LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 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: VV023583.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.108	15	21	35	rVB	451854	422067	71.32%	5.159%
2	1.172	36	41	49	rVV	15526	15350	2.59%	0.188%
3	1.214	49	54	60	rVB	15180	12896	2.18%	0.158%
4	1.294	72	79	90	rBV2	294005	386772	65.36%	4.728%
5	1.355	90	98	103	rVV2	42166	48654	8.22%	0.595%
6	1.384	103	107	110	rVV	15787	18099	3.06%	0.221%
7	1.417	110	117	149	rVV3	102182	241367	40.79%	2.950%
8	1.545	150	157	159	rVV	46949	57684	9.75%	0.705%
9	1.564	159	163	176	rVV2	63230	84738	14.32%	1.036%
10	1.629	179	183	193	rVB2	13095	16568	2.80%	0.203%
11	1.764	218	225	232	rBV	34575	43305	7.32%	0.529%
12	1.815	232	241	254	rVB3	54987	88624	14.98%	1.083%
13	1.899	260	267	276	rBV	37900	49854	8.42%	0.609%
14	1.944	277	281	286	rVV	10950	14284	2.41%	0.175%
15	1.979	286	292	298	rVV2	36771	49943	8.44%	0.610%
16	2.031	298	308	321	rVV	412425	591769	100.00%	7.233%
17	2.105	323	331	346	rVB	97432	151102	25.53%	1.847%
18	2.349	398	407	419	rVB2	8687	14326	2.42%	0.175%
19	2.478	423	447	458	rBV4	26846	66633	11.26%	0.814%
20	2.577	468	478	489	rVB5	7170	14471	2.45%	0.177%
21	2.658	494	503	513	rBV3	6326	11491	1.94%	0.140%
22	2.761	521	535	550	rBV3	25776	48436	8.18%	0.592%
23	2.944	578	592	615	rBV6	11587	30151	5.10%	0.369%
24	3.162	645	660	661	rBV5	4936	8825	1.49%	0.108%
25	3.442	736	747	749	rBV6	4698	7076	1.20%	0.086%
26	3.577	780	789	804	rVB7	3275	8104	1.37%	0.099%
27	3.683	808	822	834	rBV8	4118	10787	1.82%	0.132%
28	3.815	851	863	867	rBV2	6446	9906	1.67%	0.121%
29	3.883	875	884	918	rVB	44234	129324	21.85%	1.581%
30	4.349	1013	1029	1052	rBV	61657	157239	26.57%	1.922%
31	4.458	1054	1063	1082	rVB4	6720	17829	3.01%	0.218%
32	5.047	1231	1246	1257	rBV2	141261	349903	59.13%	4.277%
33	5.330	1322	1334	1337	rBV6	6368	11571	1.96%	0.141%
34	5.365	1337	1345	1365	rVB3	15202	37534	6.34%	0.459%
35	5.619	1412	1424	1454	rBV	113306	246864	41.72%	3.018%
36	5.944	1509	1525	1544	rBV	182769	366466	61.93%	4.479%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 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	6.034	1544	1553	1555	rVV3	20664	27508	4.65%	0.336%
38	6.069	1556	1564	1581	rVB	77796	162462	27.45%	1.986%
39	6.989	1837	1850	1875	rBV	39863	75731	12.80%	0.926%
40	7.317	1941	1952	1964	rBV	164490	290291	49.05%	3.548%
41	7.387	1964	1974	1996	rVB	316512	546147	92.29%	6.676%
42	7.532	2010	2019	2028	rVB2	7656	13197	2.23%	0.161%
43	7.625	2038	2048	2065	rBV	24160	44264	7.48%	0.541%
44	7.860	2105	2121	2136	rBV5	16363	33698	5.69%	0.412%
45	8.088	2177	2192	2216	rBV	193489	361231	61.04%	4.415%
46	8.246	2234	2241	2252	rVB3	11502	18549	3.13%	0.227%
47	8.780	2398	2407	2412	rBV7	4644	8422	1.42%	0.103%
48	8.854	2419	2430	2454	rBV	175792	302997	51.20%	3.704%
49	9.014	2470	2480	2497	rBV	102523	164772	27.84%	2.014%
50	9.140	2504	2519	2535	rBV	176062	297795	50.32%	3.640%
51	9.471	2612	2622	2635	rBV10	8576	16306	2.76%	0.199%
52	9.545	2635	2645	2660	rVB	90430	142789	24.13%	1.745%
53	9.677	2673	2686	2697	rBV9	4097	8058	1.36%	0.098%
54	9.931	2753	2765	2775	rBV4	10116	17532	2.96%	0.214%
55	10.014	2779	2791	2804	rBV	137374	217032	36.68%	2.653%
56	10.217	2839	2854	2872	rBV	69796	116687	19.72%	1.426%
57	10.358	2890	2898	2911	rBV2	7421	15808	2.67%	0.193%
58	10.448	2911	2926	2943	rVB2	17568	36796	6.22%	0.450%
59	10.538	2948	2954	2964	rVB2	6464	8581	1.45%	0.105%
60	10.693	2994	3002	3007	rBV4	8465	13633	2.30%	0.167%
61	10.738	3012	3016	3024	rVB2	11037	15844	2.68%	0.194%
62	10.918	3061	3072	3085	rBV	21747	33715	5.70%	0.412%
63	11.088	3118	3125	3134	rVB7	6880	11255	1.90%	0.138%
64	11.149	3134	3144	3152	rBV6	4505	7546	1.28%	0.092%
65	11.249	3164	3175	3191	rBV	200891	308019	52.05%	3.765%
66	11.336	3193	3202	3212	rVB	34770	51900	8.77%	0.634%
67	11.529	3253	3262	3272	rBV3	23738	42979	7.26%	0.525%
68	11.574	3272	3276	3282	rVV2	9722	14480	2.45%	0.177%
69	11.625	3282	3292	3314	rVB	181462	312492	52.81%	3.820%
70	11.821	3346	3353	3364	rVB2	7980	11007	1.86%	0.135%
71	11.915	3373	3382	3399	rBV5	19073	46442	7.85%	0.568%
72	12.017	3402	3414	3422	rVB4	18556	31700	5.36%	0.387%
73	12.117	3435	3445	3454	rBV3	7968	13928	2.35%	0.170%
74	12.320	3498	3508	3510	rBV5	6682	9058	1.53%	0.111%
75	12.345	3511	3516	3528	rVB7	12007	17792	3.01%	0.217%
76	12.413	3530	3537	3545	rBV	9783	13258	2.24%	0.162%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 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	12.468	3546	3554	3560	rVV	11603	16114	2.72%	0.197%
78	12.725	3627	3634	3644	rVB4	7016	9722	1.64%	0.119%
79	12.831	3654	3667	3675	rBV2	29899	47410	8.01%	0.580%
80	12.882	3675	3683	3700	rVB6	20083	40234	6.80%	0.492%
81	13.046	3725	3734	3744	rBV4	11898	18580	3.14%	0.227%
82	13.271	3796	3804	3809	rBV9	4536	6501	1.10%	0.079%
83	13.612	3901	3910	3926	rVB4	16660	27781	4.69%	0.340%
84	13.705	3926	3939	3951	rBV2	17144	29427	4.97%	0.360%
85	14.104	4052	4063	4080	rVB9	11193	25895	4.38%	0.317%
86	14.223	4091	4100	4110	rBV8	5812	9272	1.57%	0.113%
87	14.300	4110	4124	4136	rBV8	8640	17523	2.96%	0.214%
88	14.429	4157	4164	4176	rBV4	11354	19648	3.32%	0.240%
89	14.615	4214	4222	4236	rBV4	16862	33808	5.71%	0.413%
90	14.686	4236	4244	4257	rVB3	15604	30574	5.17%	0.374%
91	14.763	4261	4268	4276	rBV8	5518	8392	1.42%	0.103%
92	14.879	4295	4304	4311	rBV9	7158	13614	2.30%	0.166%
93	14.914	4312	4315	4322	rVB8	4825	6030	1.02%	0.074%
94	14.998	4329	4341	4352	rBV8	6719	16719	2.83%	0.204%
95	15.159	4381	4391	4394	rBV8	5432	8502	1.44%	0.104%
96	15.339	4434	4447	4462	rVB5	10547	29728	5.02%	0.363%
97	15.419	4464	4472	4481	rBV9	6195	11246	1.90%	0.137%
98	15.561	4506	4516	4525	rBV9	6324	13650	2.31%	0.167%
99	15.676	4544	4552	4559	rBV9	6778	11153	1.88%	0.136%
100	15.818	4588	4596	4602	rBV9	5178	7838	1.32%	0.096%

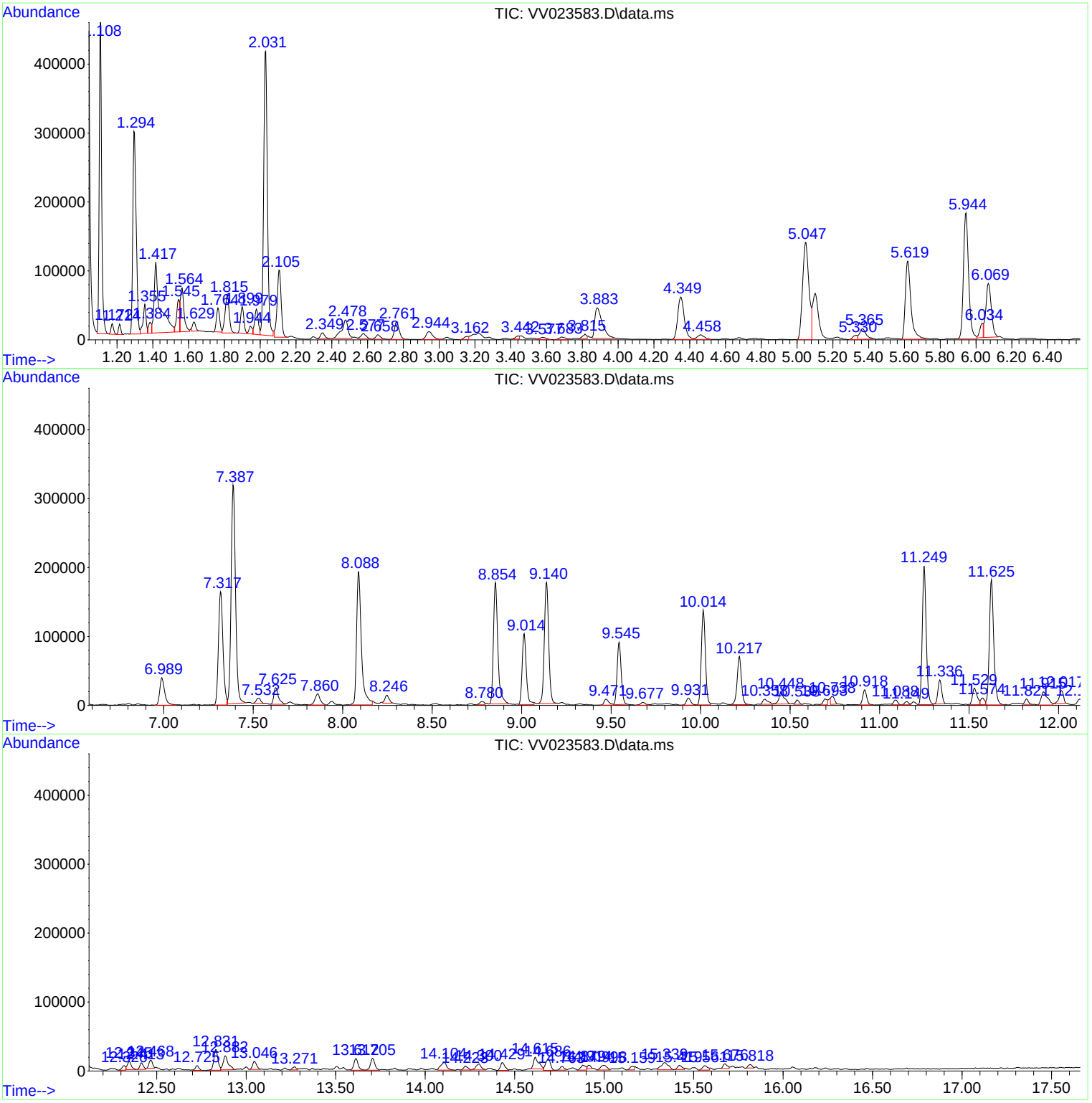
Sum of corrected areas: 8181074

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 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\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

