

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070221\
 Data File : VL037273.D
 Acq On : 2 Jul 2021 13:55
 Operator : SY/AP
 Sample : M2911-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1DUP

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	16	29	39	rBV	3084403	6116538	24.19%	6.214%
2	2.928	39	44	54	rVB	979632	1445494	5.72%	1.469%
3	3.028	64	75	104	rVB	2808010	5117729	20.24%	5.199%
4	3.214	121	133	172	rBV	13030176	25281104	100.00%	25.685%
5	3.365	172	180	210	rVB	743770	1340629	5.30%	1.362%
6	3.616	245	258	288	rBV3	265535	789719	3.12%	0.802%
7	3.861	324	334	338	rBV	1217635	1839977	7.28%	1.869%
8	3.880	338	340	357	rVV3	1164304	1823260	7.21%	1.852%
9	3.980	357	371	399	rVB3	725655	2152675	8.51%	2.187%
10	4.144	413	422	432	rBV3	232249	375814	1.49%	0.382%
11	4.201	432	440	456	rVB3	212038	391859	1.55%	0.398%
12	4.356	468	488	524	rBV	1411787	2995112	11.85%	3.043%
13	5.687	887	902	925	rBV2	2639028	7463204	29.52%	7.582%
14	7.192	1345	1370	1409	rBV	3980001	9150715	36.20%	9.297%
15	9.825	2173	2189	2213	rBV2	986457	2265625	8.96%	2.302%
16	12.108	2881	2899	2925	rBV	4221920	10444069	41.31%	10.611%
17	14.436	3603	3623	3663	rBV2	4253886	11642318	46.05%	11.828%
18	16.150	4137	4156	4173	rBV4	122814	346615	1.37%	0.352%
19	17.011	4406	4424	4435	rBV5	182963	510402	2.02%	0.519%
20	17.159	4451	4470	4492	rBV4	624532	1772328	7.01%	1.801%
21	17.973	4707	4723	4737	rBV9	295118	865996	3.43%	0.880%
22	18.384	4834	4851	4870	rBV7	189186	574375	2.27%	0.584%
23	18.931	5006	5021	5036	rBV4	89252	271931	1.08%	0.276%
24	20.966	5630	5654	5674	rBV5	816668	2463599	9.74%	2.503%
25	21.522	5805	5827	5846	rBV2	276128	987691	3.91%	1.003%

