

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033368.D
 Acq On : 18 Mar 2019 21:22
 Operator : SY/AP
 Sample : K1827-10
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-10

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\VL031519AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.991	8	17	21	rBV2	199289	271925	3.40%	0.620%
2	3.014	21	24	29	rVV	140113	155078	1.94%	0.354%
3	3.049	29	35	40	rVV2	210636	280193	3.50%	0.639%
4	3.075	40	43	52	rVB	103542	111125	1.39%	0.253%
5	3.236	83	93	105	rBV	395475	511758	6.40%	1.167%
6	3.393	133	142	151	rVB	388433	496983	6.22%	1.133%
7	3.654	207	223	241	rBV	1815942	3577126	44.74%	8.159%
8	3.901	292	300	317	rVB	525957	920200	11.51%	2.099%
9	4.033	323	341	365	rBV	651326	1349999	16.89%	3.079%
10	4.188	379	389	399	rBV3	113704	157715	1.97%	0.360%
11	4.249	399	408	416	rBV4	101567	146834	1.84%	0.335%
12	4.403	451	456	457	rVV	150588	116288	1.45%	0.265%
13	4.409	457	458	468	rVB2	147685	122407	1.53%	0.279%
14	5.187	691	700	712	rVB2	116751	197647	2.47%	0.451%
15	5.329	733	744	754	rBV3	66608	119924	1.50%	0.274%
16	5.760	862	878	897	rBV3	1762492	3454157	43.20%	7.878%
17	7.001	1256	1264	1273	rVB3	50408	97857	1.22%	0.223%
18	7.287	1336	1353	1368	rBV	2296222	4215507	52.73%	9.614%
19	7.364	1368	1377	1389	rVB5	101114	198186	2.48%	0.452%
20	7.599	1438	1450	1465	rVB6	147454	308152	3.85%	0.703%
21	8.245	1638	1651	1667	rVB4	193167	380833	4.76%	0.869%
22	8.879	1833	1848	1858	rBV3	103925	234706	2.94%	0.535%
23	8.946	1858	1869	1883	rVB4	161465	342922	4.29%	0.782%
24	9.769	2110	2125	2138	rBV5	76585	180238	2.25%	0.411%
25	9.943	2160	2179	2198	rBV	3801477	7994928	100.00%	18.234%
26	10.560	2358	2371	2383	rBV7	164675	345607	4.32%	0.788%
27	10.763	2420	2434	2436	rBV4	64213	97004	1.21%	0.221%
28	11.107	2527	2541	2559	rBV2	180084	389935	4.88%	0.889%
29	11.824	2755	2764	2774	rVB4	53610	118824	1.49%	0.271%
30	12.235	2874	2892	2912	rBV2	2670787	5874365	73.48%	13.398%
31	12.862	3074	3087	3096	rBV4	112834	243893	3.05%	0.556%
32	13.113	3153	3165	3167	rBV4	82230	107723	1.35%	0.246%
33	14.573	3598	3619	3643	rBV2	2821122	6294182	78.73%	14.355%
34	15.476	3884	3900	3912	rVB6	92394	238991	2.99%	0.545%

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Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

35	17.123	4394	4412	4425	rBV3	157237	417849	5.23%	0.953%
36	17.264	4442	4456	4471	rBV5	111949	280052	3.50%	0.639%
37	18.107	4701	4718	4748	rBV5	738416	1860022	23.27%	4.242%
38	21.650	5801	5820	5839	rBV2	496468	1545278	19.33%	3.524%
39	25.200	6915	6924	6935	rVB8	42754	88932	1.11%	0.203%

