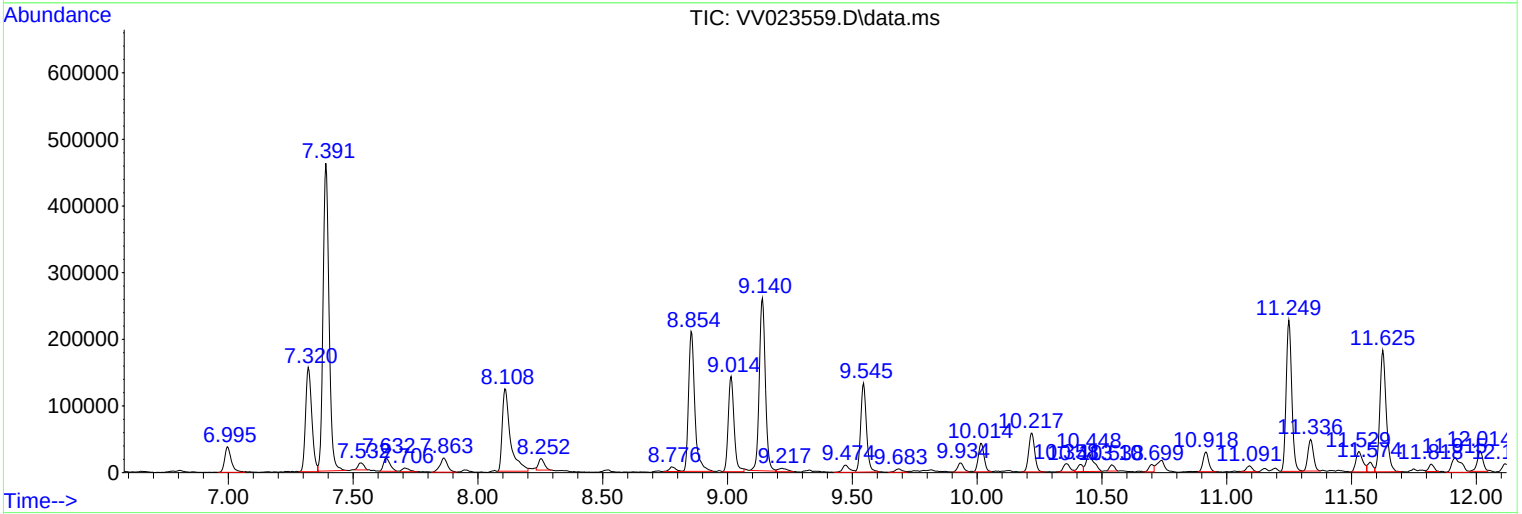
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

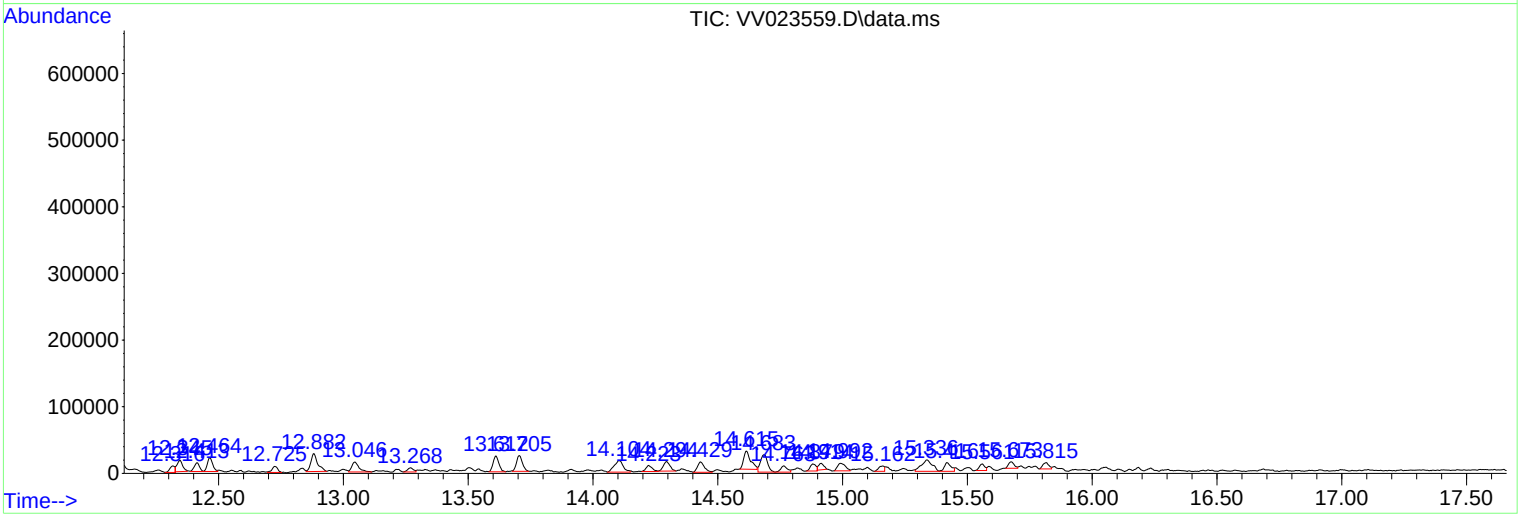
Instrument :
MSVOA_V
ClientSampleId :
H4667

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

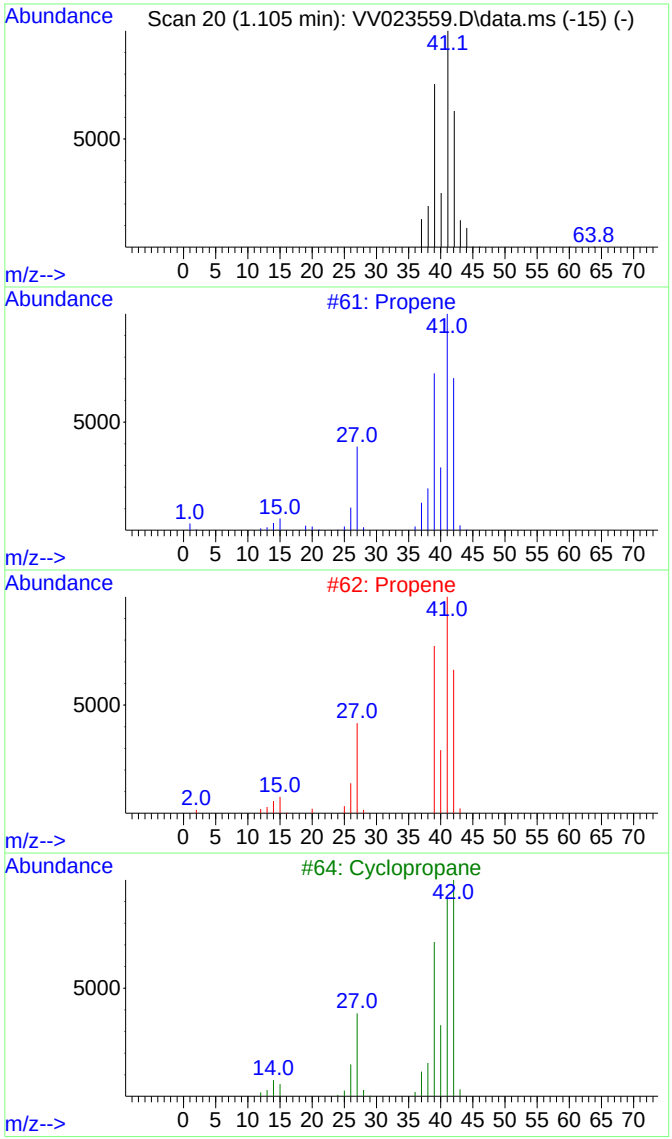
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

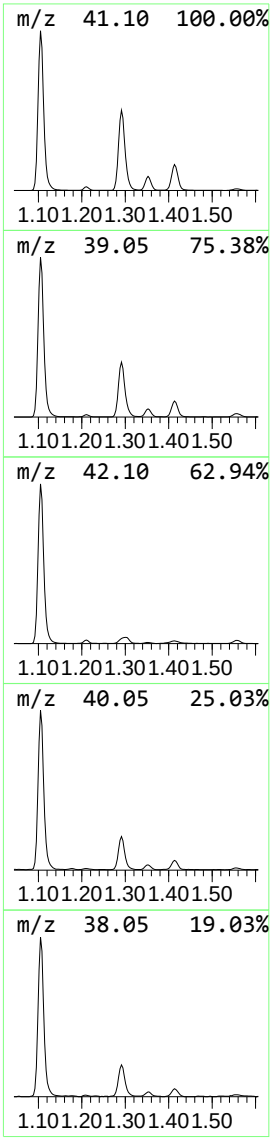
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.105	9.99 ug/L	601123	1,4-Difluorobenzene	5.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	45
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cyclopropene	40	C3H4	002781-85-3	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

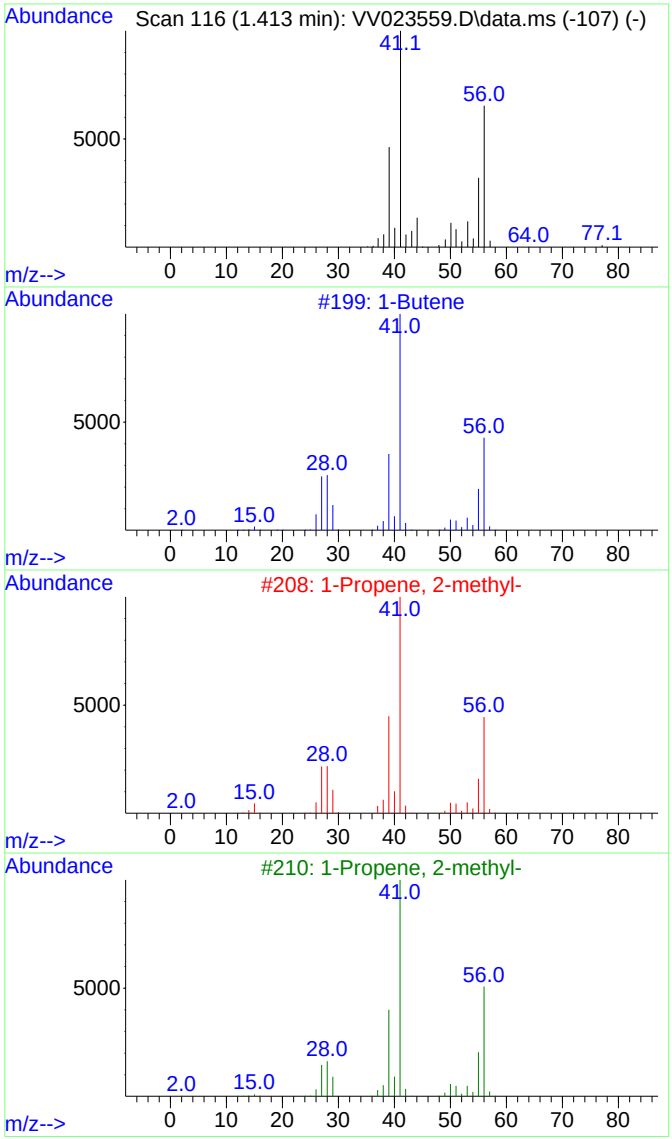
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

