LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

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\SFAMVTR081122WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV027345.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	8	14	31	rBV	216855	433514	27.26%	3.326%
2	1.230	44	59	74	rBV	404044	1590263	100.00%	12.201%
3	1.458	125	130	156	rVB	333226	465931	29.30%	3.575%
4	1.558	158	161	185	rVB	73875	108370	6.81%	0.831%
5	2.024	297	306	321	rBV	676892	931997	58.61%	7.150%
6	2.101	322	330	341	rVB2	127074	194858	12.25%	1.495%
7	2.159	341	348	356	rBV	41749	55652	3.50%	0.427%
8	2.198	356	360	368	rVB3	13188	16910	1.06%	0.130%
9	2.288	379	388	405	rVB	50105	77731	4.89%	0.596%
10	2.651	486	501	522	rBV	180595	341900	21.50%	2.623%
11	2.757	526	534	556	rVB2	17568	36456	2.29%	0.280%
12	3.674	804	819	844	rBV2	124292	308509	19.40%	2.367%
13	3.876	869	882	904	rBV3	81582	282916	17.79%	2.171%
14	4.339	1012	1026	1053	rBV3	120993	313437	19.71%	2.405%
15	5.043	1227	1245	1260	rBV2	197207	502443	31.59%	3.855%
16	5.358	1327	1343	1361	rBV	104975	237273	14.92%	1.820%
17	5.612	1410	1422	1441	rBV	187049	387257	24.35%	2.971%
18	5.918	1505	1517	1535	rBV	19513	45889	2.89%	0.352%
19	6.066	1545	1563	1579	rBV2	122874	263244	16.55%	2.020%
20	6.246	1608	1619	1630	rBV	108696	212485	13.36%	1.630%
21	6.989	1834	1850	1863	rBV2	43771	88076	5.54%	0.676%
22	7.313	1939	1951	1963	rBV	214035	383645	24.12%	2.943%
23	7.384	1963	1973	1997	rVB	395529	728816	45.83%	5.592%
24	7.525	2008	2017	2033	rBV2	21860	44361	2.79%	0.340%
25	7.622	2040	2047	2060	rVB	23921	38659	2.43%	0.297%
26	7.715	2066	2076	2090	rVB	8018	20189	1.27%	0.155%
27	8.088	2180	2192	2223	rBV	263025	564394	35.49%	4.330%
28	8.242	2225	2240	2262	rBV	773453	1317536	82.85%	10.108%
29	8.850	2415	2429	2438	rBV	318171	538636	33.87%	4.133%
30	8.895	2439	2443	2460	rVB	82733	128228	8.06%	0.984%
31	9.107	2499	2509	2517	rBV	57161	102725	6.46%	0.788%
32	9.458	2608	2618	2638	rBV4	24673	50468	3.17%	0.387%
33	9.699	2681	2693	2715	rBV	177097	302194	19.00%	2.318%
34	9.847	2732	2739	2750	rVB3	20302	34334	2.16%	0.263%
35	10.075	2802	2810	2824	rVB6	13484	25449	1.60%	0.195%
36	10.213	2843	2853	2867	rVB2	99076	158199	9.95%	1.214%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

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\SFAMVTR081122WMA.M
Title : TRACE VOA SFAM1.0

37	10.413	2904	2915	2926	rBV3	28541	55394	3.48%	0.425%
38	10.516	2938	2947	2962	rVB4	9394	20485	1.29%	0.157%
39	10.718	3001	3010	3021	rBV	42977	64346	4.05%	0.494%
40	10.934	3063	3077	3092	rBV2	95186	162169	10.20%	1.244%
41	11.037	3101	3109	3123	rBV	37723	64062	4.03%	0.491%
42	11.249	3164	3175	3196	rVB	334211	537188	33.78%	4.121%
43	11.622	3281	3291	3302	rBV	241262	387024	24.34%	2.969%
44	11.779	3329	3340	3355	rVB7	12823	31923	2.01%	0.245%
45	11.963	3391	3397	3407	rVV4	12727	23979	1.51%	0.184%
46	12.133	3443	3450	3461	rVB3	11903	19653	1.24%	0.151%
47	12.233	3473	3481	3495	rBV	31707	49594	3.12%	0.380%
48	12.734	3627	3637	3648	rBV2	36089	57790	3.63%	0.443%
49	12.876	3667	3681	3689	rBV	54011	87541	5.50%	0.672%
50	13.319	3809	3819	3837	rBV	39954	63005	3.96%	0.483%
51	13.541	3879	3888	3896	rVB8	10379	16430	1.03%	0.126%
52	13.979	4015	4024	4037	rBV4	12388	21263	1.34%	0.163%
53	14.081	4046	4056	4068	rVB4	7359	15992	1.01%	0.123%
54	16.384	4764	4772	4783	rBV	13353	23342	1.47%	0.179%

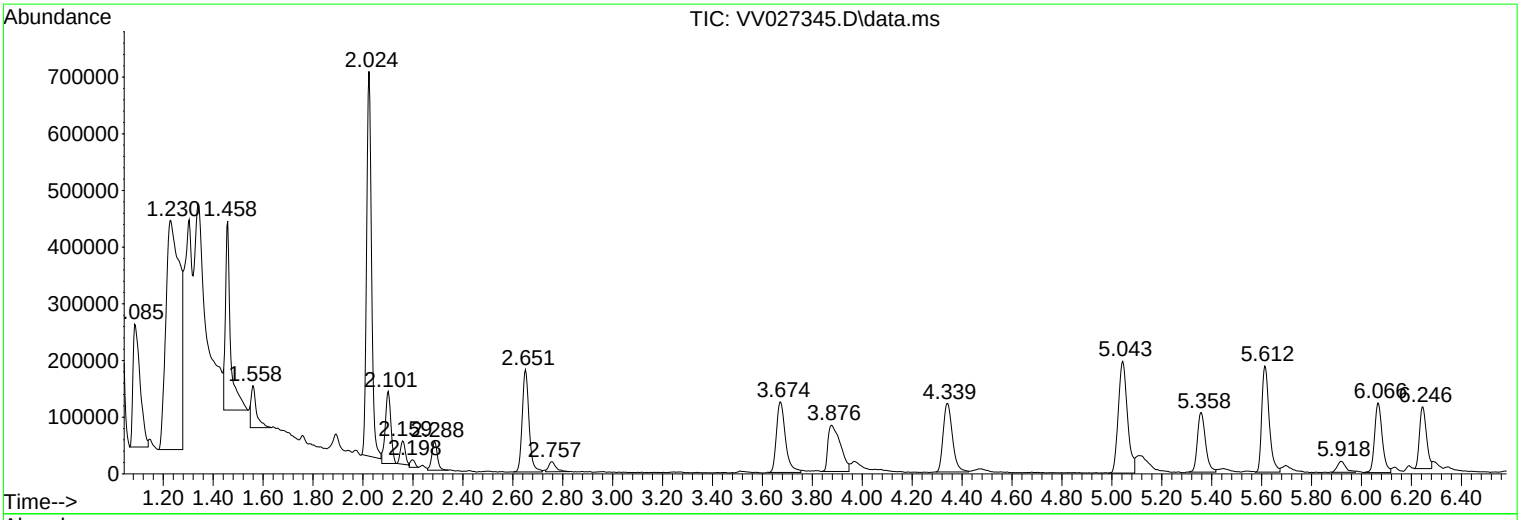
Sum of corrected areas: 13034124

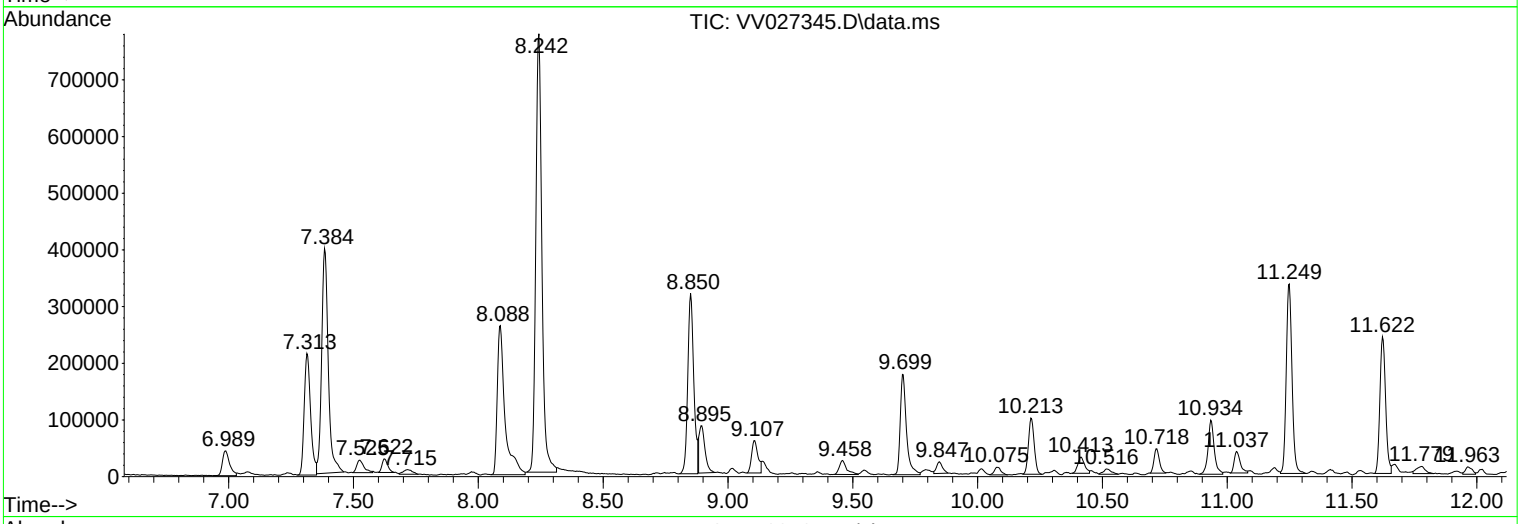
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