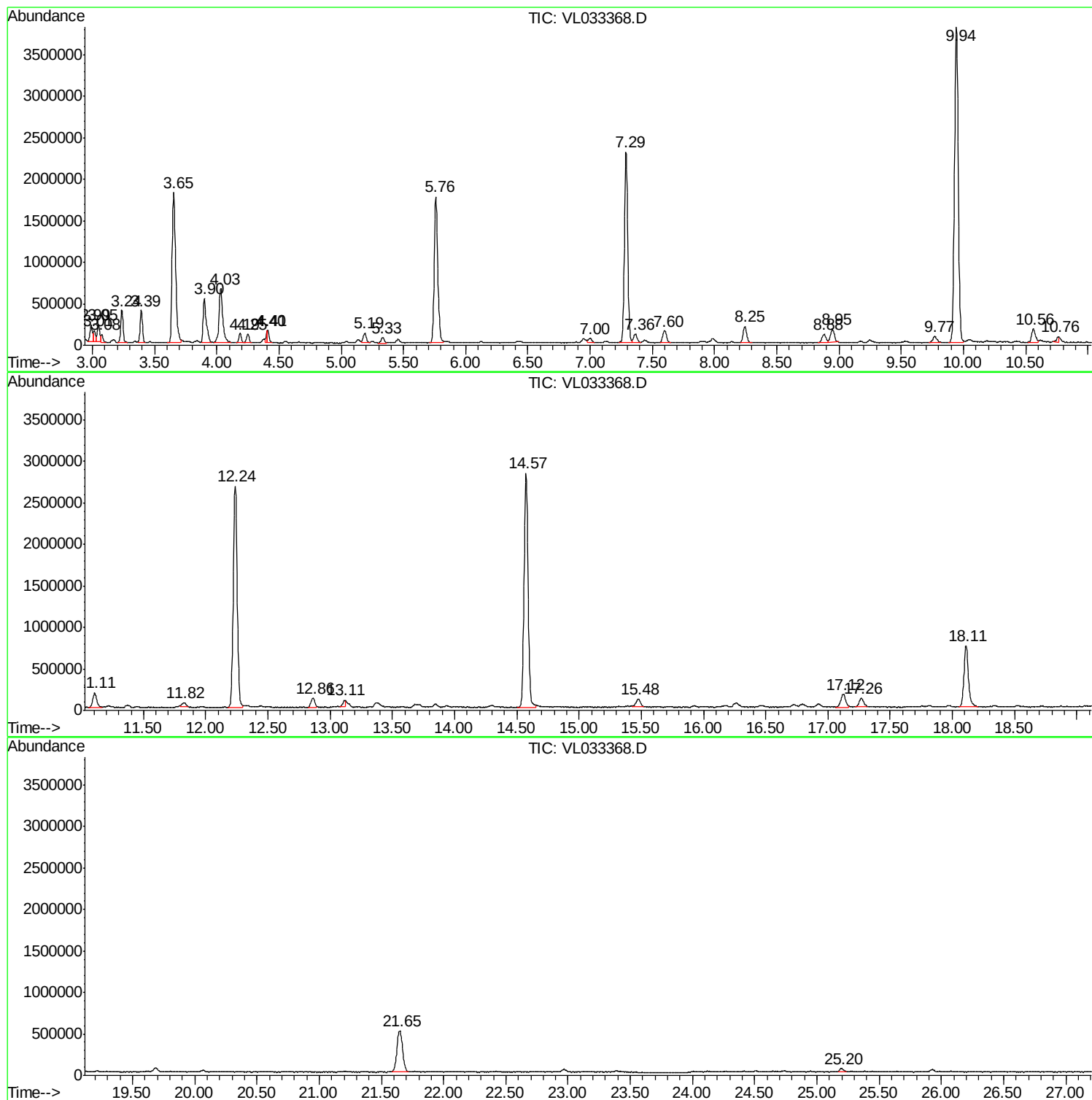
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

