LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

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\SOMVTR061720WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.225	36	42	50	rVB	147379	132817	5.20%	0.944%
2	1.319	62	71	80	rBV2	560507	584930	22.89%	4.157%
3	1.489	112	124	145	rBV	109324	351119	13.74%	2.496%
4	1.579	147	152	162	rVV	78334	109078	4.27%	0.775%
5	1.647	164	173	192	rVB	1203484	1525118	59.68%	10.840%
6	1.820	221	227	239	rVB2	33657	46702	1.83%	0.332%
7	2.126	312	322	338	rBV	128710	225813	8.84%	1.605%
8	2.515	429	443	458	rBV4	90469	245079	9.59%	1.742%
9	2.595	458	468	489	rVB	334778	620142	24.27%	4.408%
10	2.788	511	528	550	rBV	1207619	2555633	100.00%	18.164%
11	3.212	648	660	676	rBV2	15396	35670	1.40%	0.254%
12	3.791	824	840	854	rBV4	88566	216703	8.48%	1.540%
13	3.936	872	885	909	rVB3	88218	269360	10.54%	1.915%
14	4.380	1007	1023	1040	rBV2	107604	275631	10.79%	1.959%
15	4.708	1107	1125	1140	rBV3	65106	168483	6.59%	1.198%
16	5.074	1220	1239	1248	rBV2	231573	564015	22.07%	4.009%
17	5.126	1248	1255	1271	rVB	199085	423402	16.57%	3.009%
18	5.248	1285	1293	1313	rVB8	23217	62591	2.45%	0.445%
19	5.643	1403	1416	1436	rBV	212270	439032	17.18%	3.120%
20	5.952	1499	1512	1526	rBV	19911	56569	2.21%	0.402%
21	6.097	1544	1557	1574	rBV2	134391	283142	11.08%	2.012%
22	6.827	1773	1784	1798	rVB	50516	91184	3.57%	0.648%
23	7.013	1831	1842	1852	rBV	70586	131565	5.15%	0.935%
24	7.338	1929	1943	1959	rBV	275405	482380	18.88%	3.429%
25	7.643	2032	2038	2054	rVB2	39375	68268	2.67%	0.485%
26	7.862	2097	2106	2118	rBV2	30287	52856	2.07%	0.376%
27	8.109	2172	2183	2211	rBV2	289960	549439	21.50%	3.905%
28	8.238	2212	2223	2249	rVV	197934	367795	14.39%	2.614%
29	8.875	2410	2421	2430	rBV	316149	510998	19.99%	3.632%
30	8.920	2430	2435	2451	rVB3	51924	89327	3.50%	0.635%
31	9.283	2525	2548	2577	rBV	476529	846706	33.13%	6.018%
32	9.486	2595	2611	2616	rBV9	17364	35996	1.41%	0.256%
33	9.740	2680	2690	2703	rBV3	47991	83707	3.28%	0.595%
34	9.826	2704	2717	2728	rVV6	45329	103238	4.04%	0.734%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

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\SOMVTR061720WMA.M
Title : TRACE VOA SOM01.0

35	9.884	2728	2735	2748	rVV5	27695	50021	1.96%	0.356%
36	10.241	2835	2846	2861	rVB3	136907	241339	9.44%	1.715%
37	10.868	3028	3041	3053	rBV8	39689	78418	3.07%	0.557%
38	11.270	3155	3166	3188	rVB	346500	543390	21.26%	3.862%
39	11.553	3246	3254	3269	rBV8	15100	29676	1.16%	0.211%
40	11.646	3271	3283	3298	rVV	297373	483524	18.92%	3.437%
41	14.855	4270	4281	4292	rVB4	19354	38584	1.51%	0.274%

Sum of corrected areas: 14069440

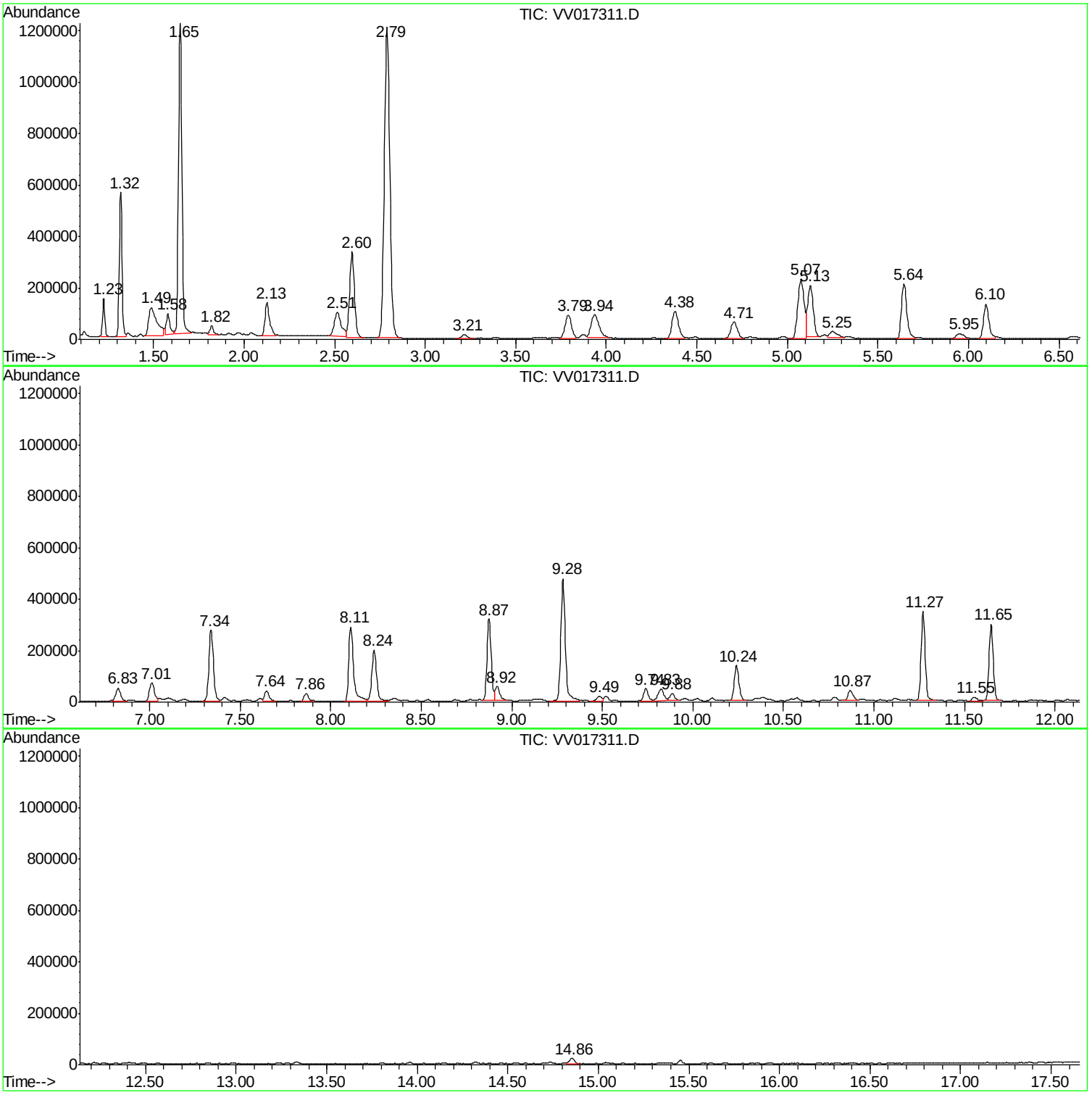
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

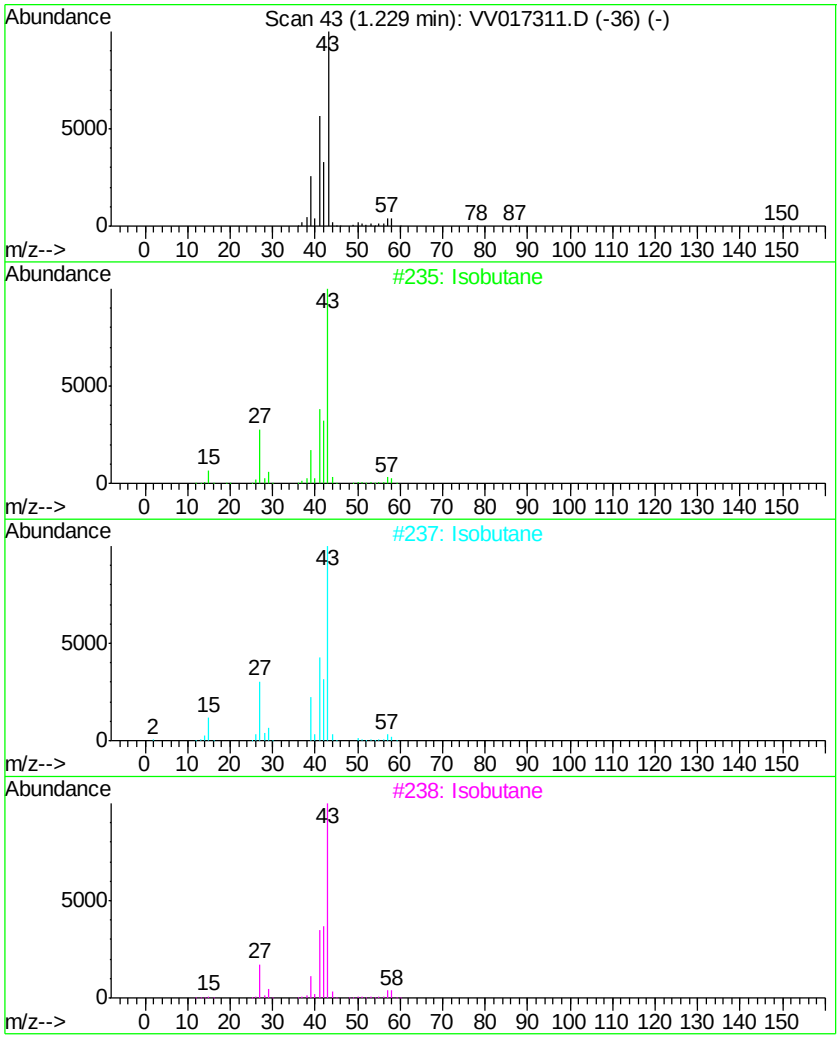
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

