

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070221\
 Data File : VL037272.D
 Acq On : 2 Jul 2021 13:14
 Operator : SY/AP
 Sample : M2911-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 3
 Start Thrs: 0.001
 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: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.880	14	29	38	rBV	3244051	6393949	23.65%	6.300%
2	2.928	38	44	53	rVV	1282159	2255610	8.34%	2.222%
3	2.964	53	55	66	rVV4	253051	434808	1.61%	0.428%
4	3.031	66	76	104	rVB	2933586	5413502	20.03%	5.334%
5	3.211	121	132	172	rBV	13755040	27031958	100.00%	26.634%
6	3.362	172	179	198	rVB	698970	1150271	4.26%	1.133%
7	3.620	258	259	277	rVB2	203321	342783	1.27%	0.338%
8	3.864	323	335	337	rBV2	1190183	1586904	5.87%	1.564%
9	3.880	337	340	358	rVV	1140913	2043214	7.56%	2.013%
10	3.980	358	371	396	rVB2	664623	1932879	7.15%	1.904%
11	4.144	411	422	432	rBV	234832	375134	1.39%	0.370%
12	4.202	432	440	456	rVB5	204418	389384	1.44%	0.384%
13	4.356	476	488	513	rBV	1023196	2068081	7.65%	2.038%
14	5.687	886	902	922	rBV3	2698307	7413377	27.42%	7.304%
15	7.192	1345	1370	1406	rBV	4243380	9640125	35.66%	9.498%
16	9.825	2171	2189	2214	rBV2	999427	2280445	8.44%	2.247%
17	12.105	2879	2898	2930	rBV	4501913	11230375	41.54%	11.065%
18	14.436	3603	3623	3658	rBV	4519045	12211264	45.17%	12.031%
19	16.146	4137	4155	4170	rBV6	115767	302144	1.12%	0.298%
20	17.008	4406	4423	4437	rBV3	246702	702517	2.60%	0.692%
21	17.162	4453	4471	4502	rVB3	642900	1831910	6.78%	1.805%
22	17.966	4703	4721	4732	rBV6	289398	770794	2.85%	0.759%
23	18.381	4835	4850	4865	rBV4	155836	437648	1.62%	0.431%
24	20.960	5633	5652	5675	rBV3	787810	2372065	8.78%	2.337%
25	21.516	5804	5825	5848	rBV2	240412	884599	3.27%	0.872%

