LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071718\
Data File : VV006621.D
Acq On : 17 Jul 2018 17:15
Operator : SY/MD
Sample : J3983-10
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB180

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\SOMVTR071718WMA.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	1.029	25	43	59	rBV	4453509	5785441	100.00%	29.755%
2	1.093	59	63	68	rBV	155630	151430	2.62%	0.779%
3	1.225	101	104	118	rVB2	75555	70265	1.21%	0.361%
4	1.321	127	134	176	rVB2	1311092	1932751	33.41%	9.940%
5	1.479	177	183	193	rBV	272607	335757	5.80%	1.727%
6	1.585	211	216	268	rVB	163774	369024	6.38%	1.898%
7	2.054	353	362	376	rBV	529718	720476	12.45%	3.705%
8	2.128	377	385	399	rVB	274286	381302	6.59%	1.961%
9	2.231	409	417	437	rVB	163243	248164	4.29%	1.276%
10	2.791	579	591	617	rVB	871950	1455193	25.15%	7.484%
11	3.980	943	961	1013	rBV	93050	364692	6.30%	1.876%
12	4.405	1075	1093	1116	rBV	165193	391213	6.76%	2.012%
13	5.099	1291	1309	1341	rBV2	420088	954738	16.50%	4.910%
14	5.668	1471	1486	1506	rBV	346442	666142	11.51%	3.426%
15	6.122	1608	1627	1649	rBV	223749	447200	7.73%	2.300%
16	7.035	1896	1911	1930	rBV	106478	187931	3.25%	0.967%
17	7.363	1999	2013	2027	rBV	486712	824146	14.25%	4.239%
18	7.668	2097	2108	2123	rBV	63463	104496	1.81%	0.537%
19	8.144	2243	2256	2292	rBV	476830	845109	14.61%	4.346%
20	8.900	2474	2491	2517	rBV	493125	793005	13.71%	4.078%
21	10.269	2903	2917	2931	rBV	151843	241696	4.18%	1.243%
22	11.302	3226	3238	3257	rBV	477805	743425	12.85%	3.823%
23	11.678	3342	3355	3377	rBV	438640	682367	11.79%	3.509%
24	16.372	4803	4815	4832	rBV	504114	747636	12.92%	3.845%

