

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071918\
 Data File : VV006653.D
 Acq On : 19 Jul 2018 20:02
 Operator : SY/MD
 Sample : J3983-10DL 4X
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB180DL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.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	1.028	26	43	58	rBV	1396426	1785660	100.00%	17.551%
2	1.093	58	63	73	rVV	42870	58187	3.26%	0.572%
3	1.266	99	117	124	rBV3	127123	459253	25.72%	4.514%
4	1.321	128	134	163	rVB2	331119	617044	34.56%	6.065%
5	1.479	179	183	196	rVB2	54798	75035	4.20%	0.738%
6	1.581	210	215	248	rVB	109093	185114	10.37%	1.819%
7	2.048	353	360	374	rVV	75419	103681	5.81%	1.019%
8	2.125	375	384	397	rVB	242463	334528	18.73%	3.288%
9	2.228	410	416	430	rVB	44988	67457	3.78%	0.663%
10	2.787	580	590	608	rVB	184056	308219	17.26%	3.029%
11	3.967	941	957	980	rBV	105586	298840	16.74%	2.937%
12	4.405	1076	1093	1114	rBV	145428	343590	19.24%	3.377%
13	5.099	1291	1309	1335	rBV2	370728	836974	46.87%	8.227%
14	5.668	1471	1486	1504	rBV	272522	524783	29.39%	5.158%
15	6.122	1613	1627	1651	rBV	194371	391587	21.93%	3.849%
16	7.035	1897	1911	1929	rBV	95506	164275	9.20%	1.615%
17	7.363	1999	2013	2030	rBV	425194	731145	40.95%	7.186%
18	7.668	2094	2108	2123	rBV	55058	91919	5.15%	0.903%
19	8.144	2243	2256	2288	rBV	427113	745246	41.74%	7.325%
20	8.900	2477	2491	2514	rBV	381206	619468	34.69%	6.089%
21	10.269	2904	2917	2935	rVB	139110	215497	12.07%	2.118%
22	11.301	3225	3238	3260	rBV	365297	559056	31.31%	5.495%
23	11.678	3343	3355	3375	rBV	369725	576710	32.30%	5.668%
24	16.369	4805	4814	4824	rBV	54898	80753	4.52%	0.794%

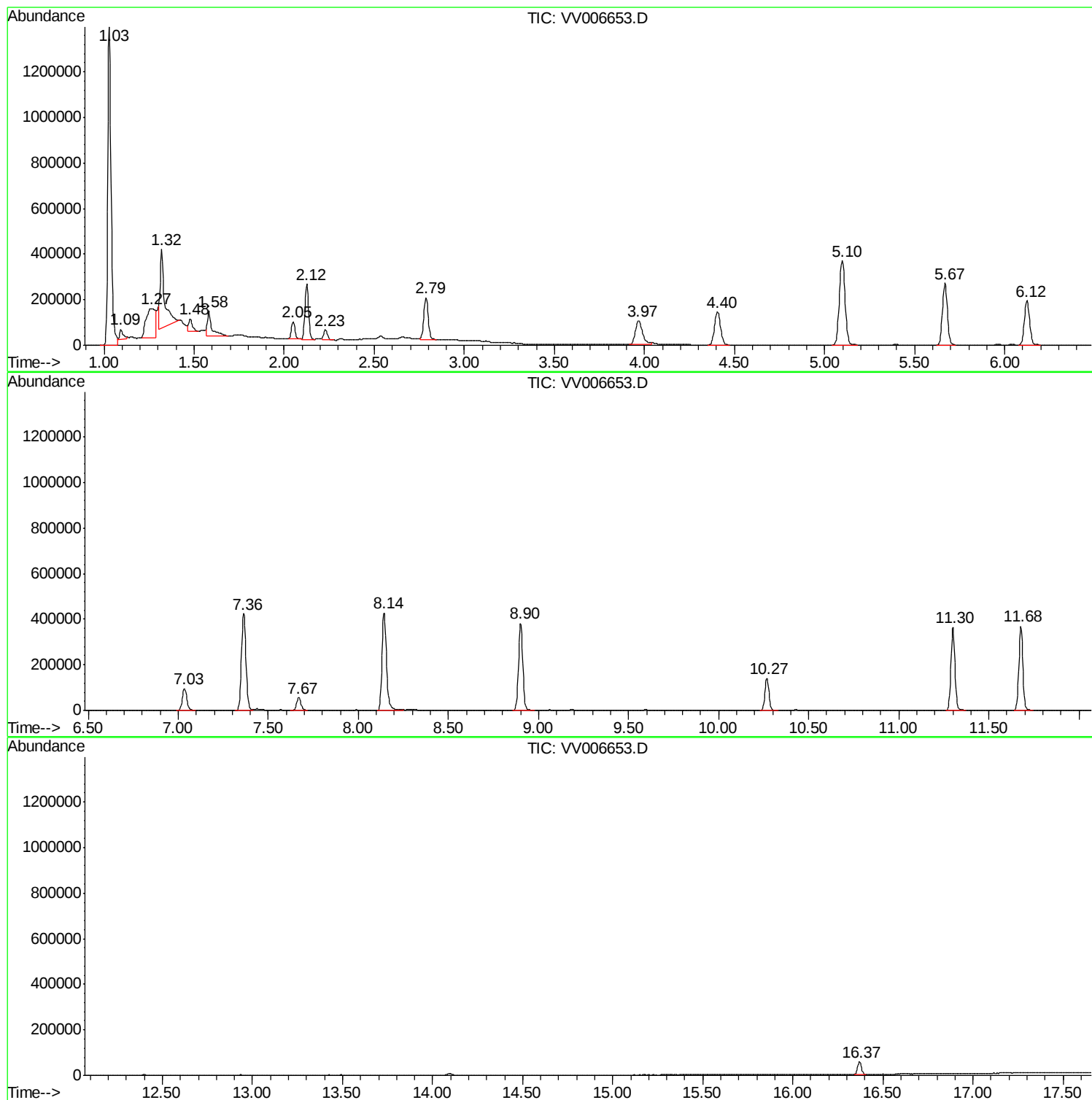
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Quant Title : TRACE VOA SOM01.0

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