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



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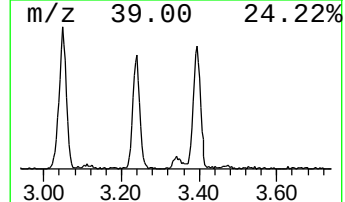
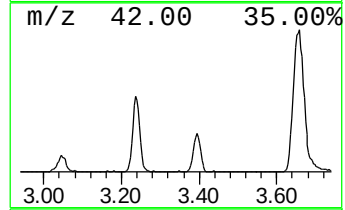
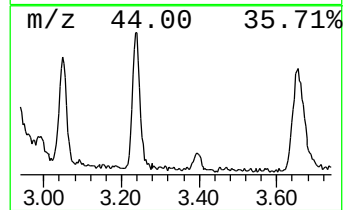
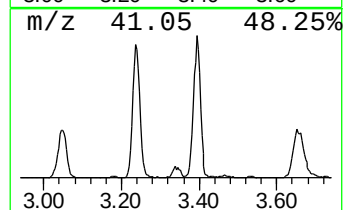
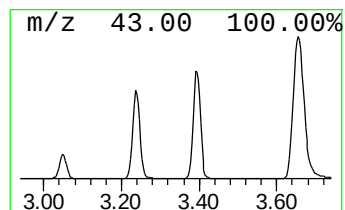
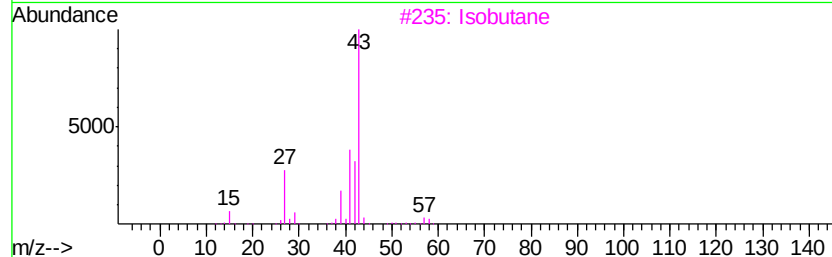
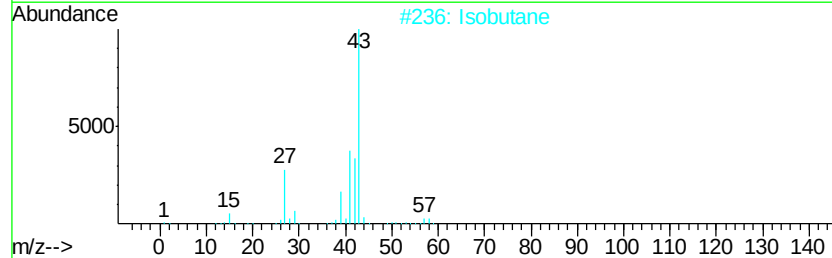
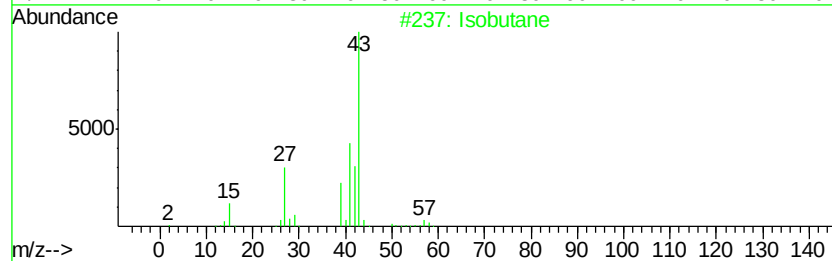
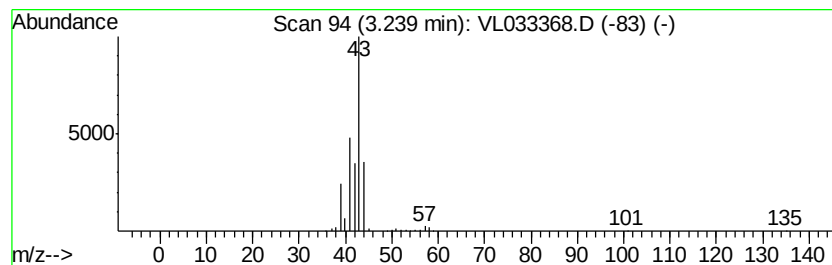
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

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

Peak Number 1 Isobutane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	1.48 ppbv	511758	Bromochloromethane	5.76

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane		58	C4H10	000075-28-5	50
2	Isobutane		58	C4H10	000075-28-5	50
3	Isobutane		58	C4H10	000075-28-5	50
4	Pyrimidine-2,4(1H,3H)-dione, 5-a...		156	C4H4N4O3	1000270-67-7	9
5	Isobutane		58	C4H10	000075-28-5	9