Sum of corrected areas: 19443599

LSC Report - Integrated Chromatogram

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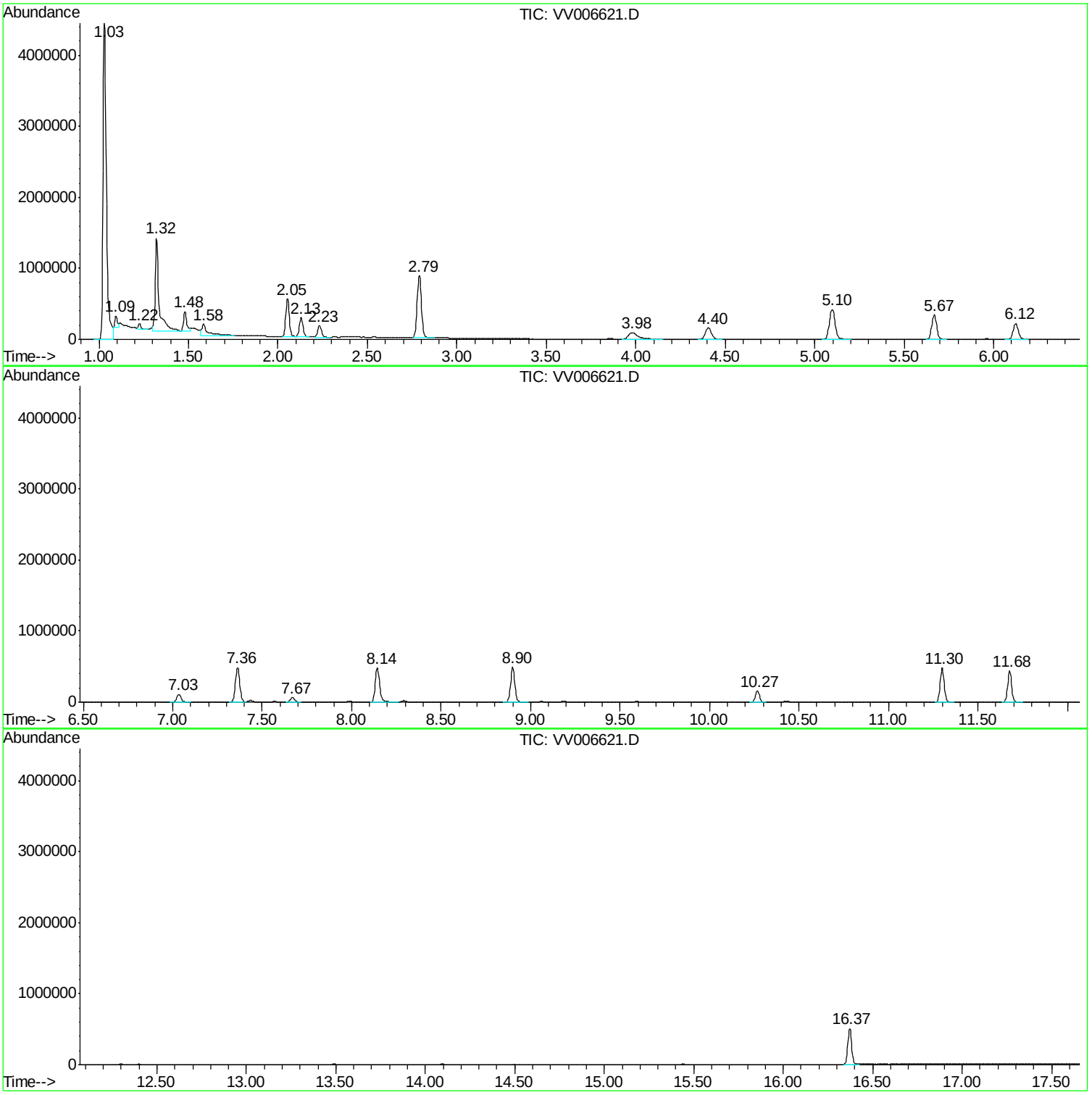
Instrument : MSVOA_V
ClientSampleId : DB180