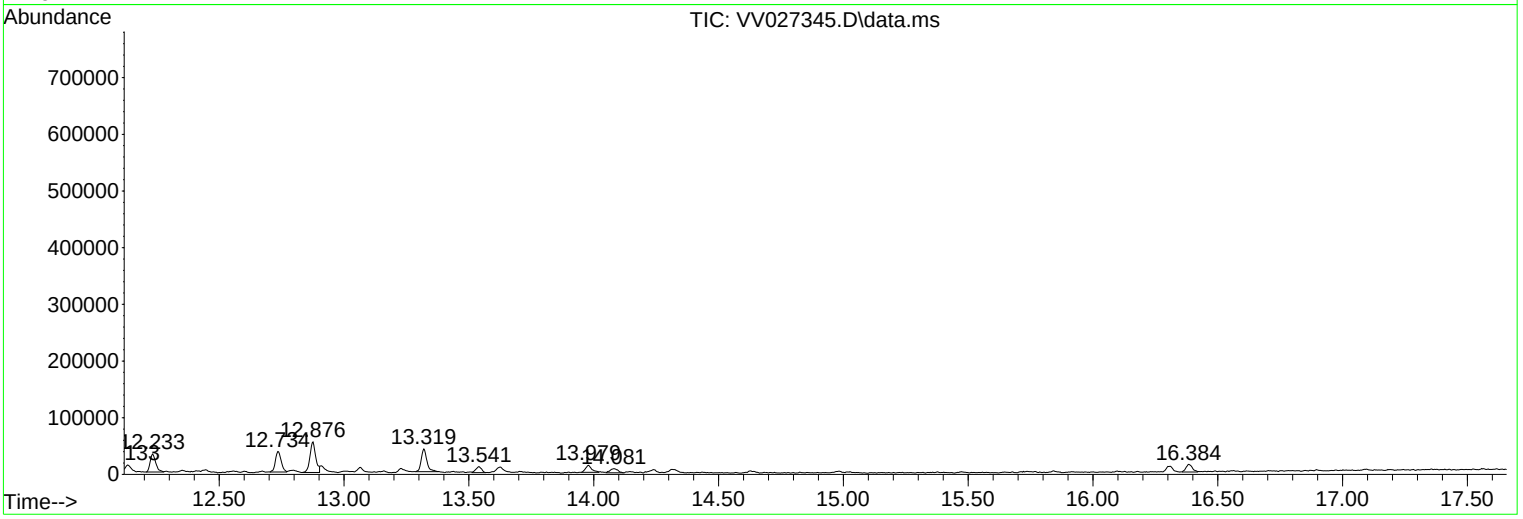
Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.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\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

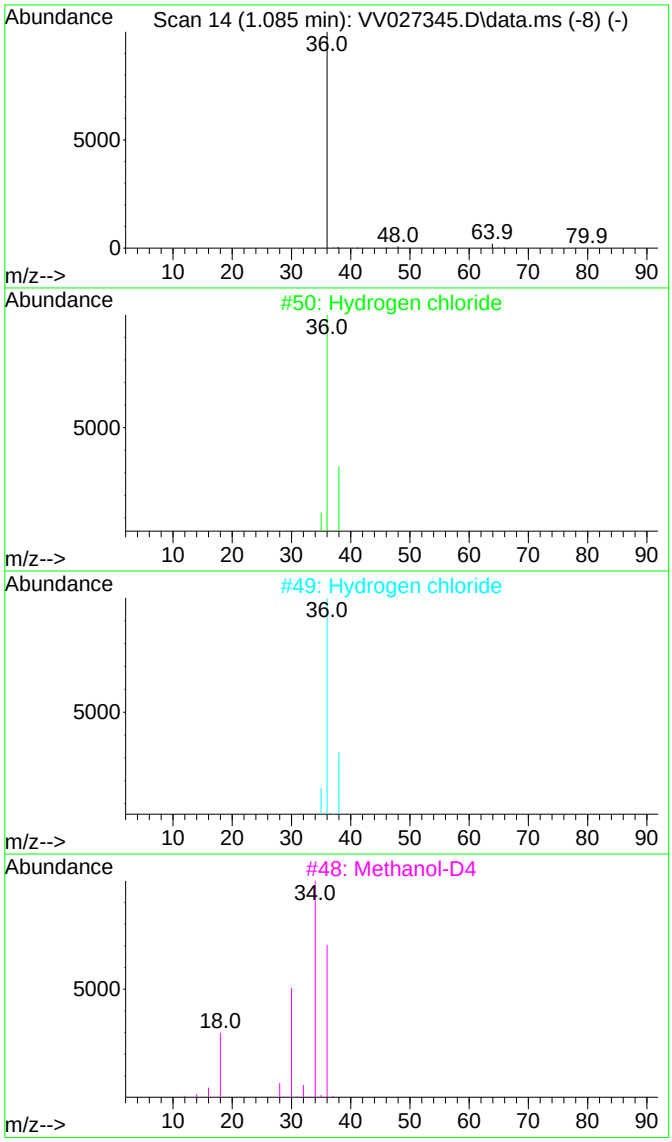
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

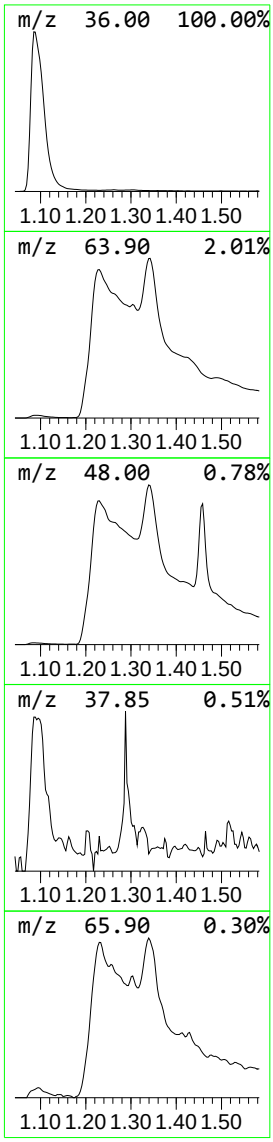
****

Peak Number 1 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.085	5.60 ug/L	433514	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrogen chloride	36	ClH	007647-01-0	2
2	Hydrogen chloride	36	ClH	007647-01-0	2
3	Methanol-D4	36	CD4O	000811-98-3	2
4	Ammonium Chloride	53	ClH4N	012125-02-9	1
5	2-Chloroethylamine	79	C2H6ClN	000689-98-5	1





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

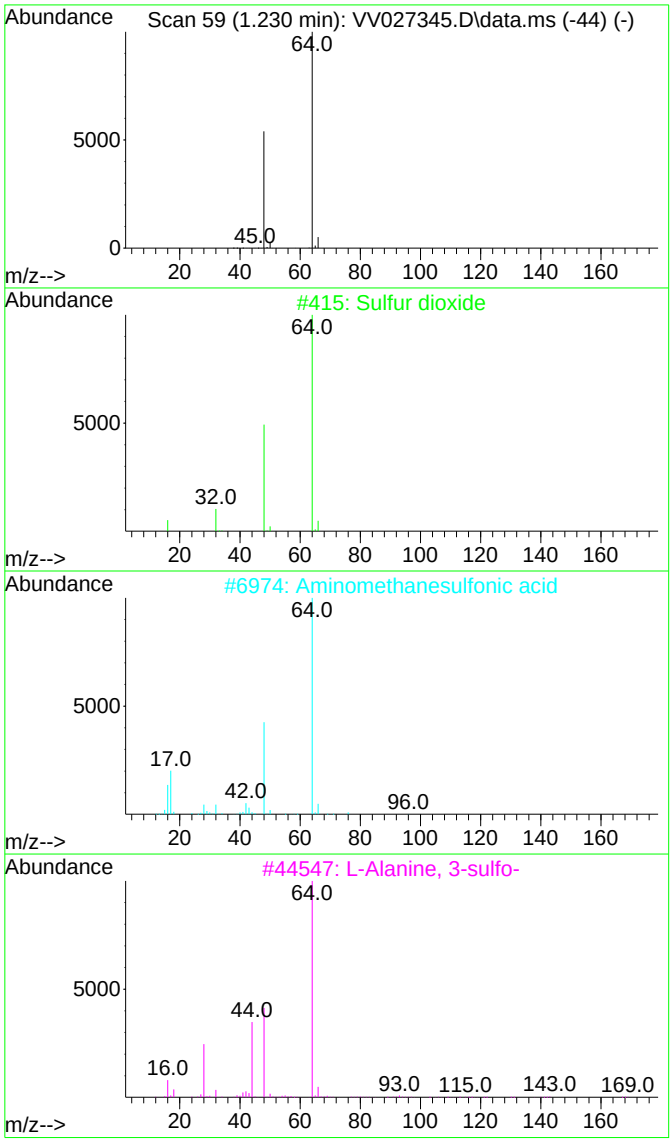
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