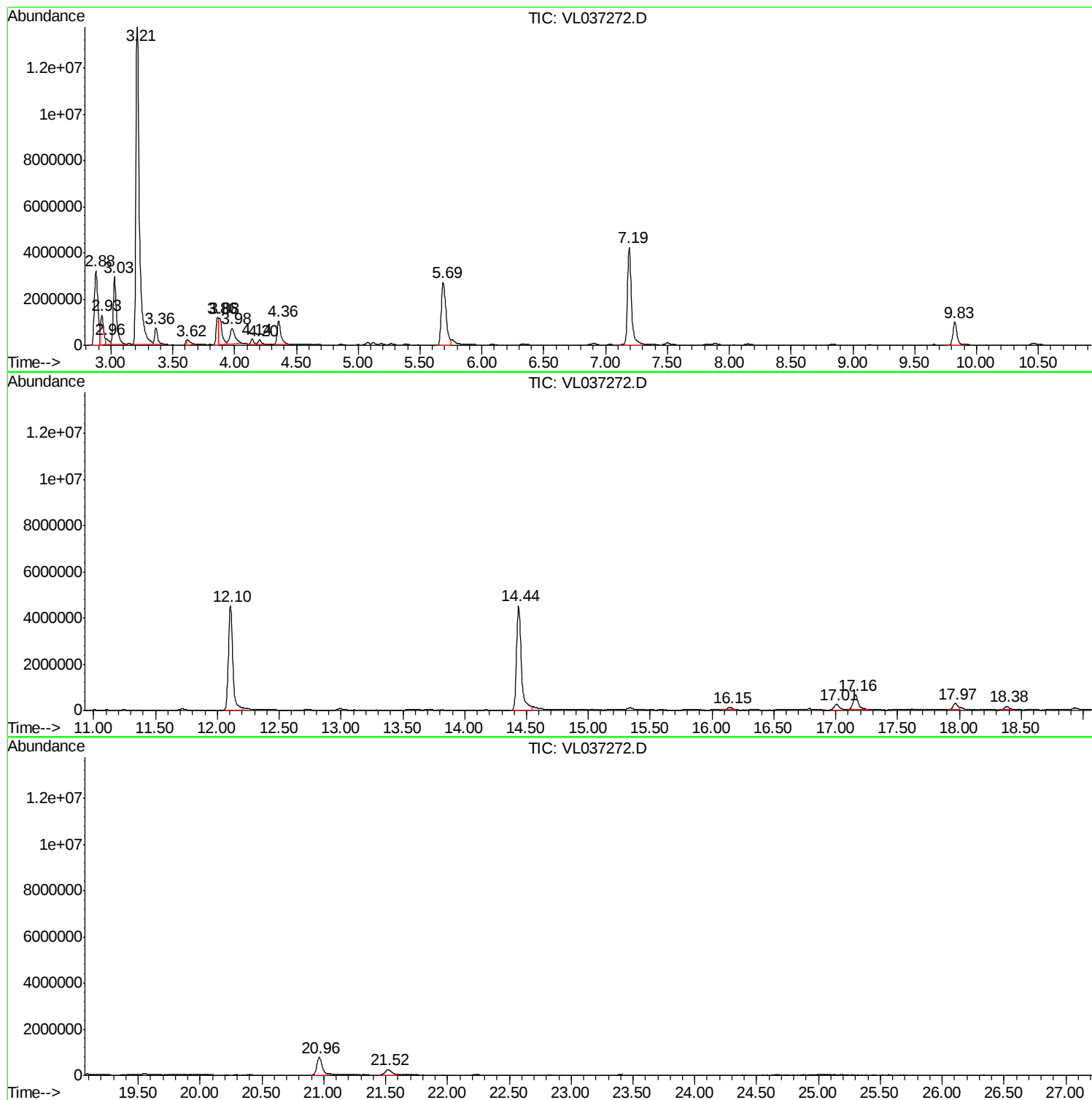
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021

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



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ClientSampled :
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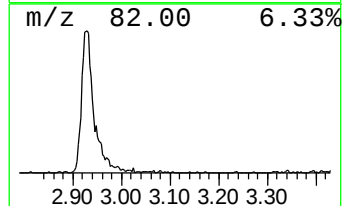
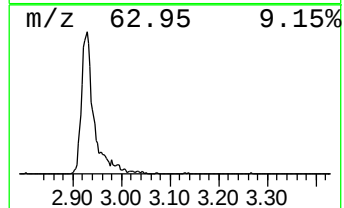