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

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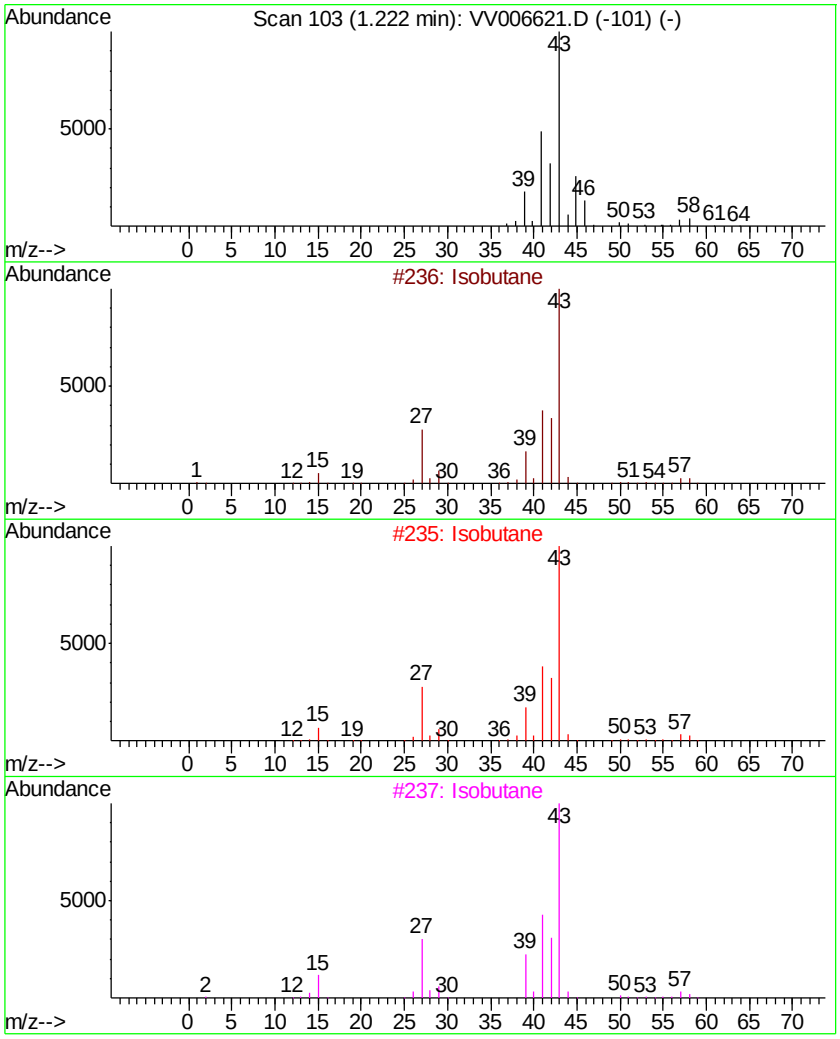
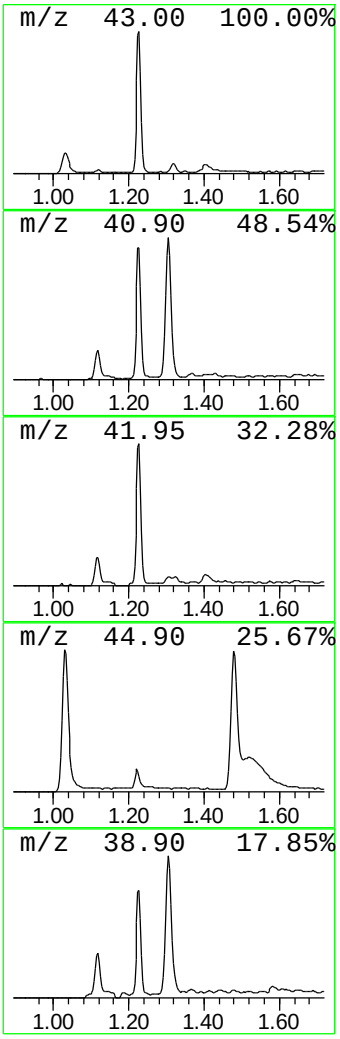
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	0.53 ug/L	70265	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	59
4	Isobutane	58	C4H10	000075-28-5	53
5	Cyclobutylamine	71	C4H9N	002516-34-9	9





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Instrument : MSVOA_V
ClientSampleId : DB180

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Quant Title : TRACE VOA SOM01.0

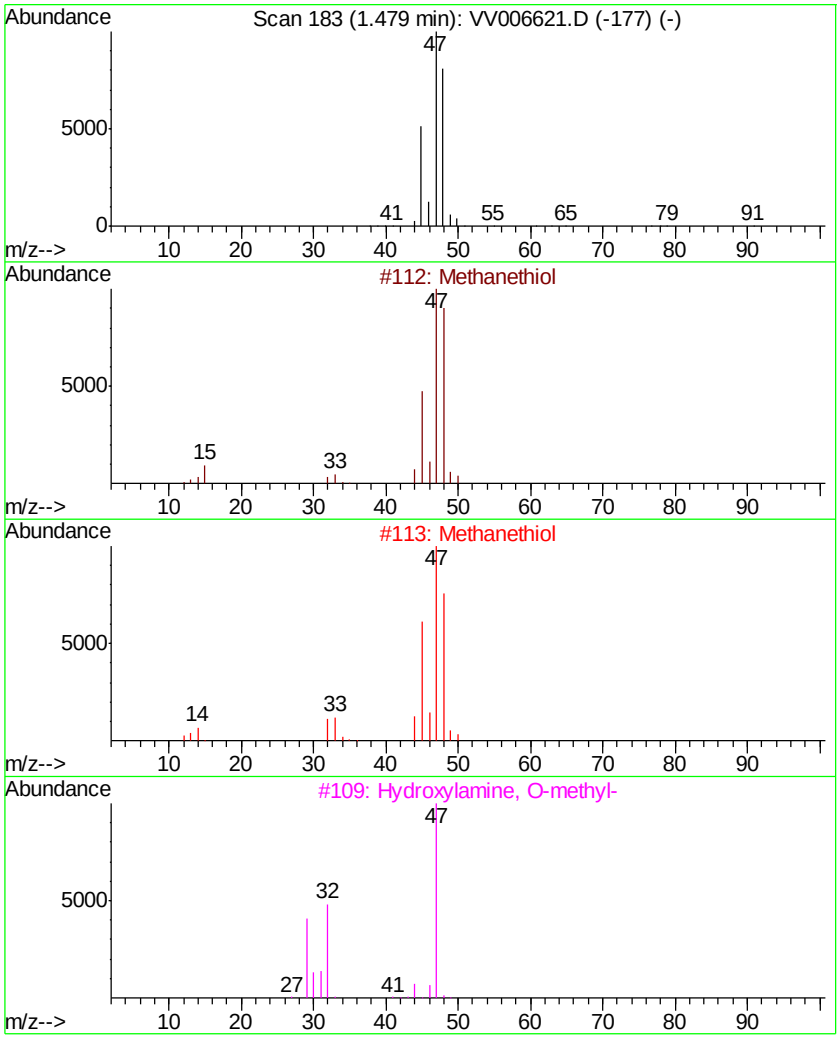
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