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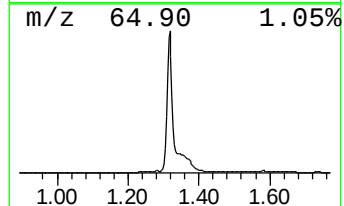
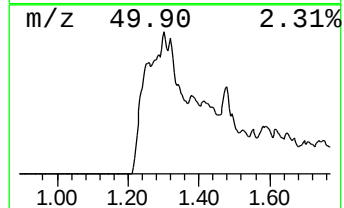
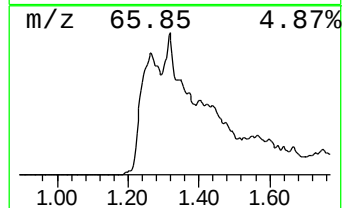
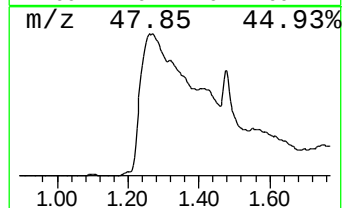
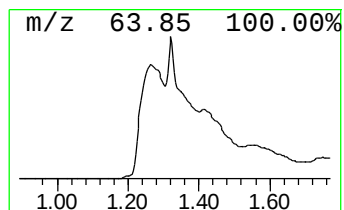
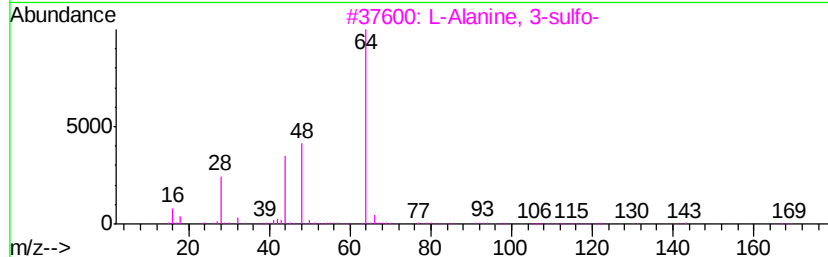
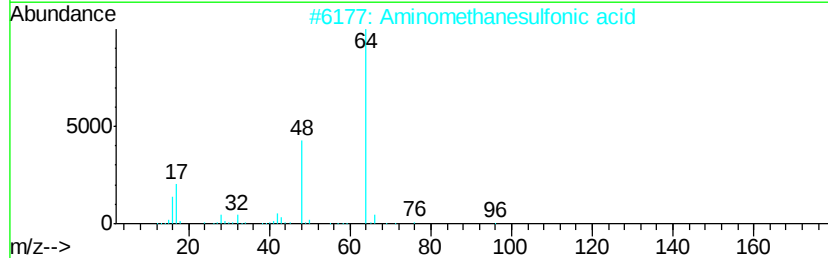
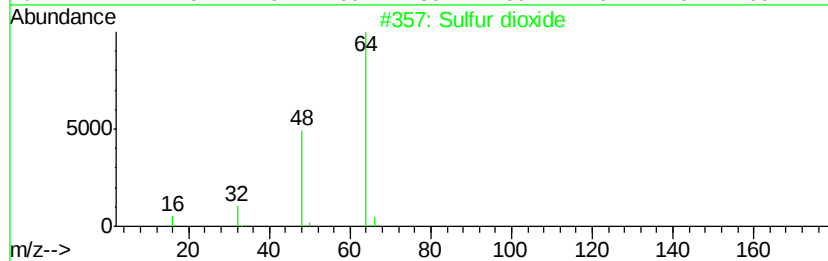
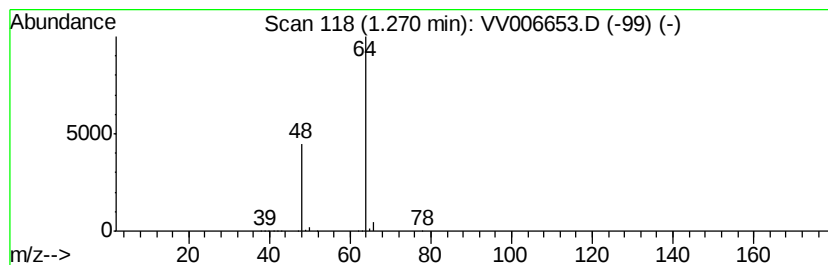
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 3 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.27	4.38 ug/L	459253	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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



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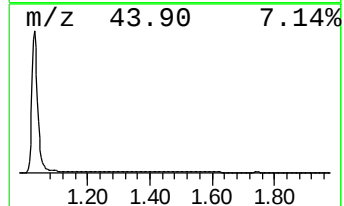
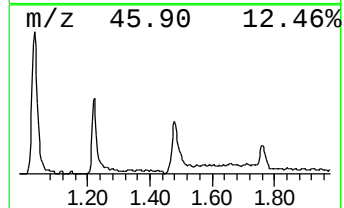
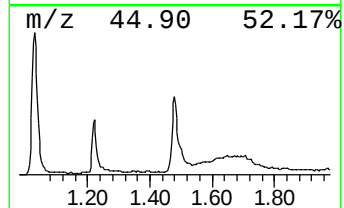
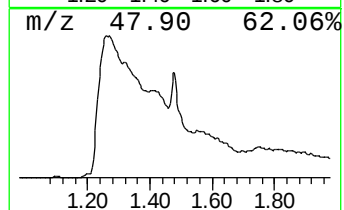
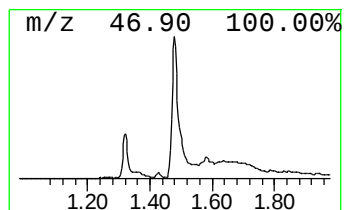