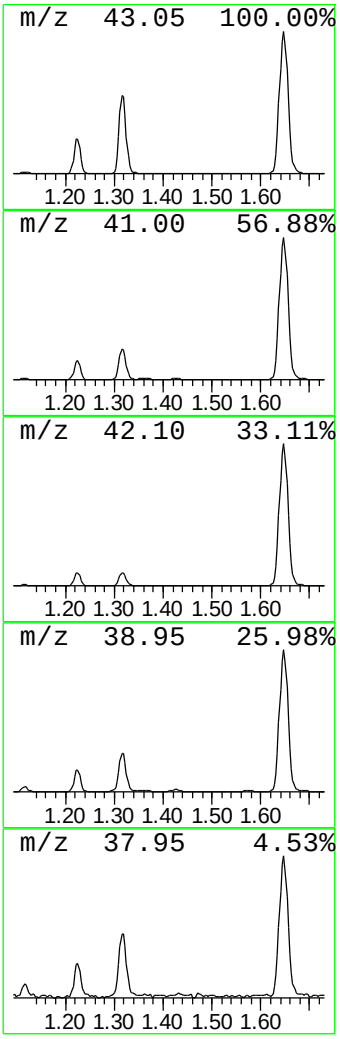
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.23	1.51 ug/L	132817	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	23
3	Isobutane	58	C4H10	000075-28-5	9
4	Isobutane	58	C4H10	000075-28-5	9
5	Borane, trimethyl-	56	C3H9B	000593-90-8	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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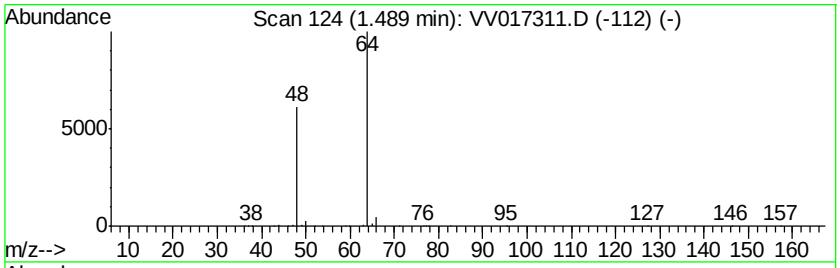
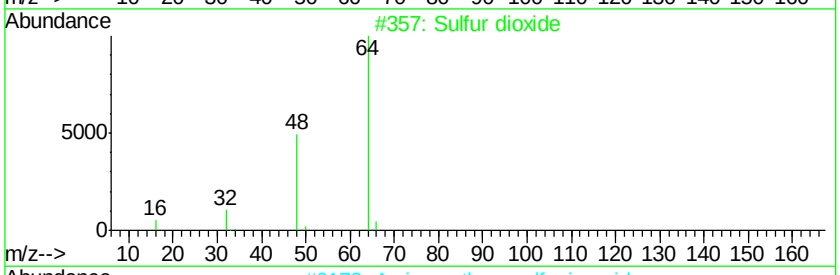
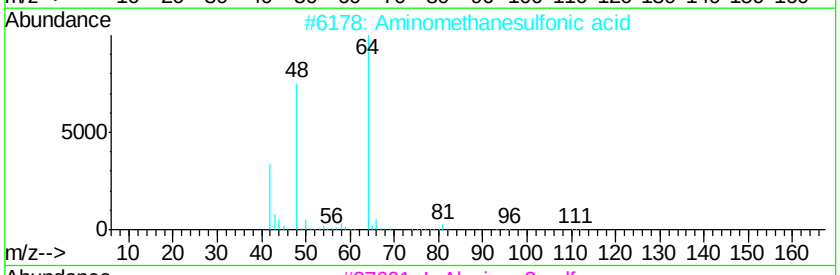
Peak Number 2 Sulfur dioxide Concentration Rank 4

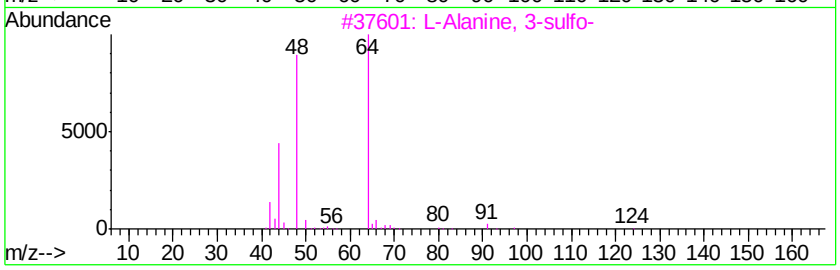
R.T.	EstConc	Area	Relative to ISTD	R.T.
1.49	4.00 ug/L	351119	1,4-Difluorobenzene	5.64

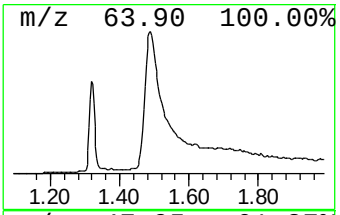
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9

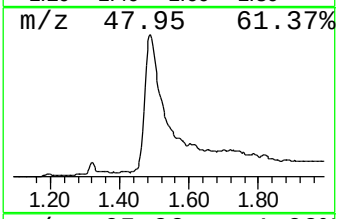


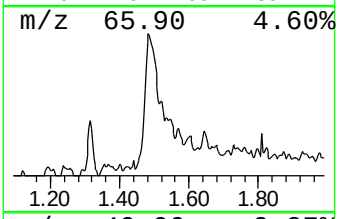


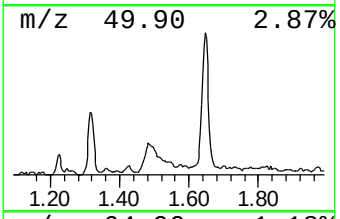


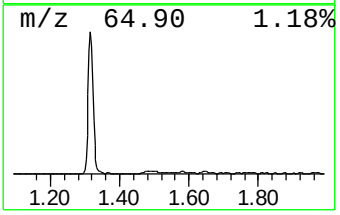












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

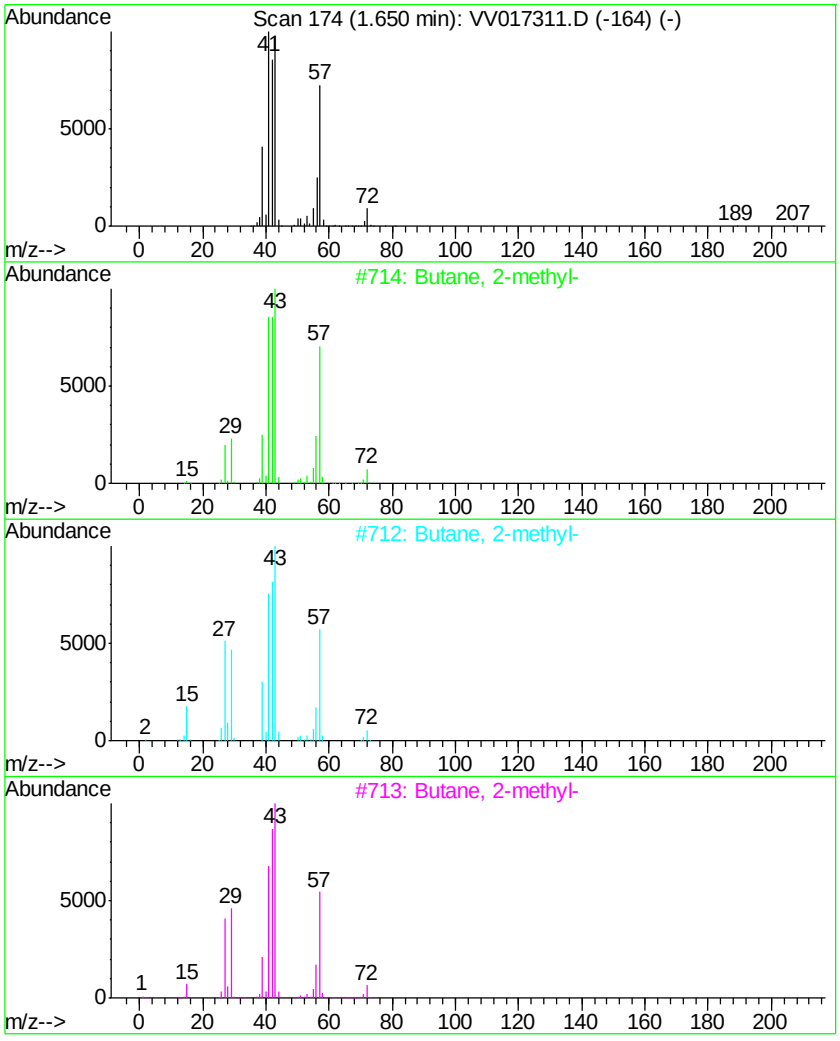
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