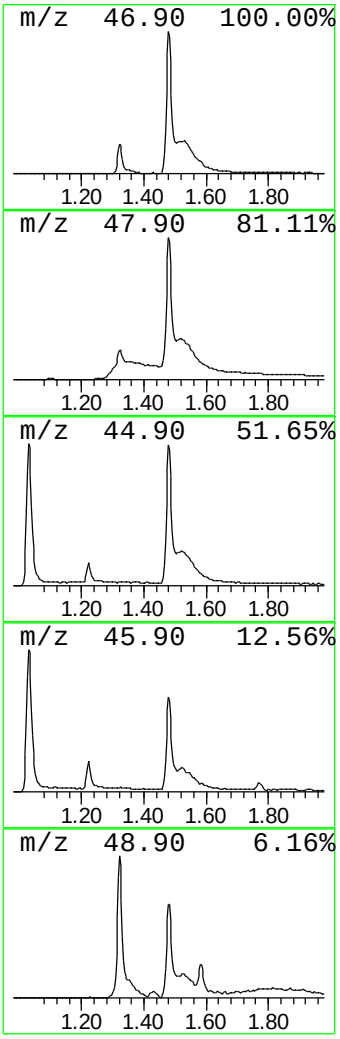
****

Peak Number 4 Methanethiol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	2.52 ug/L	335757	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	90
2	Methanethiol	48	CH4S	000074-93-1	90
3	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	4
4	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	4
5	Ethane, fluoro-	48	C2H5F	000353-36-6	4





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Instrument : MSVOA_V
ClientSampleId : DB180