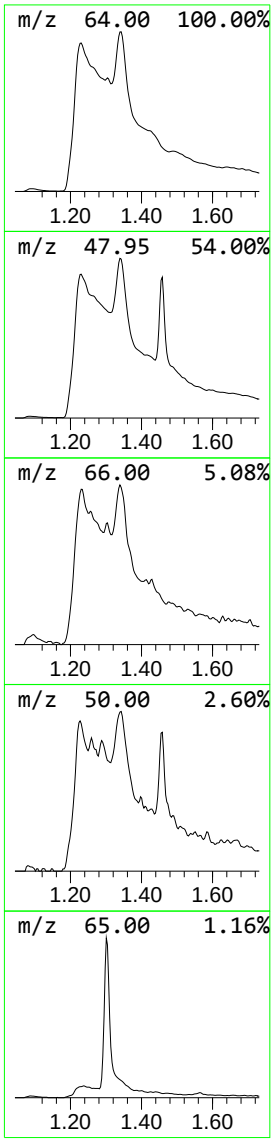
****

Peak Number 2 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.230	20.53 ug/L	1590260	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Sulfur dioxide	64	O2S	007446-09-5	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

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

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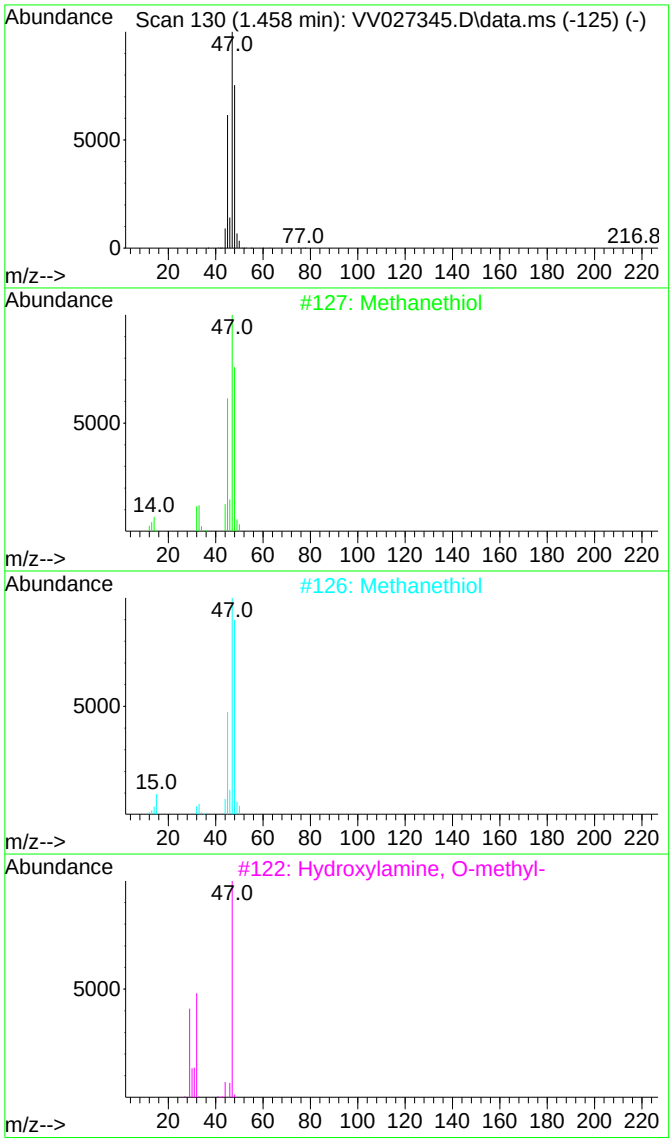
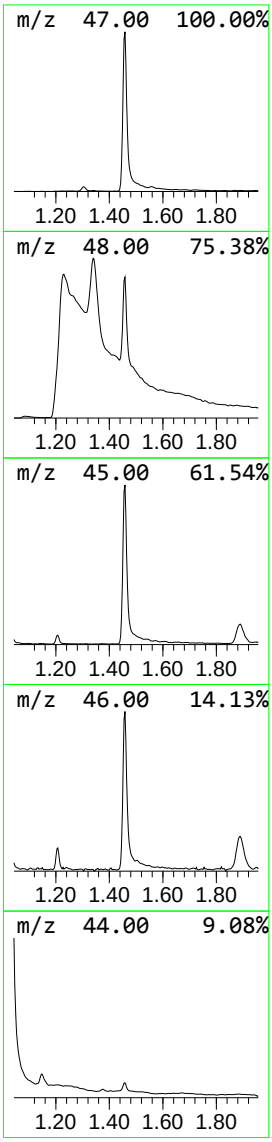
Peak Number 3 Methanethiol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.458	6.02 ug/L	465931	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	91
2	Methanethiol	48	CH4S	000074-93-1	90
3	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	7
4	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	7
5	Methane, nitroso-	45	CH3NO	000865-40-7	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

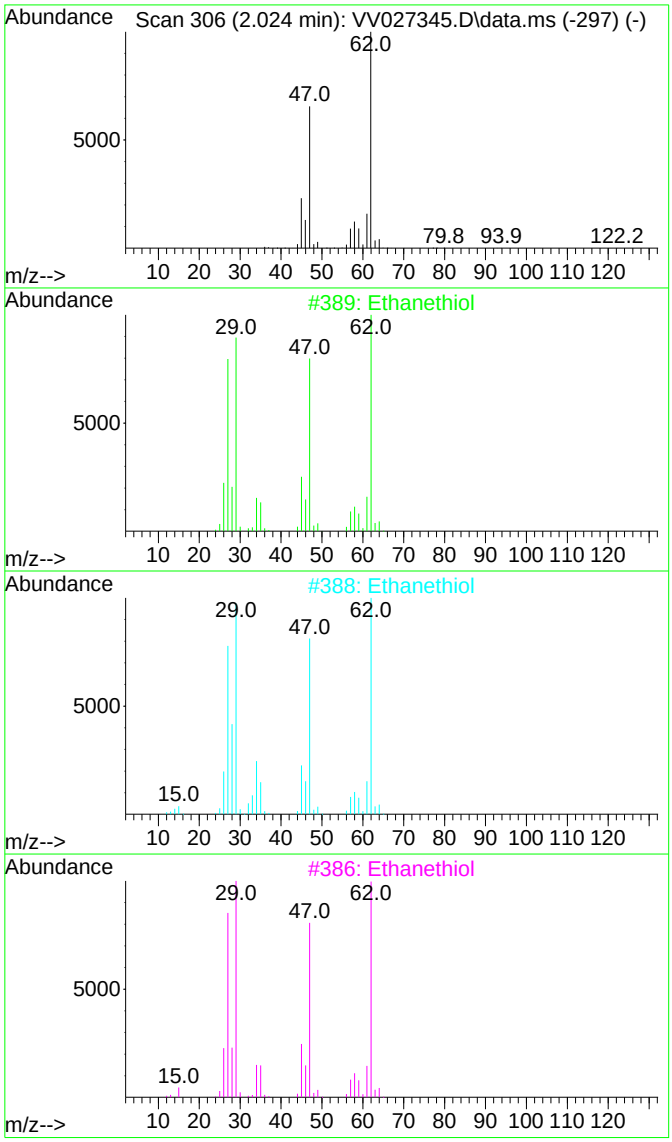
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

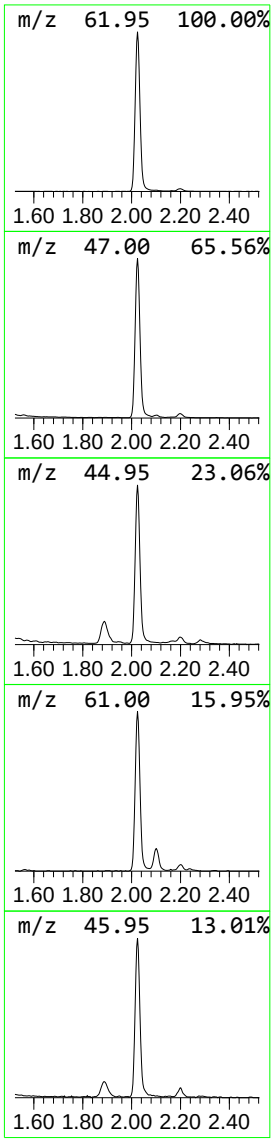
****

Peak Number 4 Ethanethiol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.024	12.03 ug/L	931997	1,4-Difluorobenzene	5.612