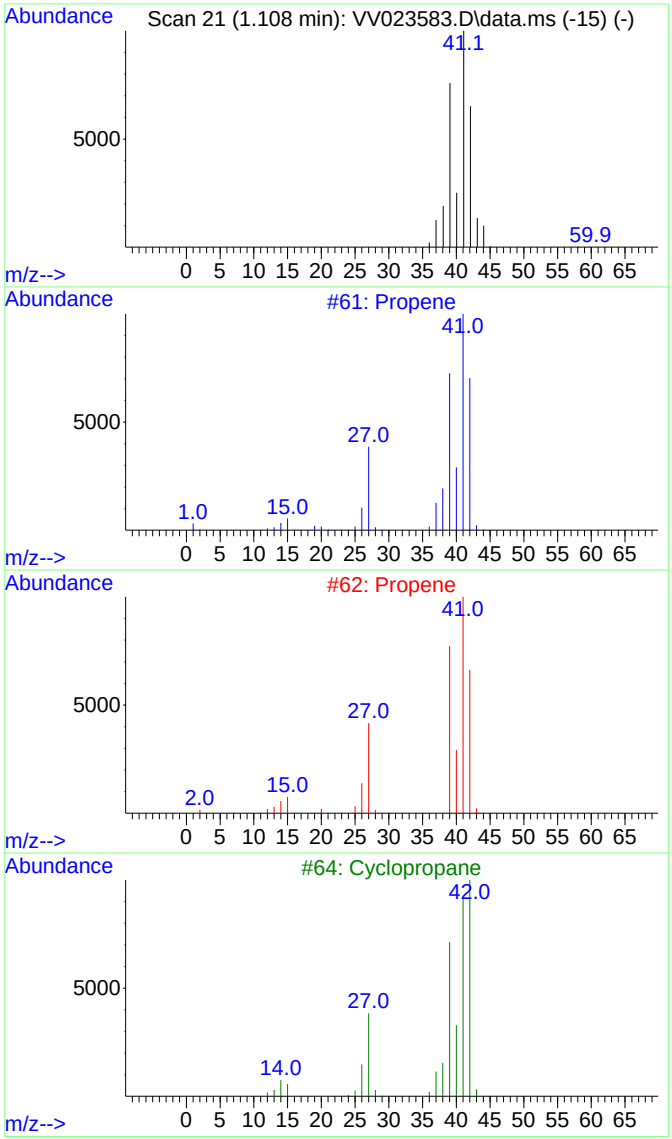
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

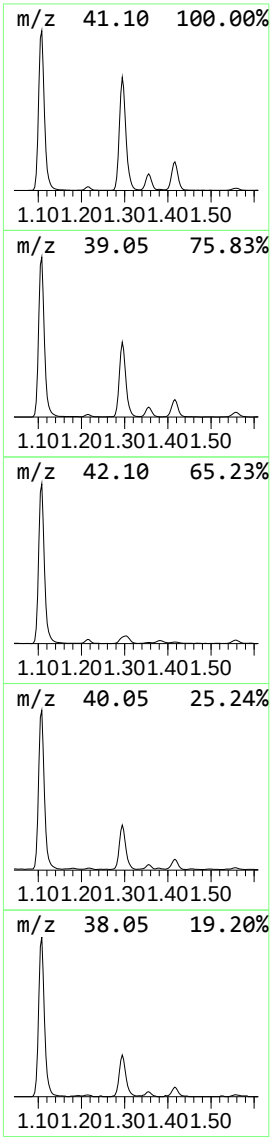
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.108	8.55 ug/L	422067	1,4-Difluorobenzene	5.619

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

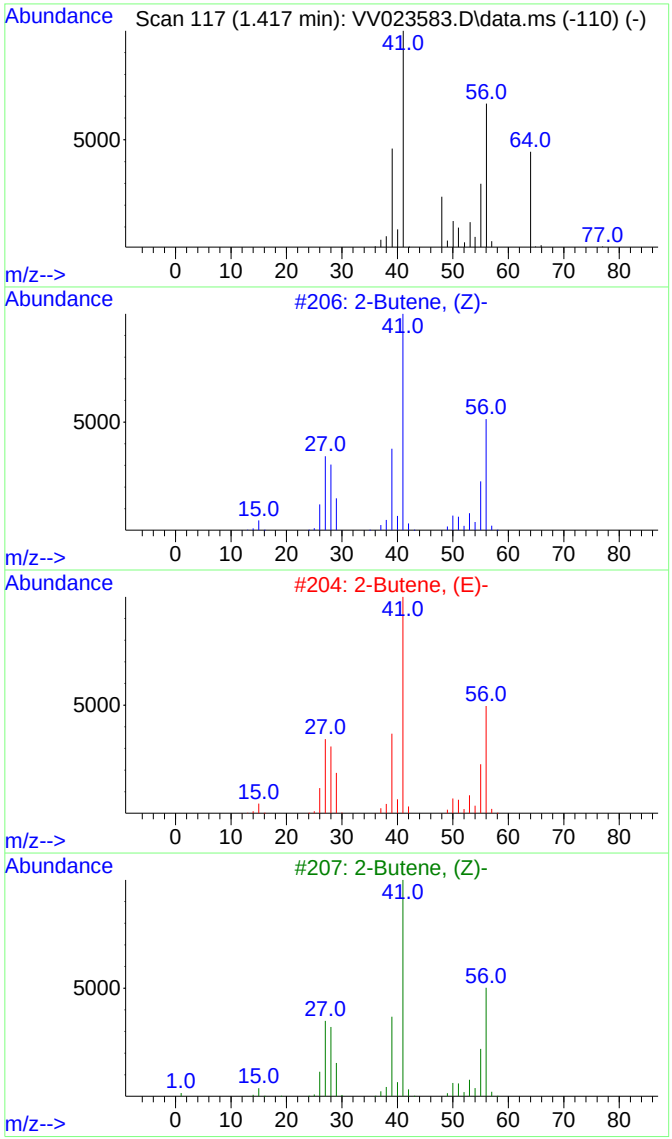
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

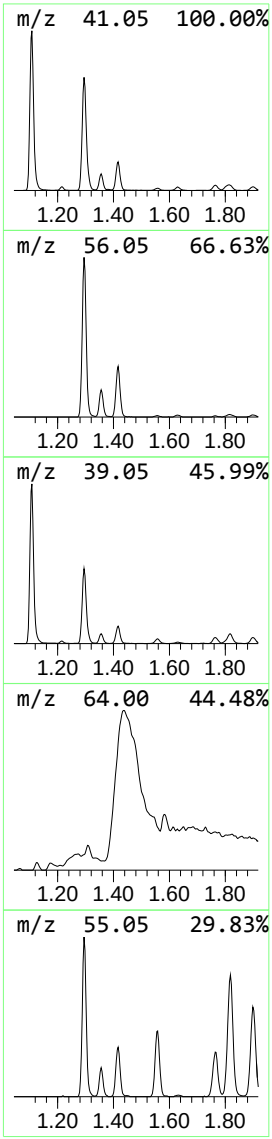
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.417	4.89 ug/L	241367	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, (Z)-	56	C4H8	000590-18-1	30
2	2-Butene, (E)-	56	C4H8	000624-64-6	25
3	2-Butene, (Z)-	56	C4H8	000590-18-1	25
4	1-Butene	56	C4H8	000106-98-9	25
5	1-Butene	56	C4H8	000106-98-9	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

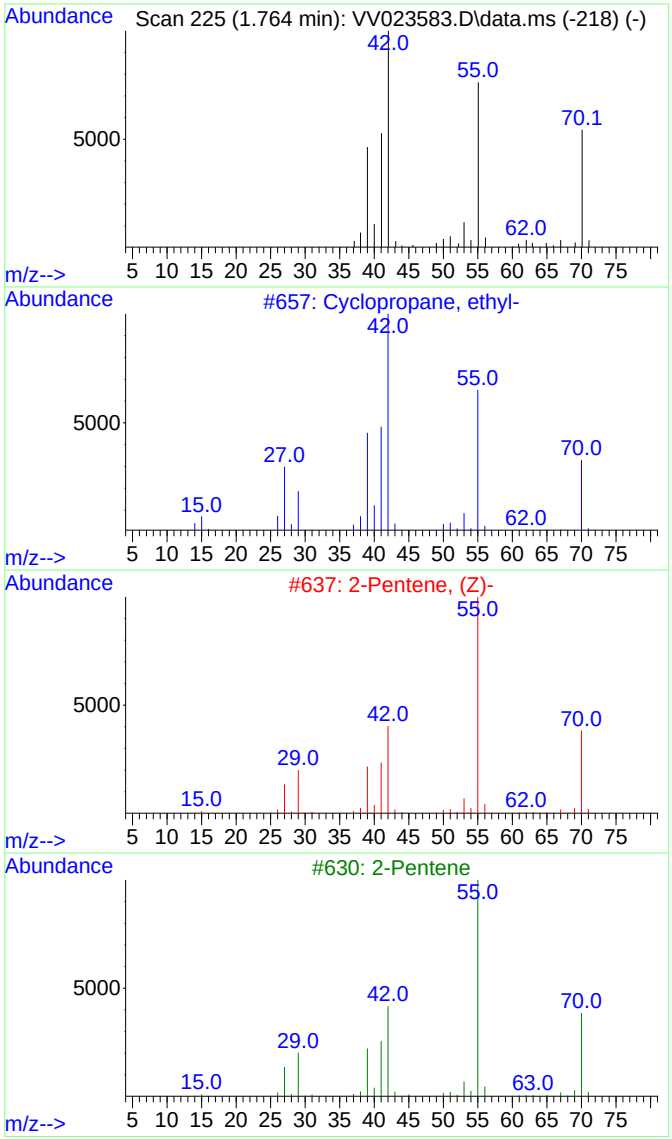
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