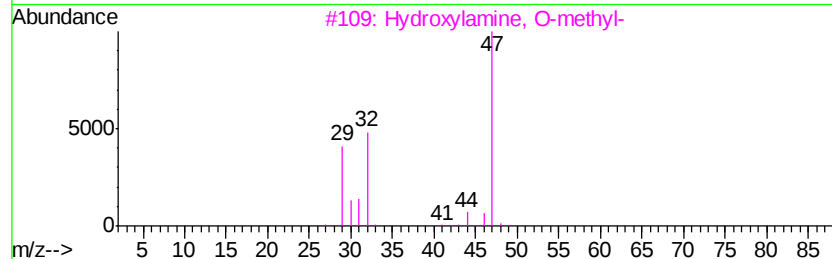
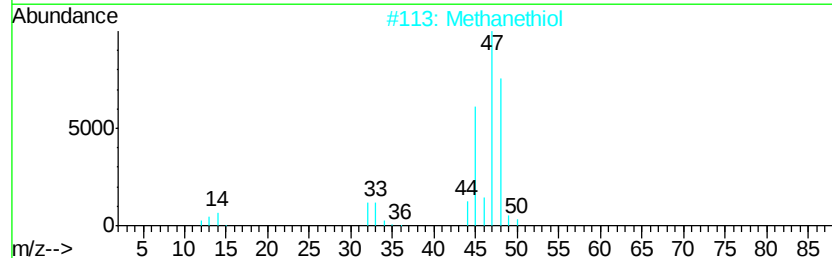
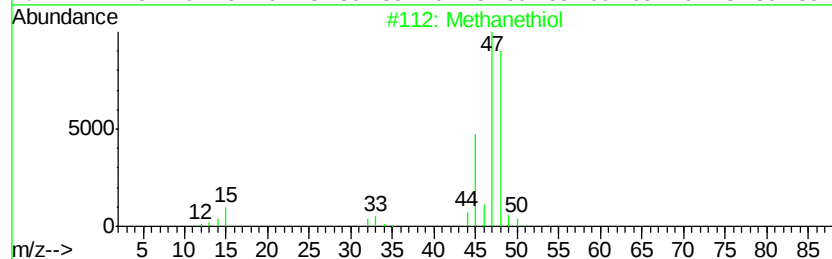
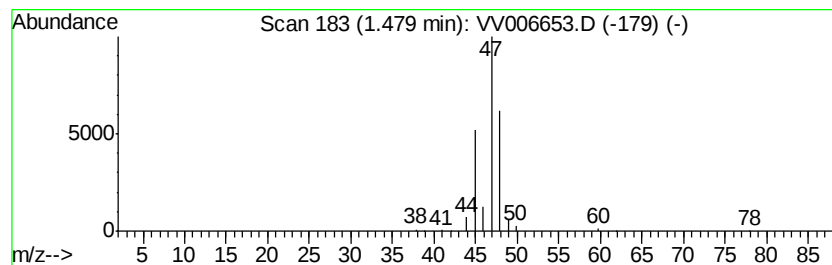
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 4 Methanethiol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	0.71 ug/L	75035	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methanethiol	48	CH4S	000074-93-1	80
2		Methanethiol	48	CH4S	000074-93-1	64
3		Hvdroxylamine, O-methyl-	47	CH5NO	000067-62-9	9
4		Hvdroxylamine, O-methyl-	47	CH5NO	000067-62-9	7
5		Methane, nitroso-	45	CH3NO	000865-40-7	5



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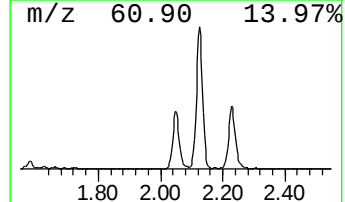
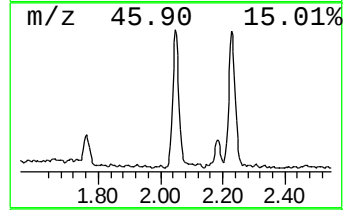
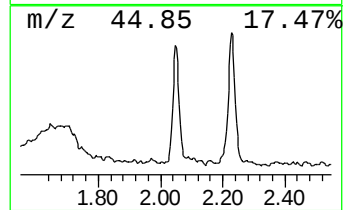
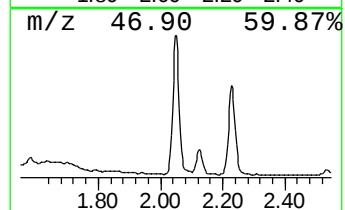
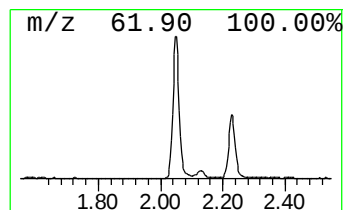
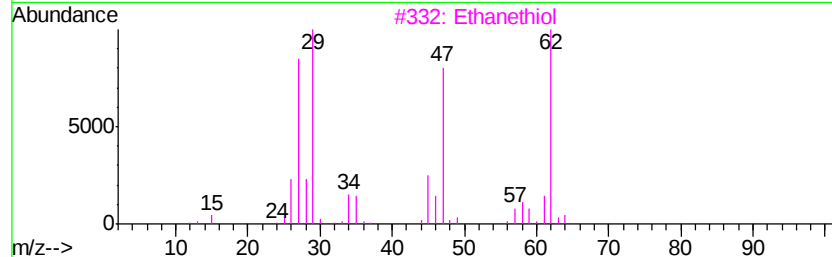
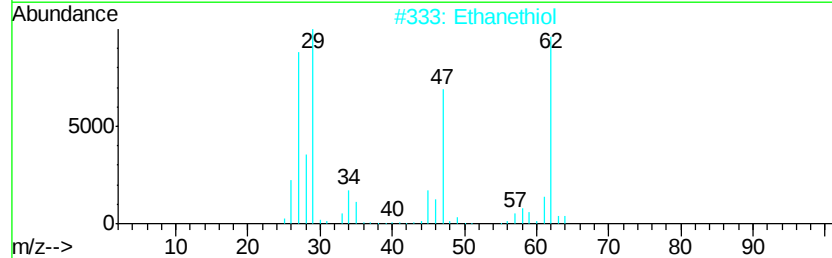