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

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

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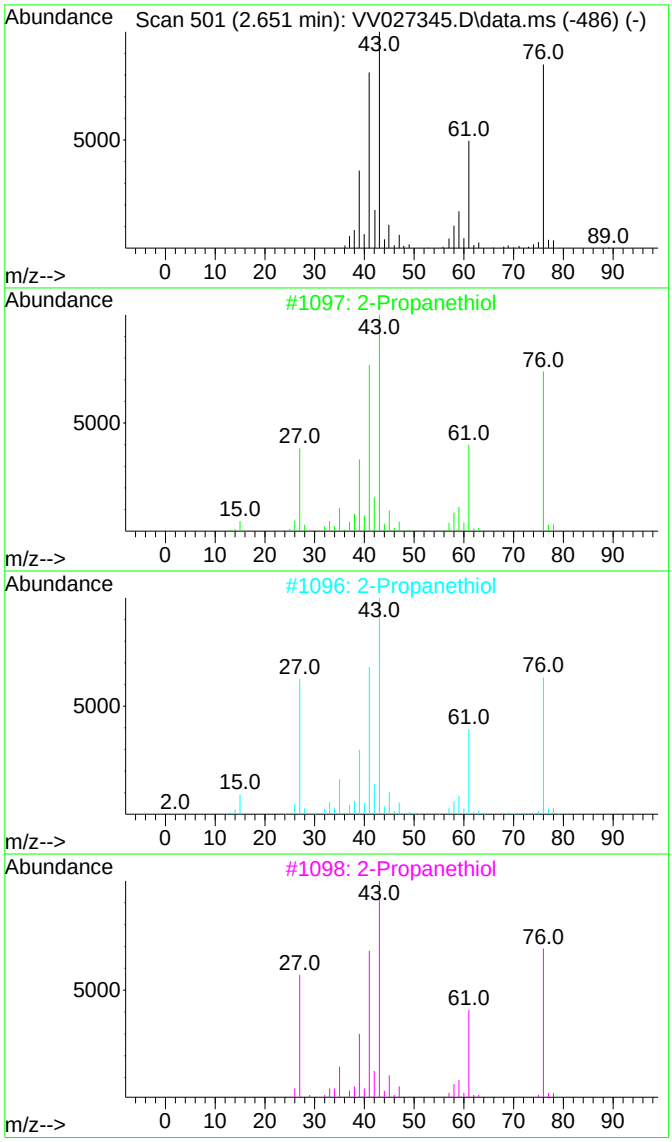
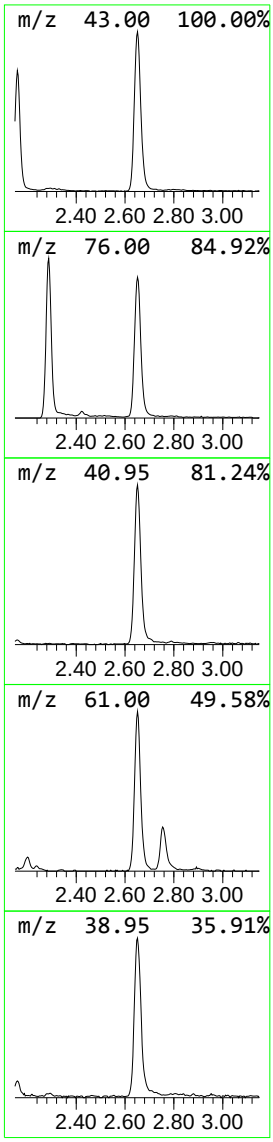
Peak Number 5 2-Propanethiol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.651	4.41 ug/L	341900	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanethiol	76	C3H8S	000075-33-2	91
2	2-Propanethiol	76	C3H8S	000075-33-2	91
3	2-Propanethiol	76	C3H8S	000075-33-2	91
4	2-Propanethiol	76	C3H8S	000075-33-2	90
5	Isopropyl phosphine	76	C3H9P	004538-29-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

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

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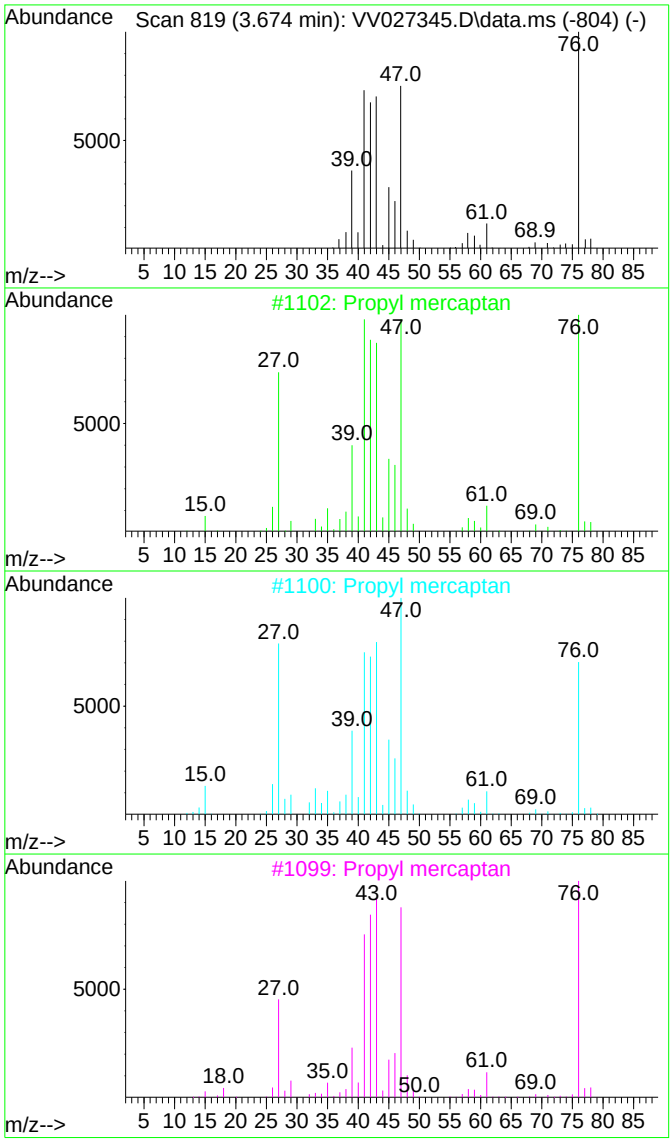
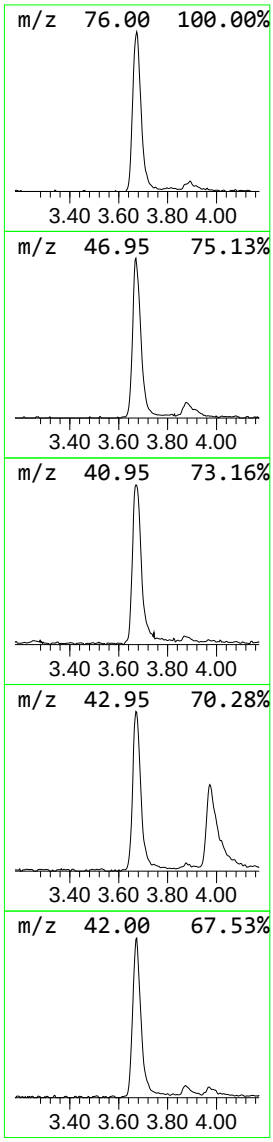
Peak Number 6 Propyl mercaptan Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.674	3.98 ug/L	308509	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyl mercaptan	76	C3H8S	000107-03-9	96
2	Propyl mercaptan	76	C3H8S	000107-03-9	91
3	Propyl mercaptan	76	C3H8S	000107-03-9	90
4	Propyl mercaptan	76	C3H8S	000107-03-9	87
5	Monopropyl carbonotrithioate	152	C4H8S3	068060-07-1	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

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

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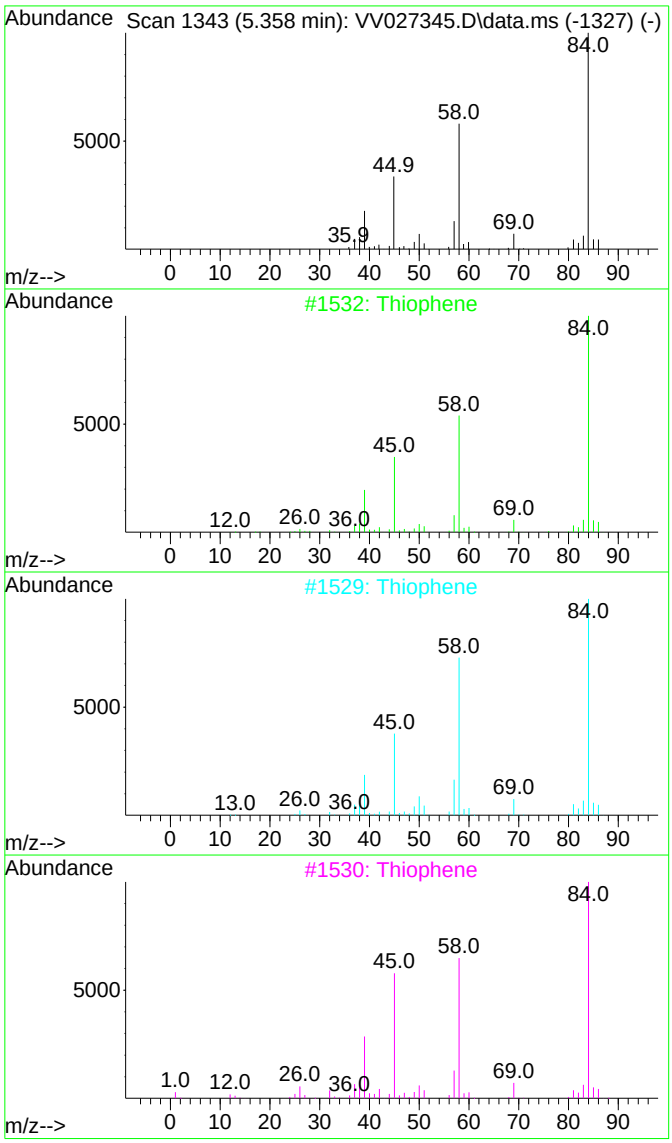
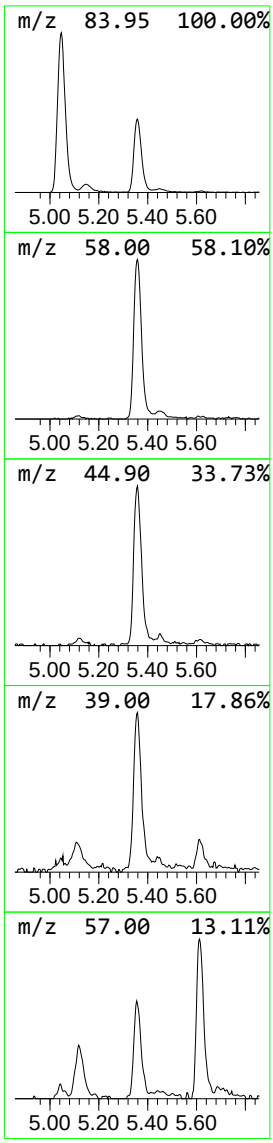
Peak Number 7 Thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.358	3.06 ug/L	237273	1,4-Difluorobenzene	5.612