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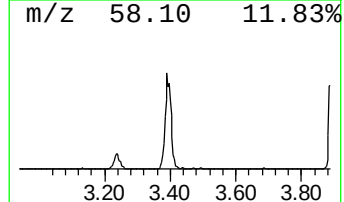
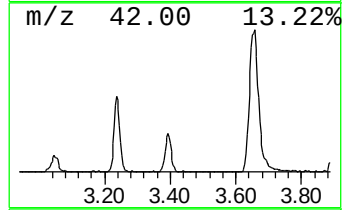
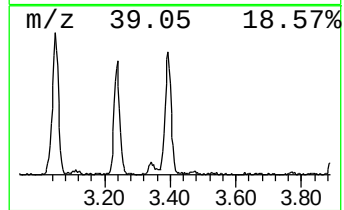
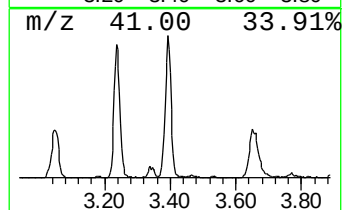
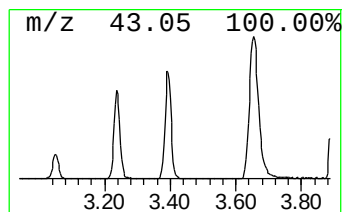
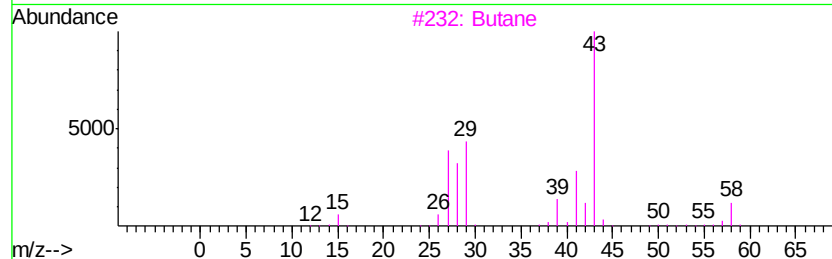
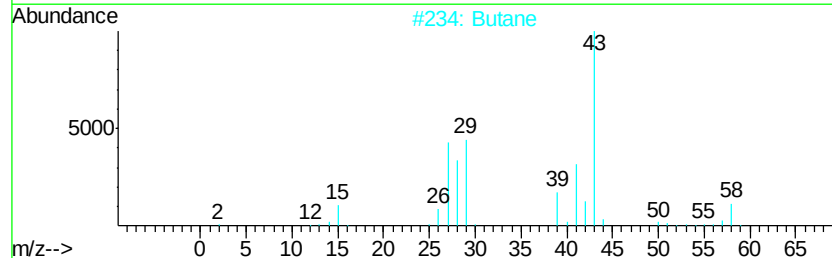
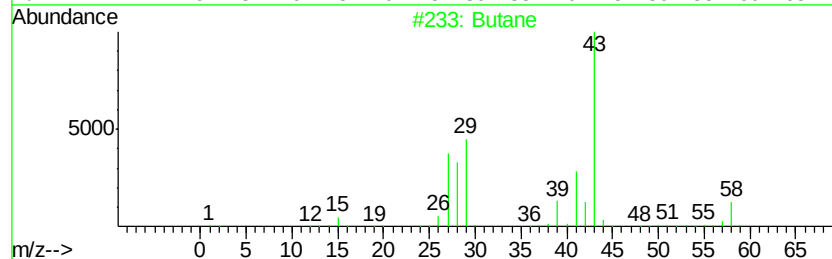
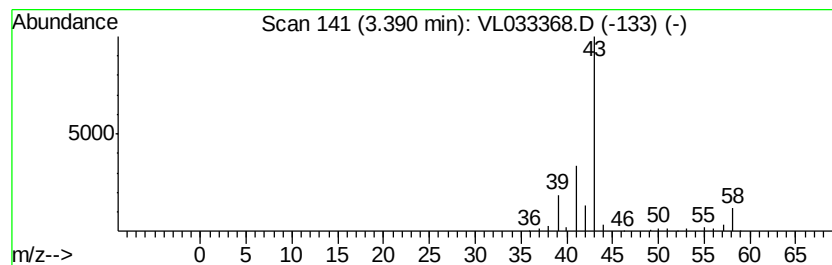
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	1.44 ppbv	496983	Bromochloromethane	5.76

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane		58	C4H10	000106-97-8	64
2	Butane		58	C4H10	000106-97-8	59
3	Butane		58	C4H10	000106-97-8	50
4	Propane, 1-nitro-		89	C3H7NO2	000108-03-2	9
5	Isobutane		58	C4H10	000075-28-5	5