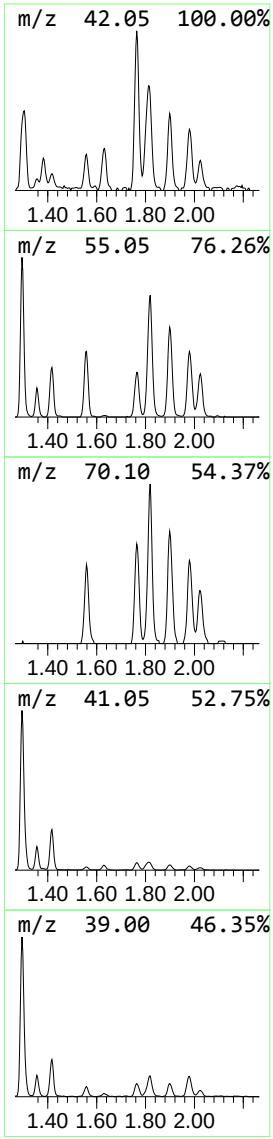
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic1.764 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.764	0.88 ug/L	43305	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	90
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
3	2-Pentene	70	C5H10	000109-68-2	83
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	78
5	1-Pentene	70	C5H10	000109-67-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

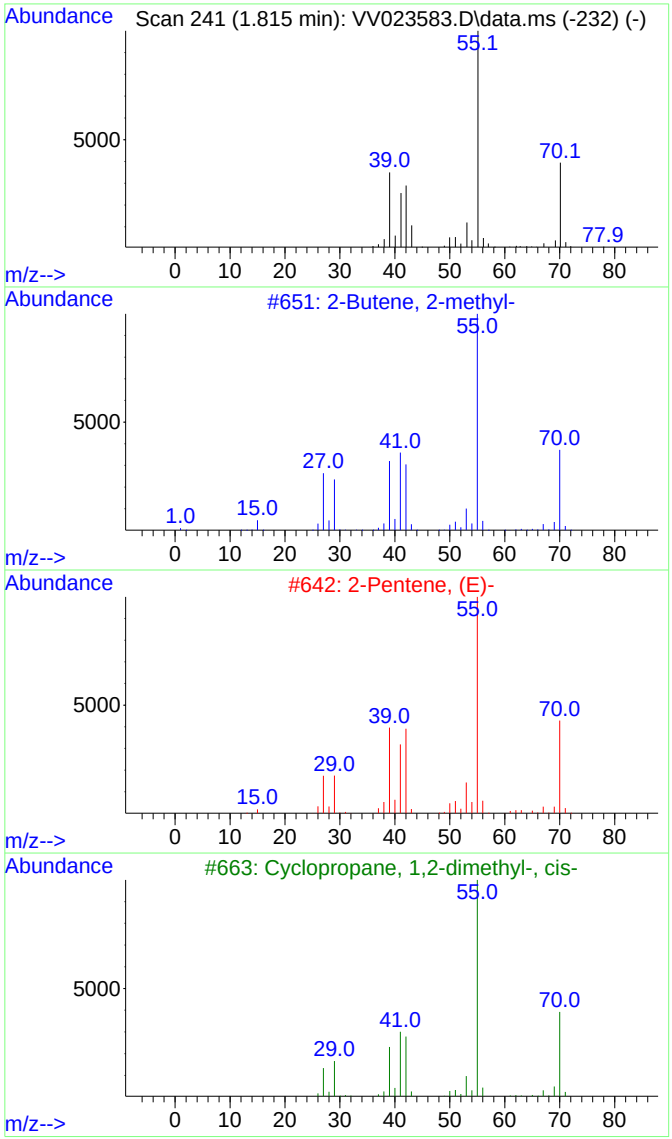
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

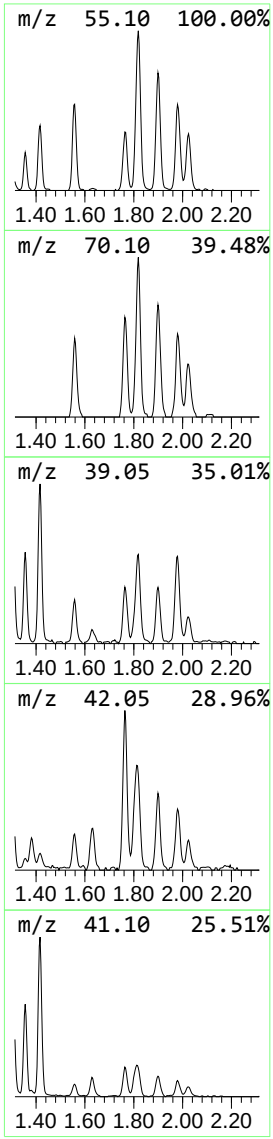
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.815	1.79 ug/L	88624	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
2	2-Pentene, (E)-	70	C5H10	000646-04-8	90
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
4	2-Methyl-1-butene	70	C5H10	000563-46-2	87
5	2-Methyl-1-butene	70	C5H10	000563-46-2	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

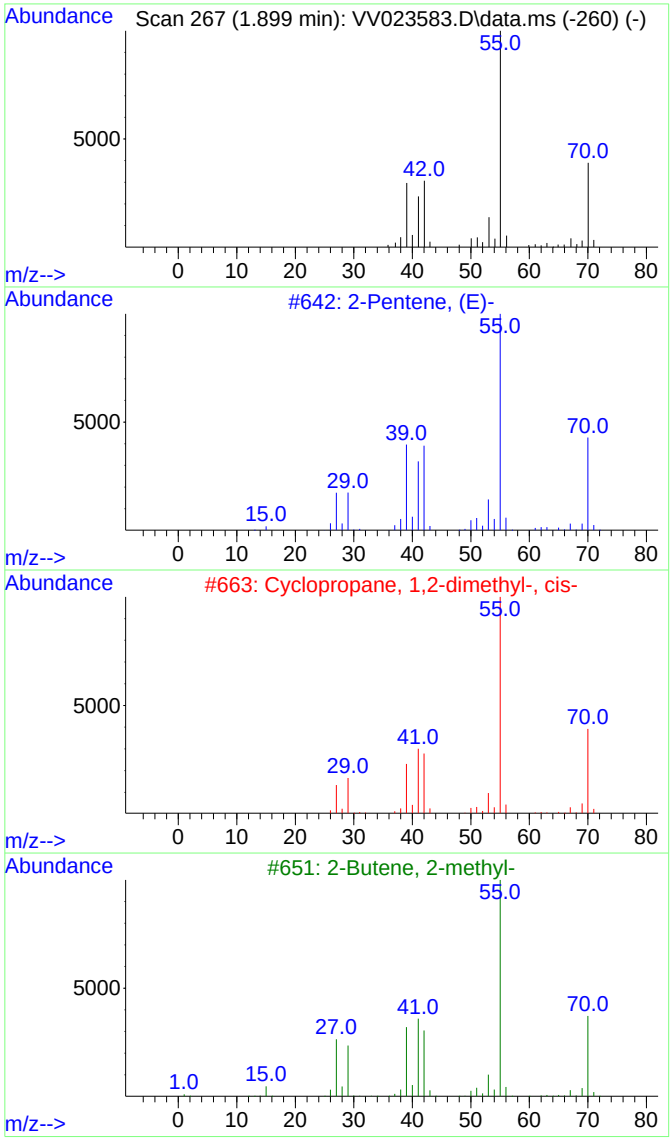
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

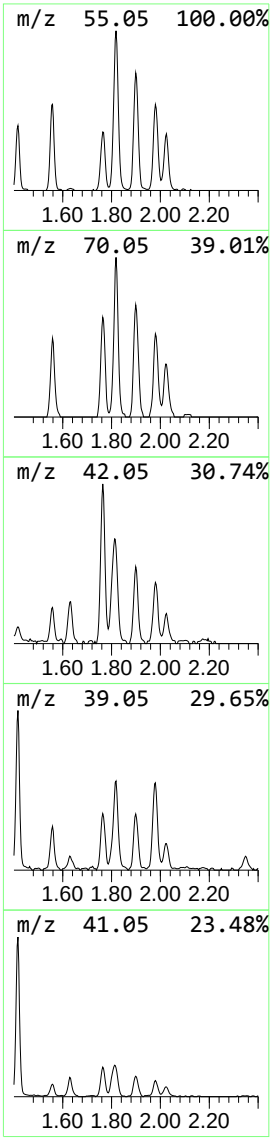
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.899	1.01 ug/L	49854	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	90
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Methyl-1-butene	70	C5H10	000563-46-2	87
5	2-Methyl-1-butene	70	C5H10	000563-46-2	87





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Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

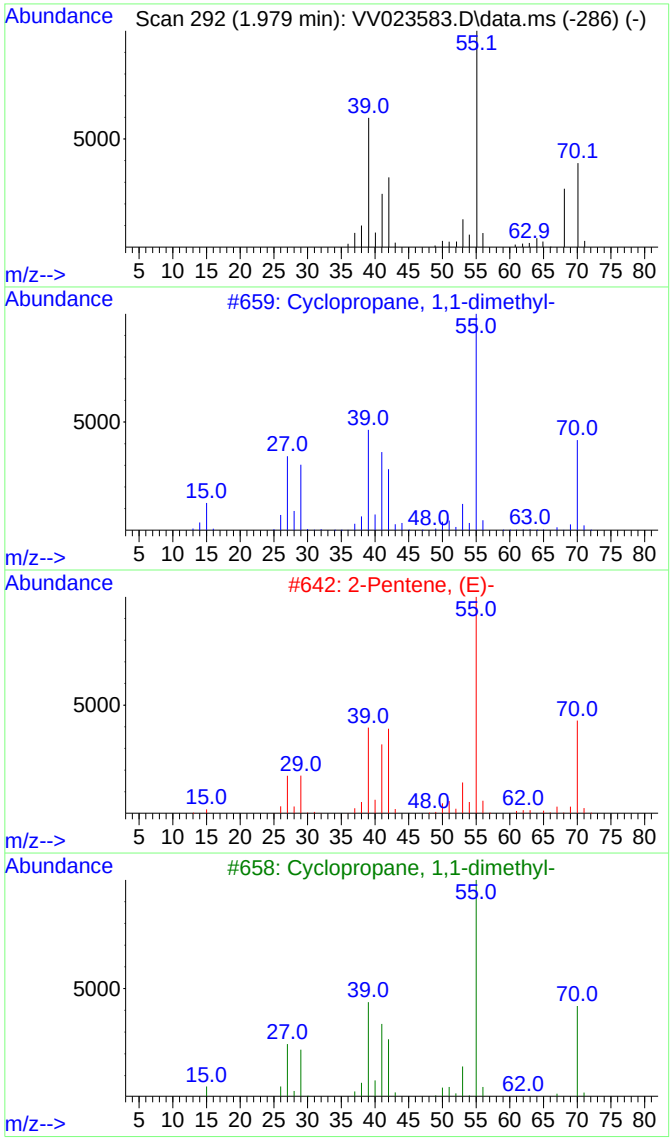
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