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	90
5	Pyridine-D5-	84	C5D5N	007291-22-7	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

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

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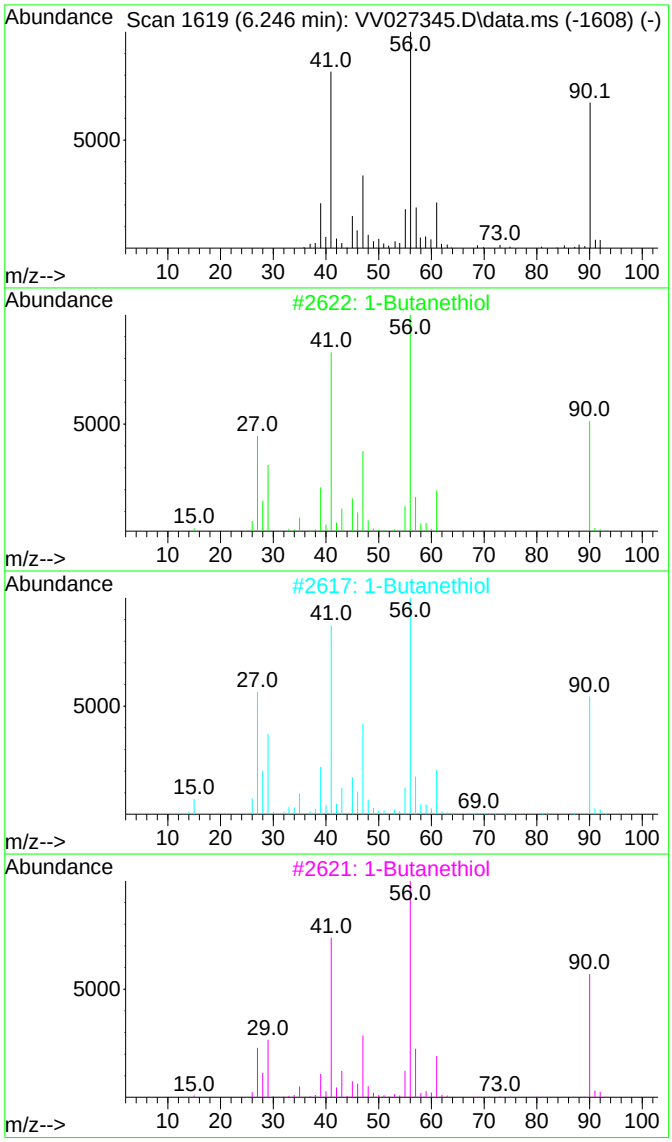
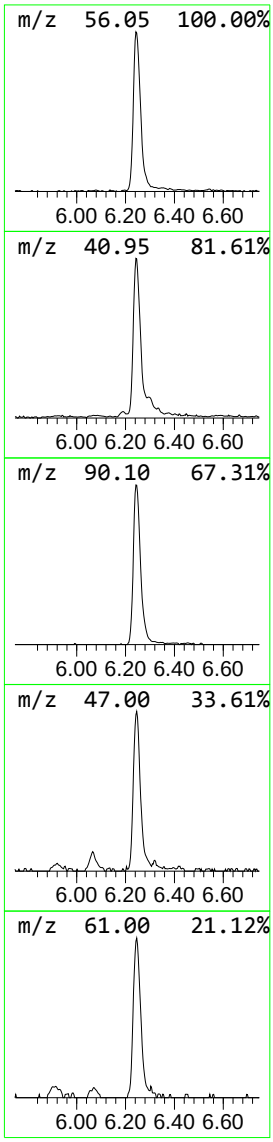
Peak Number 8 1-Butanethiol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.246	2.74 ug/L	212485	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanethiol	90	C4H10S	000109-79-5	94
2	1-Butanethiol	90	C4H10S	000109-79-5	94
3	1-Butanethiol	90	C4H10S	000109-79-5	93
4	1-Butanethiol	90	C4H10S	000109-79-5	91
5	1-Propanethiol, 2-methyl-	90	C4H10S	000513-44-0	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

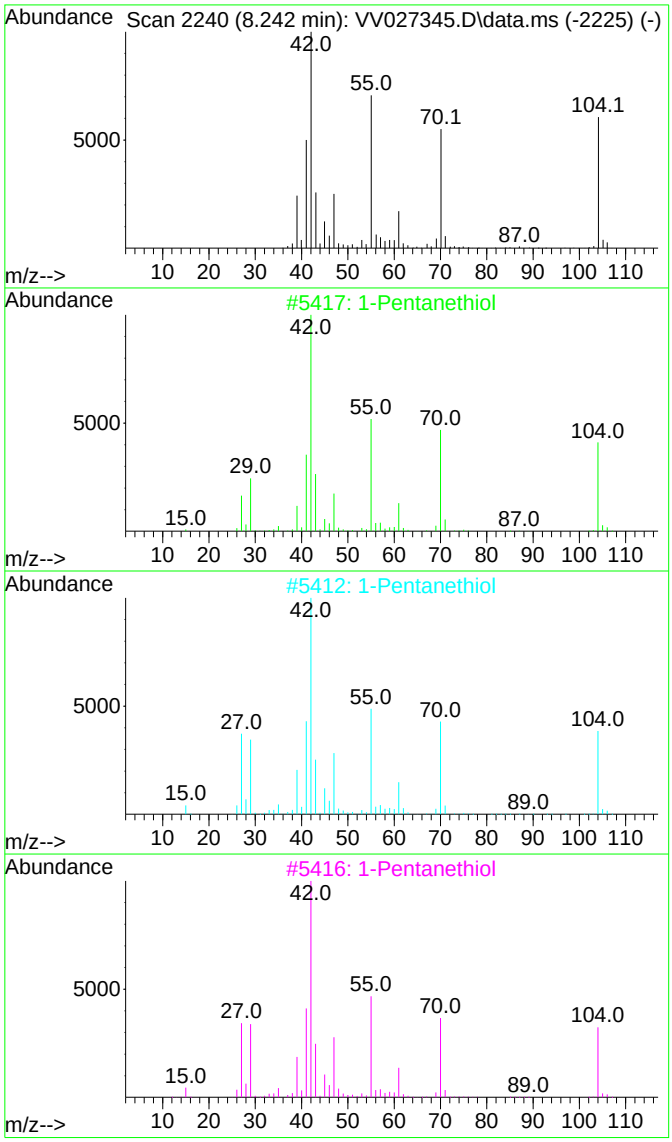
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

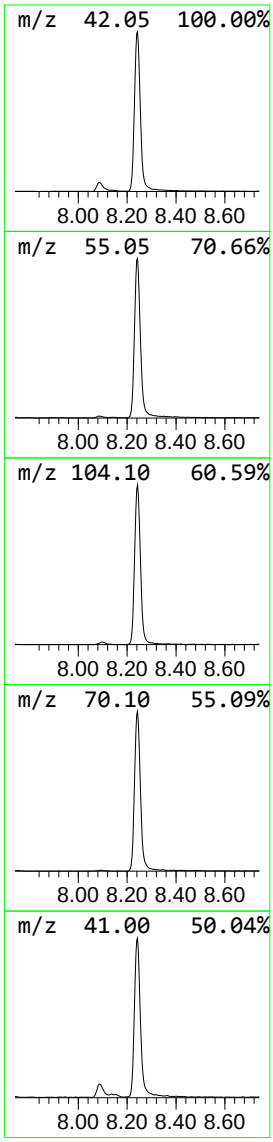
****

Peak Number 10 1-Pentanethiol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.242	12.23 ug/L	1317540	Chlorobenzene-d5	8.850

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanethiol	104	C5H12S	000110-66-7	94
2	1-Pentanethiol	104	C5H12S	000110-66-7	91
3	1-Pentanethiol	104	C5H12S	000110-66-7	91
4	1-Butanethiol, 3-methyl-	104	C5H12S	000541-31-1	81
5	1-Butanethiol, 3-methyl-	104	C5H12S	000541-31-1	62





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Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