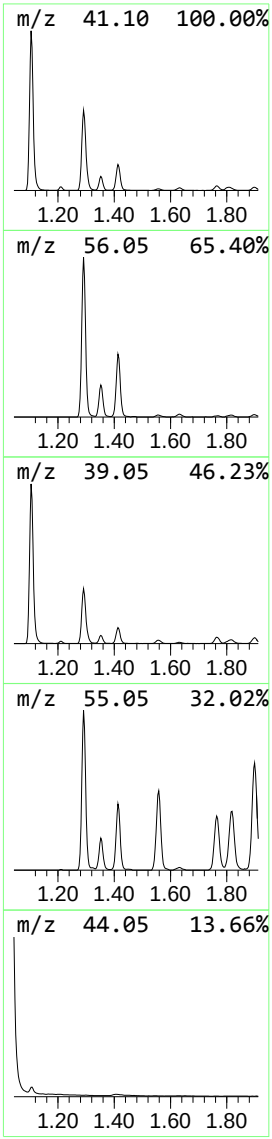
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.413	1.98 ug/L	119409	1,4-Difluorobenzene	5.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	74
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	74
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	74
4	1-Butene	56	C4H8	000106-98-9	72
5	2-Butene, (Z)-	56	C4H8	000590-18-1	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

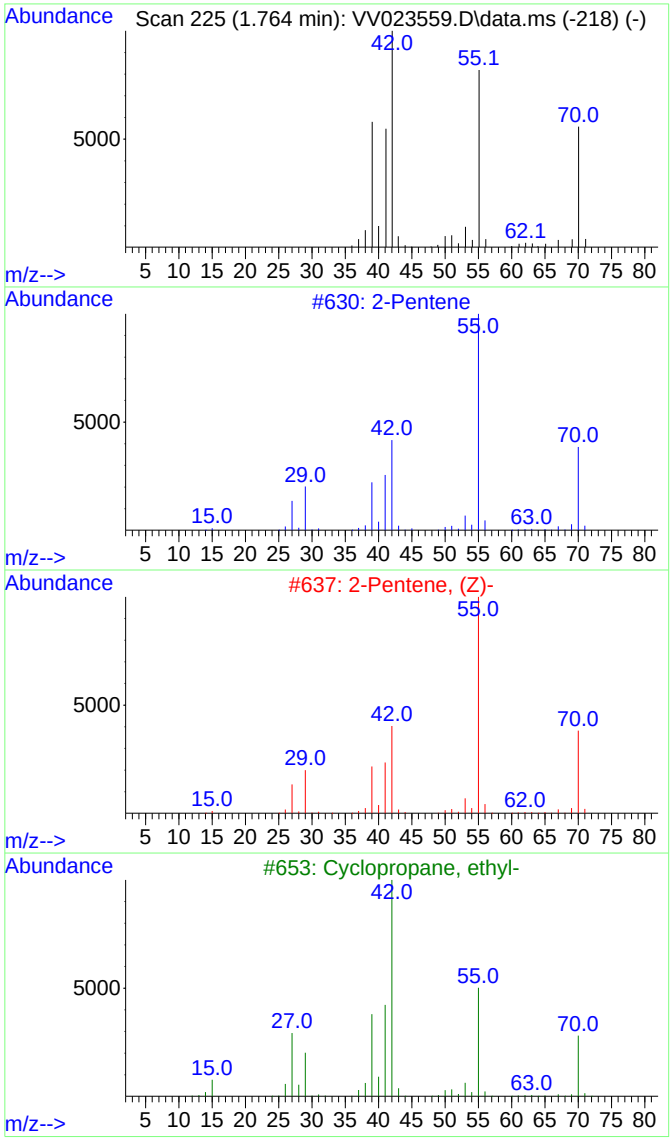
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

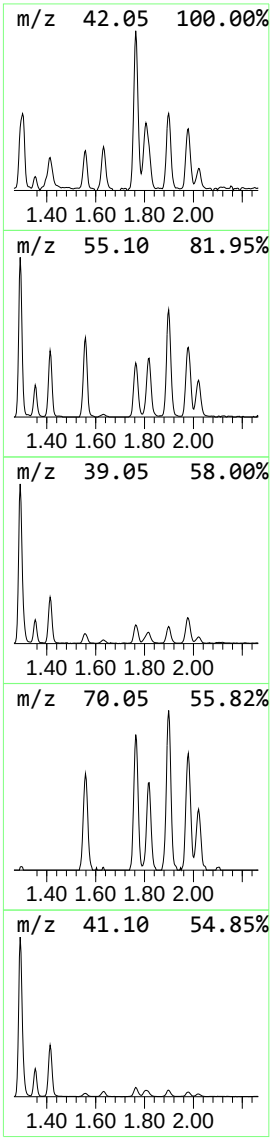
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.764	0.90 ug/L	54151	1,4-Difluorobenzene	5.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene	70	C5H10	000109-68-2	83
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	76
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	72
5	1-Pentene	70	C5H10	000109-67-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

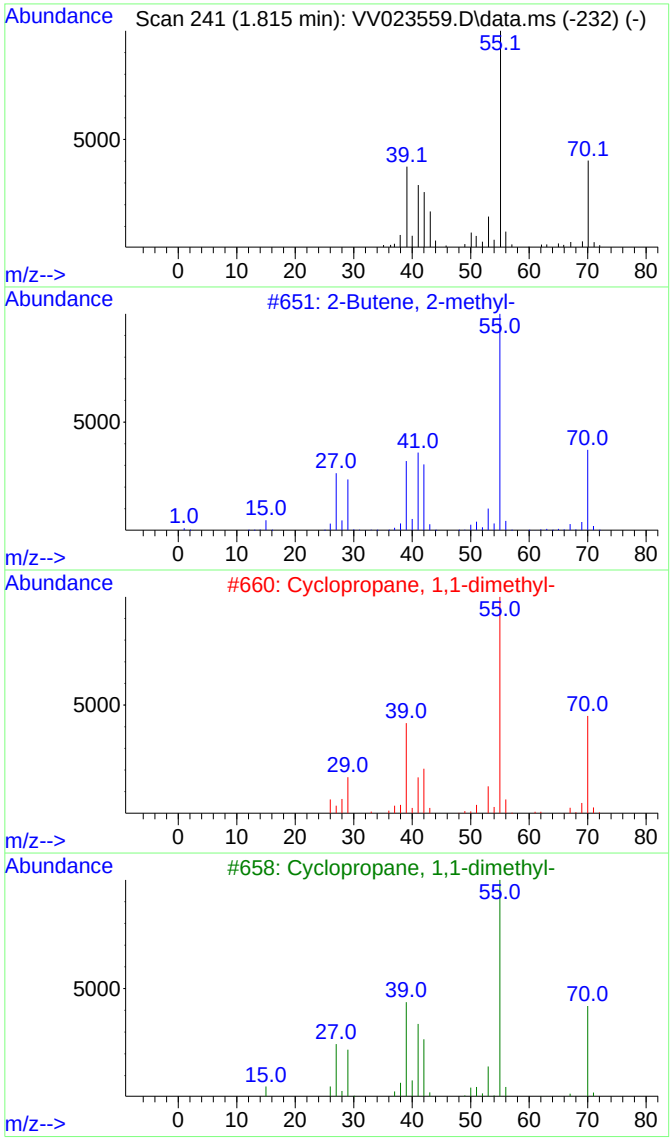
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

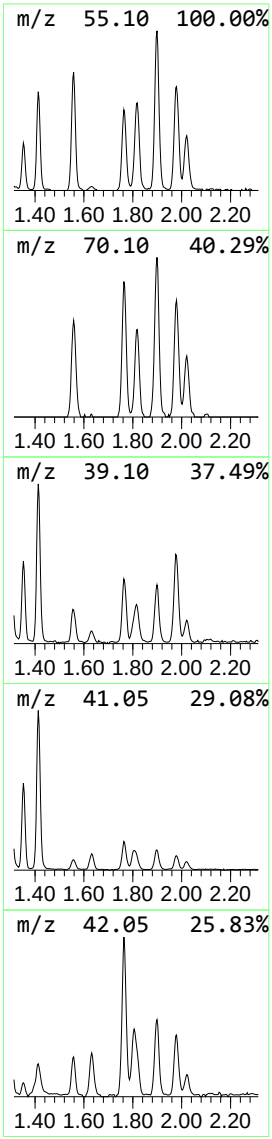
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.815	0.95 ug/L	57143	1,4-Difluorobenzene	5.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	83
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	83
4	1-Butene, 3-methyl-	70	C5H10	000563-45-1	83
5	2-Methyl-1-butene	70	C5H10	000563-46-2	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

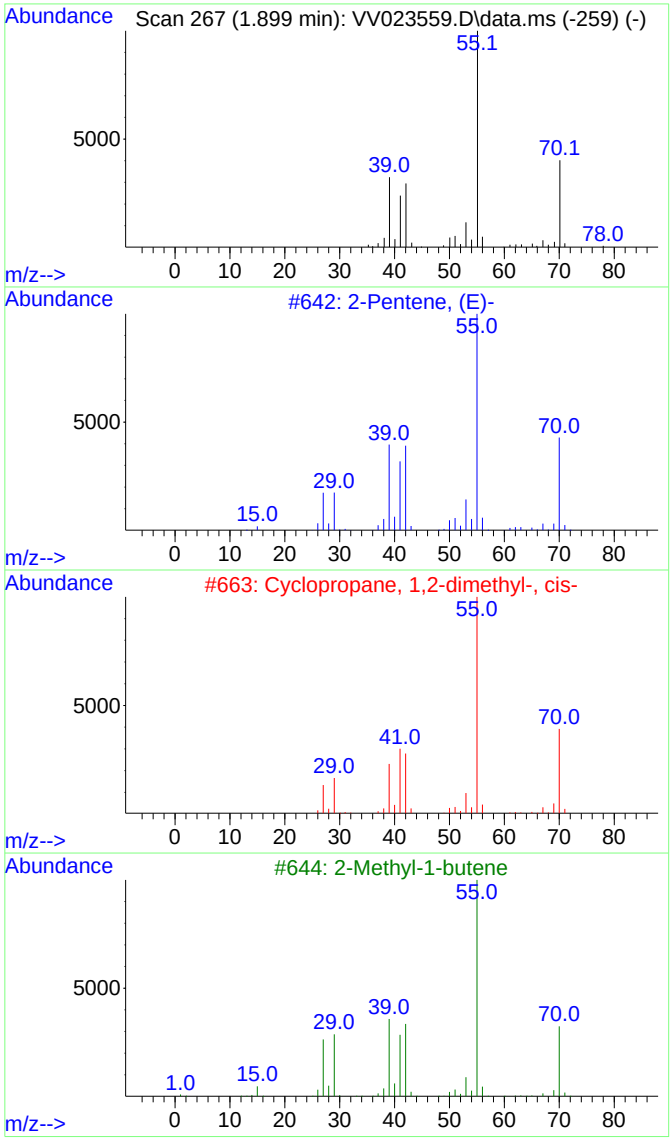
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