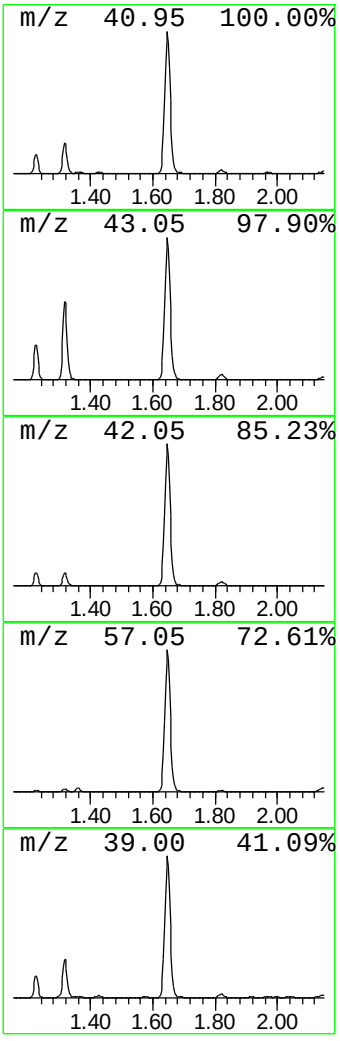
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	17.37 ug/L	1525120	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	81
2	Butane, 2-methyl-	72	C5H12	000078-78-4	64
3	Butane, 2-methyl-	72	C5H12	000078-78-4	58
4	3-Buten-1-ol	72	C4H8O	000627-27-0	38
5	3-Buten-1-ol	72	C4H8O	000627-27-0	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

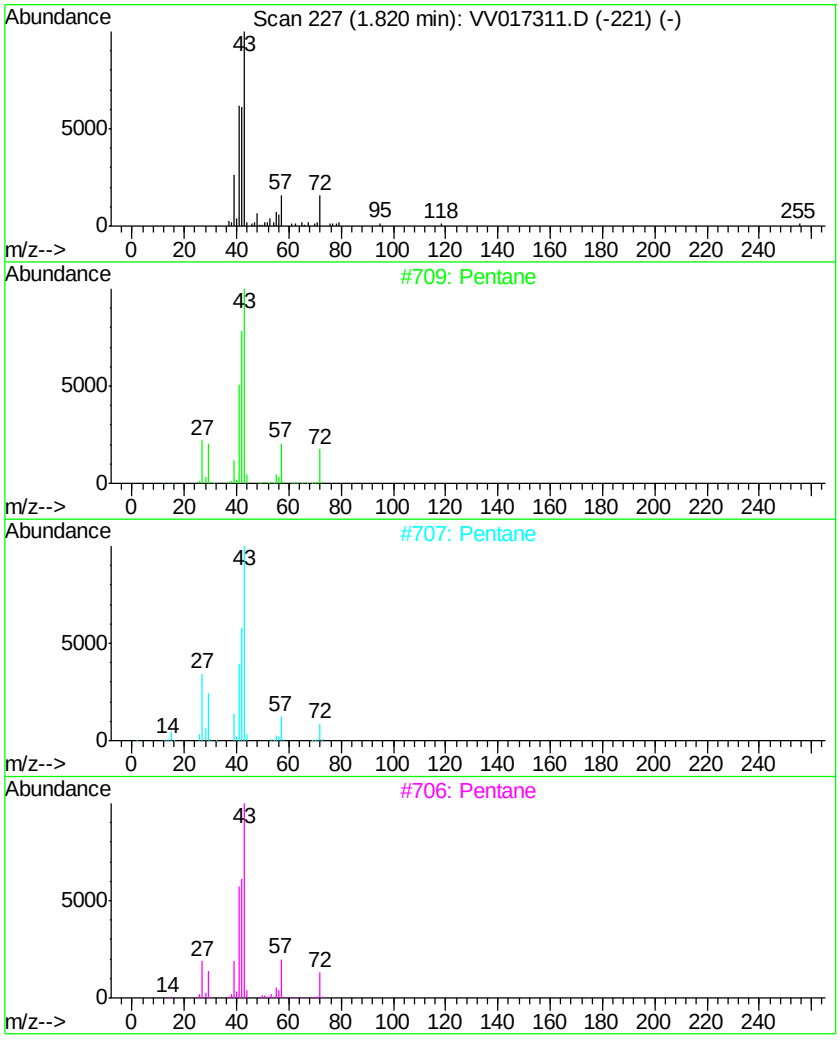
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

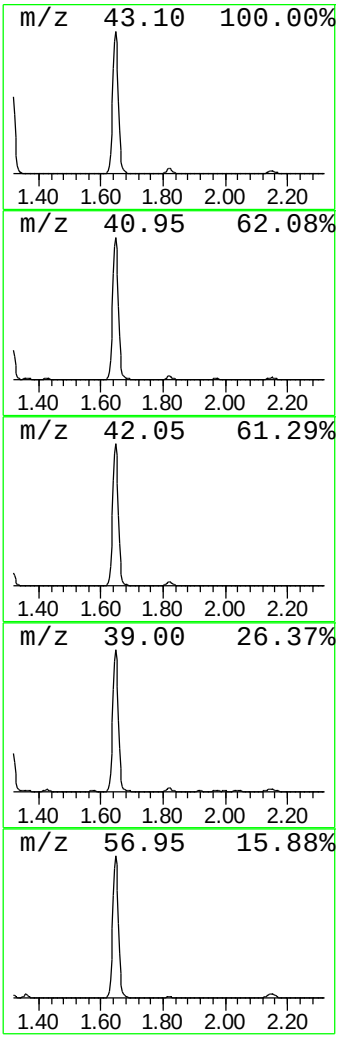
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	0.53 ug/L	46702	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	64
2	Pentane	72	C5H12	000109-66-0	64
3	Pentane	72	C5H12	000109-66-0	58
4	Pentane	72	C5H12	000109-66-0	53
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
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Operator : SY/MD
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Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

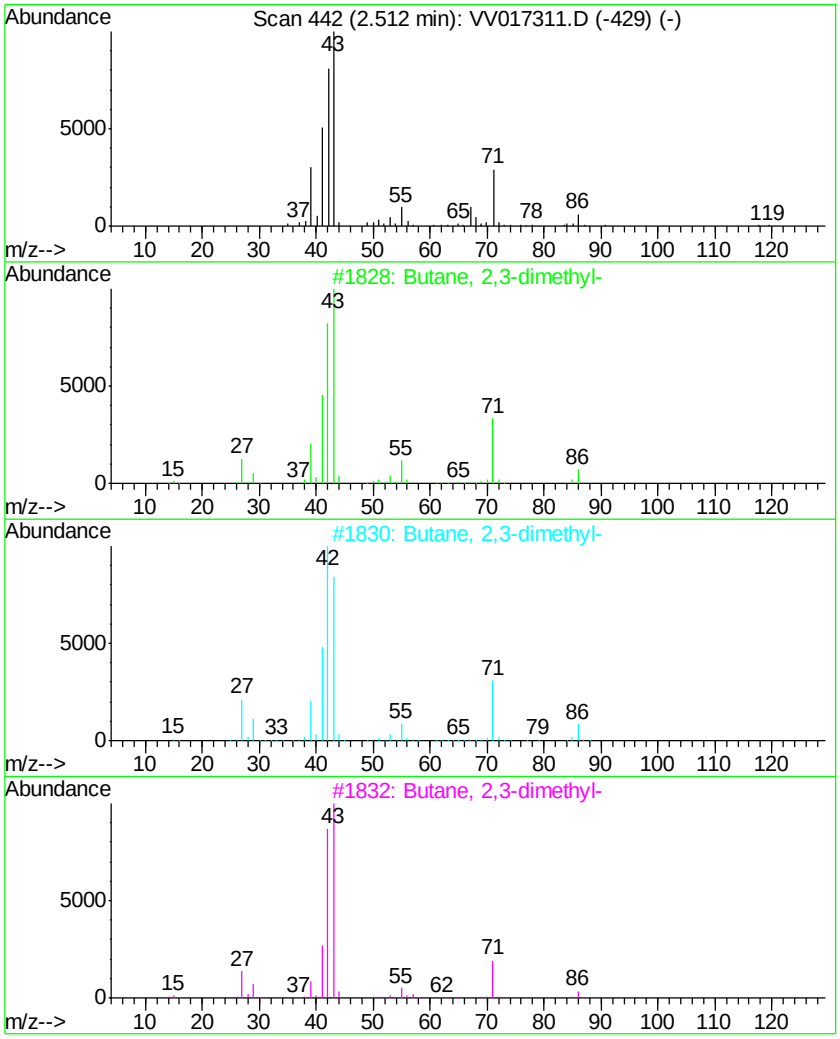
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