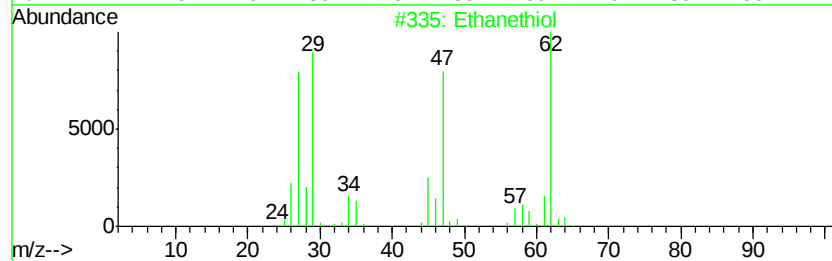
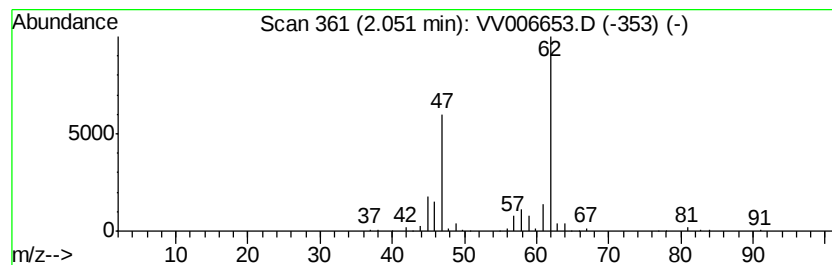
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 5 Ethanethiol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	0.99 ug/L	103681	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanethiol	62	C2H6S	000075-08-1	91
2		Ethanethiol	62	C2H6S	000075-08-1	91
3		Ethanethiol	62	C2H6S	000075-08-1	83
4		Dimethyl sulfide	62	C2H6S	000075-18-3	64
5		Peroxide, dimethyl	62	C2H6O2	000690-02-8	50



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Misc : 25 mL/MSVOA V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB180DL

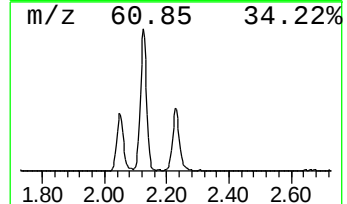
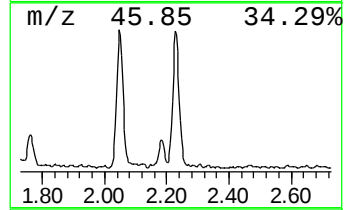
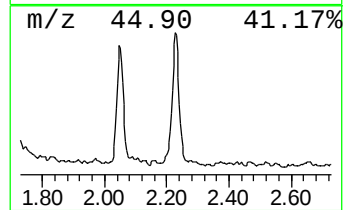
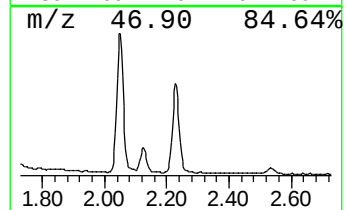
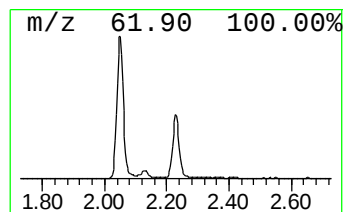
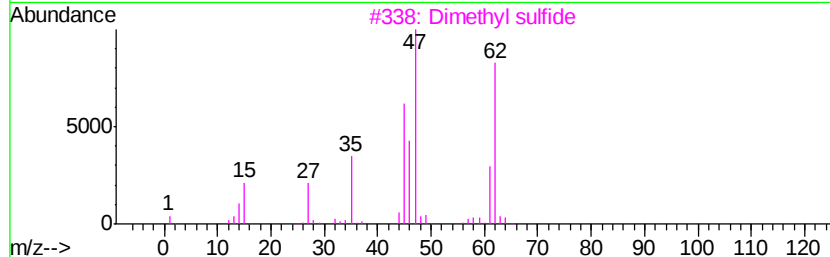
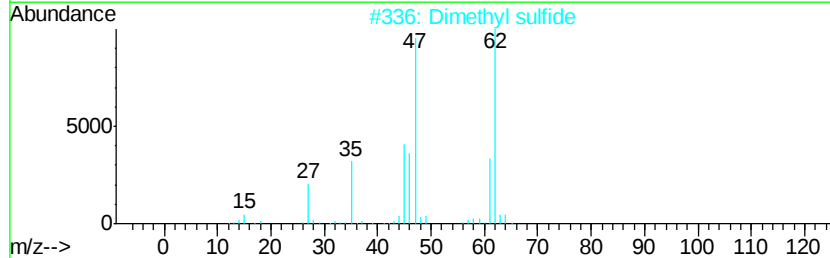