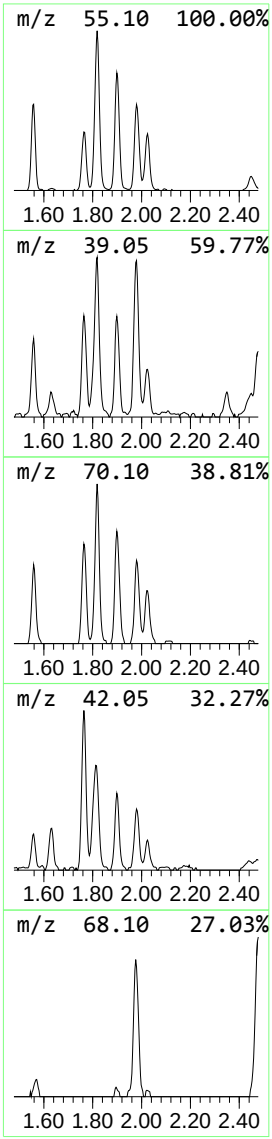
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic1.979 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.979	1.01 ug/L	49943	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	72
2	2-Pentene, (E)-	70	C5H10	000646-04-8	49
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	49
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	47
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	46





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Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

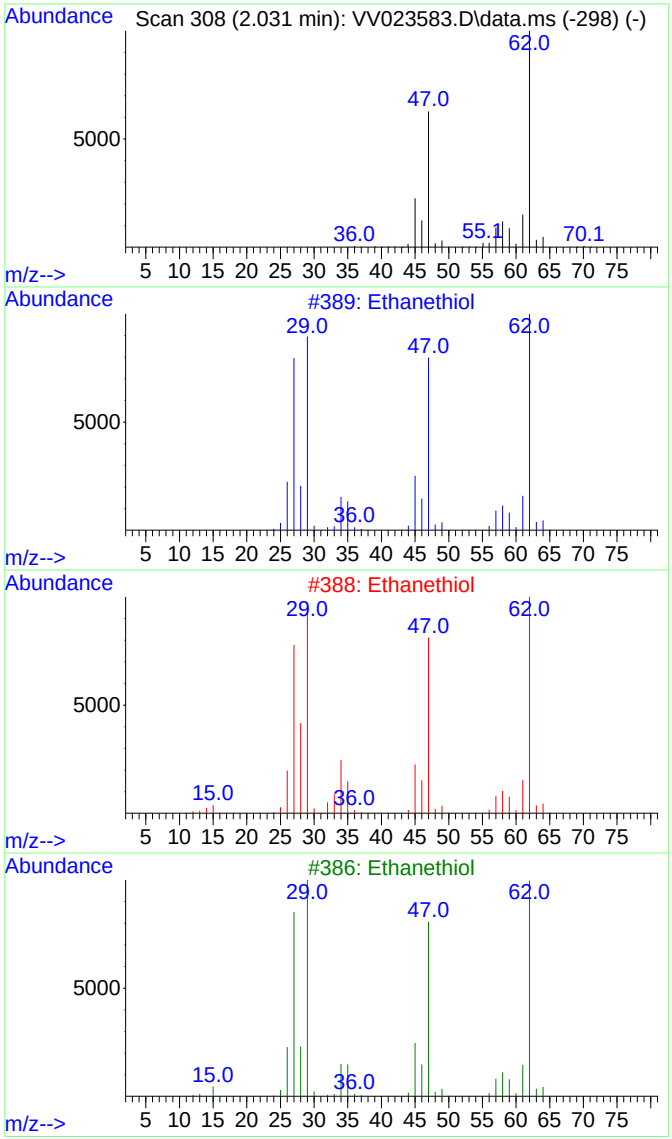
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

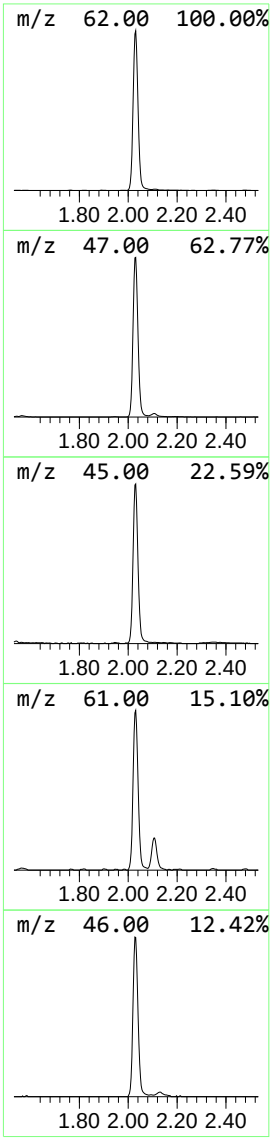
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Ethanethiol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.031	11.99 ug/L	591769	1,4-Difluorobenzene	5.619

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	90
5	Ethanethiol	62	C2H6S	000075-08-1	90





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Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

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

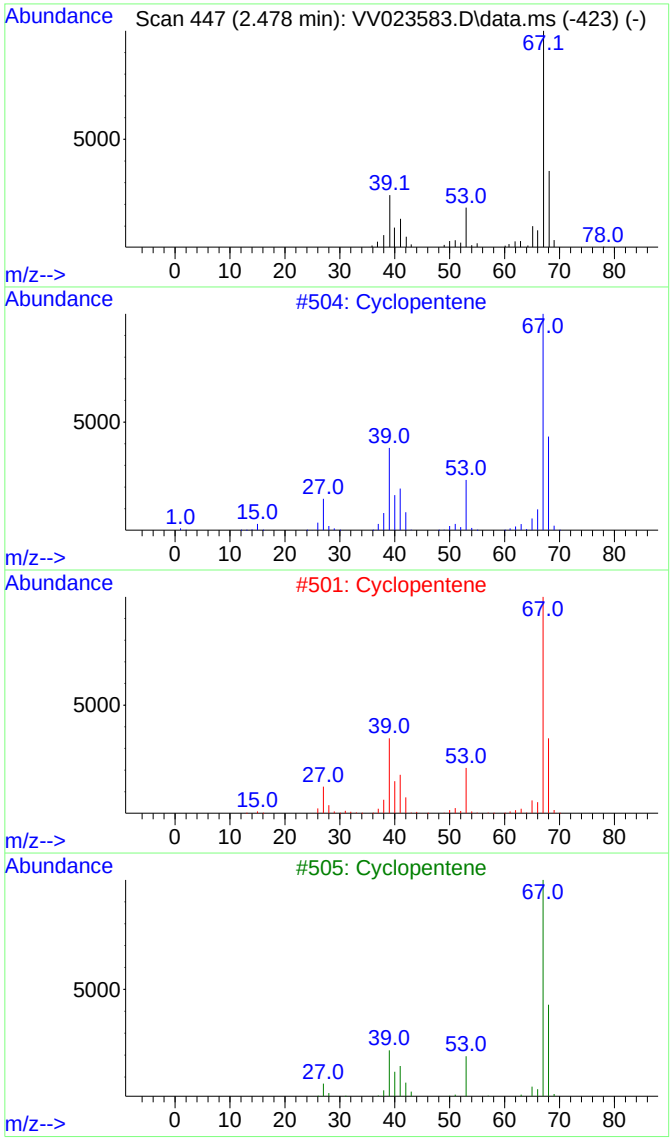
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

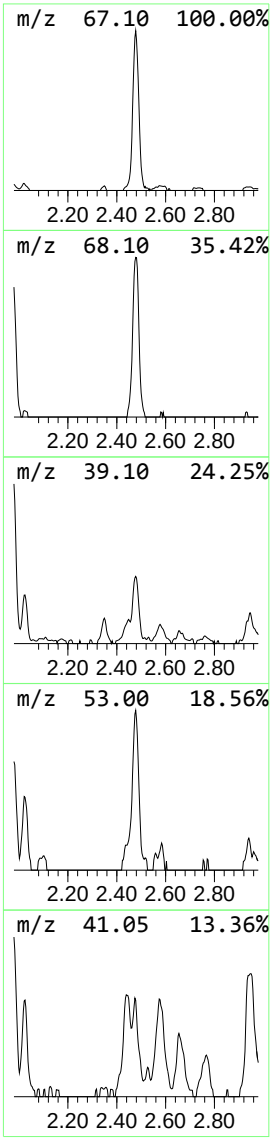
****

Peak Number 8 Cyclopentene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.478	1.35 ug/L	66633	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	Cyclopentene	68	C5H8	000142-29-0	86
3	Cyclopentene	68	C5H8	000142-29-0	83
4	Cyclopropane, methylmethylene-	68	C5H8	018631-84-0	78
5	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	64





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Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

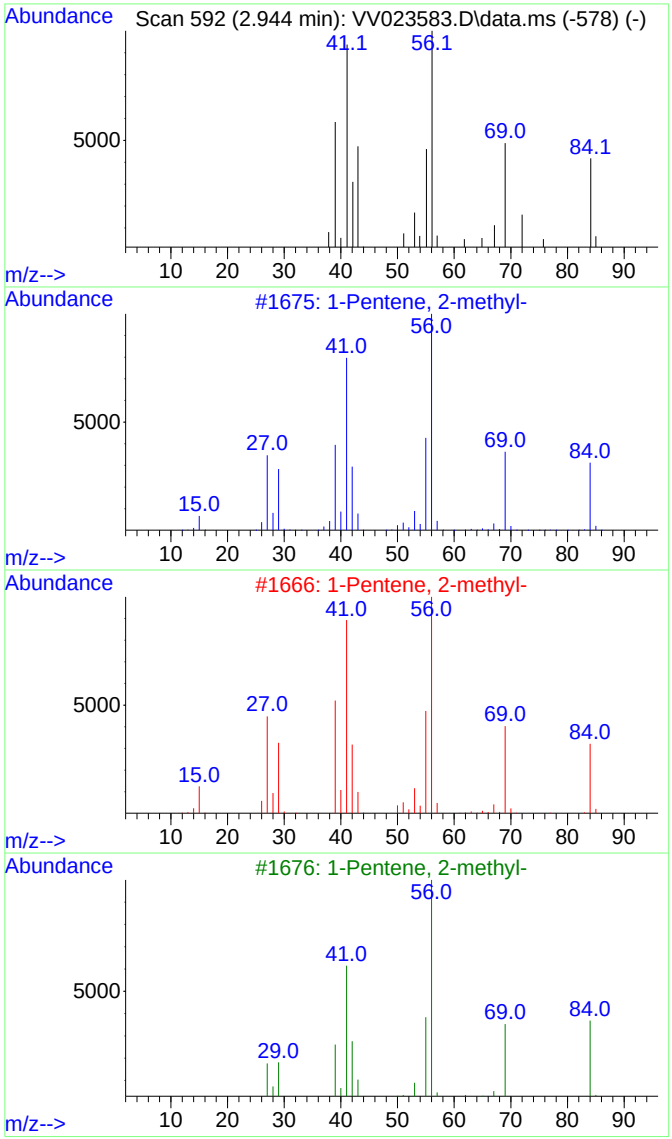
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