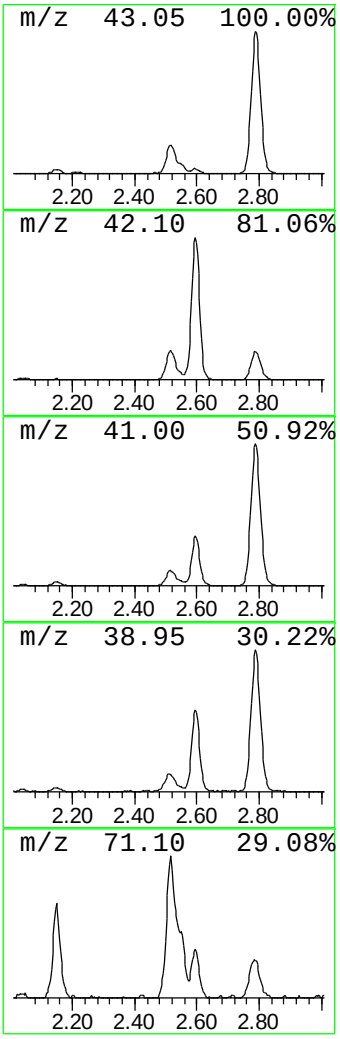
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.51	2.79 ug/L	245079	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
4	1,2,3-Trimethyldiaziridine	86	C4H10N2	113604-56-1	45
5	1H-1,2,3,4-Tetrazol-5-amine, 1-m...	99	C2H5N5	1000338-04-0	36





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Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

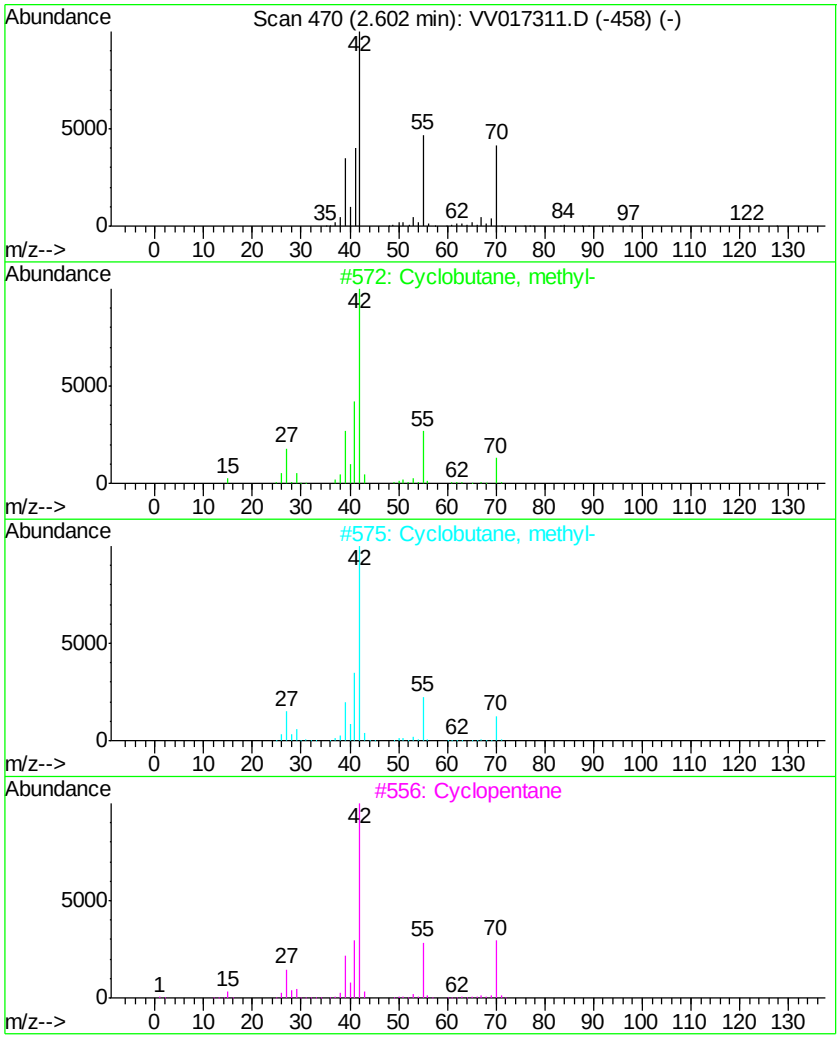
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

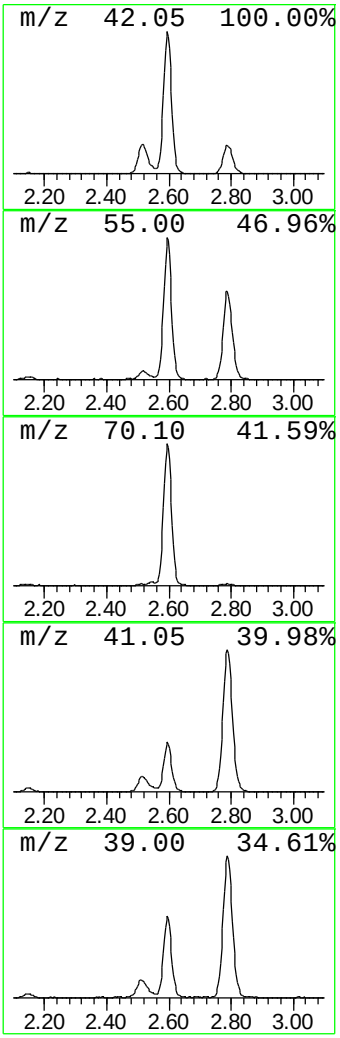
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	7.06 ug/L	620142	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	86
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
3	Cyclopentane	70	C5H10	000287-92-3	78
4	1-Pentene	70	C5H10	000109-67-1	72
5	1-Pentene	70	C5H10	000109-67-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

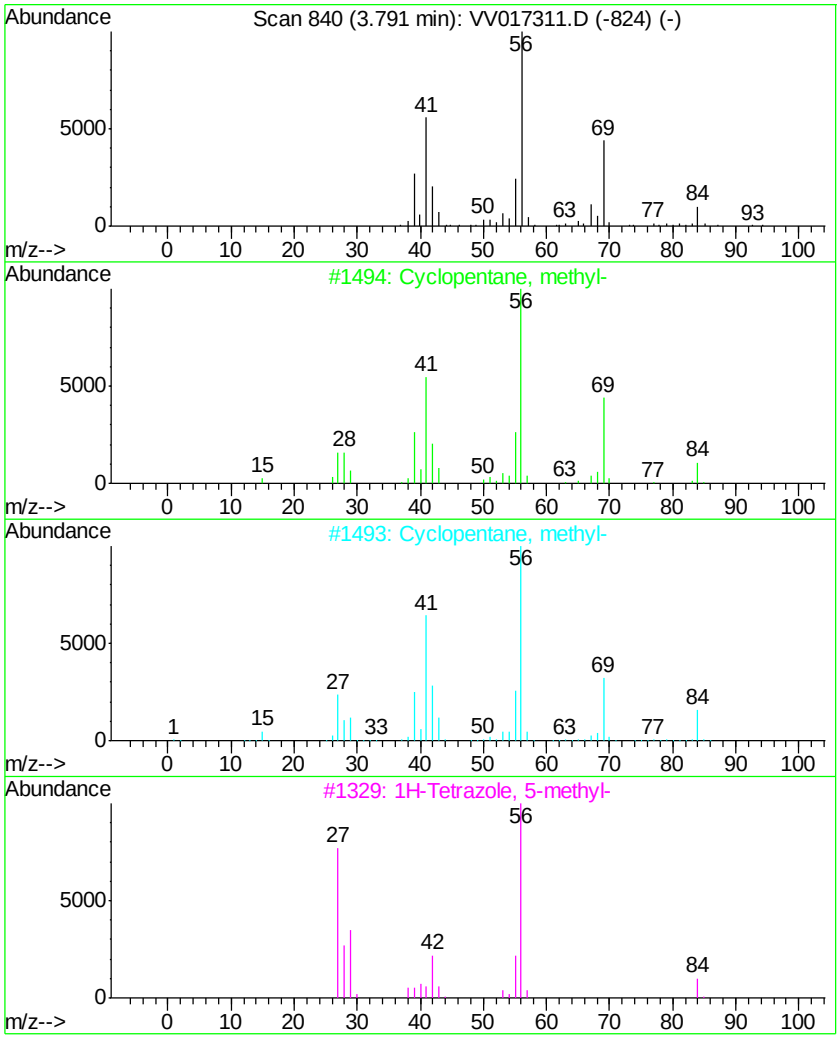
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

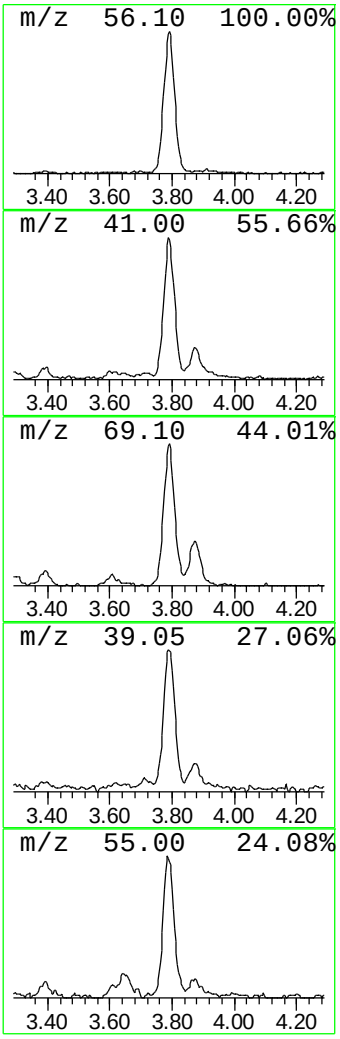
****

Peak Number 7 (DEL) Alkane: Cyclic3.79 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	2.47 ug/L	216703	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