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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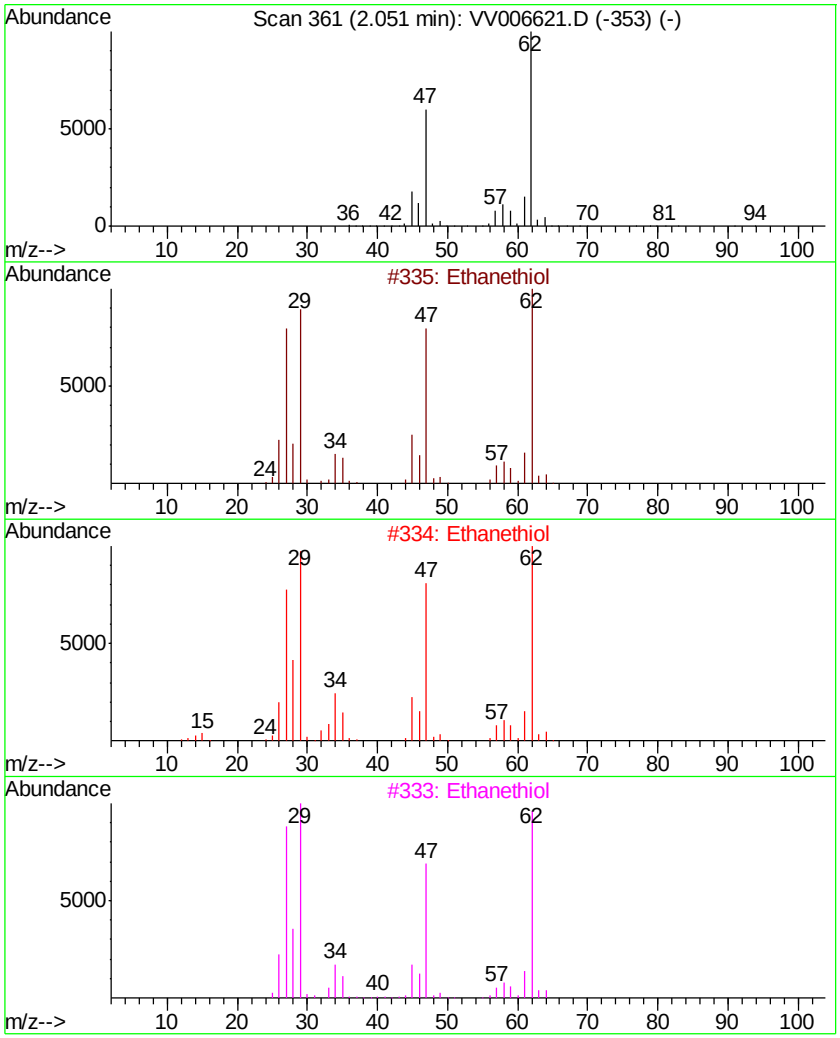
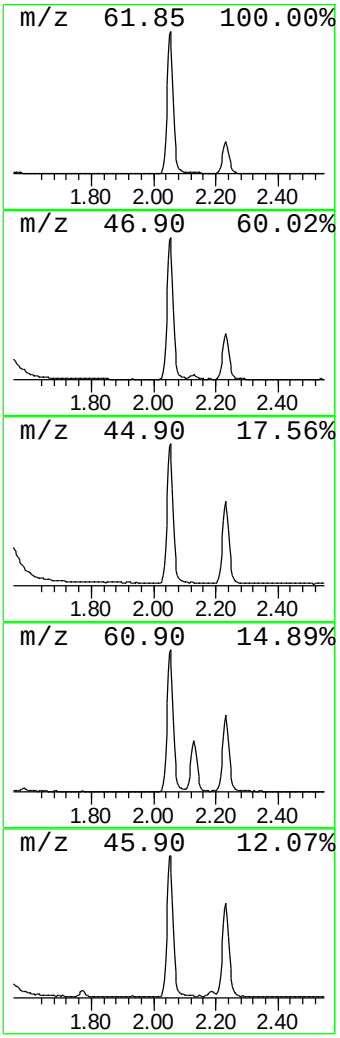
Peak Number 5 Ethanethiol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	5.41 ug/L	720476	1,4-Difluorobenzene	5.67

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





Library Search Compound Report

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Instrument : MSVOA_V
ClientSampleId : DB180

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
Quant Title : TRACE VOA SOM01.0