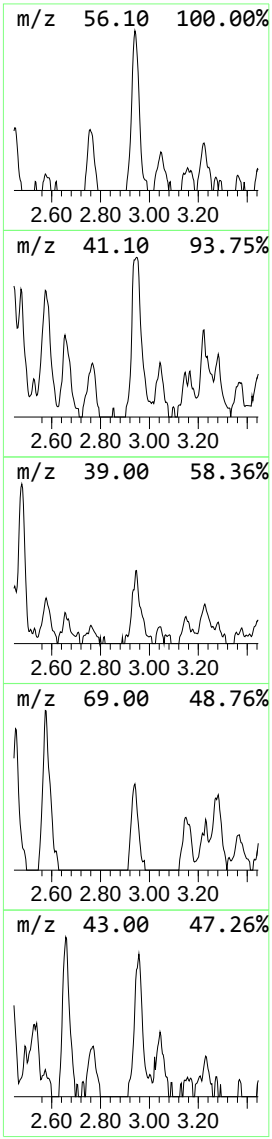
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.944	0.61 ug/L	30151	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	70
4	2-Amino-oxazole	84	C3H4N2O	004570-45-0	50
5	Cyclohexane	84	C6H12	000110-82-7	50





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Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

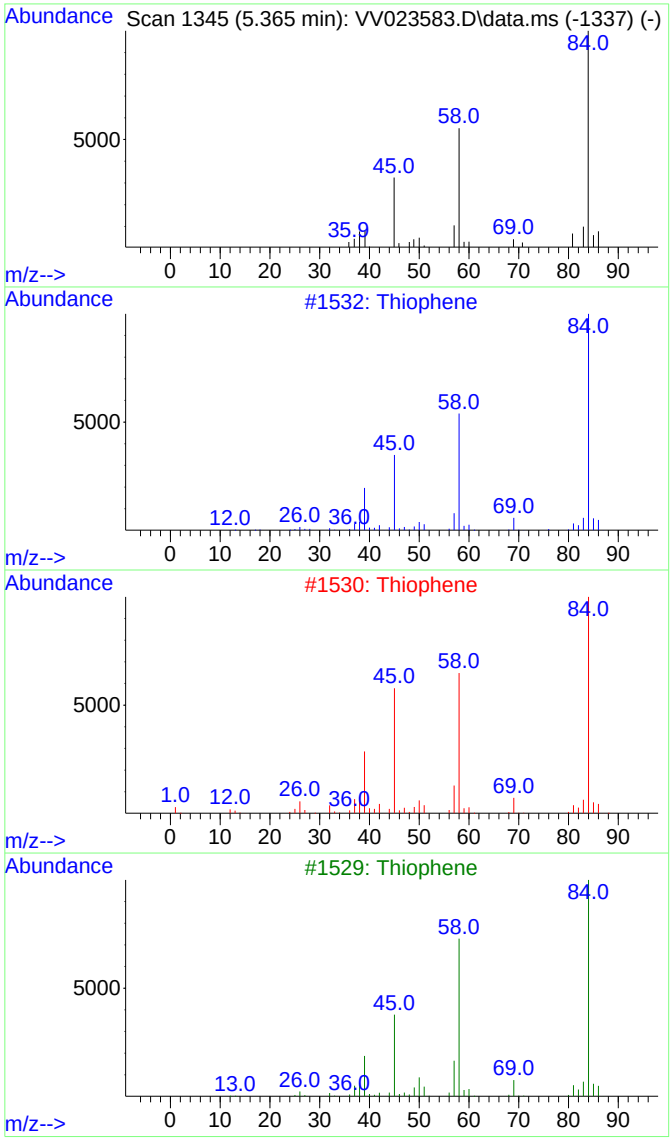
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

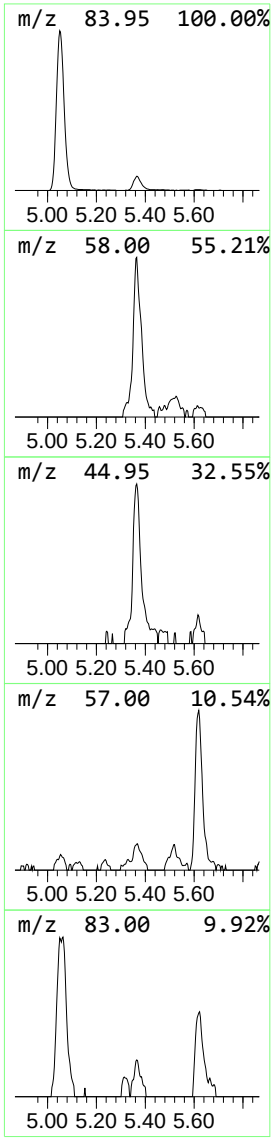
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.365	0.76 ug/L	37534	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	91
2	Thiophene	84	C4H4S	000110-02-1	90
3	Thiophene	84	C4H4S	000110-02-1	83
4	Thiophene	84	C4H4S	000110-02-1	83
5	1,2,3-Thiadiazole	86	C2H2N2S	000288-48-2	14





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Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

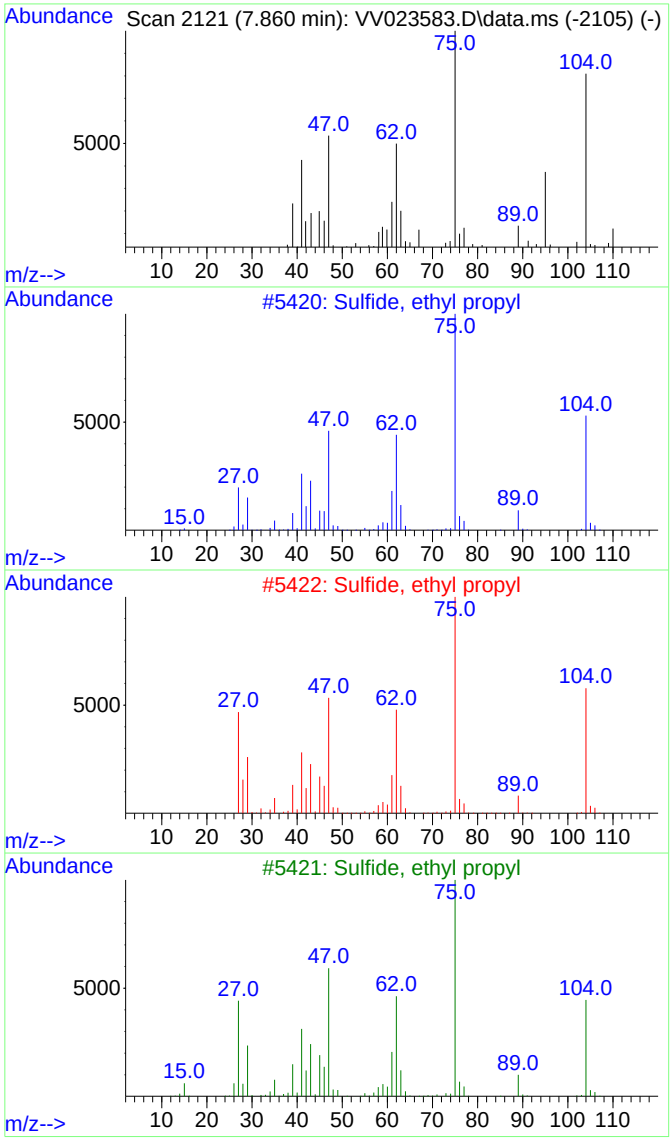
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

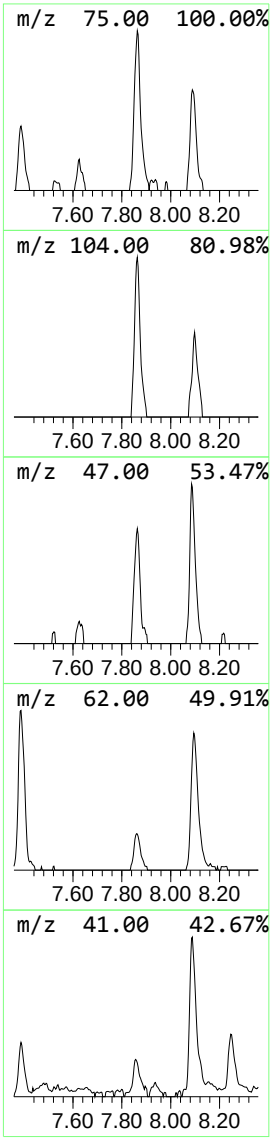
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Sulfide, ethyl propyl Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.860	0.56 ug/L	33698	Chlorobenzene-d5	8.854

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	90
2	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	90
3	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	72
4	Dimethyl sulfide	62	C2H6S	000075-18-3	43
5	Dimethyl sulfide	62	C2H6S	000075-18-3	38





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Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

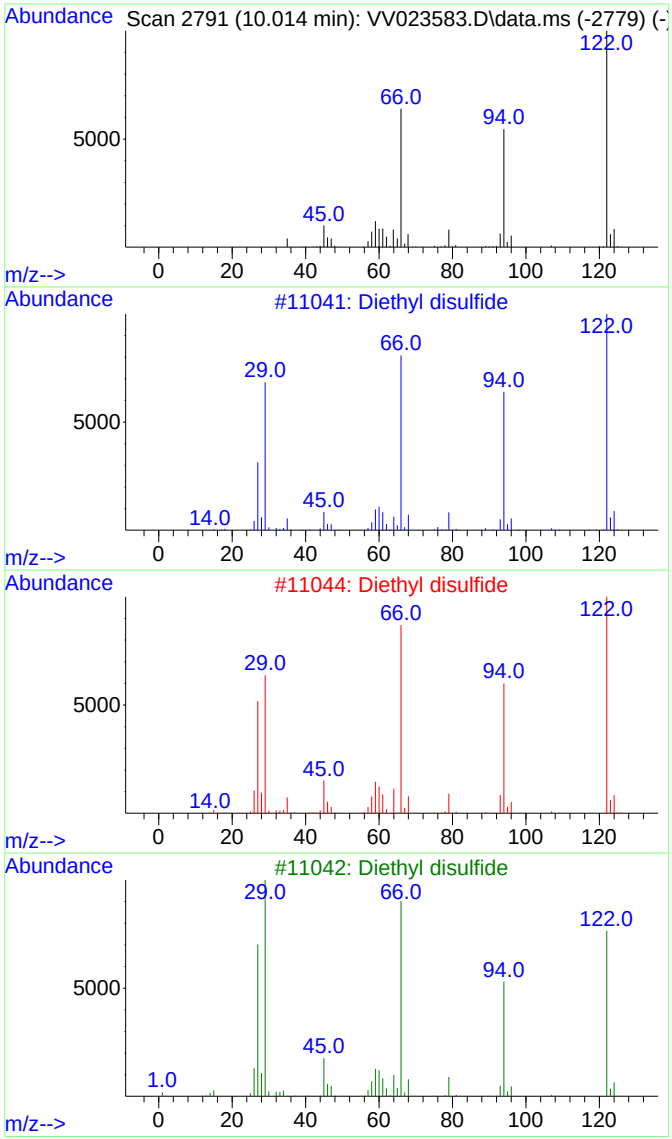
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