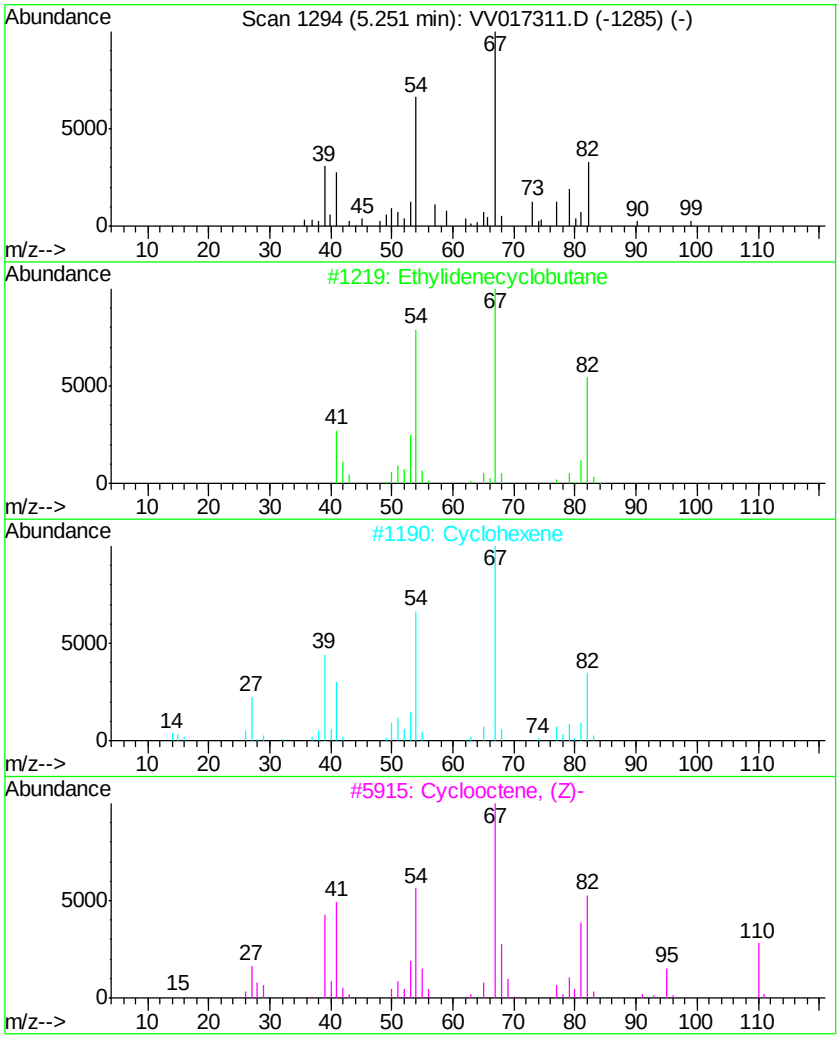
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

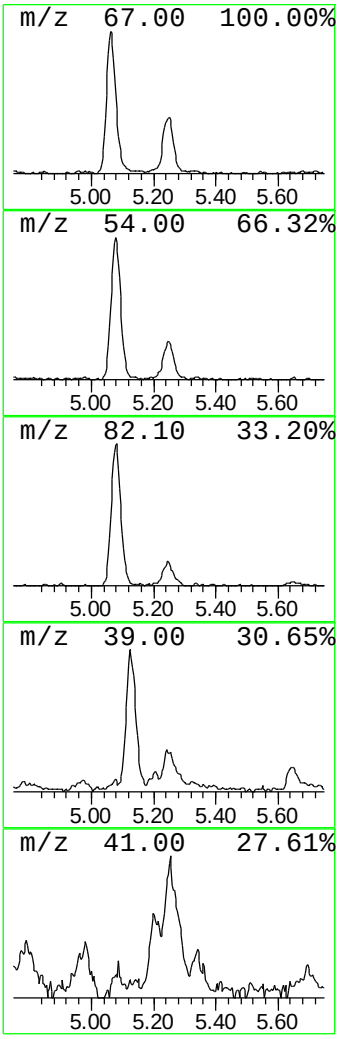
****

Peak Number 8 Ethylidenecyclobutane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	0.71 ug/L	62591	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylidenecyclobutane	82	C6H10	001528-21-8	81
2	Cyclohexene	82	C6H10	000110-83-8	76
3	Cyclooctene, (Z)-	110	C8H14	000931-87-3	72
4	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	64
5	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	64





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Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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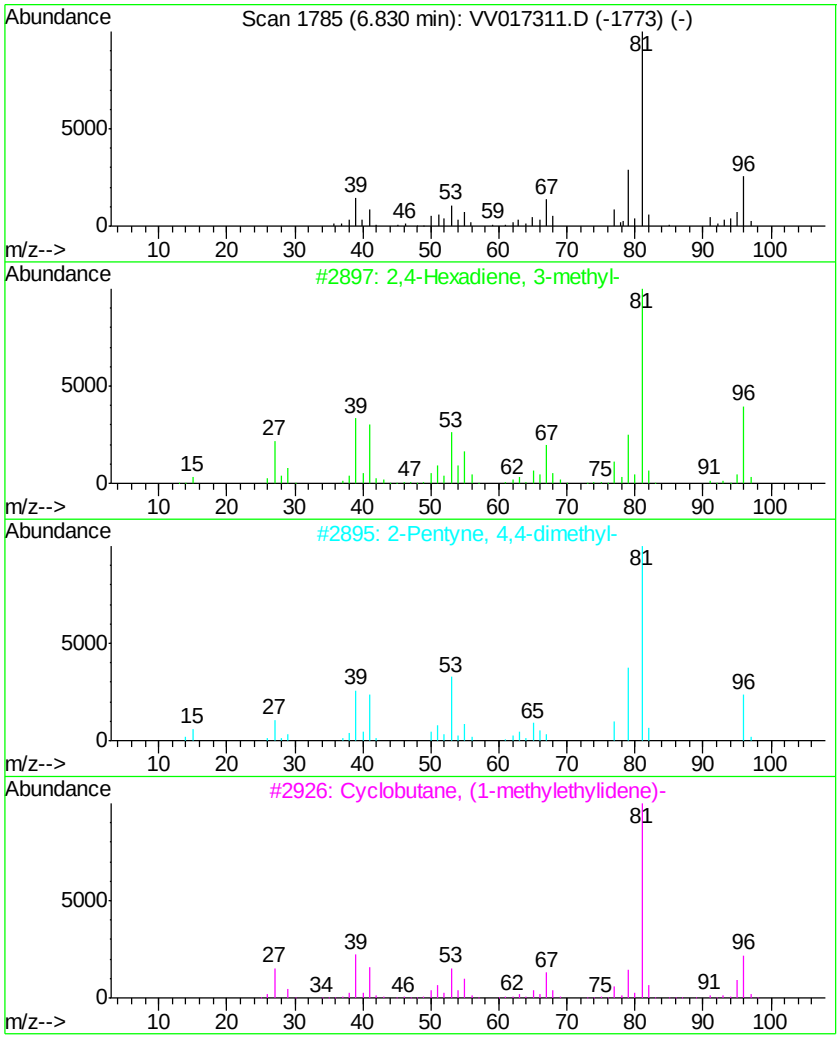
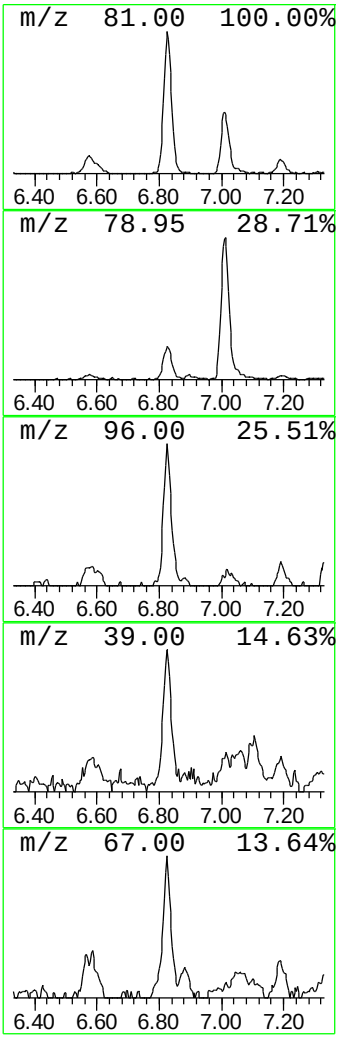
Peak Number 9 2,4-Hexadiene, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	1.04 ug/L	91184	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	81
2	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	80
3	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	80
4	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	80
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	80





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Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