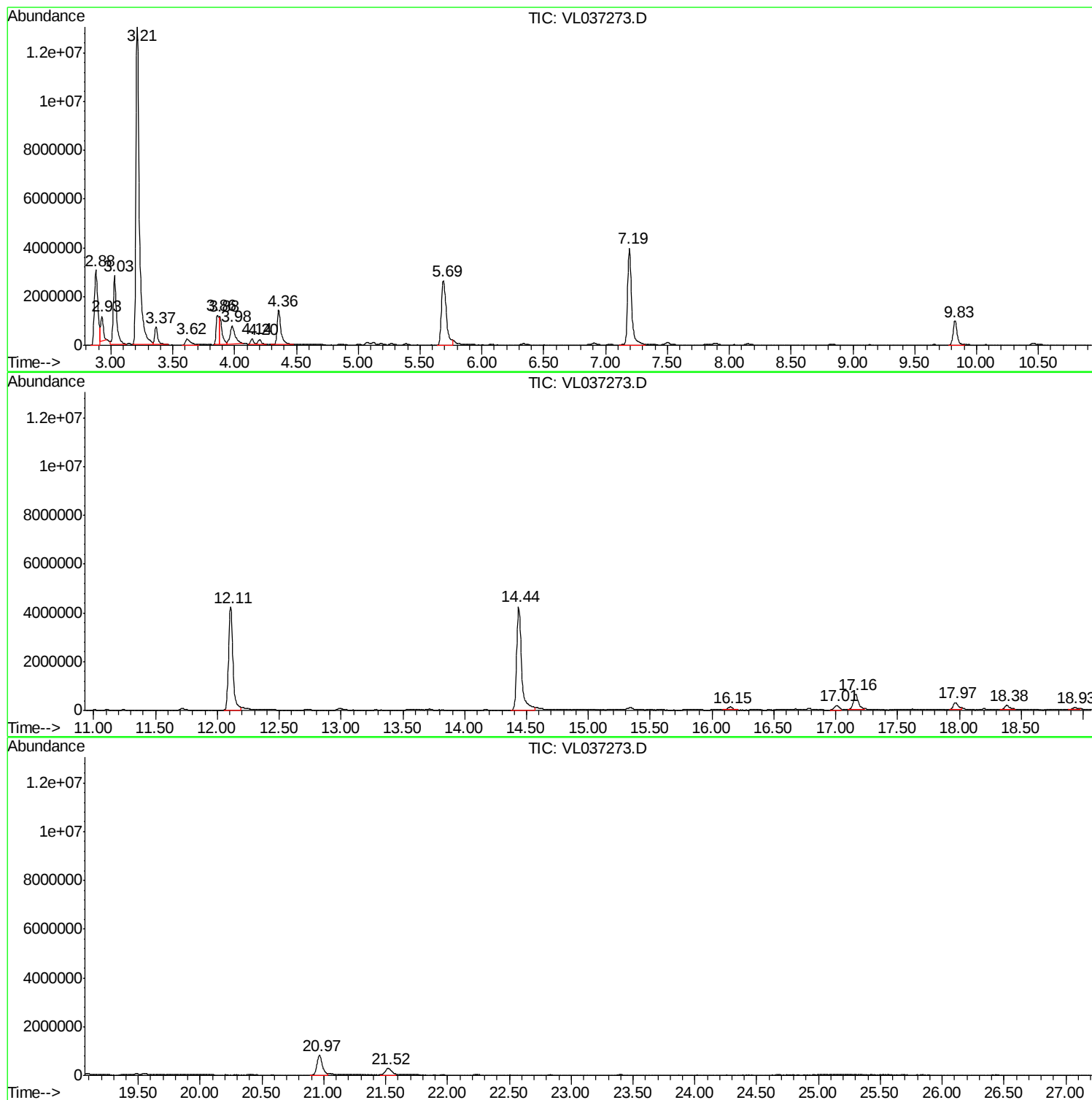
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021

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



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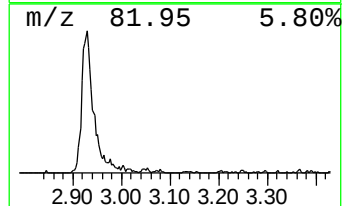
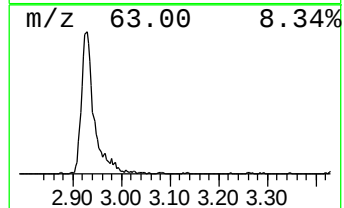
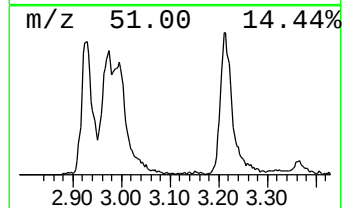