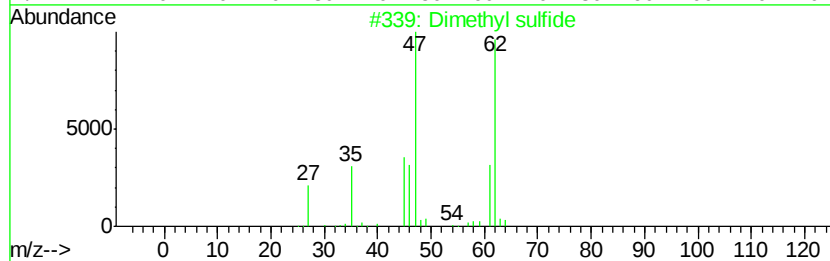
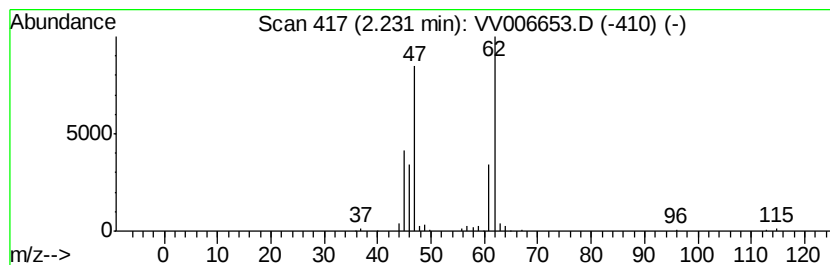
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 6 Dimethyl sulfide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	0.64 ug/L	67457	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl sulfide	62	C2H6S	000075-18-3	94
2		Dimethyl sulfide	62	C2H6S	000075-18-3	91
3		Dimethyl sulfide	62	C2H6S	000075-18-3	83
4		Dimethyl sulfide	62	C2H6S	000075-18-3	78
5		Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	74



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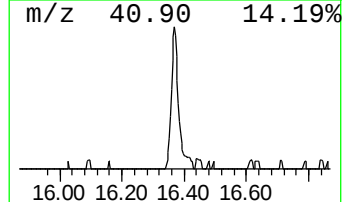
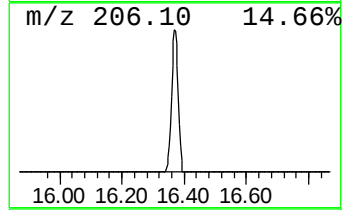
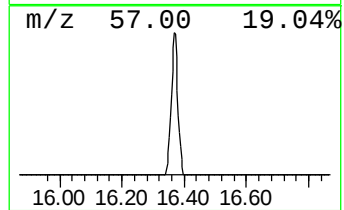
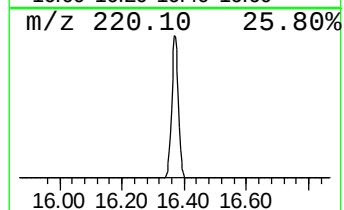
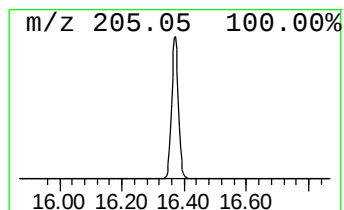
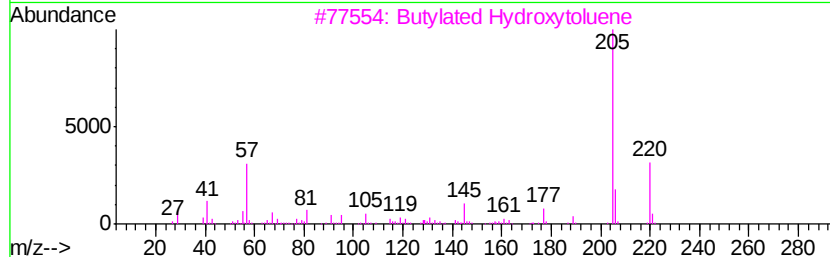
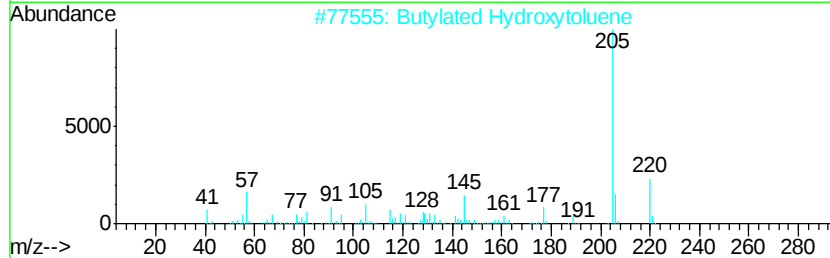
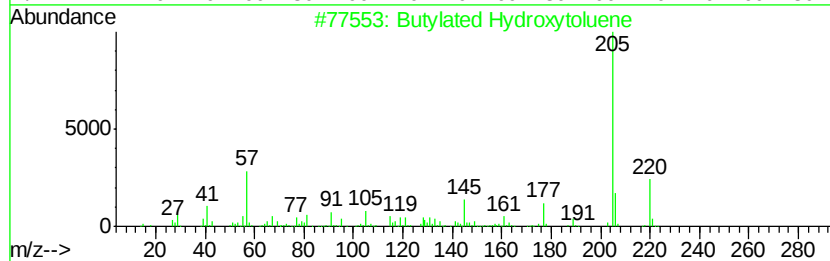