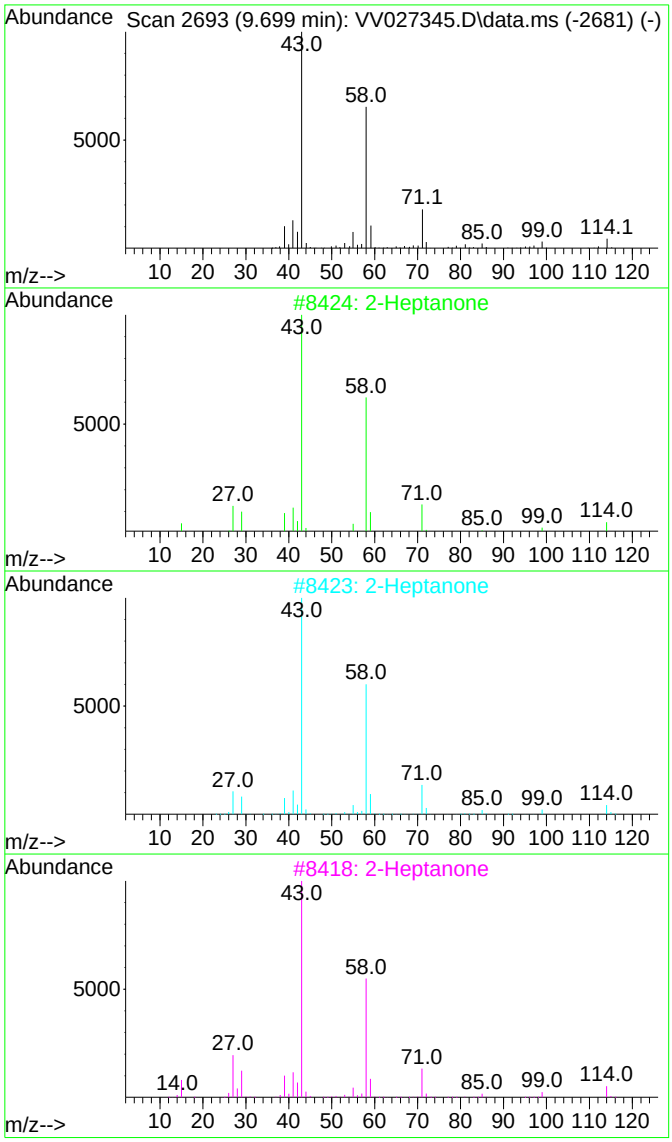
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

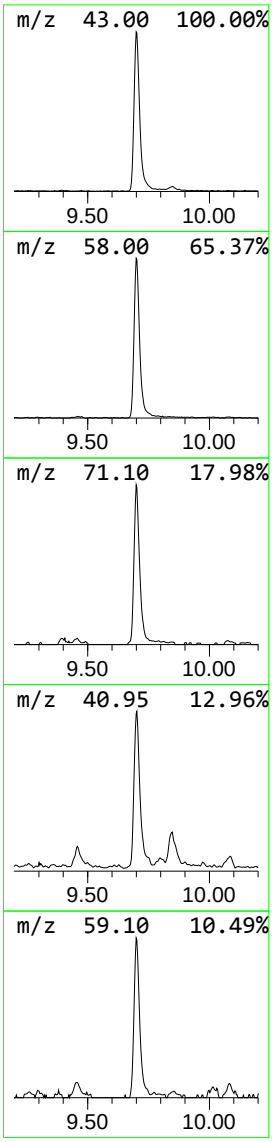
****

Peak Number 11 2-Heptanone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.699	2.81 ug/L	302194	Chlorobenzene-d5	8.850

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Heptanone	114	C7H14O	000110-43-0	91
3	2-Heptanone	114	C7H14O	000110-43-0	91
4	2-Heptanone	114	C7H14O	000110-43-0	83
5	2-Heptanone	114	C7H14O	000110-43-0	83





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Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

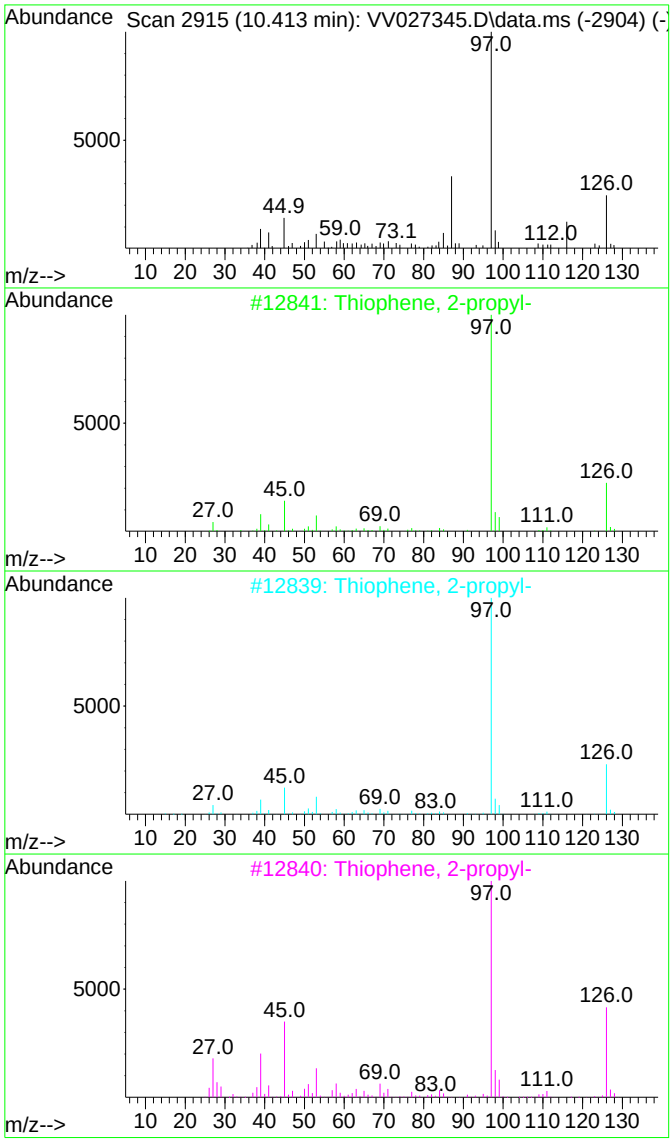
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

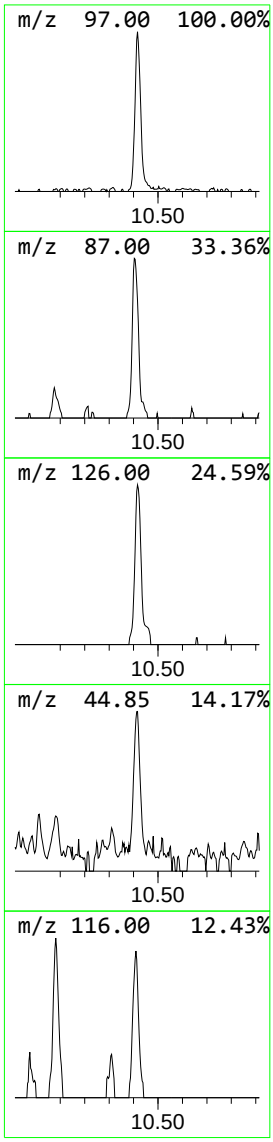
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Thiophene, 2-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.413	0.52 ug/L	55394	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	70
2	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	64
3	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	53
4	1H-Pyrazole, 4,5-dihydro-3-methy...	126	C7H14N2	026964-49-8	50
5	Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	50





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Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

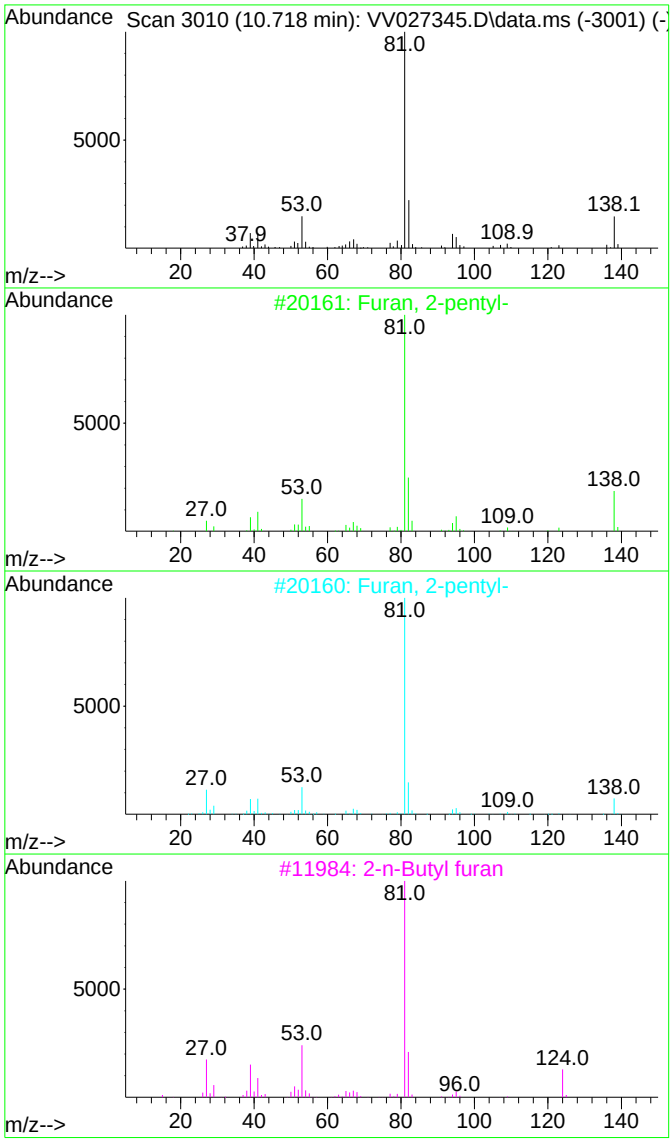
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