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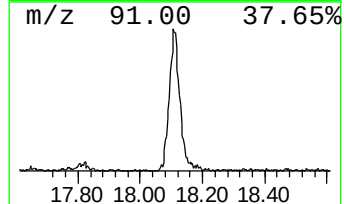
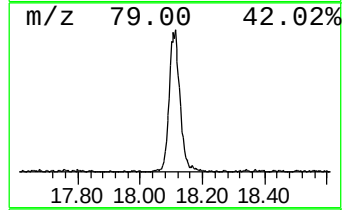
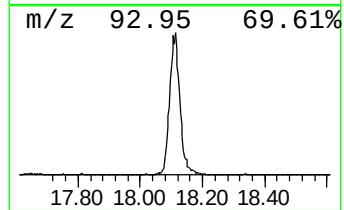
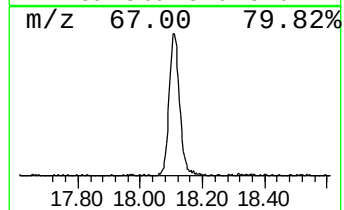
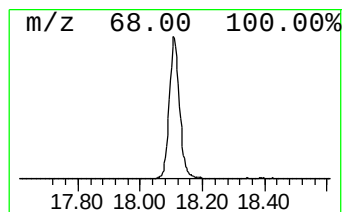
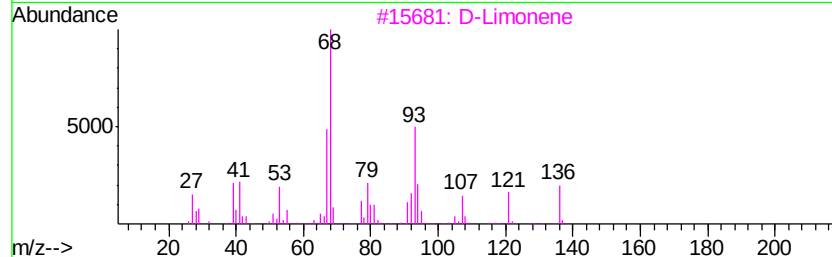
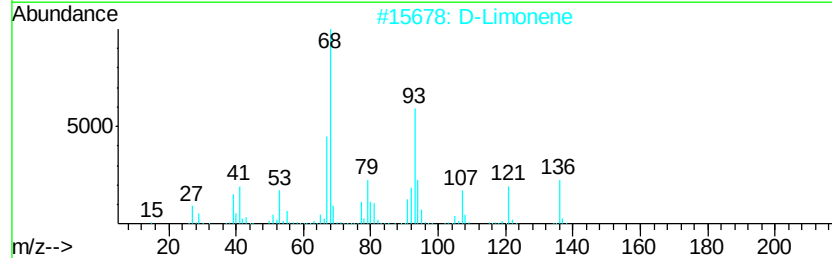
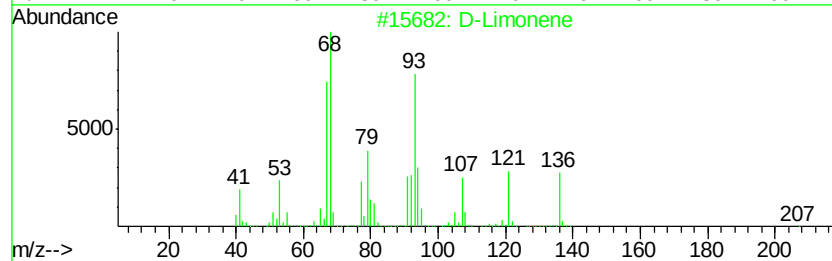
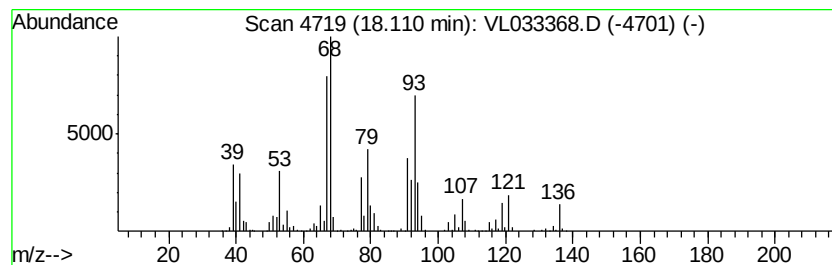
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	3.17 ppbv	1860020	Chlorobenzene-d5	12.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Limonene	136	C10H16	005989-27-5	98
2		D-Limonene	136	C10H16	005989-27-5	93
3		D-Limonene	136	C10H16	005989-27-5	93
4		Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	91
5		Limonene	136	C10H16	000138-86-3	86