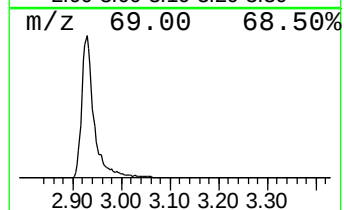
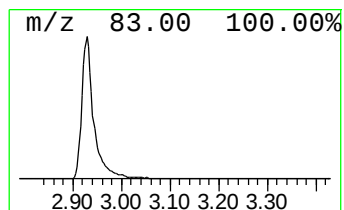
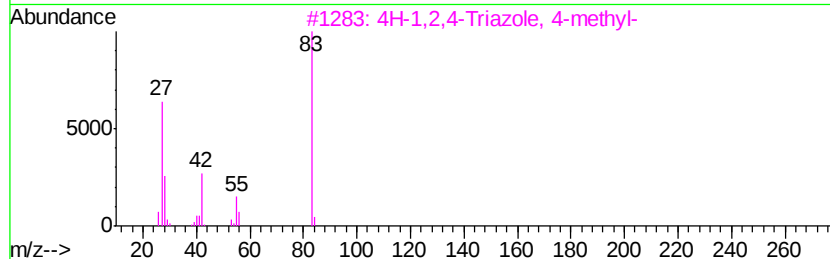
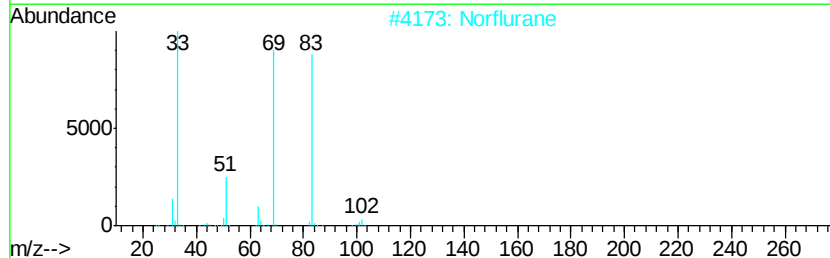
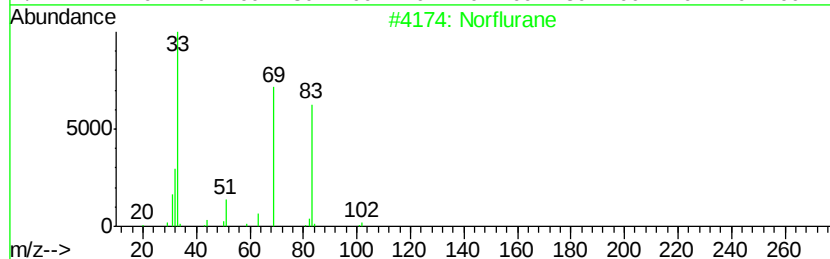
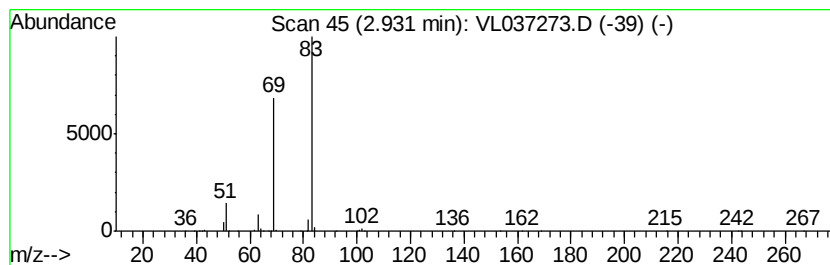
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021