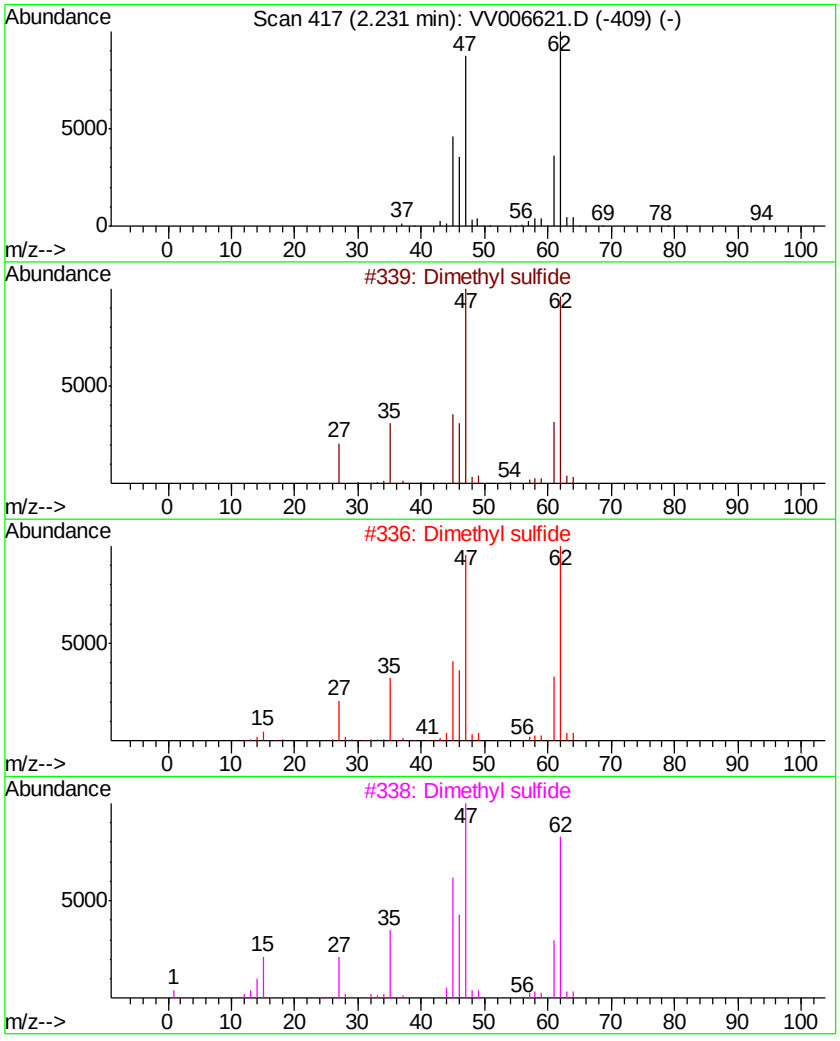
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

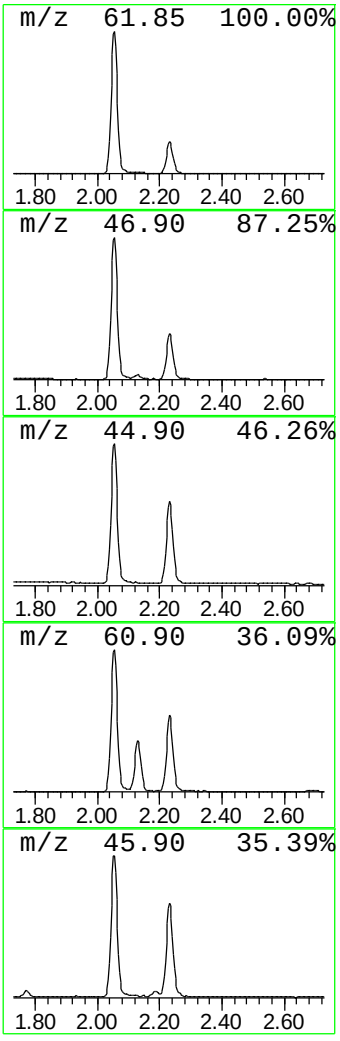
****

Peak Number 6 Dimethyl sulfide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	1.86 ug/L	248164	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	95
2	Dimethyl sulfide	62	C2H6S	000075-18-3	91
3	Dimethyl sulfide	62	C2H6S	000075-18-3	91
4	Dimethyl sulfide	62	C2H6S	000075-18-3	91
5	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	90