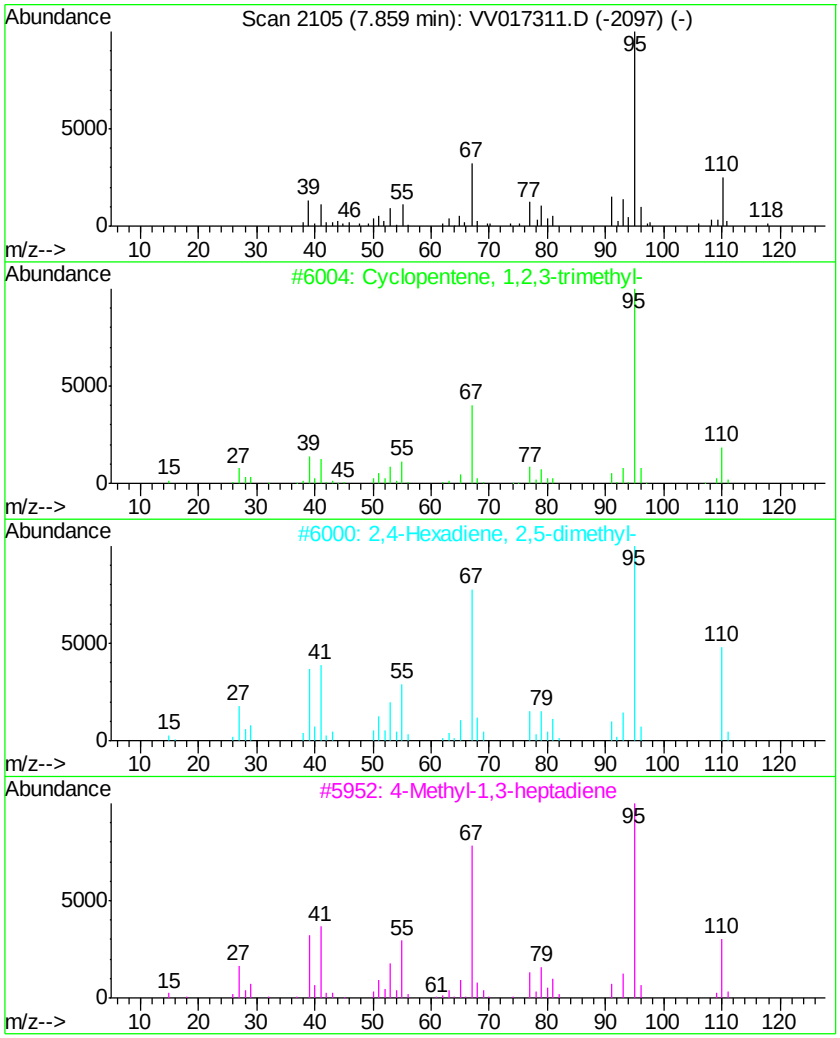
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

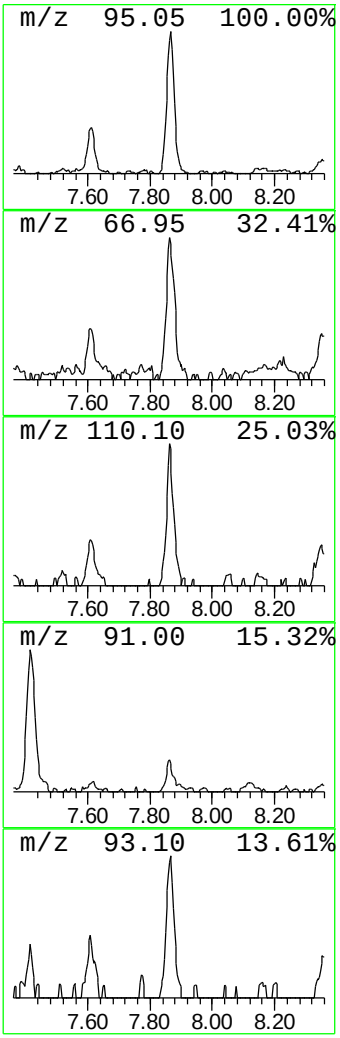
****

Peak Number 11 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	0.52 ug/L	52856	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	91
2	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	90
3	4-Methyl-1,3-heptadiene	110	C8H14	017603-57-5	90
4	1,3-Hexadiene, 2,5-dimethyl-	110	C8H14	029253-64-3	87
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

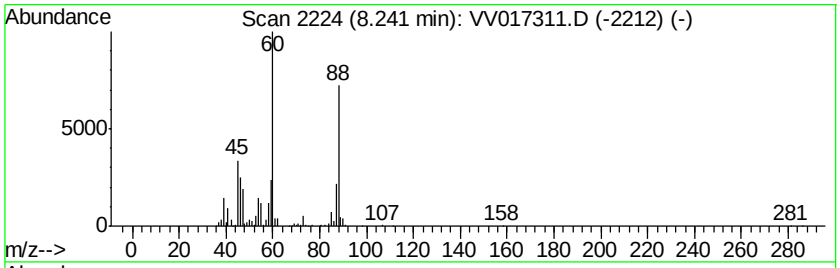
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

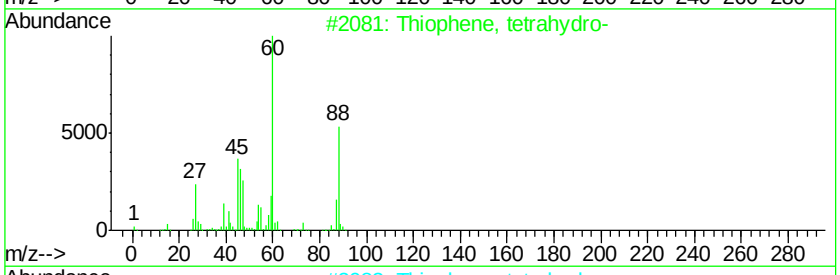
****

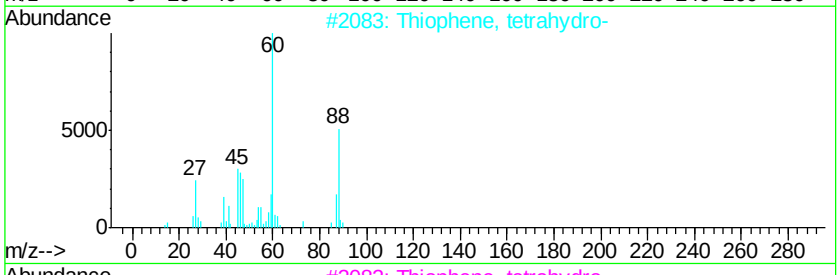
Peak Number 12 Thiophene, tetrahydro- Concentration Rank 5

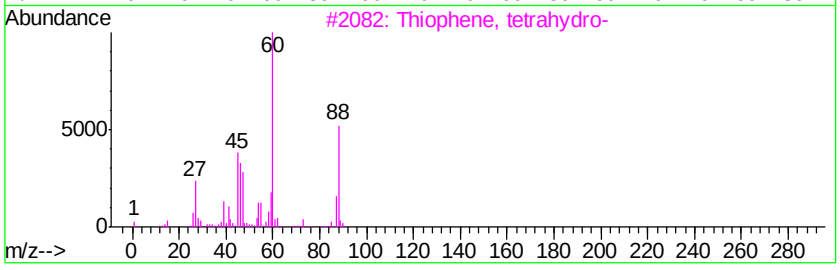
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	3.60 ug/L	367795	Chlorobenzene-d5	8.87

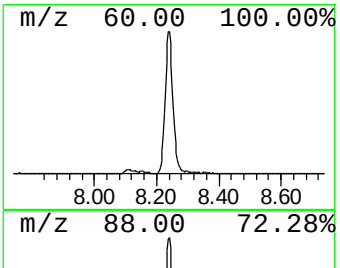
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	94
2	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	91
3	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	90
4	Thietane, 2-methyl-	88	C4H8S	017837-41-1	74
5	Ethylvinyl sulfide	88	C4H8S	000627-50-9	38