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

Peak Number 2 unknown2.93 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	1.94 ppbv	1445490	Bromochloromethane	5.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Norflurane	102	C2H2F4	000811-97-2	40
2		Norflurane	102	C2H2F4	000811-97-2	9
3		4H-1,2,4-Triazole, 4-methyl-	83	C3H5N3	010570-40-8	3
4		1H-Imidazol-2-amine	83	C3H5N3	007720-39-0	3
5		Phosphine, (trifluoromethyl)-	102	CH2F3P	000420-52-0	2



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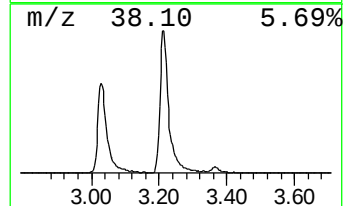
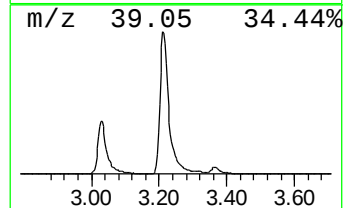
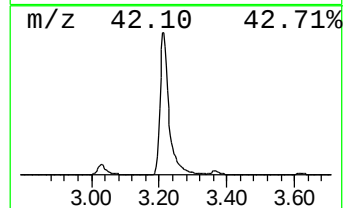
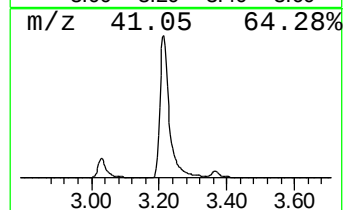
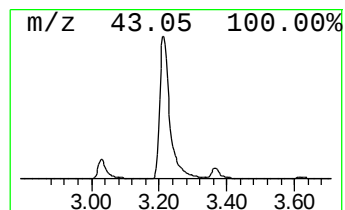
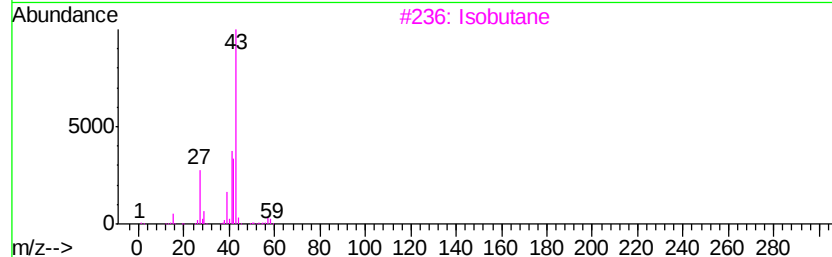
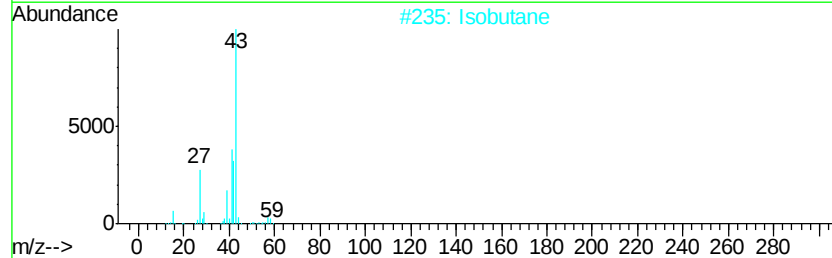
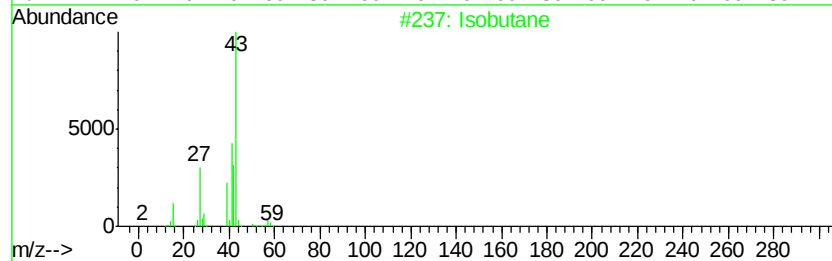
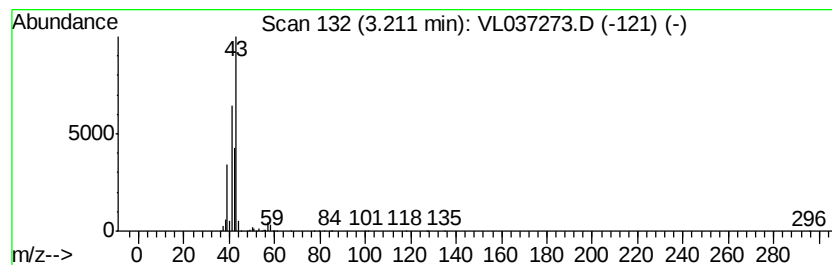
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Isobutane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	33.87 ppbv	25281100	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	64
4	Isobutane		58	C4H10	000075-28-5	50
5	Propane, 1-chloro-2-methyl-		92	C4H9Cl	000513-36-0	9