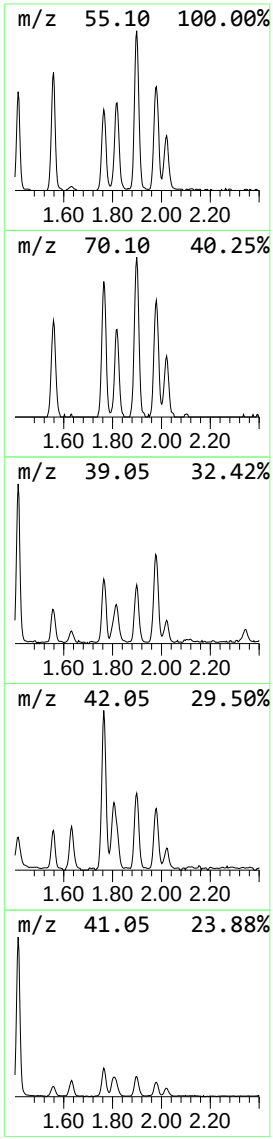
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.899	1.00 ug/L	59956	1,4-Difluorobenzene	5.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	94
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3	2-Methyl-1-butene	70	C5H10	000563-46-2	87
4	1-Butene, 3-methyl-	70	C5H10	000563-45-1	86
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

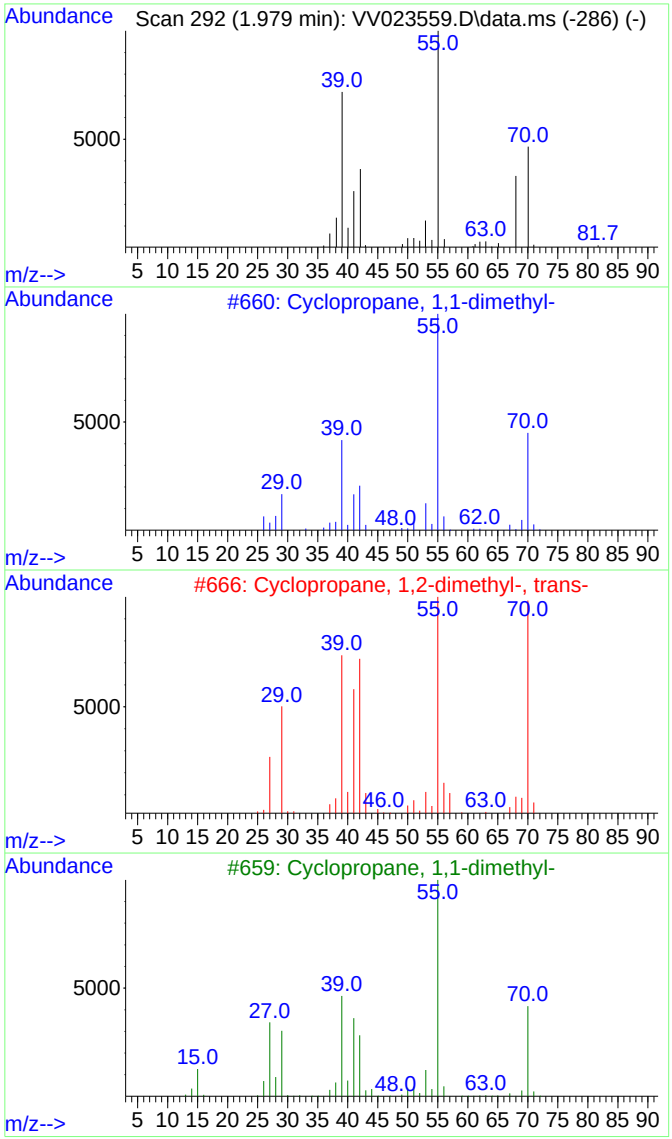
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

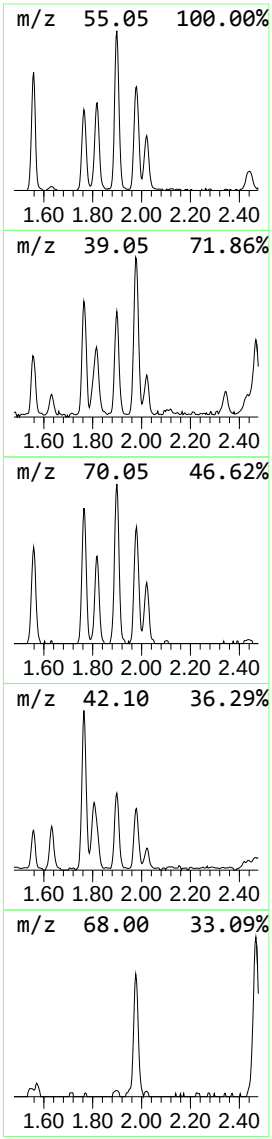
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic1.979 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.979	0.93 ug/L	55760	1,4-Difluorobenzene	5.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	64
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	58
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	50
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	47
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	47





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Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

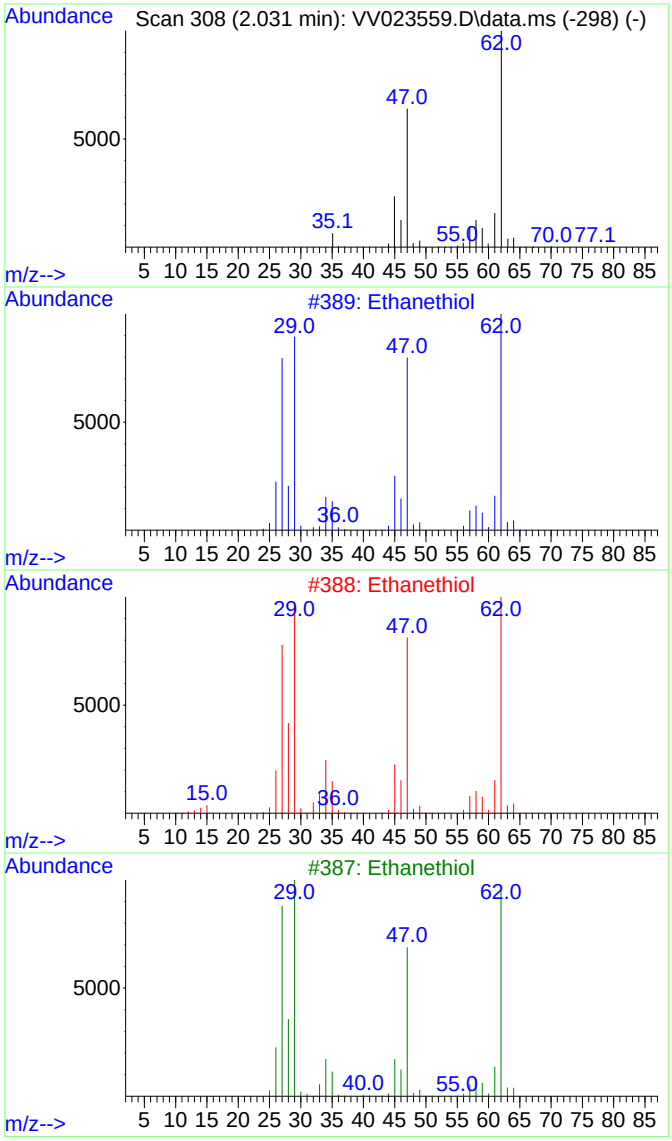
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

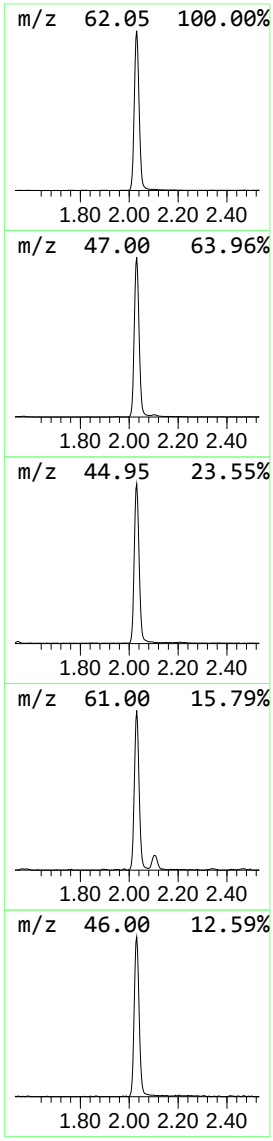
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Ethanethiol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.031	15.03 ug/L	904362	1,4-Difluorobenzene	5.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanethiol	62	C2H6S	000075-08-1	91
2	Ethanethiol	62	C2H6S	000075-08-1	91
3	Ethanethiol	62	C2H6S	000075-08-1	91
4	Ethanethiol	62	C2H6S	000075-08-1	91
5	Ethanethiol	62	C2H6S	000075-08-1	91





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Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

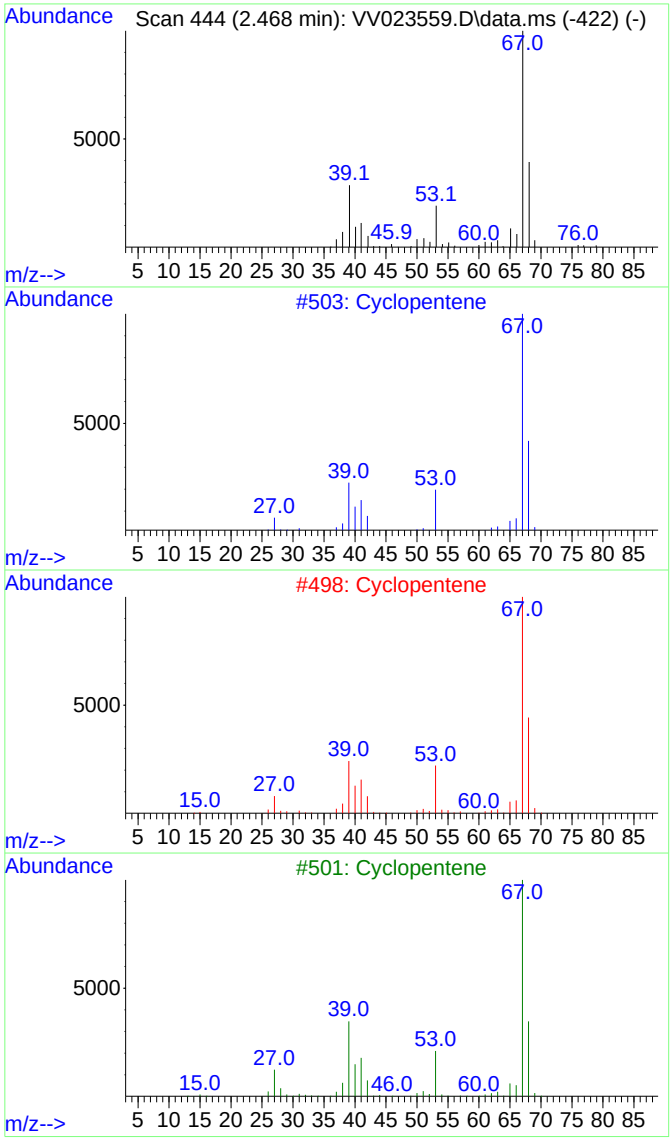
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

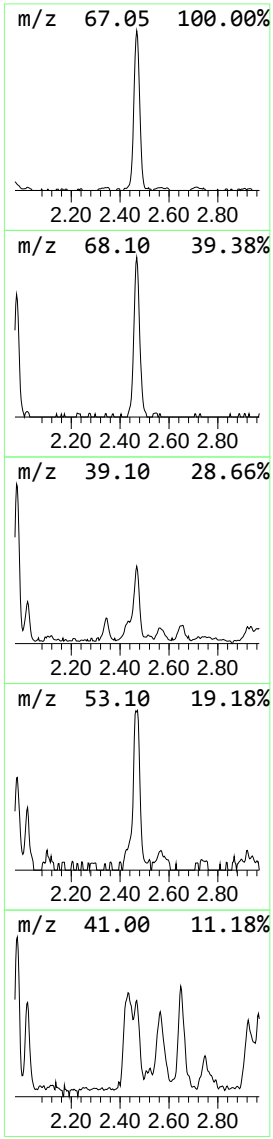
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic2.468 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.468	1.42 ug/L	85463	1,4-Difluorobenzene	5.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	Cyclopentene	68	C5H8	000142-29-0	91
3	Cyclopentene	68	C5H8	000142-29-0	91
4	Cyclopentene	68	C5H8	000142-29-0	86
5	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