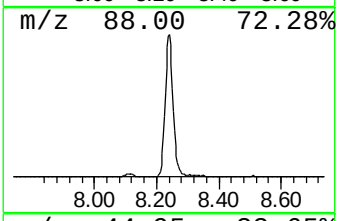


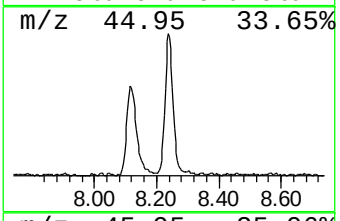


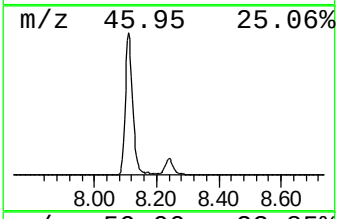


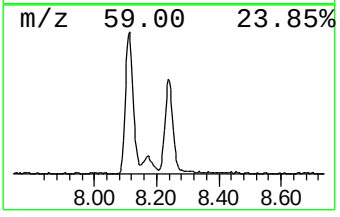












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

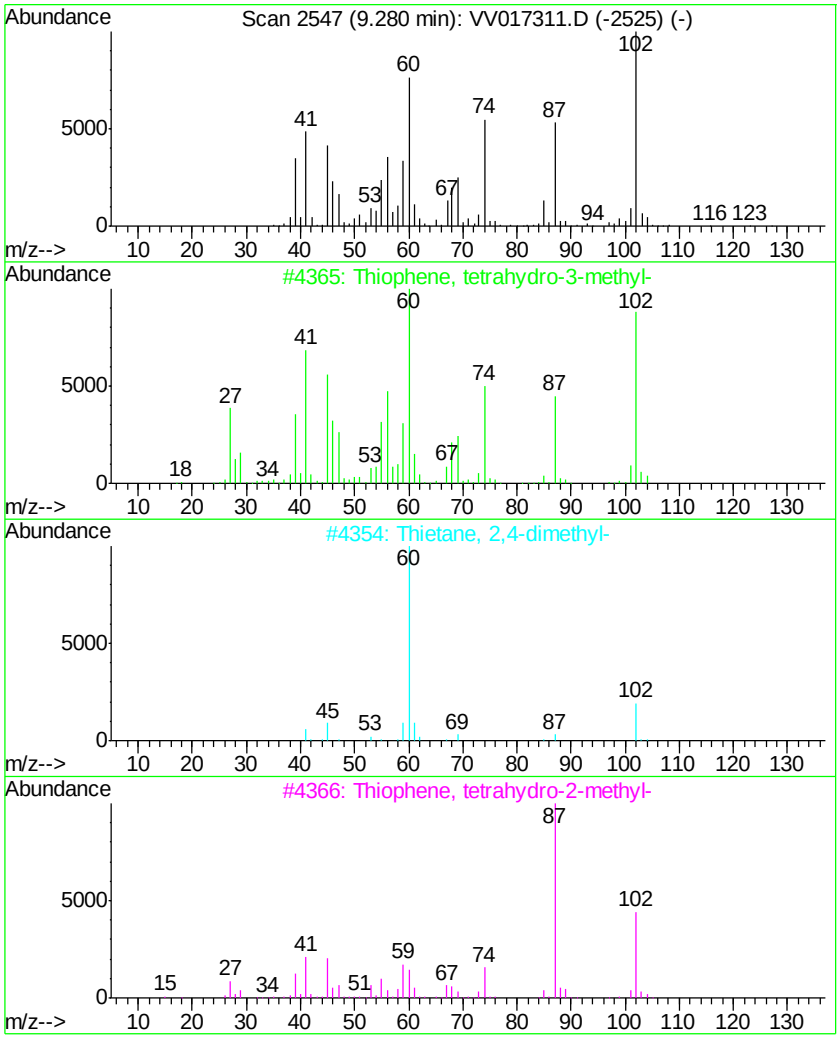
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

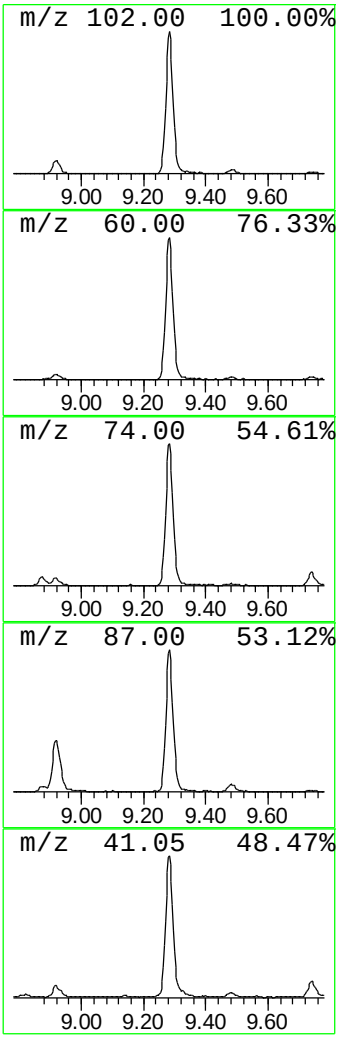
****

Peak Number 13 Thiophene, tetrahydro-3-met... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	8.28 ug/L	846706	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	96
2	Thietane, 2,4-dimethyl-	102	C5H10S	043044-24-2	47
3	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	46
4	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	43
5	1-Butene, 1-(methylthio)-, (Z)-	102	C5H10S	017414-15-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017311.D
Acq On : 02 Jul 2020 15:18
Operator : SY/MD
Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

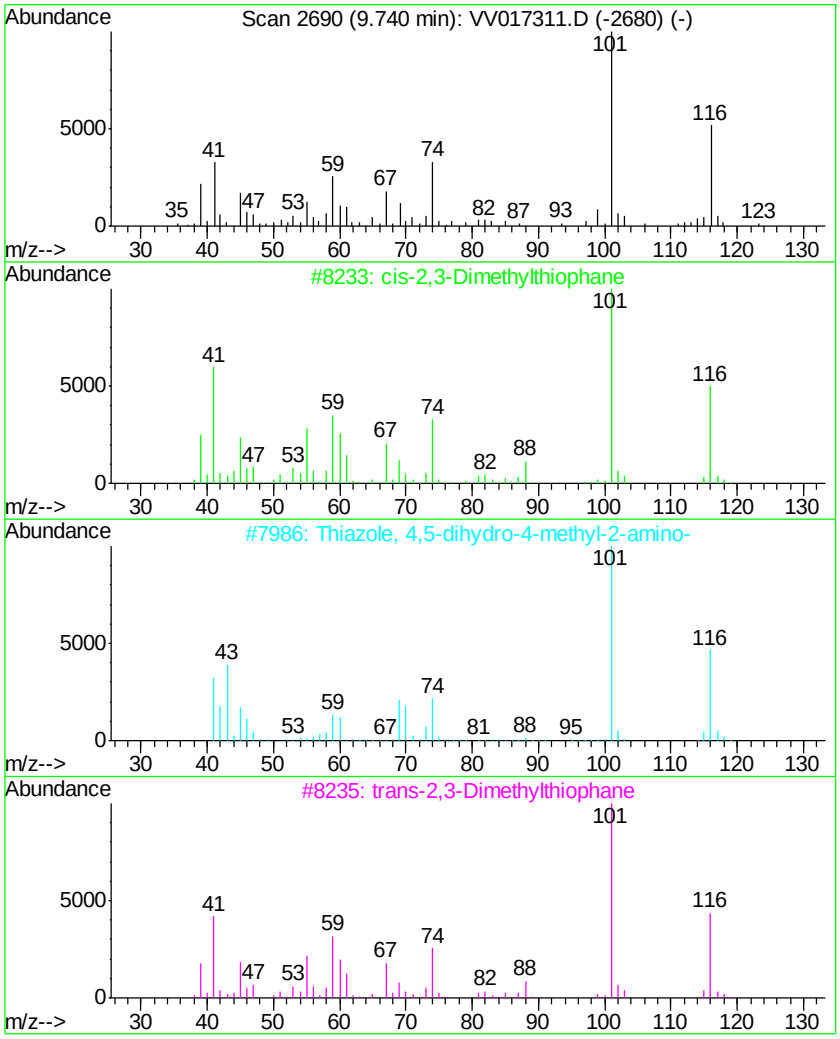
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

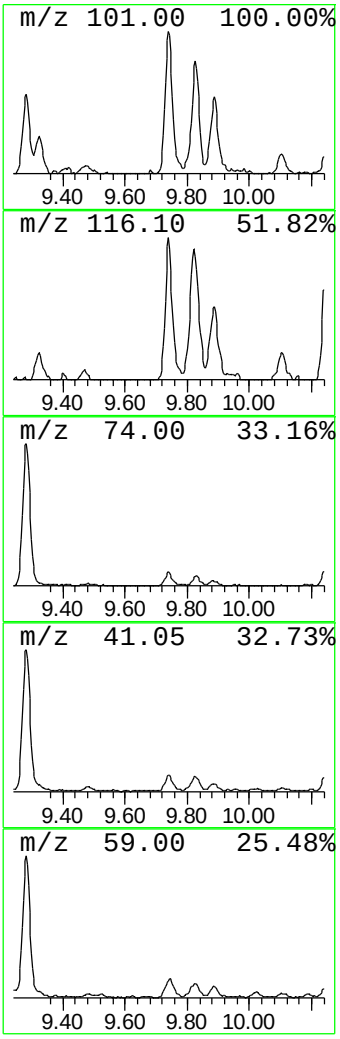
****

Peak Number 14 cis-2,3-Dimethylthiophane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	0.82 ug/L	83707	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	93
2	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	80
3	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	74
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	72
5	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	64





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Operator : SY/MD
Sample : L3154-08
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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