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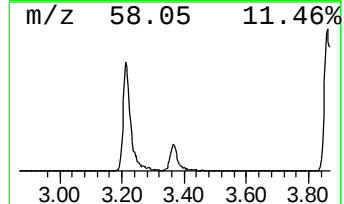
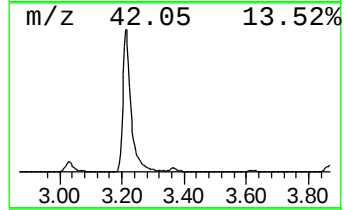
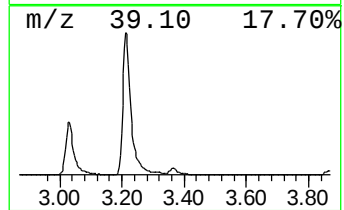
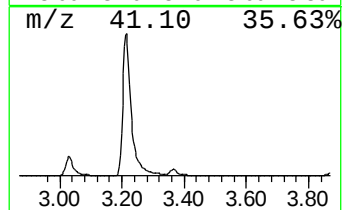
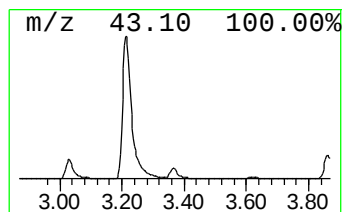
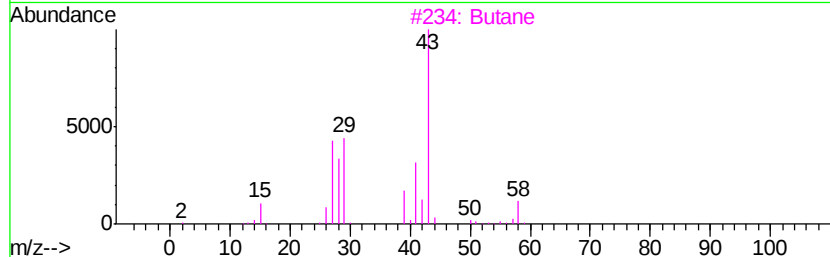
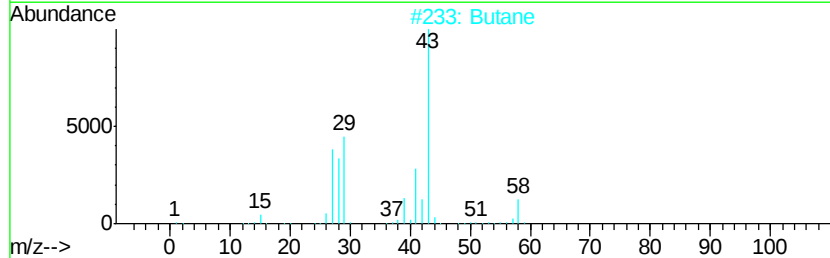
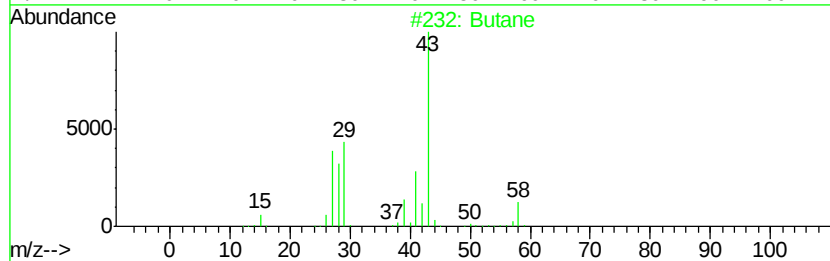
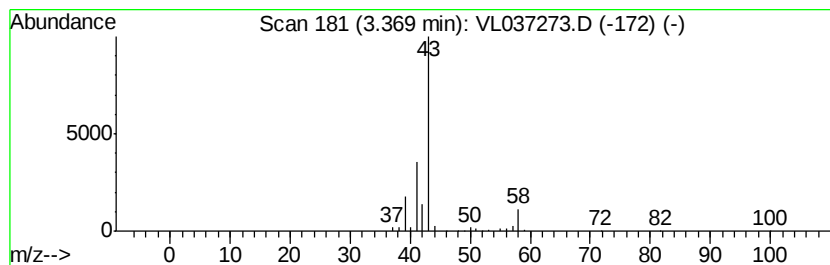
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Butane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.37	1.80 ppbv	1340630	Bromochloromethane	5.68

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane		58	C4H10	000106-97-8	59
2	Butane		58	C4H10	000106-97-8	59
3	Butane		58	C4H10	000106-97-8	59
4	Propane, 1-nitro-		89	C3H7NO2	000108-03-2	28
5	Isopropylsulfonyl chloride		142	C3H7ClO2S	010147-37-2	9



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ALS Vial : 1 Sample Multiplier: 1