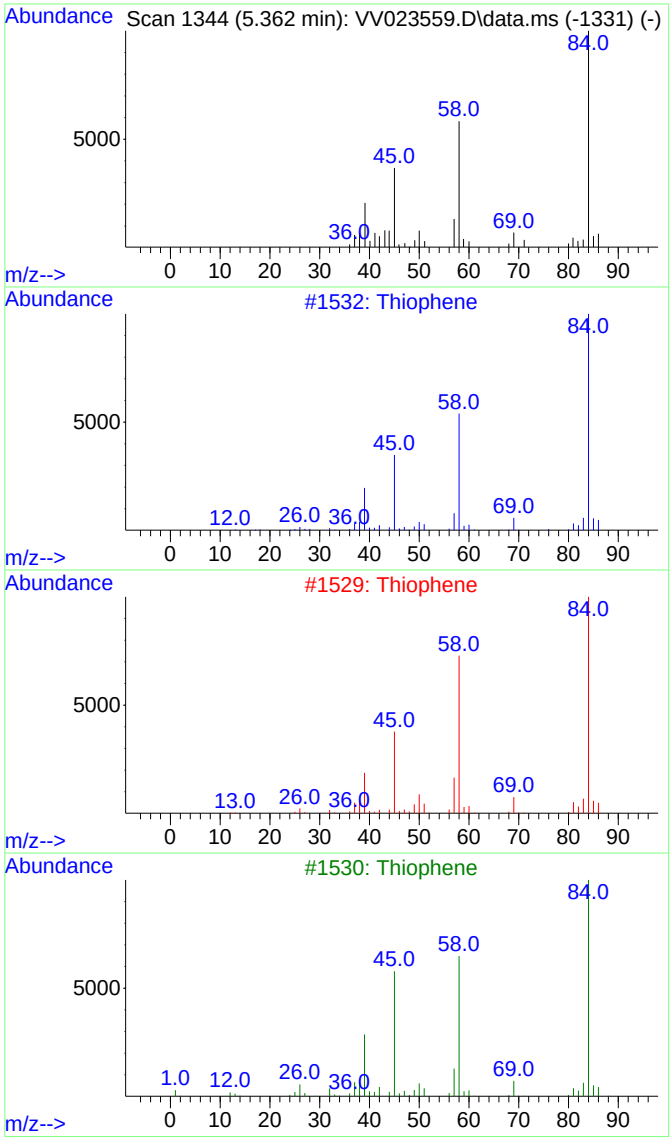
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

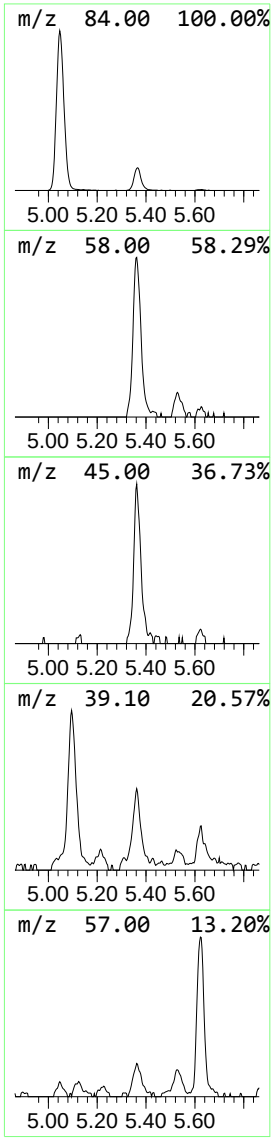
****

Peak Number 9 Thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.362	0.92 ug/L	55055	1,4-Difluorobenzene	5.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	94
2	Thiophene	84	C4H4S	000110-02-1	91
3	Thiophene	84	C4H4S	000110-02-1	91
4	Thiophene	84	C4H4S	000110-02-1	91
5	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	43





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Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

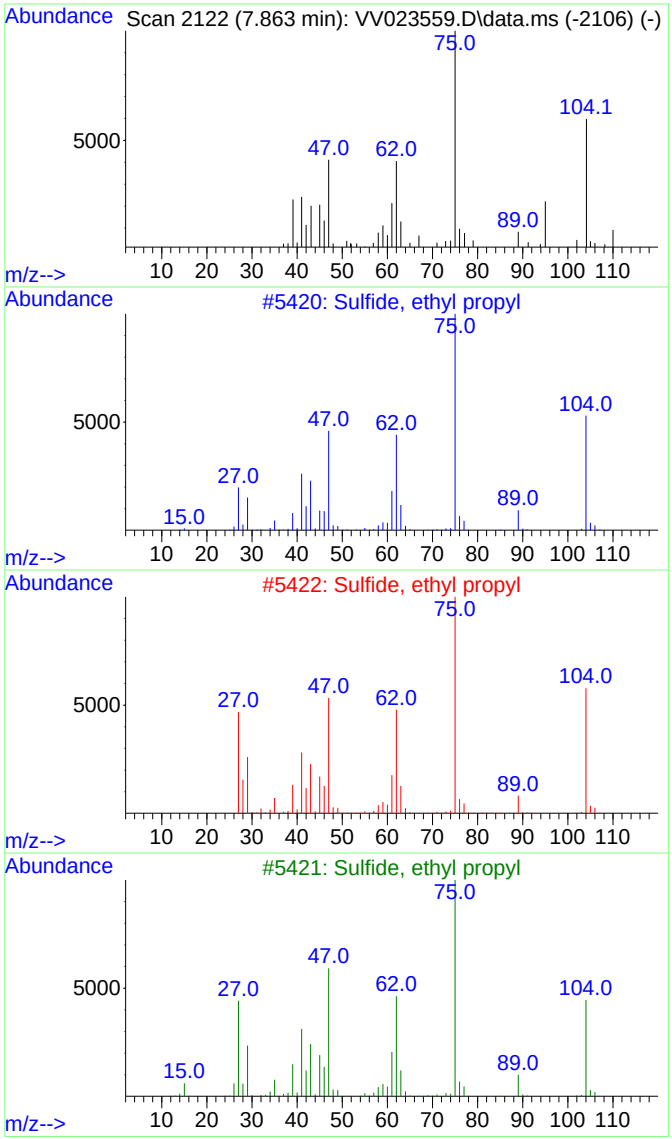
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

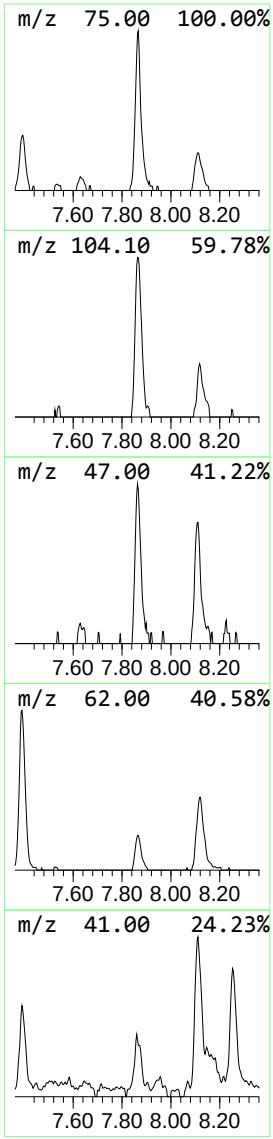
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Sulfide, ethyl propyl Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.863	0.61 ug/L	45105	Chlorobenzene-d5	8.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	95
2	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	93
3	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	90
4	Diethyl sulfide	90	C4H10S	000352-93-2	40
5	Ethanol, 2-(ethylthio)-	106	C4H10OS	000110-77-0	38





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Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

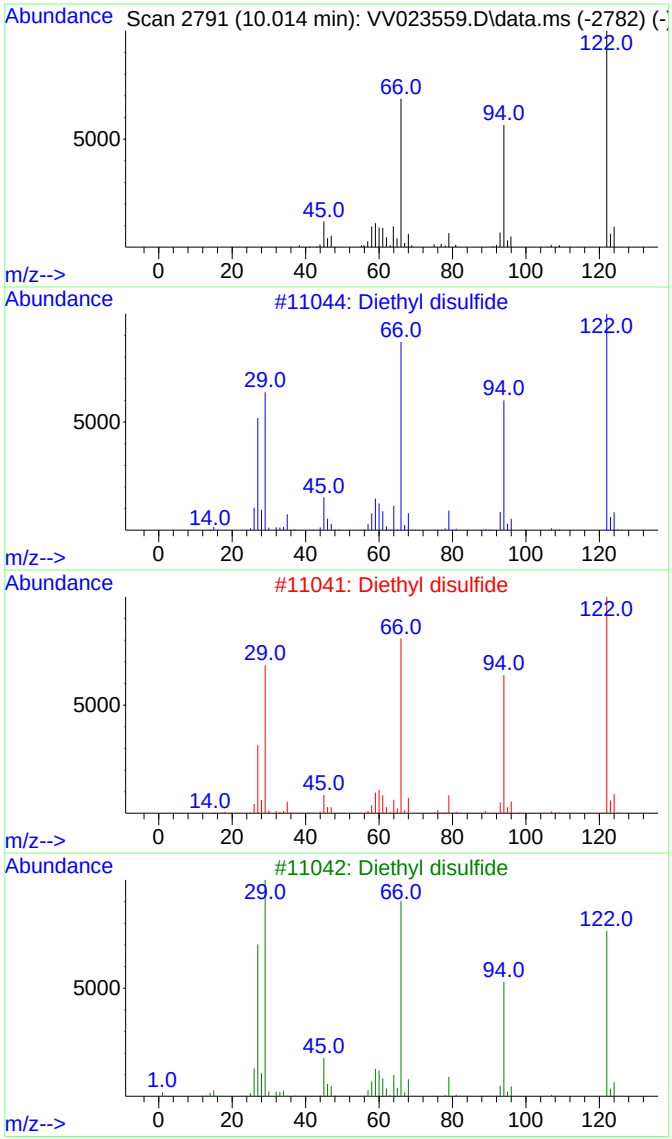
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

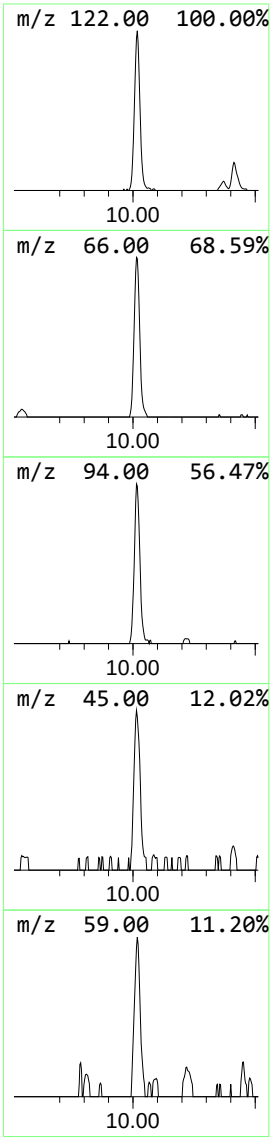
****

Peak Number 12 Diethyl disulfide Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.014	0.92 ug/L	67891	Chlorobenzene-d5	8.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl disulfide	122	C4H10S2	000110-81-6	95
2	Diethyl disulfide	122	C4H10S2	000110-81-6	94
3	Diethyl disulfide	122	C4H10S2	000110-81-6	91
4	Propanedinitrile, (ethoxymethyle...	122	C6H6N2O	000123-06-8	72
5	Benzene, ethoxy-	122	C8H10O	000103-73-1	45