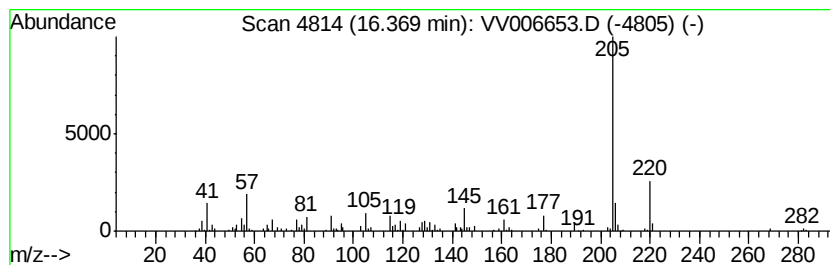
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Butylated Hydroxytoluene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	0.72 ug/L	80753	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated		Hydroxytoluene	220	C15H24O	000128-37-0	97
2	Butylated		Hydroxytoluene	220	C15H24O	000128-37-0	97
3	Butylated		Hydroxytoluene	220	C15H24O	000128-37-0	96
4	Butylated		Hydroxytoluene	220	C15H24O	000128-37-0	94
5	Phenol, 2,4,6-tris(1-methylethyl)-			220	C15H24O	002934-07-8	87



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Quant Title : TRACE VOA SOM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Sulfur dioxide	1.27	4.4	ug/L	459253	1	5.67	524783	5.0
Methanethiol	1.48	0.7	ug/L	75035	1	5.67	524783	5.0
Ethanethiol	2.05	1.0	ug/L	103681	1	5.67	524783	5.0
Dimethyl sulfide	2.23	0.6	ug/L	67457	1	5.67	524783	5.0
Butylated Hydroxy...	16.37	0.7	ug/L	80753	3	11.30	559056	5.0