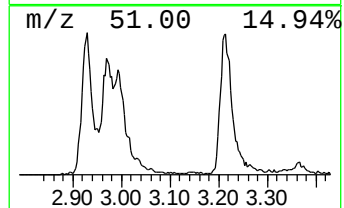
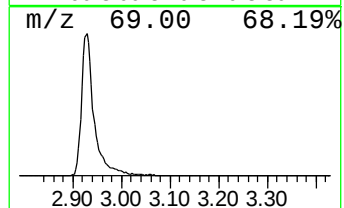
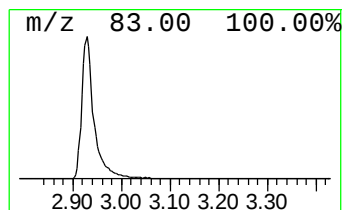
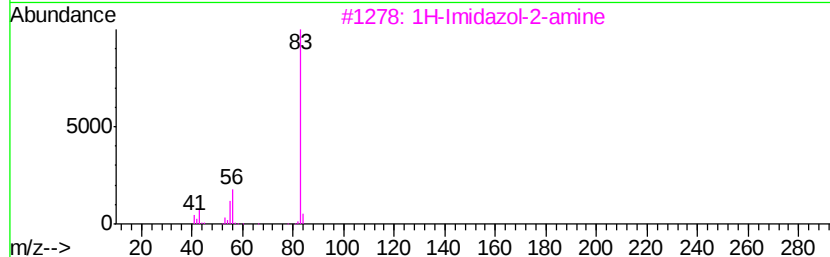
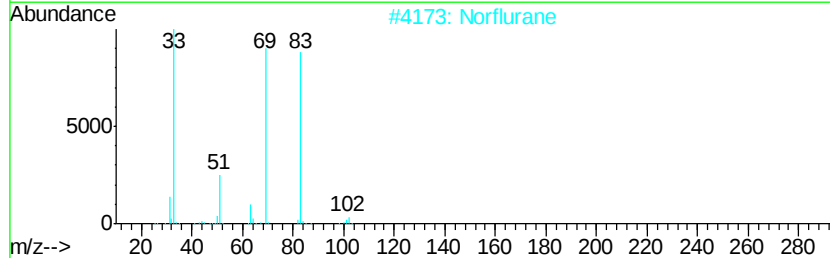
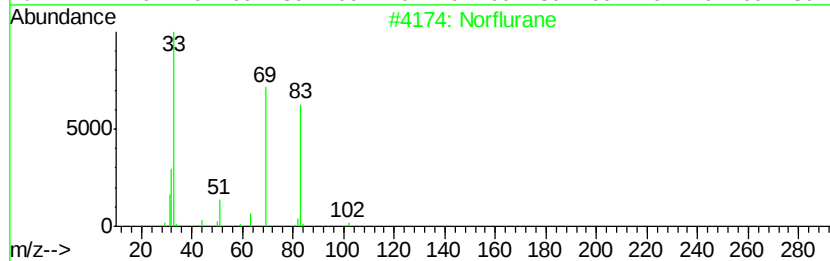
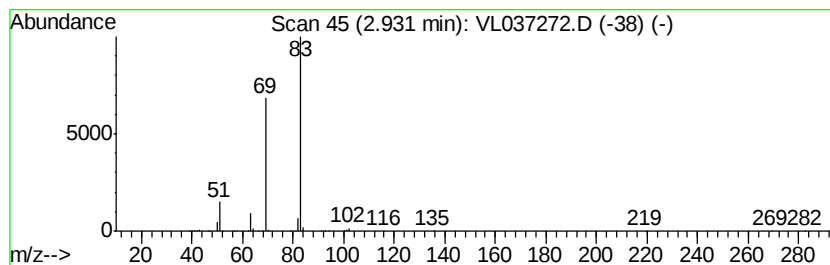
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021