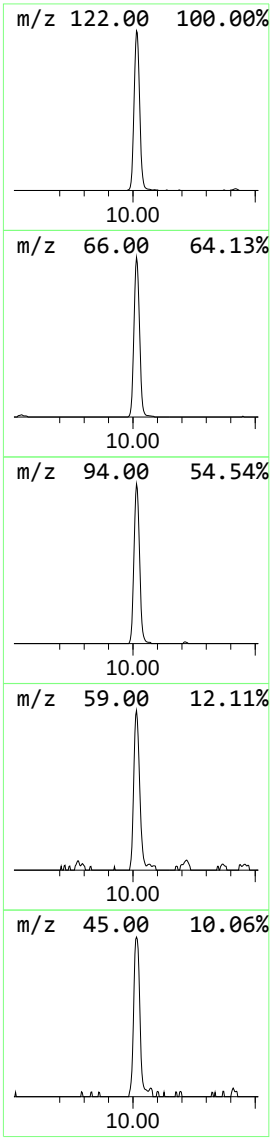
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Diethyl disulfide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.014	3.58 ug/L	217032	Chlorobenzene-d5	8.854

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl disulfide	122	C4H10S2	000110-81-6	96
2	Diethyl disulfide	122	C4H10S2	000110-81-6	91
3	Diethyl disulfide	122	C4H10S2	000110-81-6	83
4	Benzene, ethoxy-	122	C8H10O	000103-73-1	45
5	5-exo-Methyl-5-norbornenol	124	C8H12O	003212-13-3	38





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Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

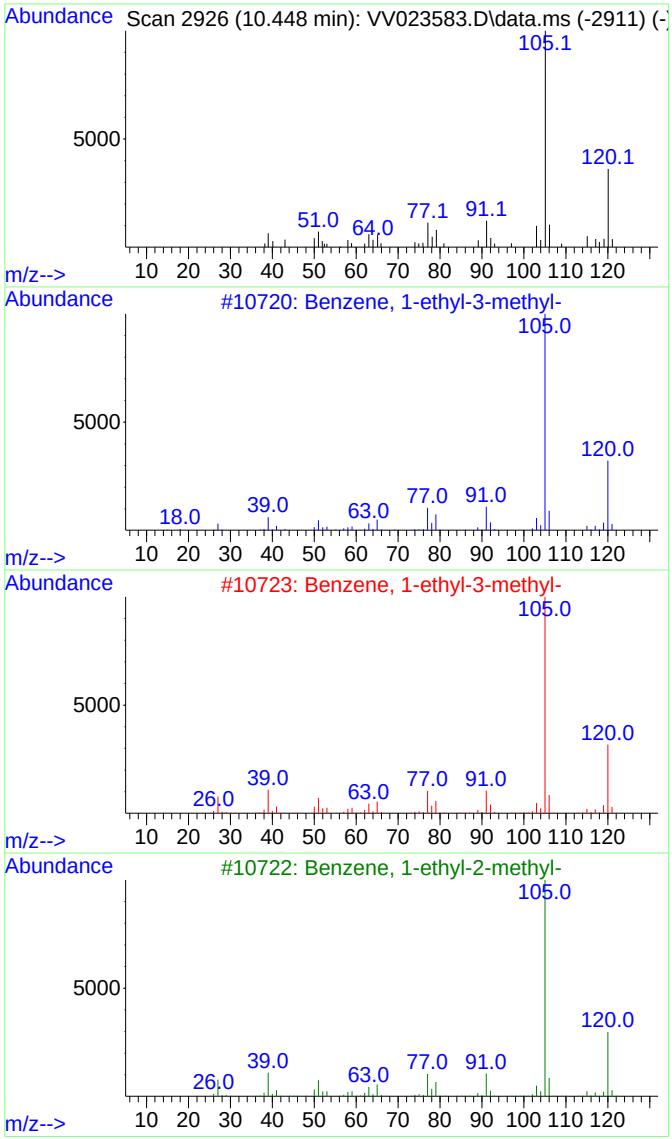
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

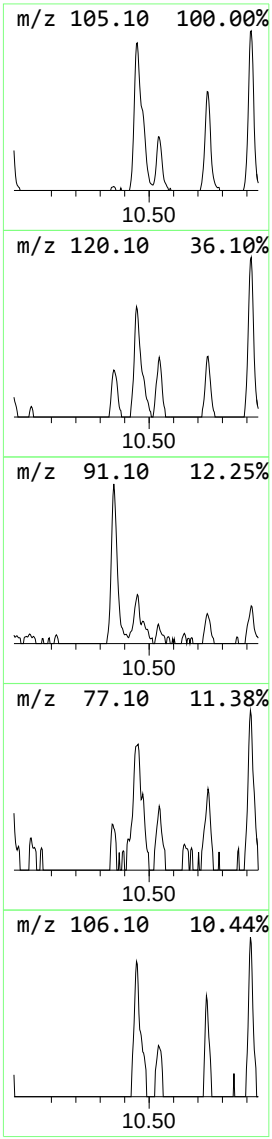
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1-ethyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.448	0.60 ug/L	36796	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	97
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





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Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

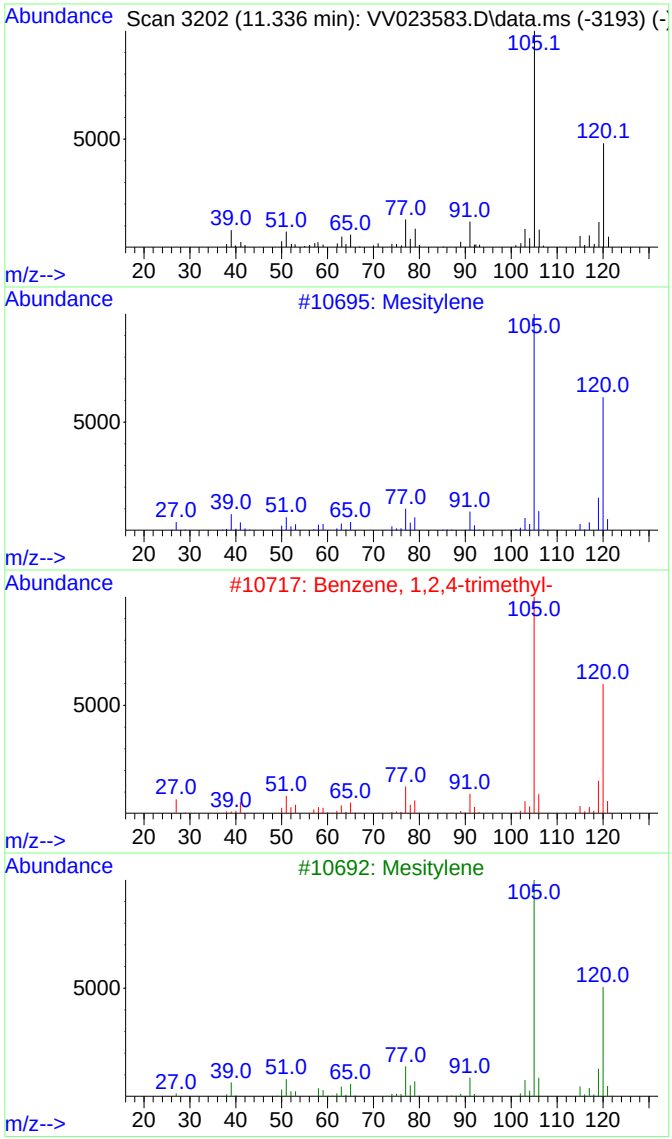
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

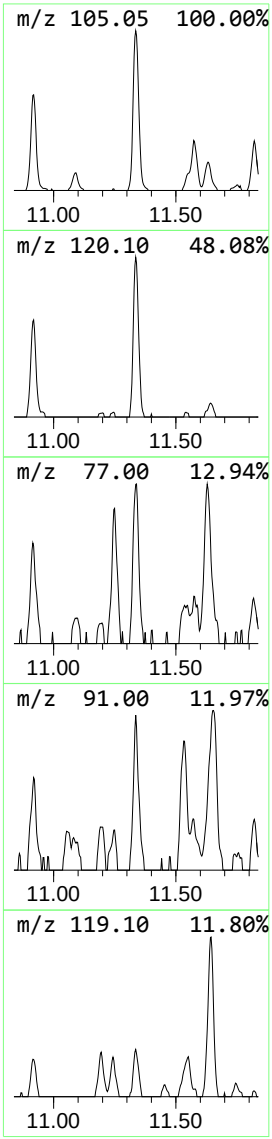
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.336	0.84 ug/L	51900	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

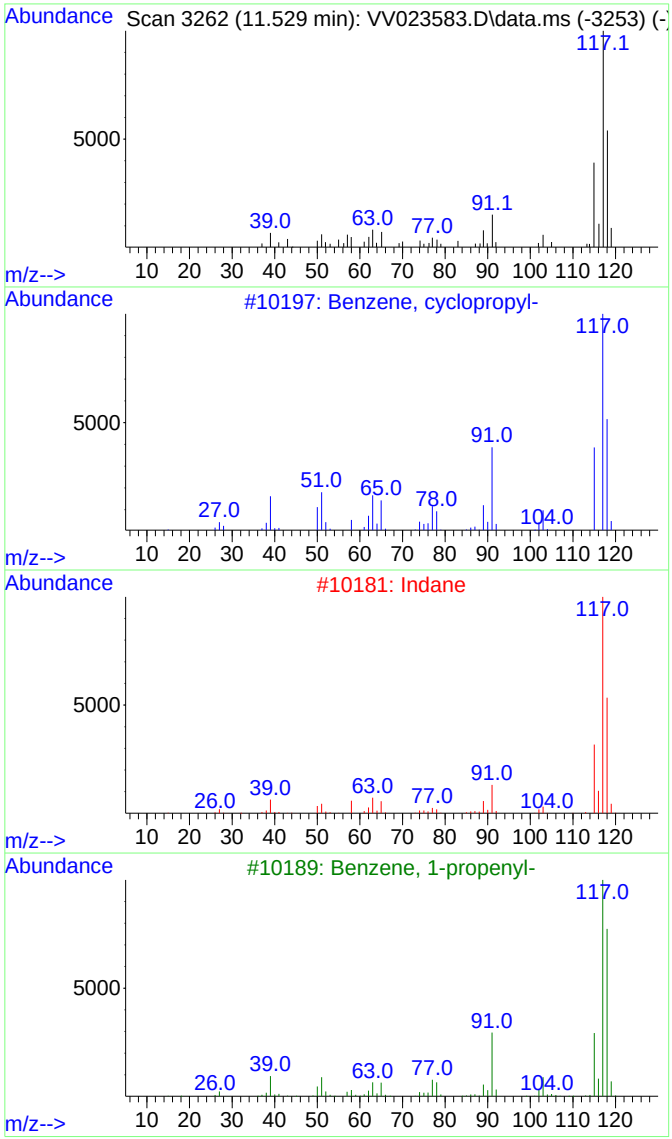
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