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ClientSampleId : DB180

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
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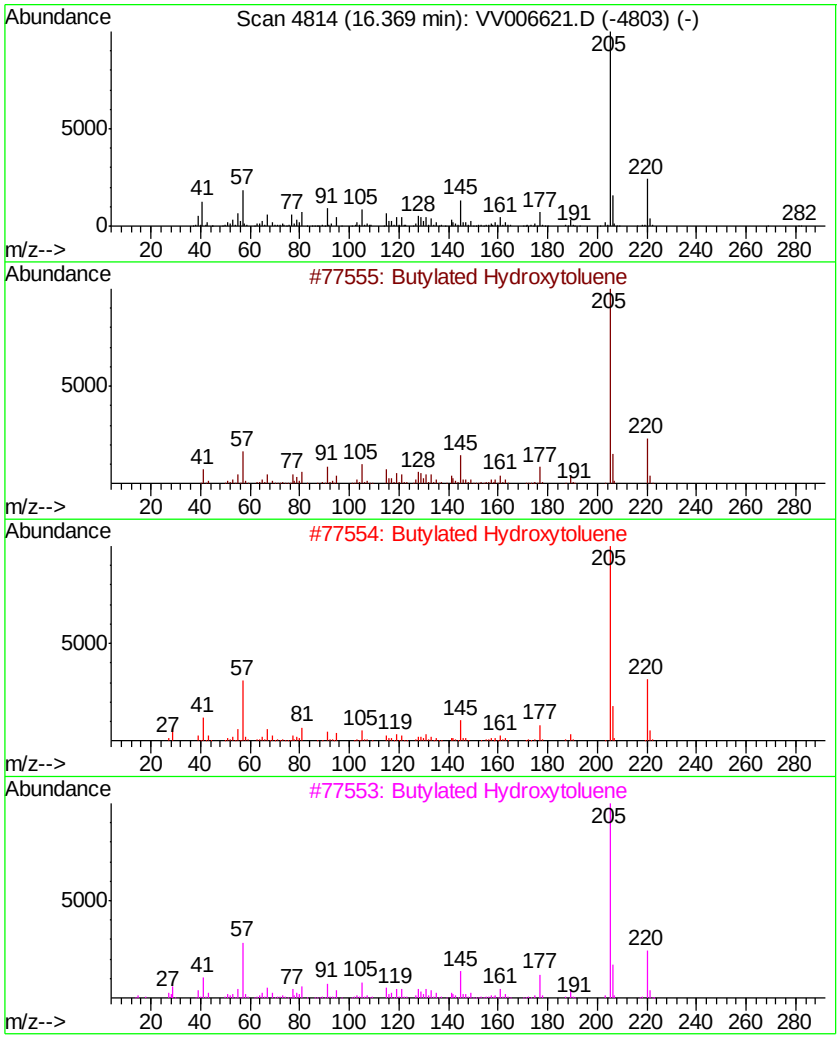
TIC Integration Parameters: LSCINT.P

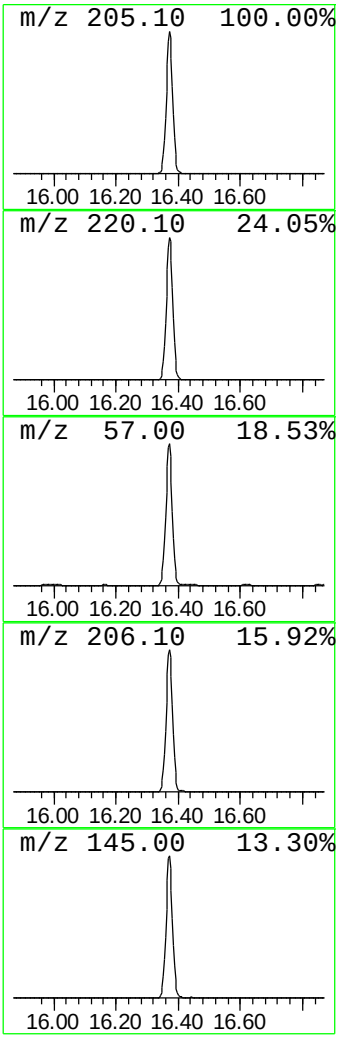
****

Peak Number 8 Butylated Hydroxytoluene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	5.03 ug/L	747636	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	99
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	96
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	95
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	94
5	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	93





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...	1.22	0.5	ug/L	70265	1	5.67	666142	5.0
Methanethiol	1.48	2.5	ug/L	335757	1	5.67	666142	5.0
Ethanethiol	2.05	5.4	ug/L	720476	1	5.67	666142	5.0
Dimethyl sulfide	2.23	1.9	ug/L	248164	1	5.67	666142	5.0
Butylated Hydroxy...	16.37	5.0	ug/L	747636	3	11.30	743425	5.0