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

Peak Number 2 Norflurane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	3.04 ppbv	2255610	Bromochloromethane	5.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Norflurane	102	C2H2F4	000811-97-2	50
2		Norflurane	102	C2H2F4	000811-97-2	47
3		1H-Imidazol-2-amine	83	C3H5N3	007720-39-0	3
4		4H-1,2,4-Triazole, 4-methyl-	83	C3H5N3	010570-40-8	3
5		Trifluoromethylthiocyanate	127	C2F3NS	000690-24-4	2



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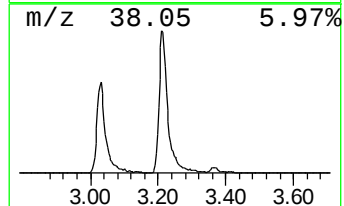
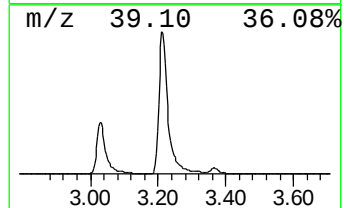
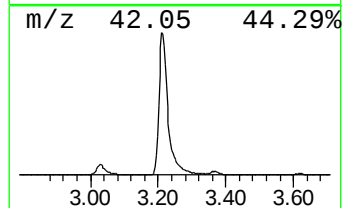
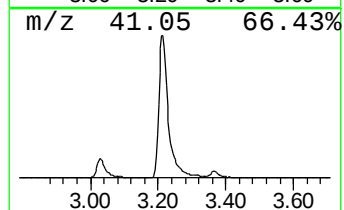
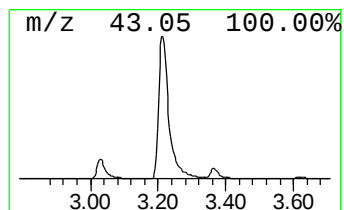
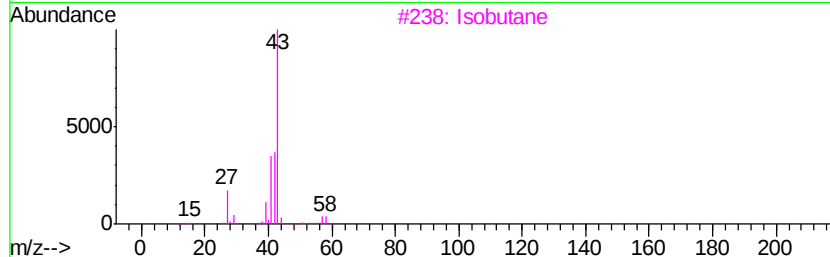
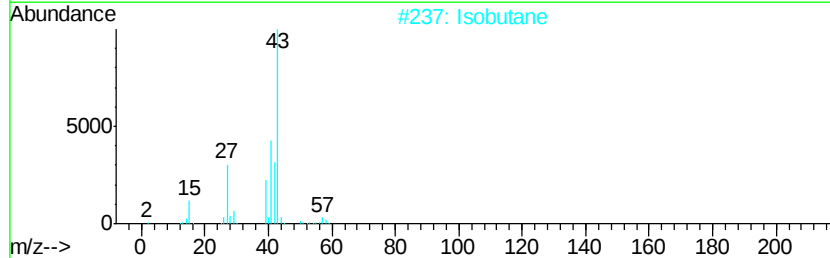
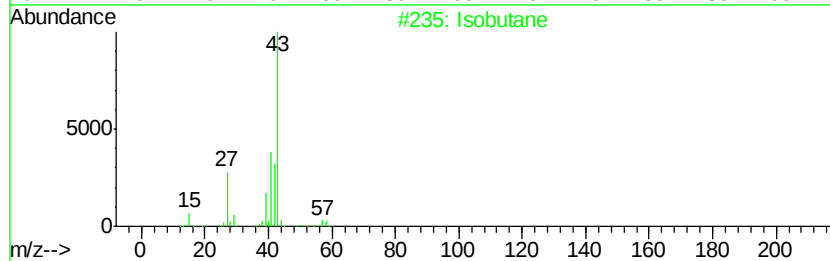
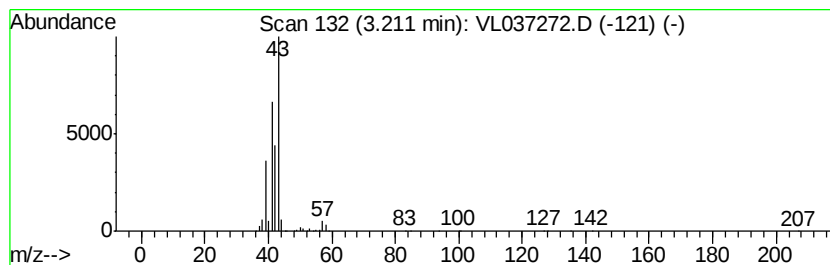
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Isobutane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	36.46 ppbv	27032000	Bromochloromethane	5.68

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane		58	C4H10	000075-28-5	78
2	Isobutane		58	C4H10	000075-28-5	78
3	Isobutane		58	C4H10	000075-28-5	50
4	Isobutane		58	C4H10	000075-28-5	50
5	Propane, 1-chloro-2-methyl-		92	C4H9Cl	000513-36-0	9