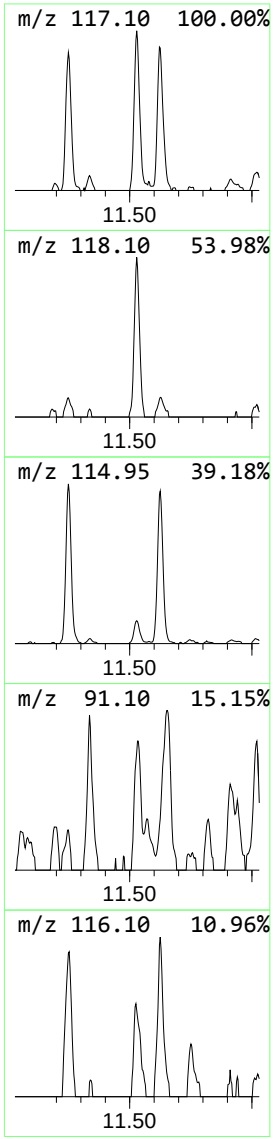
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, cyclopropyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.529	0.70 ug/L	42979	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
2	Indane	118	C9H10	000496-11-7	93
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
4	Indane	118	C9H10	000496-11-7	76
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76





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Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

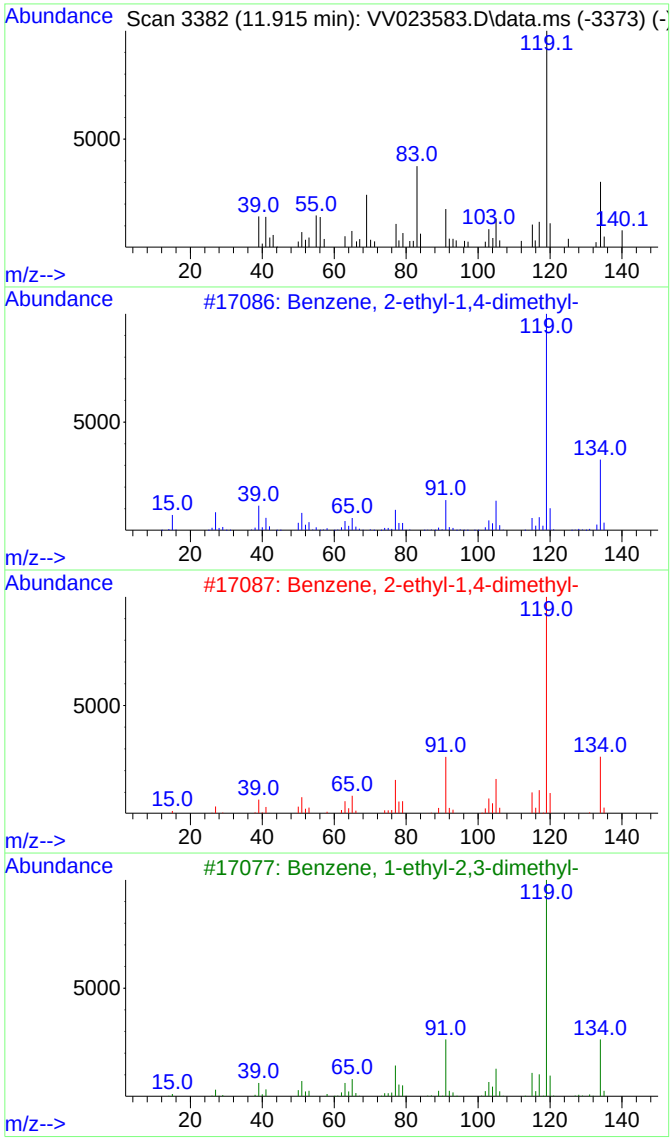
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

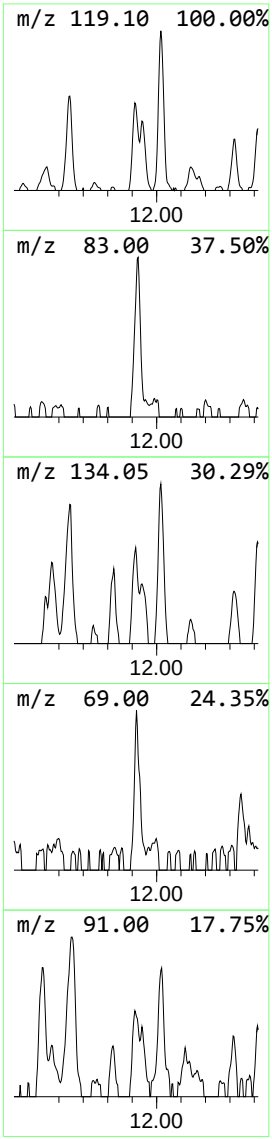
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.915	0.75 ug/L	46442	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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90





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Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

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

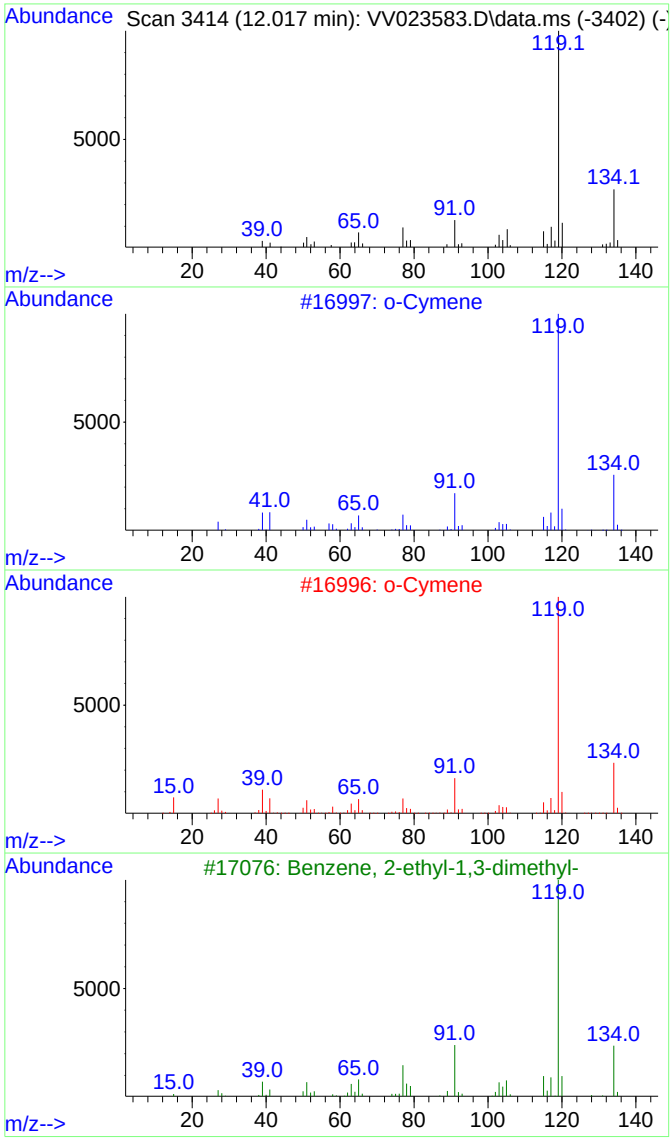
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

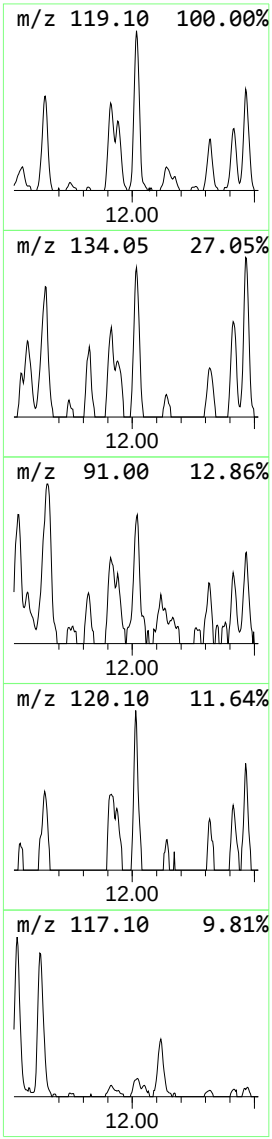
****

Peak Number 18 o-Cymene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.017	0.51 ug/L	31700	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

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

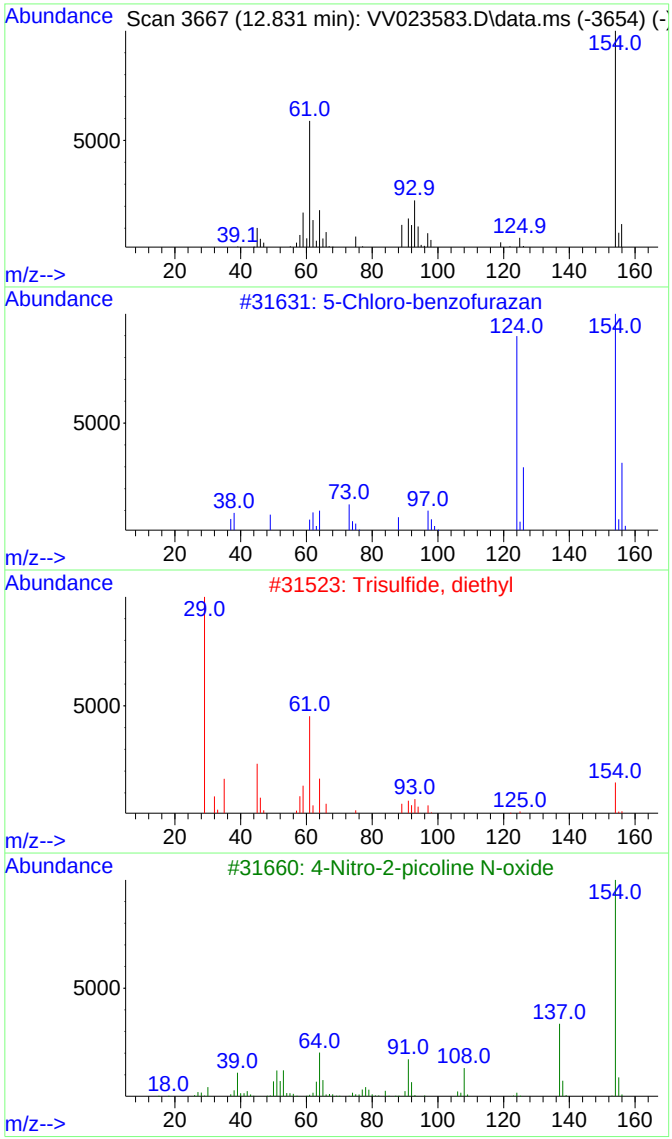
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