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Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

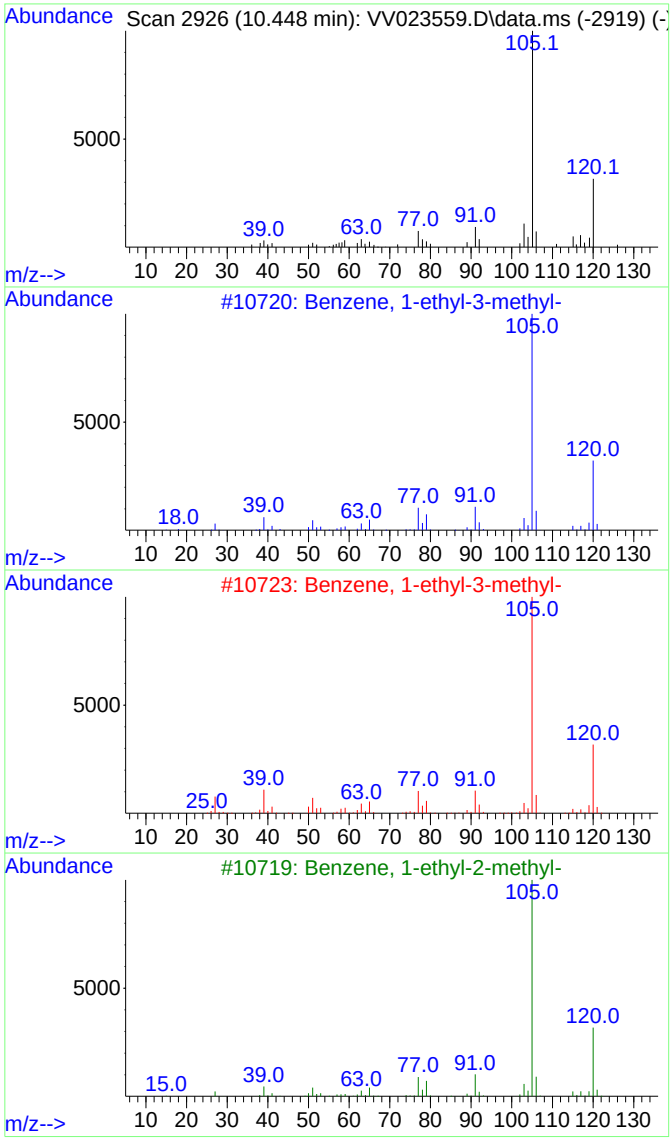
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

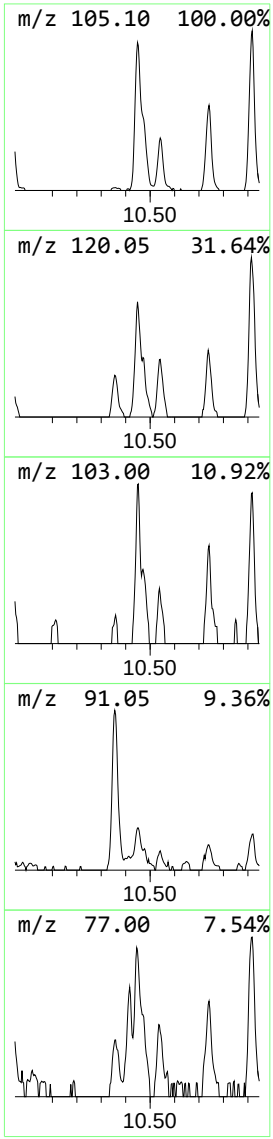
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethyl-3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.448	0.80 ug/L	56710	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	72
4	Mesitylene	120	C9H12	000108-67-8	72
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72





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Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

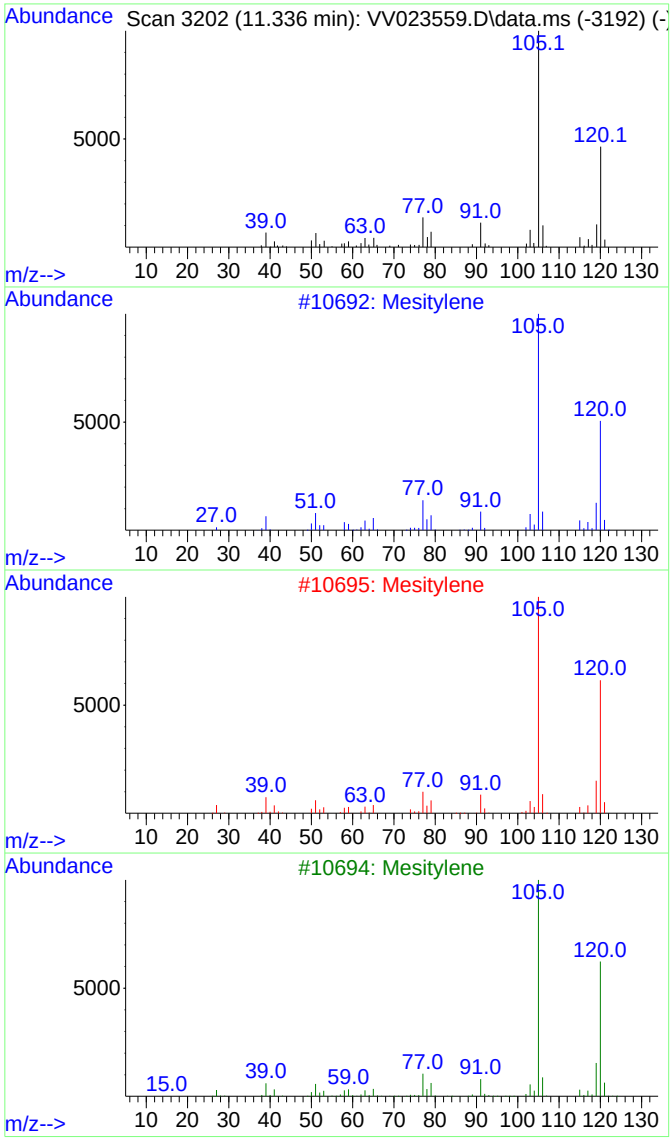
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

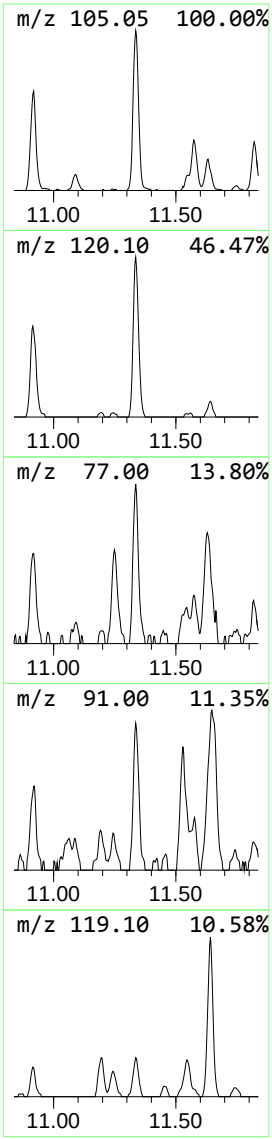
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.336	1.03 ug/L	72765	1,4-Dichlorobenzene-d4	11.249

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





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Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

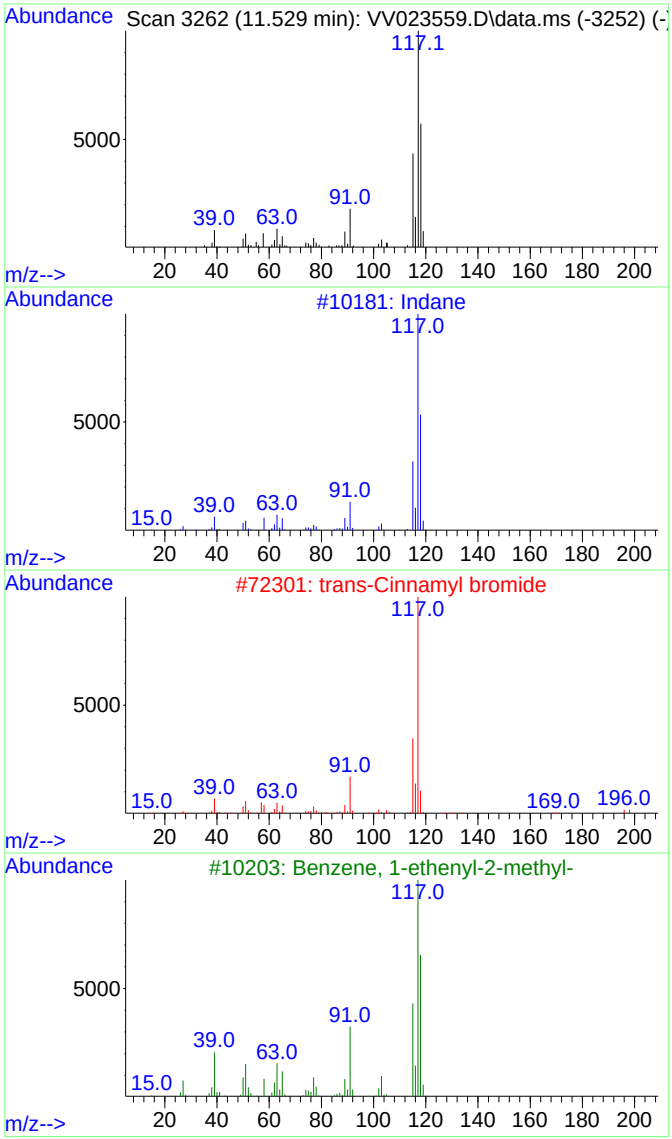
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

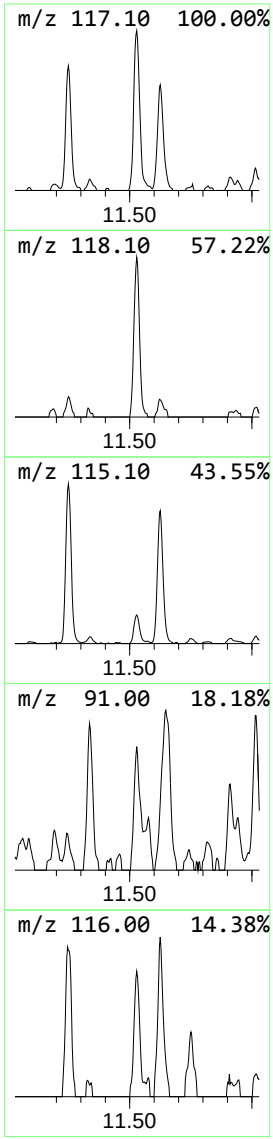
****

Peak Number 15 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.529	0.85 ug/L	60116	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	72
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	68
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68





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Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