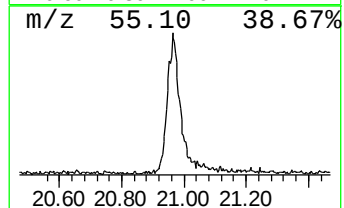
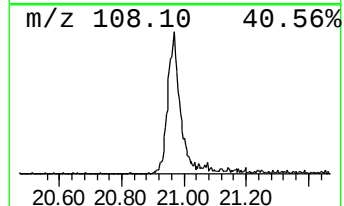
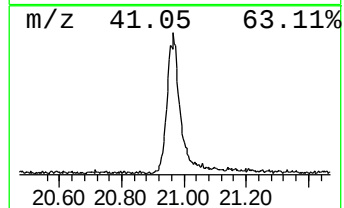
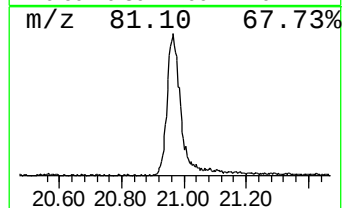
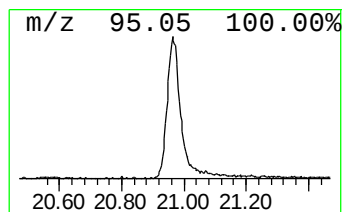
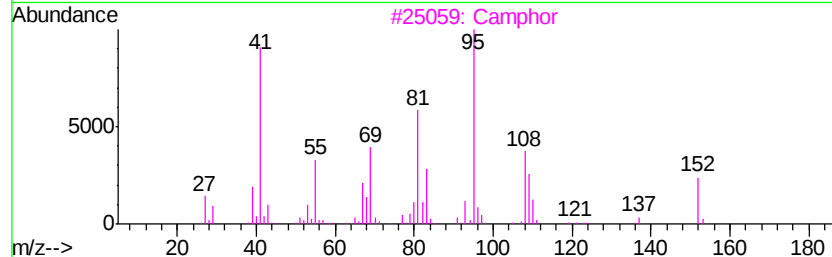
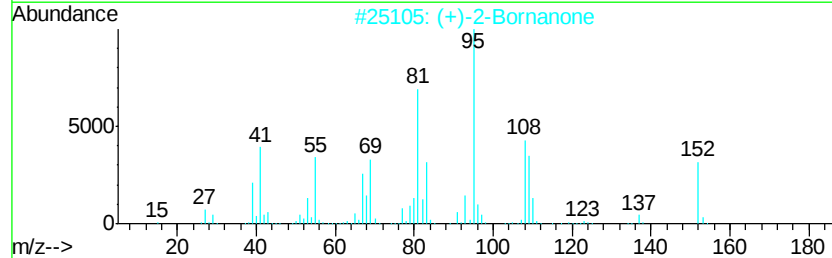
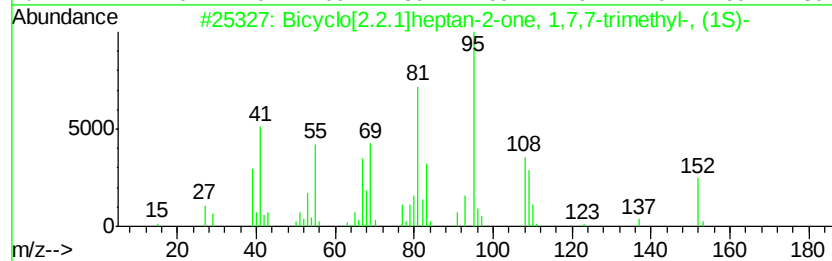
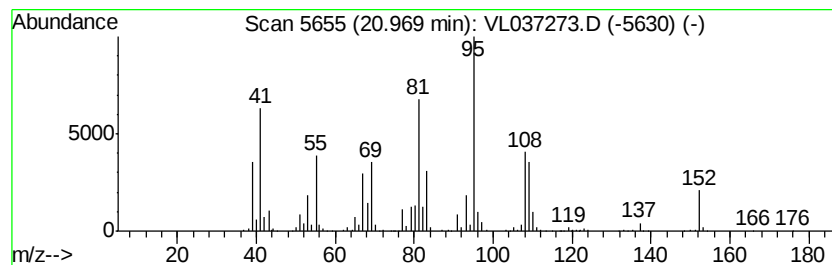
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.36 ppbv	2463600	Chlorobenzene-d5	12.11
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2 97
2		(+)-2-Bornanone	152 C10H16O	000464-49-3 96
3		Camphor	152 C10H16O	000076-22-2 94
4		Camphor	152 C10H16O	000076-22-2 94
5		(+)-2-Bornanone	152 C10H16O	000464-49-3 94



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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Isobutane	3.21	33.9	ppbv	25281100	1	5.68	7463200	10.0
Butane	3.37	1.8	ppbv	1340630	1	5.68	7463200	10.0
Bicyclo[2.2.1]hep...	20.97	2.4	ppbv	2463600	3	12.11	10444100	10.0