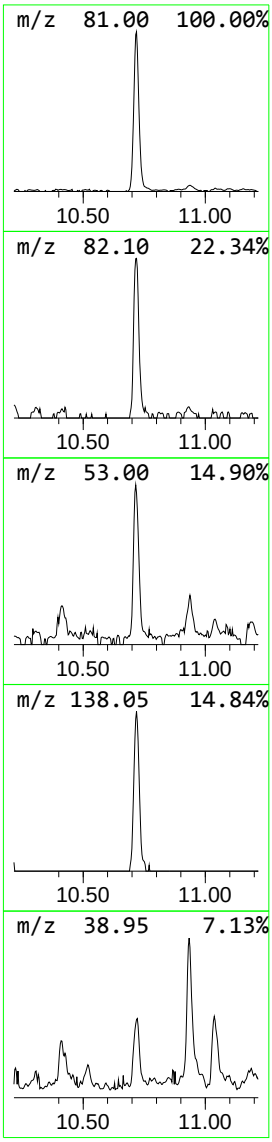
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Furan, 2-pentyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.718	0.60 ug/L	64346	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-pentyl-	138	C9H14O	003777-69-3	91
2	Furan, 2-pentyl-	138	C9H14O	003777-69-3	80
3	2-n-Butyl furan	124	C8H12O	004466-24-4	64
4	2-n-Butyl furan	124	C8H12O	004466-24-4	53
5	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

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

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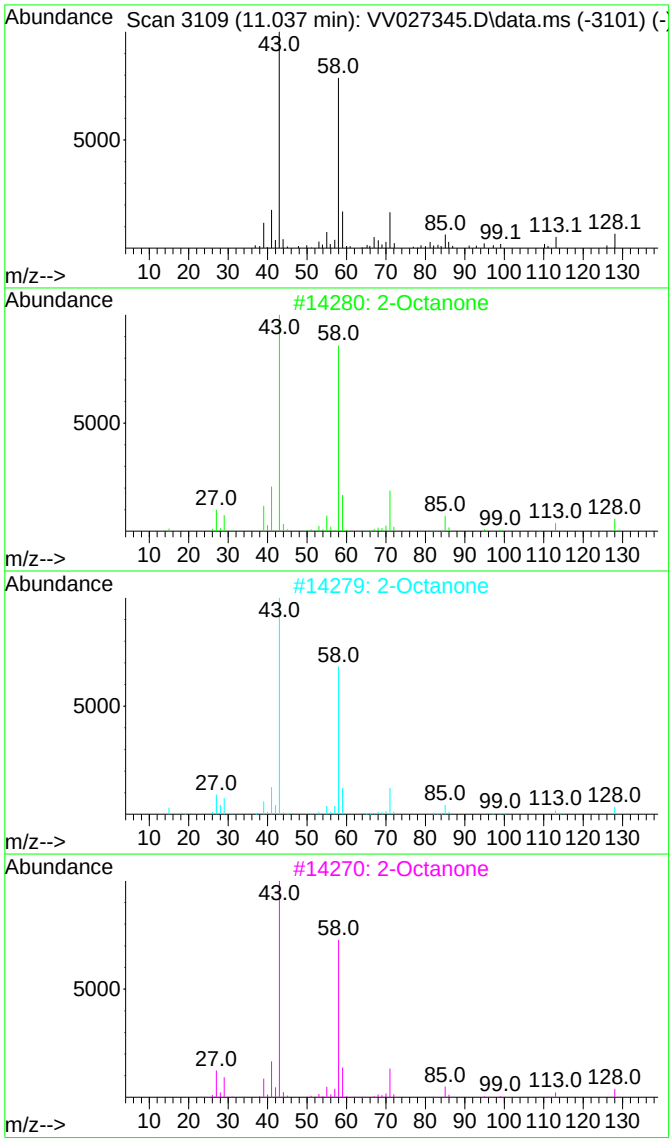
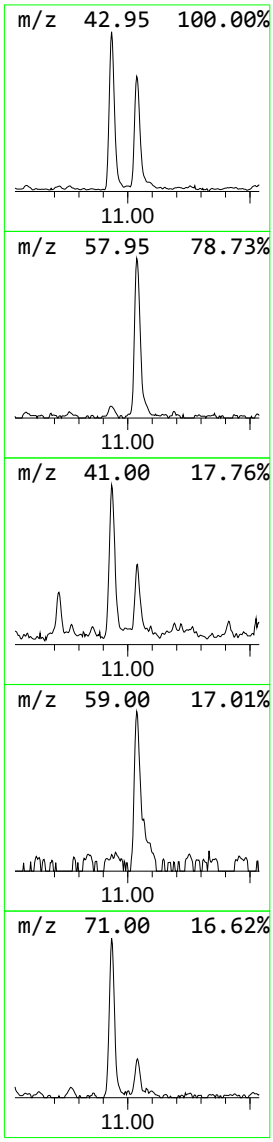
Peak Number 14 2-Octanone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.037	0.60 ug/L	64062	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	91
2	2-Octanone	128	C8H16O	000111-13-7	91
3	2-Octanone	128	C8H16O	000111-13-7	90
4	2-Octanone	128	C8H16O	000111-13-7	80
5	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	72





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Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

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

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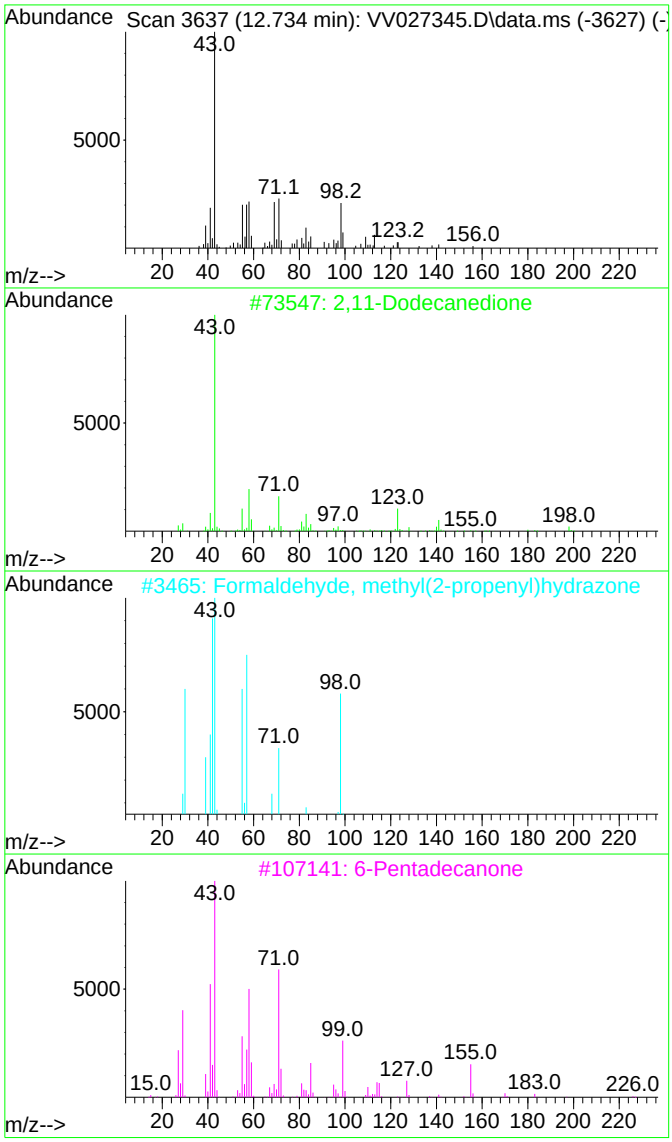
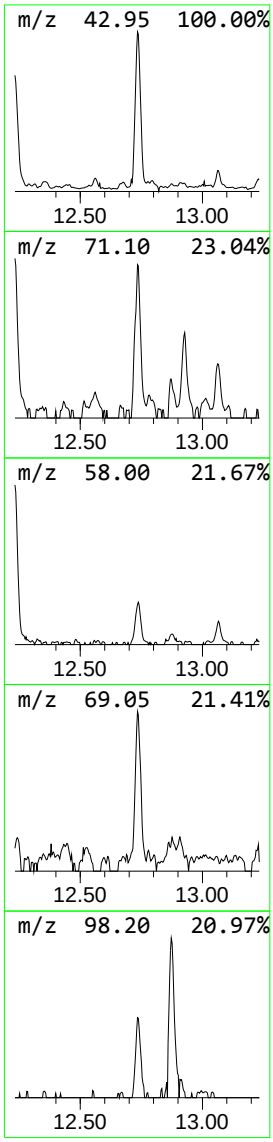
Peak Number 15 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.734	0.54 ug/L	57790	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,11-Dodecanedione	198	C12H22O2	007029-09-6	35
2	Formaldehyde, methyl(2-propenyl)...	98	C5H10N2	066075-09-0	32
3	6-Pentadecanone	226	C15H30O	001001-45-2	16
4	6-Dodecanone	184	C12H24O	006064-27-3	16
5	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	15