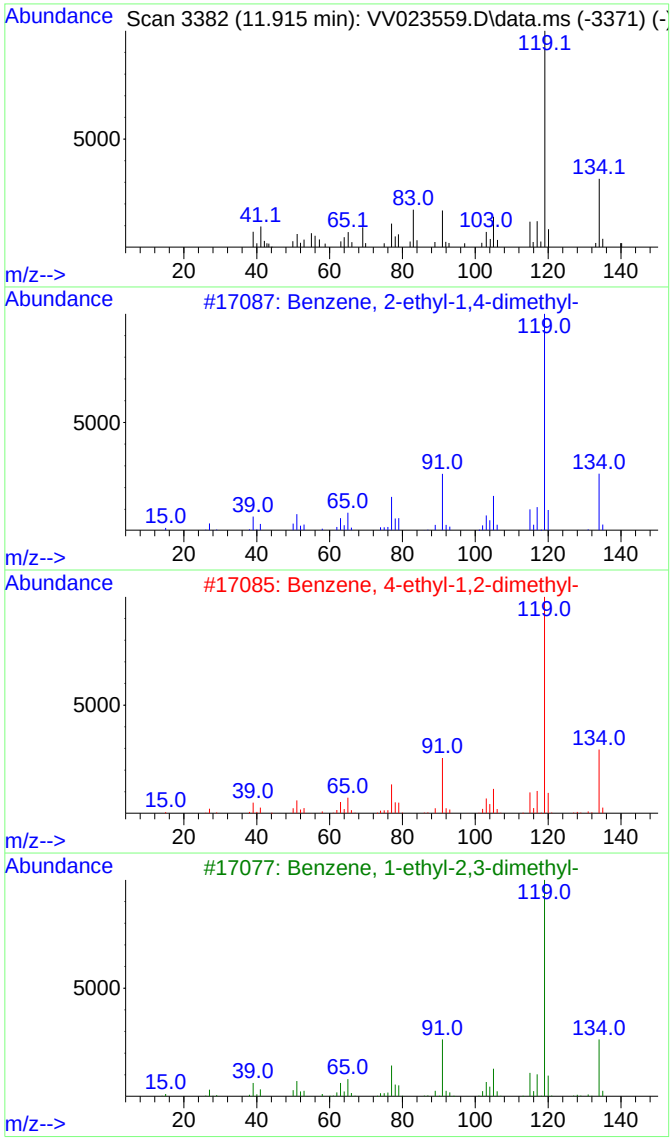
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

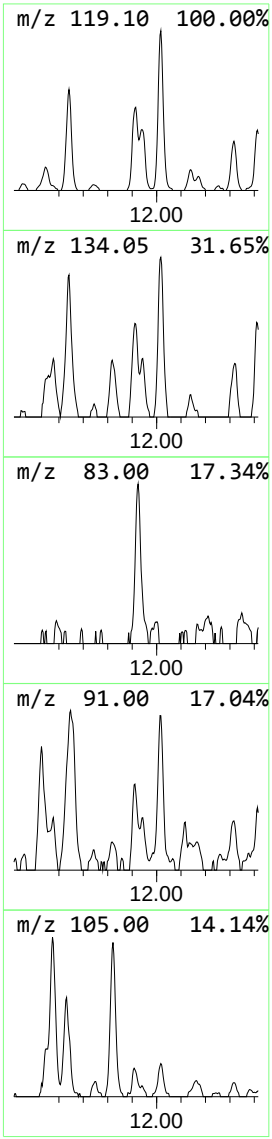
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.915	0.82 ug/L	58071	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90





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Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

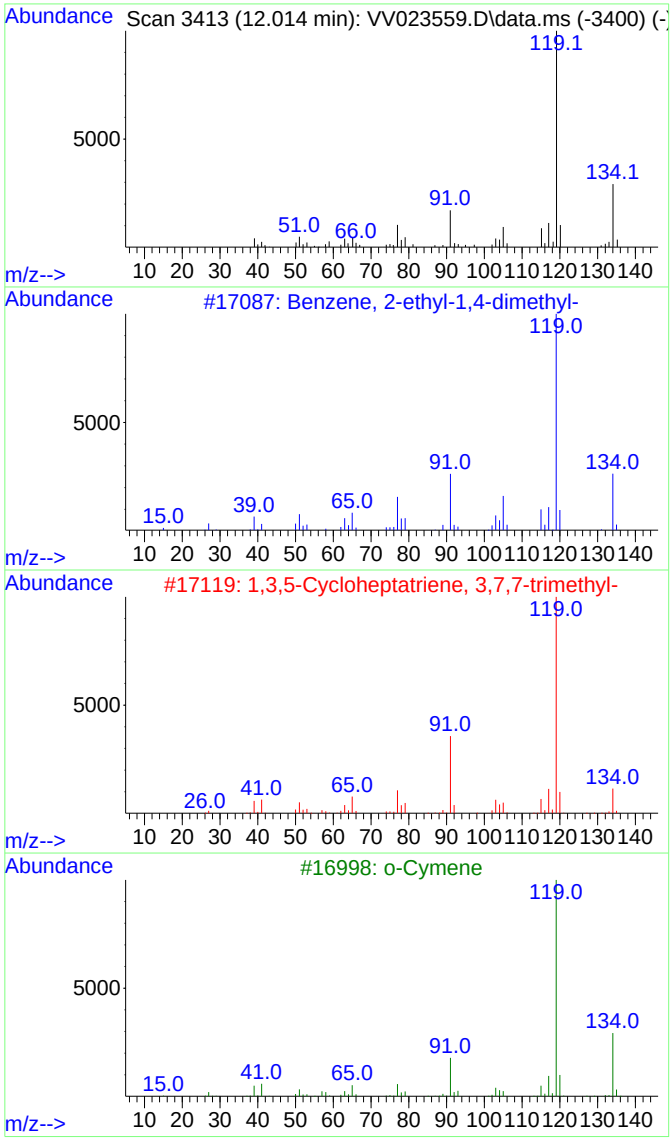
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

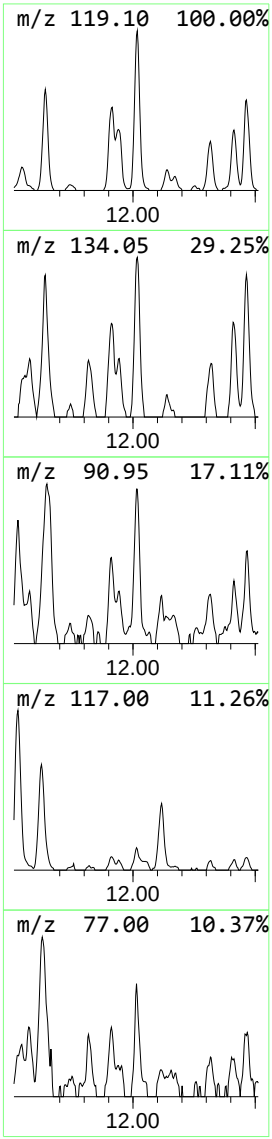
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1,3,5-Cycloheptatriene, 3,7... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.014	0.69 ug/L	49157	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	p-Cymene	134	C10H14	000099-87-6	94





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Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

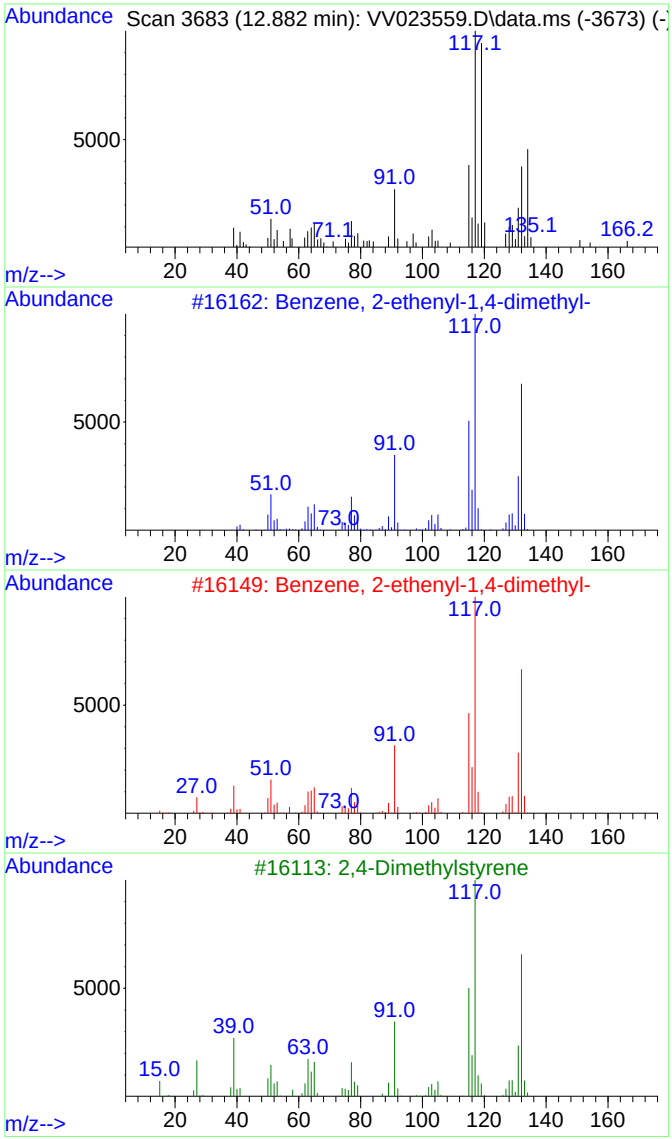
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

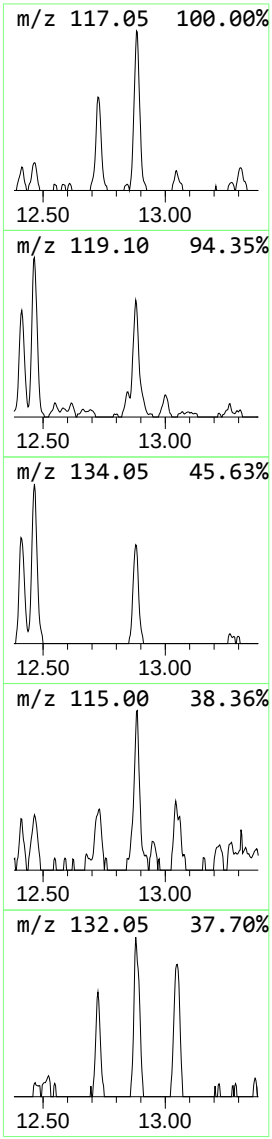
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.882	0.72 ug/L	50843	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	80
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	80
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