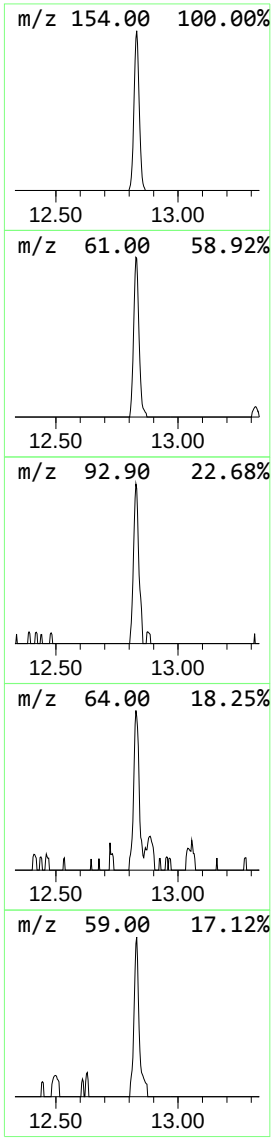
****

Peak Number 19 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.831	0.77 ug/L	47410	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Chloro-benzofurazan	154	C6H3ClN2O	019155-86-3	37
2	Trisulfide, diethyl	154	C4H10S3	003600-24-6	35
3	4-Nitro-2-picoline N-oxide	154	C6H6N2O3	005470-66-6	27
4	Benzoic acid, 4-mercapto-	154	C7H6O2S	001074-36-8	22
5	2-(Dimethyl phosphino)-ethyl pho...	122	C4H12P2	054772-64-4	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 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

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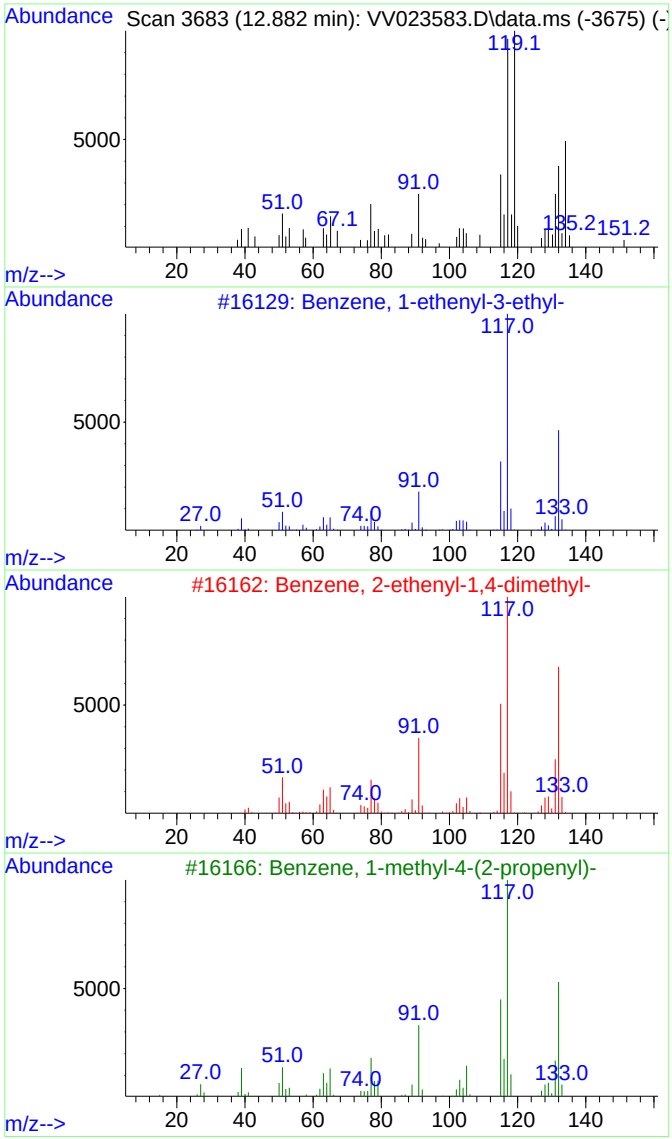
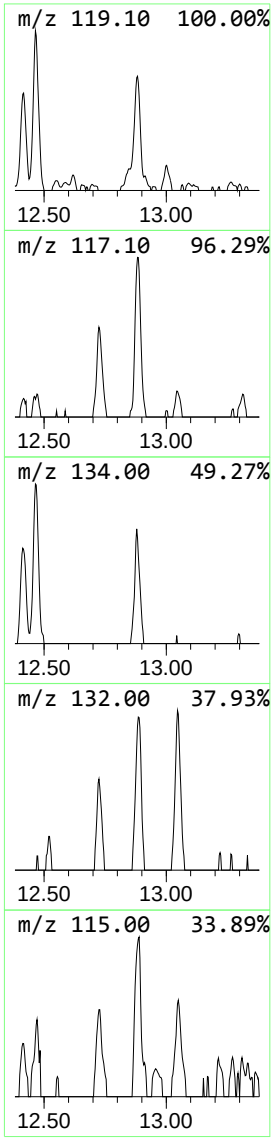
Peak Number 20 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.882	0.65 ug/L	40234	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	89
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	50
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	50
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	50
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4667

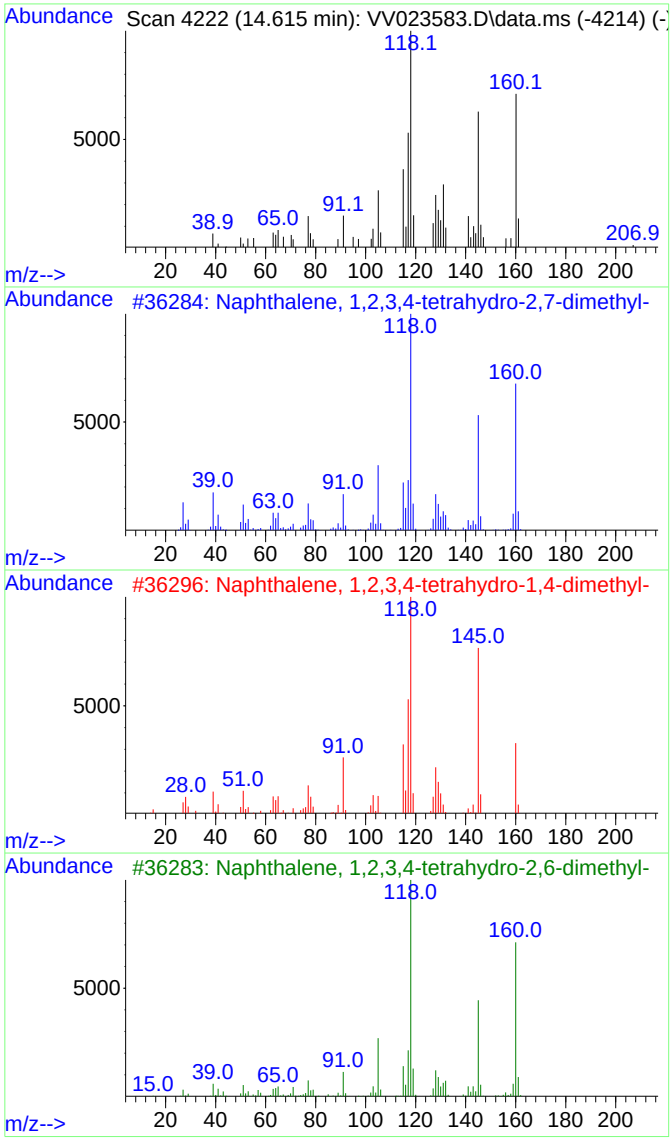
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0

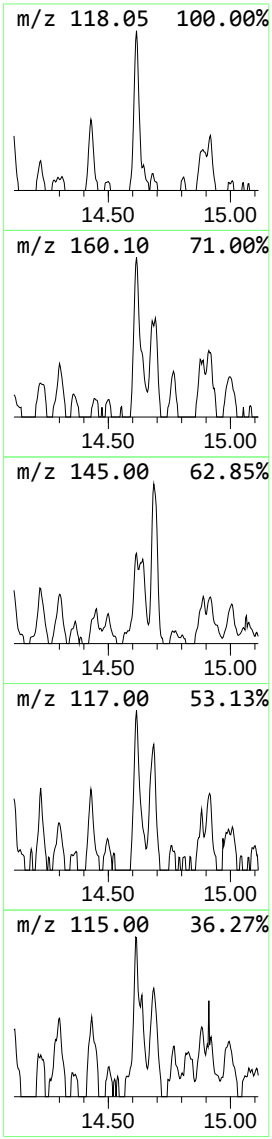
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.615	0.55 ug/L	33808	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	87
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	81
4	Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	70
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
Data File : VV023583.D
Acq On : 17 Nov 2021 20:35
Operator : SY/MD
Sample : M4627-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 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...	1.108	8.6	ug/L	422067	1	5.619	246864	5.0
(DEL) Alkane: S...	1.417	4.9	ug/L	241367	1	5.619	246864	5.0
(DEL) Alkane: C...	1.764	0.9	ug/L	43305	1	5.619	246864	5.0
(DEL) Alkane: S...	1.815	1.8	ug/L	88624	1	5.619	246864	5.0
(DEL) Alkane: S...	1.899	1.0	ug/L	49854	1	5.619	246864	5.0
(DEL) Alkane: C...	1.979	1.0	ug/L	49943	1	5.619	246864	5.0
Ethanethiol	2.031	12.0	ug/L	591769	1	5.619	246864	5.0
Cyclopentene	2.478	1.4	ug/L	66633	1	5.619	246864	5.0
(DEL) Alkane: S...	2.944	0.6	ug/L	30151	1	5.619	246864	5.0
Thiophene	5.365	0.8	ug/L	37534	1	5.619	246864	5.0
Sulfide, ethyl ...	7.860	0.6	ug/L	33698	2	8.854	302997	5.0
Diethyl disulfide	10.014	3.6	ug/L	217032	2	8.854	302997	5.0
Benzene, 1-ethy...	10.448	0.6	ug/L	36796	3	11.249	308019	5.0
Benzene, 1,2,3-...	11.336	0.8	ug/L	51900	3	11.249	308019	5.0
Benzene, cyclop...	11.529	0.7	ug/L	42979	3	11.249	308019	5.0
Benzene, 2-ethy...	11.915	0.8	ug/L	46442	3	11.249	308019	5.0
o-Cymene	12.017	0.5	ug/L	31700	3	11.249	308019	5.0
unknown-01	12.831	0.8	ug/L	47410	3	11.249	308019	5.0
Benzene, 1-ethe...	12.882	0.7	ug/L	40234	3	11.249	308019	5.0
Naphthalene, 1,...	14.615	0.6	ug/L	33808	3	11.249	308019	5.0