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

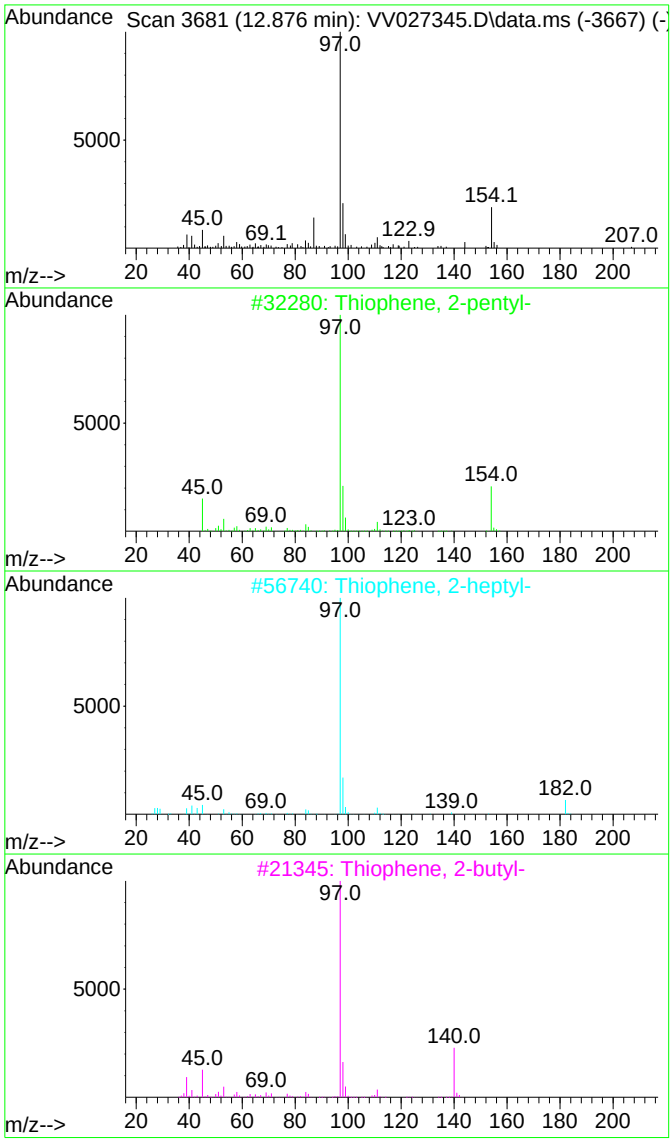
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

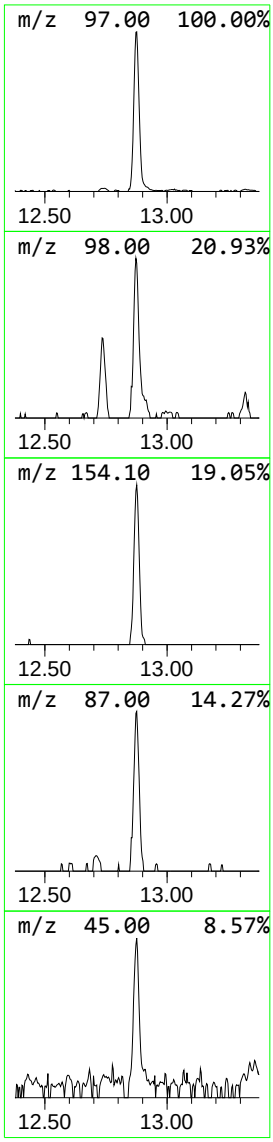
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Thiophene, 2-pentyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.876	0.81 ug/L	87541	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-pentyl-	154	C9H14S	004861-58-9	87
2	Thiophene, 2-heptyl-	182	C11H18S	018794-78-0	59
3	Thiophene, 2-butyl-	140	C8H12S	001455-20-5	59
4	Thiophene, 2-hexyl-	168	C10H16S	018794-77-9	59
5	Thiophene, 2-(3-methylbutyl)-	154	C9H14S	026963-33-7	59





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Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0

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

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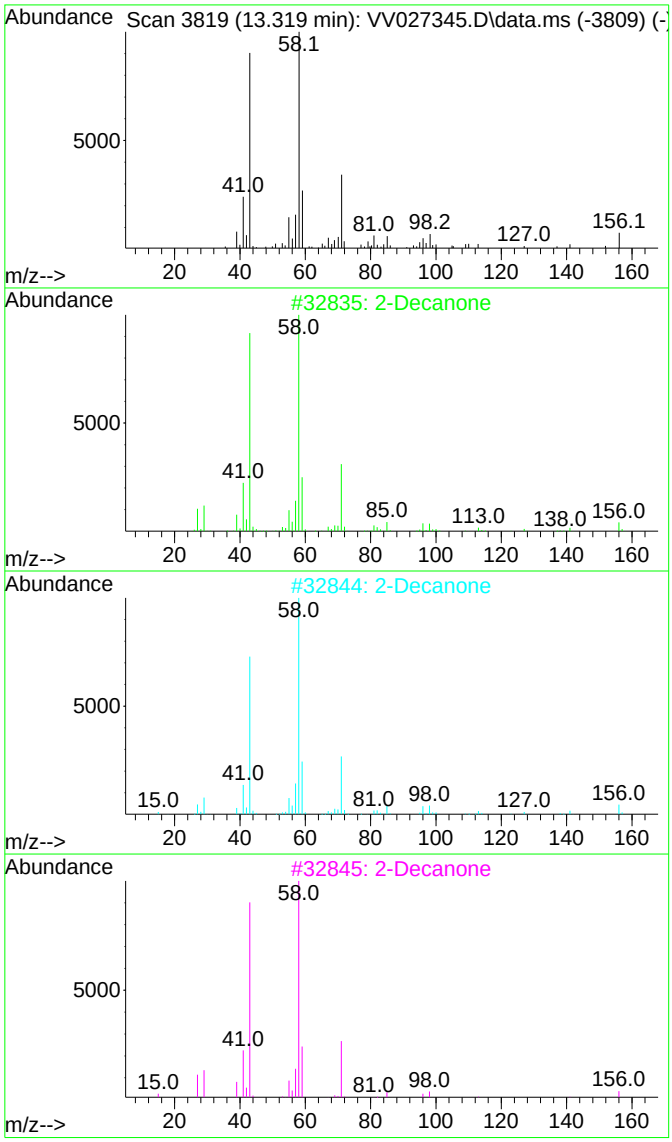
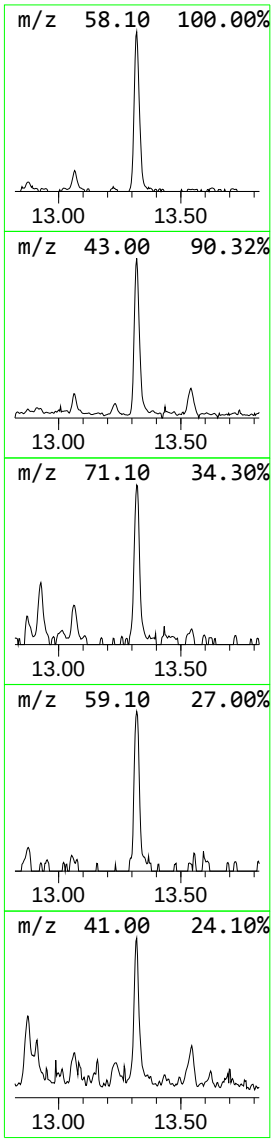
Peak Number 17 2-Decanone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.320	0.59 ug/L	63005	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decanone	156	C10H20O	000693-54-9	97
2	2-Decanone	156	C10H20O	000693-54-9	97
3	2-Decanone	156	C10H20O	000693-54-9	94
4	2-Decanone	156	C10H20O	000693-54-9	93
5	2-Dodecanone	184	C12H24O	006175-49-1	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
Data File : VV027345.D
Acq On : 12 Aug 2022 22:55
Operator : SY/MD
Sample : N4133-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5D83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.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
unknown-01	1.085	5.6	ug/L	433514	1	5.612	387257	5.0
Sulfur dioxide	1.230	20.5	ug/L	1590260	1	5.612	387257	5.0
Methanethiol	1.458	6.0	ug/L	465931	1	5.612	387257	5.0
Ethanethiol	2.024	12.0	ug/L	931997	1	5.612	387257	5.0
2-Propanethiol	2.651	4.4	ug/L	341900	1	5.612	387257	5.0
Propyl mercaptan	3.674	4.0	ug/L	308509	1	5.612	387257	5.0
Thiophene	5.358	3.1	ug/L	237273	1	5.612	387257	5.0
1-Butanethiol	6.246	2.7	ug/L	212485	1	5.612	387257	5.0
1-Pentanethiol	8.242	12.2	ug/L	1317540	2	8.850	538636	5.0
2-Heptanone	9.699	2.8	ug/L	302194	2	8.850	538636	5.0
Thiophene, 2-pr...	10.413	0.5	ug/L	55394	3	11.249	537188	5.0
Furan, 2-pentyl-	10.718	0.6	ug/L	64346	3	11.249	537188	5.0
2-Octanone	11.037	0.6	ug/L	64062	3	11.249	537188	5.0
unknown-02	12.734	0.5	ug/L	57790	3	11.249	537188	5.0
Thiophene, 2-pe...	12.876	0.8	ug/L	87541	3	11.249	537188	5.0
2-Decanone	13.320	0.6	ug/L	63005	3	11.249	537188	5.0