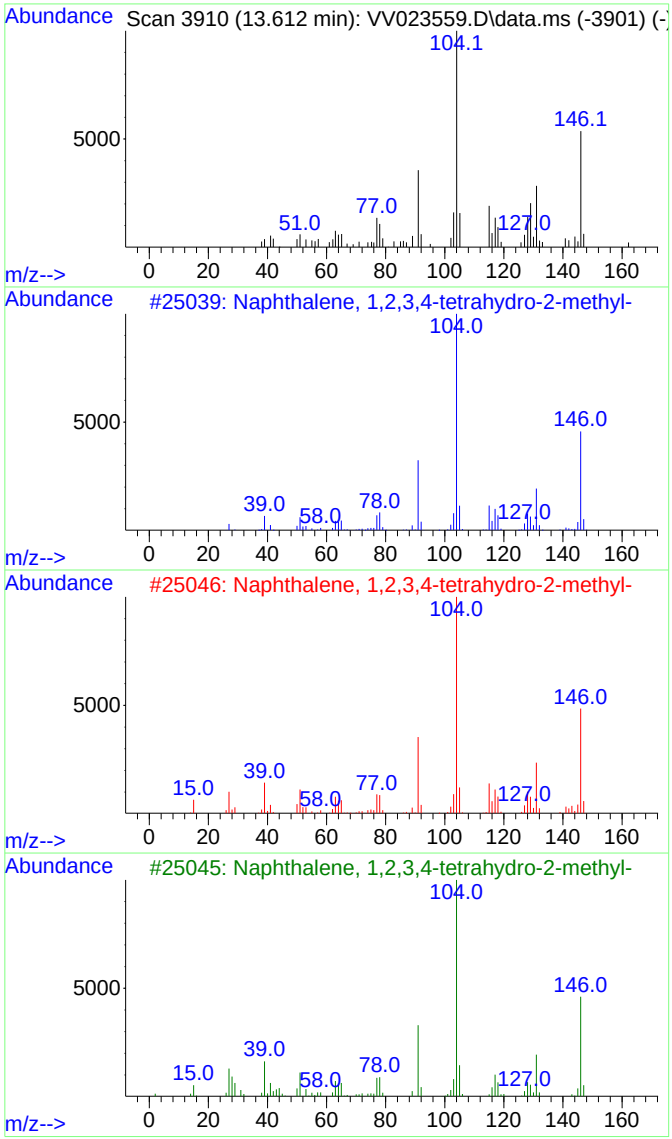
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

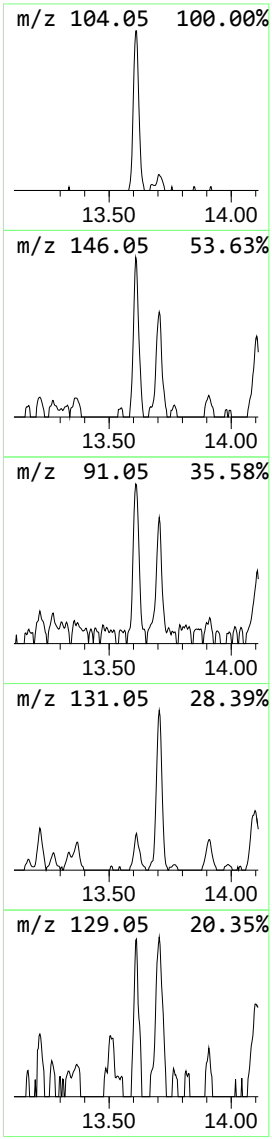
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.612	0.53 ug/L	37621	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
5	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

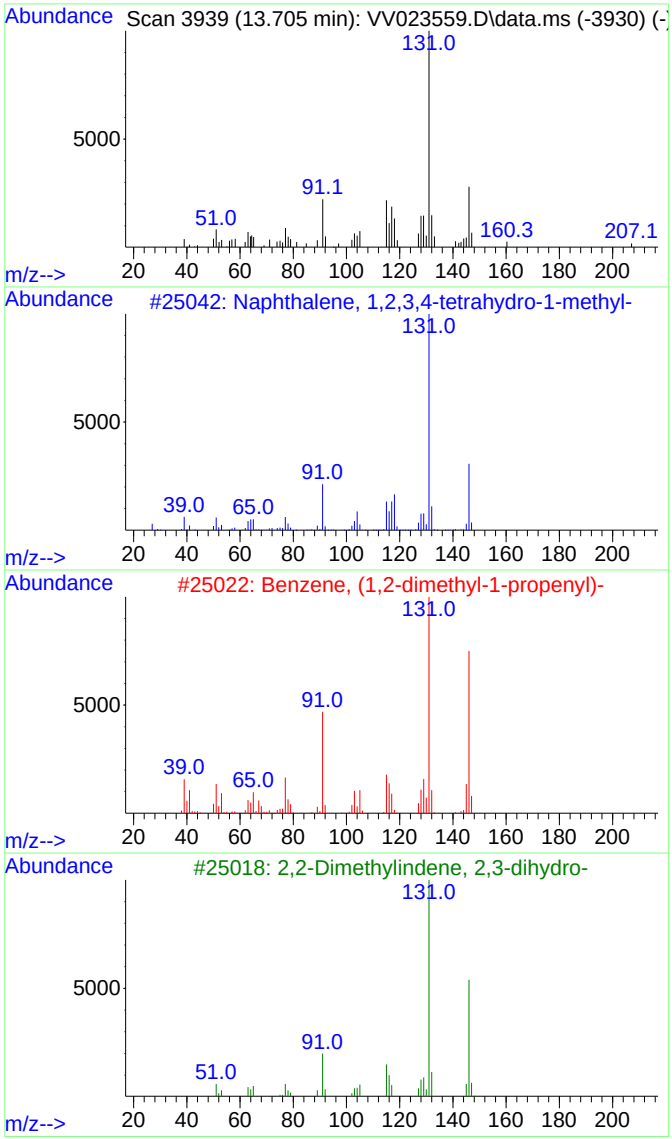
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

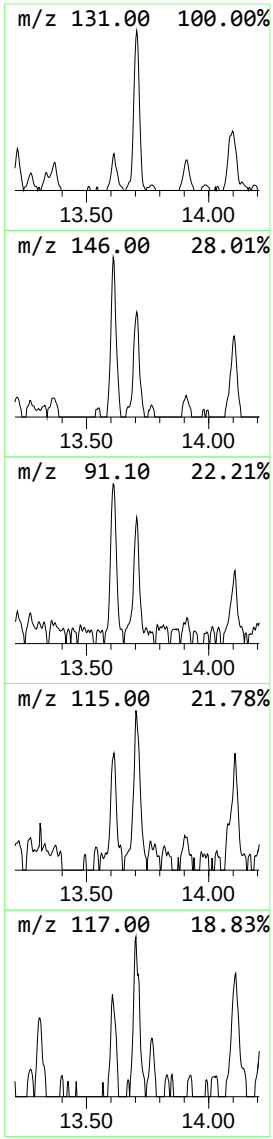
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.706	0.56 ug/L	39382	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

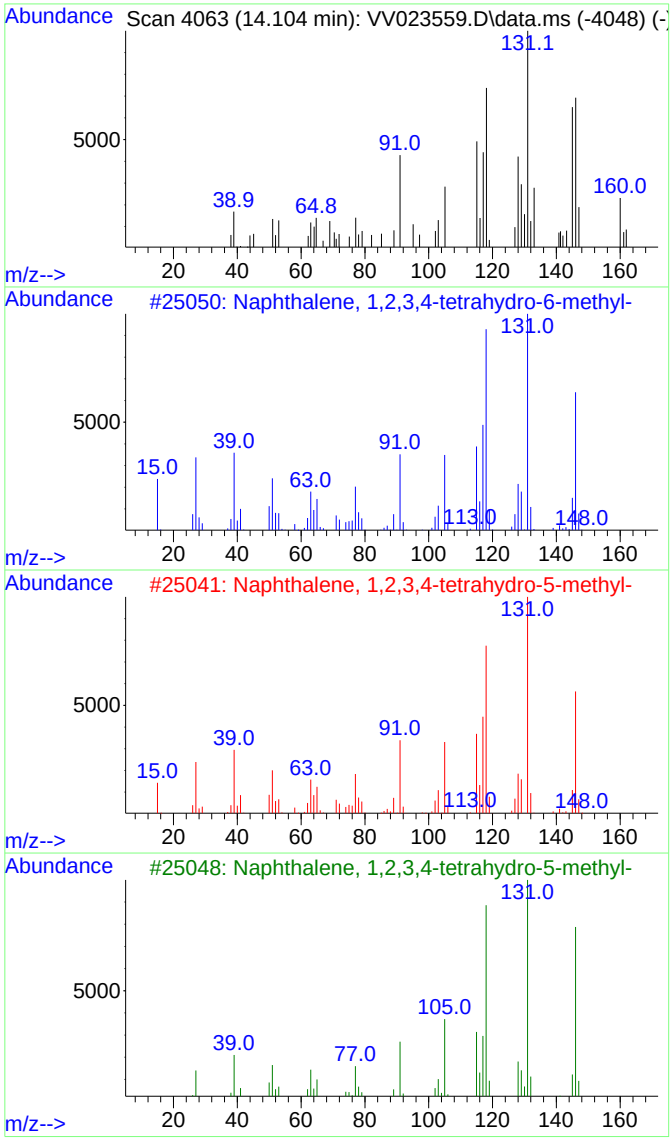
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

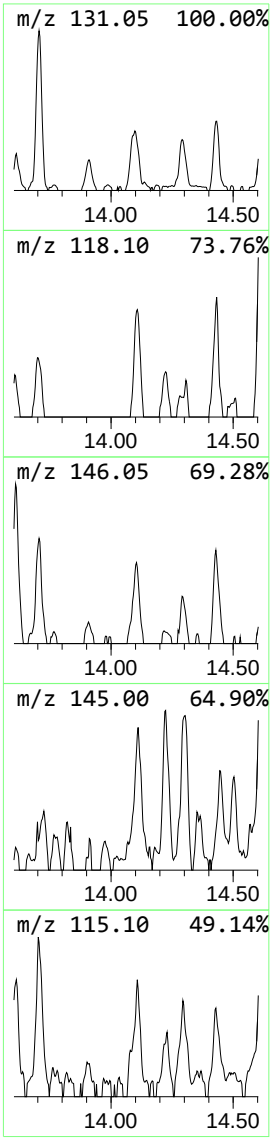
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.104	0.61 ug/L	43348	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	83
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	70
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	58
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	52
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

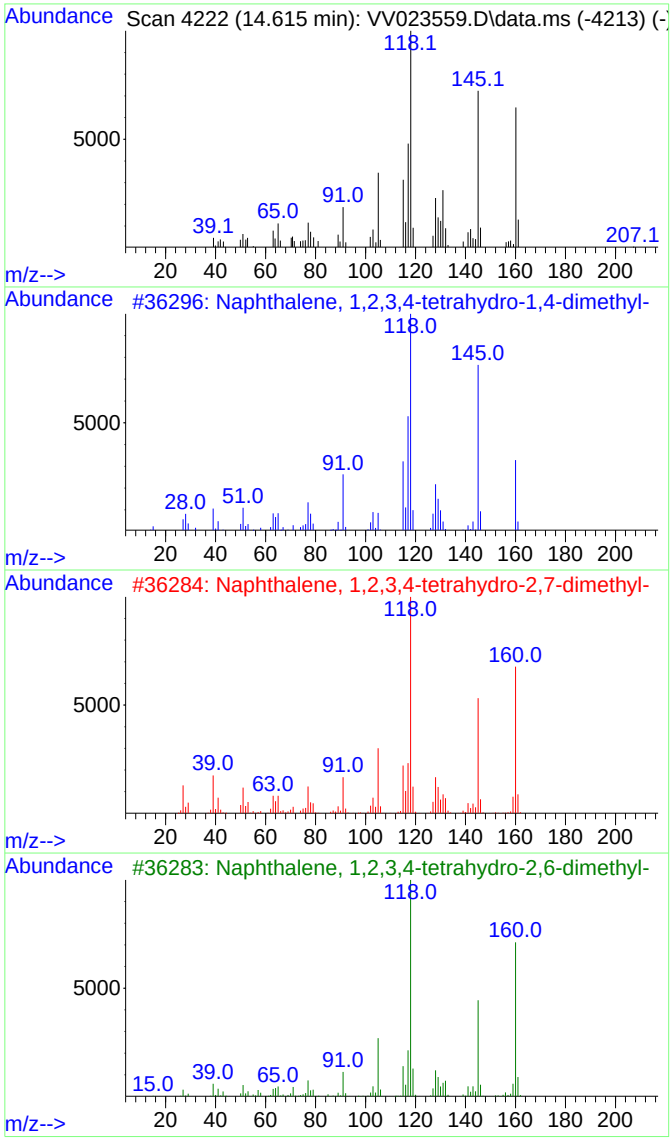
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