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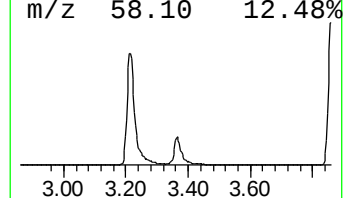
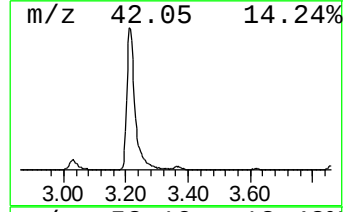
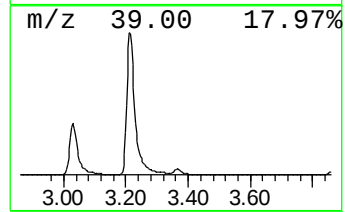
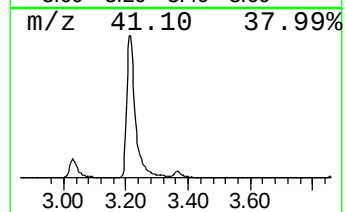
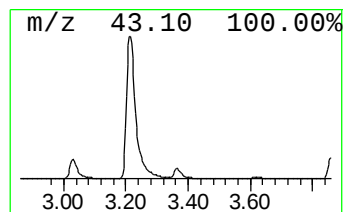
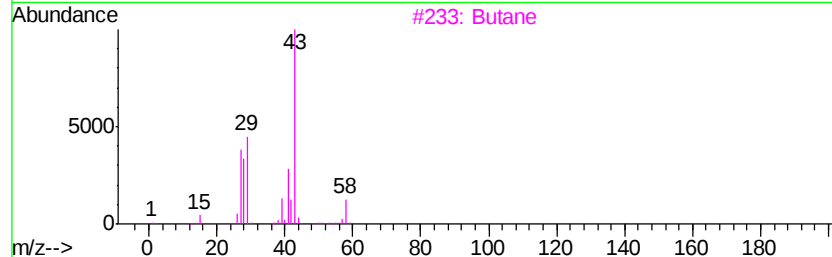
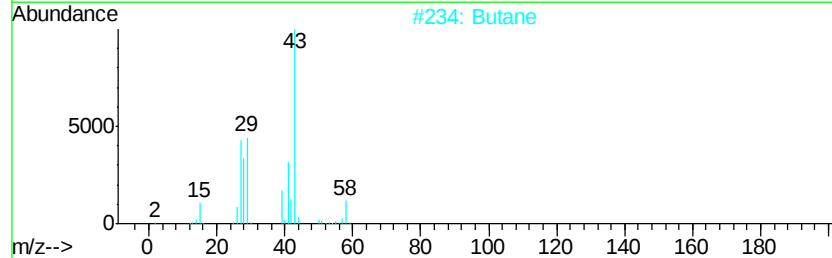
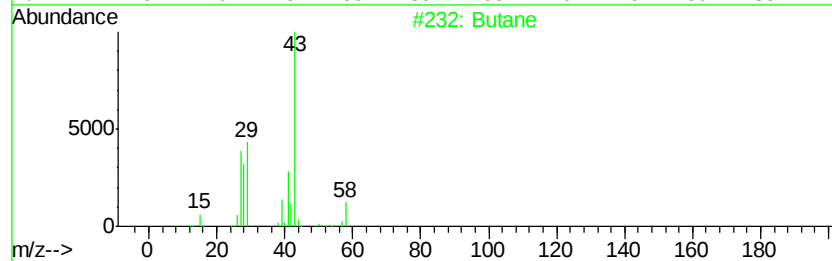
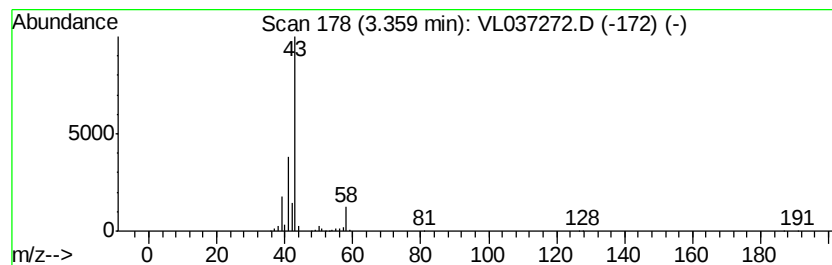
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Peak Number 4 Butane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.36	1.55 ppbv	1150270	Bromochloromethane	5.68

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane		58	C4H10	000106-97-8	72
2	Butane		58	C4H10	000106-97-8	72
3	Butane		58	C4H10	000106-97-8	72
4	Isobutane		58	C4H10	000075-28-5	9
5	Isopropylsulfonyl chloride		142	C3H7ClO2S	010147-37-2	9



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ALS Vial : 1 Sample Multiplier: 1