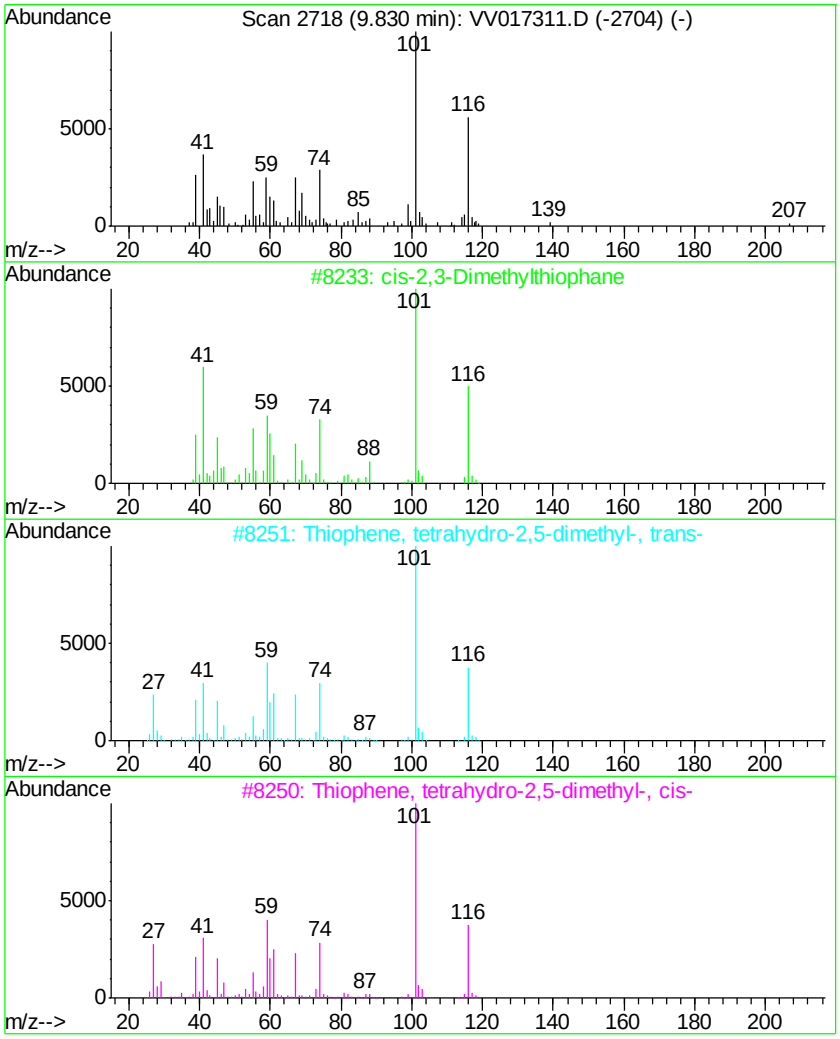
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

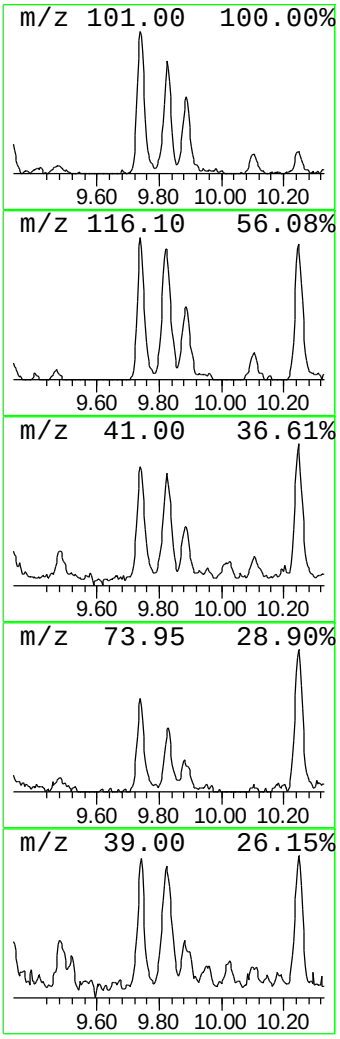
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Thiophene, tetrahydro-2,5-d... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	1.01 ug/L	103238	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	91
2	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	90
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	90
4	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	74
5	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	72





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Sample : L3154-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4295

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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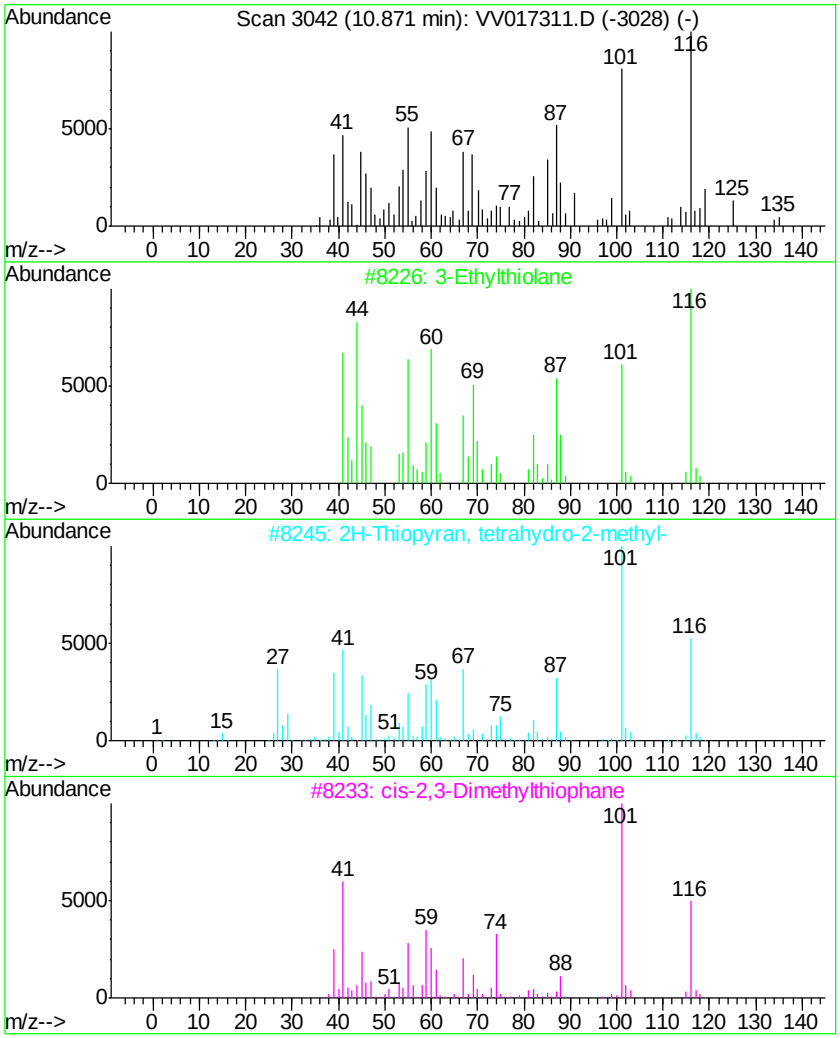
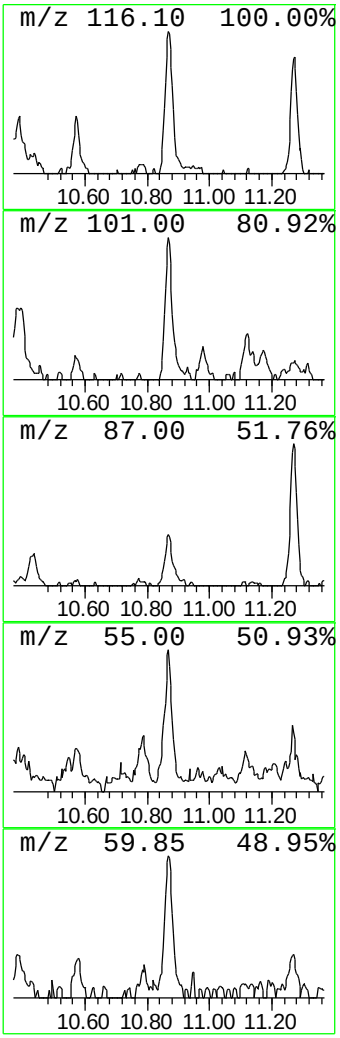
Peak Number 16 3-Ethylthiolane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	0.72 ug/L	78418	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethylthiolane	116	C6H12S	062184-67-2	76
2	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	47
3	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	38
4	N,N'-(1,2-Propylene)-thiourea	116	C4H8N2S	002122-19-2	38
5	3-Ethylthiane	130	C7H14S	061568-48-7	38





Tentatively Identified Compound (LSC) summary

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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.23	1.5	ug/L	132817	1	5.64	439032	5.0
Sulfur dioxide	1.49	4.0	ug/L	351119	1	5.64	439032	5.0
(DEL) Alkane: Str...	1.65	17.4	ug/L	1525120	1	5.64	439032	5.0
(DEL) Alkane: Str...	1.82	0.5	ug/L	46702	1	5.64	439032	5.0
(DEL) Alkane: Str...	2.51	2.8	ug/L	245079	1	5.64	439032	5.0
(DEL) Alkane: Str...	2.60	7.1	ug/L	620142	1	5.64	439032	5.0
(DEL) Alkane: Cyc...	3.79	2.5	ug/L	216703	1	5.64	439032	5.0
Ethylidenecyclobu...	5.25	0.7	ug/L	62591	1	5.64	439032	5.0
2,4-Hexadiene, 3-...	6.83	1.0	ug/L	91184	1	5.64	439032	5.0
Cyclopentene, 1,2...	7.86	0.5	ug/L	52856	2	8.87	510998	5.0
Thiophene, tetrah...	8.24	3.6	ug/L	367795	2	8.87	510998	5.0
Thiophene, tetrah...	9.28	8.3	ug/L	846706	2	8.87	510998	5.0
cis-2,3-Dimethylt...	9.74	0.8	ug/L	83707	2	8.87	510998	5.0
Thiophene, tetrah...	9.83	1.0	ug/L	103238	2	8.87	510998	5.0
3-Ethylthiolane	10.87	0.7	ug/L	78418	3	11.27	543390	5.0