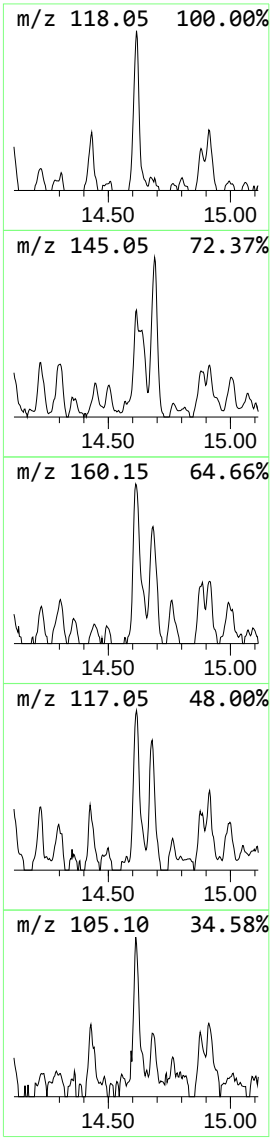
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.615	0.75 ug/L	53066	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	68
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	60
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

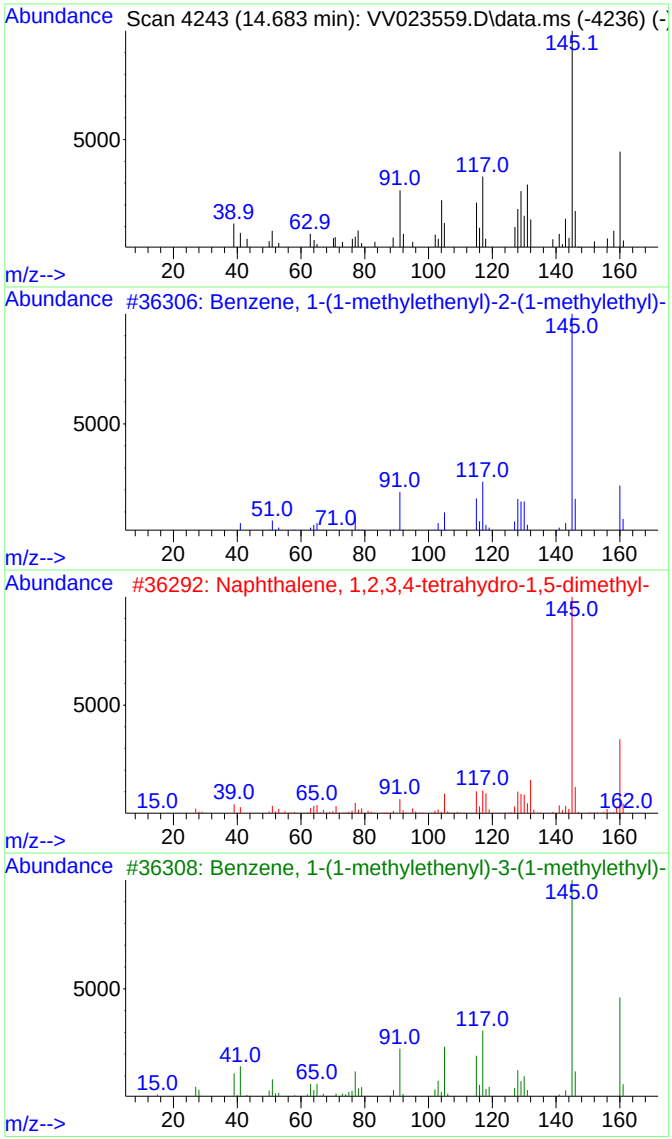
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

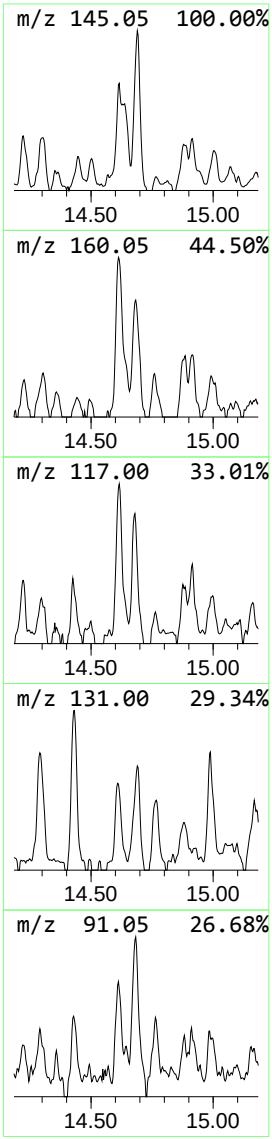
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 1-(1-methylethenyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.683	0.73 ug/L	51445	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	62
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	59
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	58
4	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	58
5	Indene, 1,1-dimethyl-1-sila-	160	C10H12Si	058310-24-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

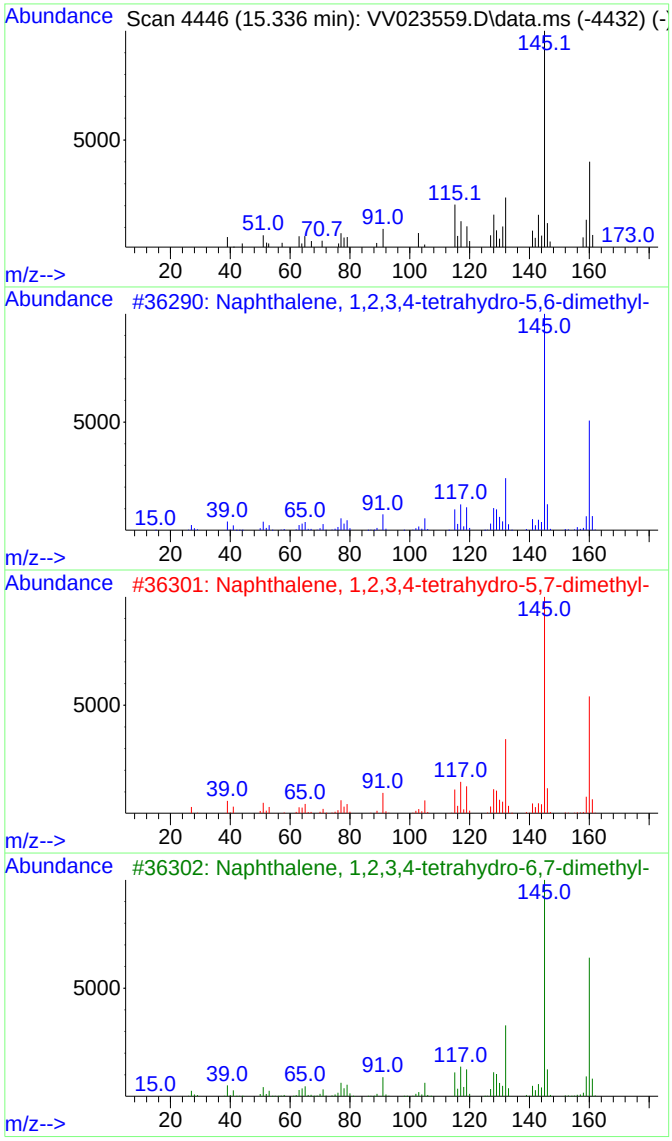
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

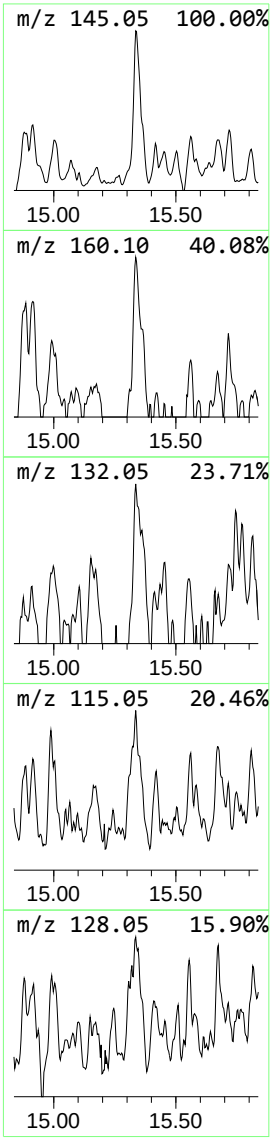
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.336	0.74 ug/L	52140	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	87
5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111621\
Data File : VV023559.D
Acq On : 17 Nov 2021 01:33
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.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...	1.105	10.0	ug/L	601123	1	5.622	300782	5.0
(DEL) Alkane: S...	1.413	2.0	ug/L	119409	1	5.622	300782	5.0
(DEL) Alkane: S...	1.764	0.9	ug/L	54151	1	5.622	300782	5.0
(DEL) Alkane: S...	1.815	0.9	ug/L	57143	1	5.622	300782	5.0
(DEL) Alkane: S...	1.899	1.0	ug/L	59956	1	5.622	300782	5.0
(DEL) Alkane: C...	1.979	0.9	ug/L	55760	1	5.622	300782	5.0
Ethanethiol	2.031	15.0	ug/L	904362	1	5.622	300782	5.0
(DEL) Alkane: C...	2.468	1.4	ug/L	85463	1	5.622	300782	5.0
Thiophene	5.362	0.9	ug/L	55055	1	5.622	300782	5.0
Sulfide, ethyl ...	7.863	0.6	ug/L	45105	2	8.857	367170	5.0
Diethyl disulfide	10.014	0.9	ug/L	67891	2	8.857	367170	5.0
Benzene, 1-ethy...	10.448	0.8	ug/L	56710	3	11.249	353769	5.0
Benzene, 1,2,3-...	11.336	1.0	ug/L	72765	3	11.249	353769	5.0
Indane	11.529	0.8	ug/L	60116	3	11.249	353769	5.0
Benzene, 2-ethy...	11.915	0.8	ug/L	58071	3	11.249	353769	5.0
1,3,5-Cyclohept...	12.014	0.7	ug/L	49157	3	11.249	353769	5.0
Benzene, 2-ethe...	12.882	0.7	ug/L	50843	3	11.249	353769	5.0
Naphthalene, 1,...	13.612	0.5	ug/L	37621	3	11.249	353769	5.0
Naphthalene, 1,...	13.706	0.6	ug/L	39382	3	11.249	353769	5.0
Naphthalene, 1,...	14.104	0.6	ug/L	43348	3	11.249	353769	5.0
Naphthalene, 1,...	14.615	0.8	ug/L	53066	3	11.249	353769	5.0
Benzene, 1-(1-m...	14.683	0.7	ug/L	51445	3	11.249	353769	5.0
Naphthalene, 1,...	15.336	0.7	ug/L	52140	3	11.249	353769	5.0