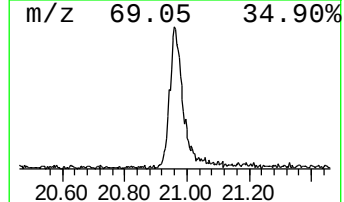
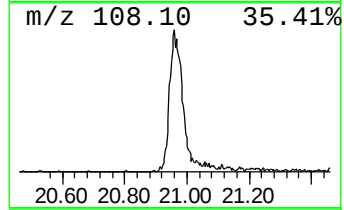
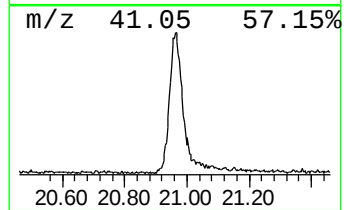
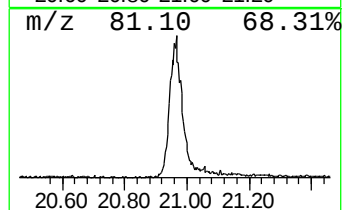
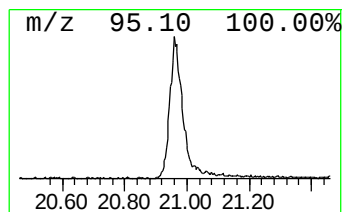
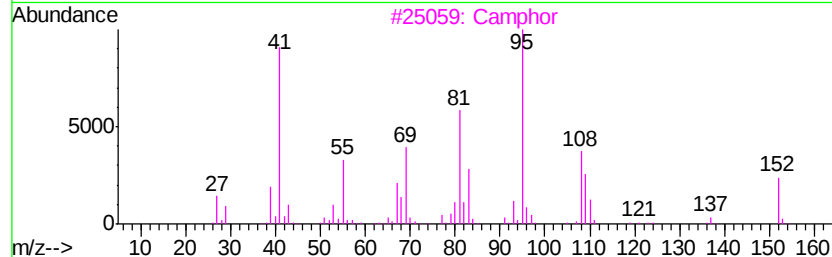
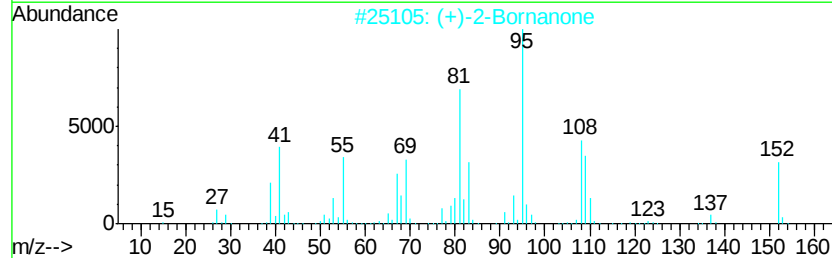
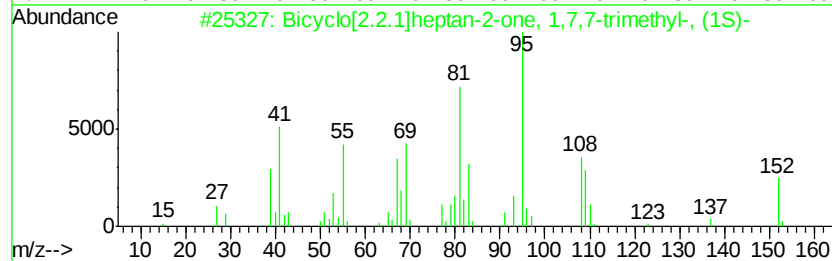
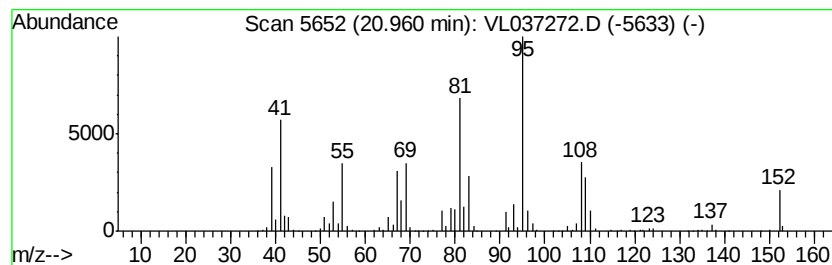
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Peak Number 5 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.96	2.11 ppbv	2372070	Chlorobenzene-d5	12.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	98
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
3	Camphor	152	C10H16O	000076-22-2	97
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	97



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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Norflurane	2.93	3.0	ppbv	2255610	1	5.68	7413380	10.0
Isobutane	3.21	36.5	ppbv	27032000	1	5.68	7413380	10.0
Butane	3.36	1.6	ppbv	1150270	1	5.68	7413380	10.0
Bicyclo[2.2.1]hep...	20.96	2.1	ppbv	2372070	3	12.10	11230400	10.0