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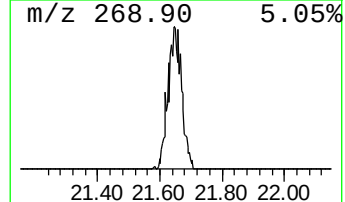
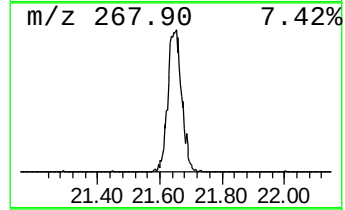
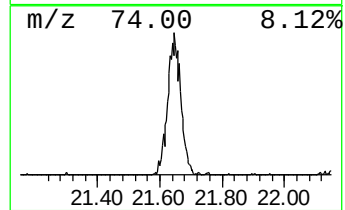
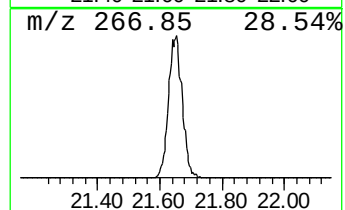
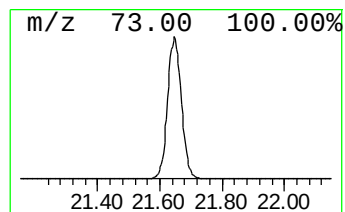
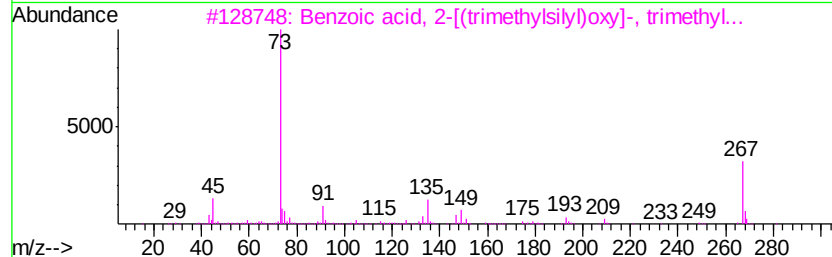
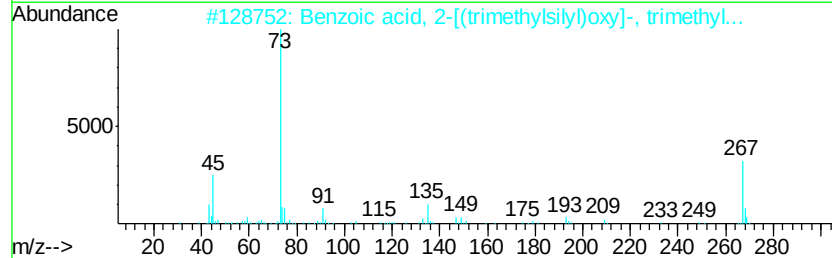
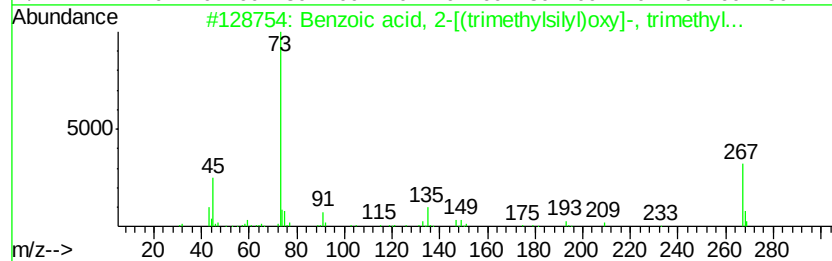
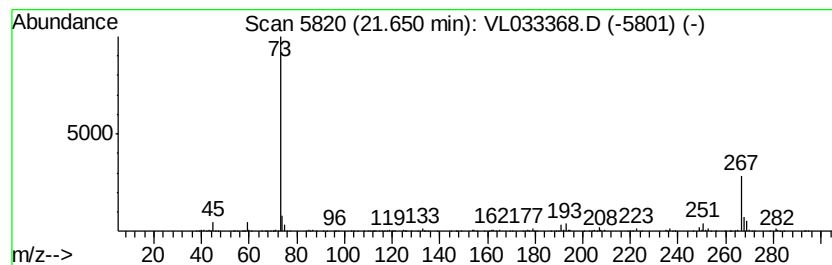
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown21.65 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.65	2.63 ppbv	1545280	Chlorobenzene-d5	12.24		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	45
2		Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	38
3		Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	38
4		Tetrasiloxane, 1,1,3,3,5,5,7,7-octamethyl-	282	C8H26O3Si4	001000-05-1	37
5		1-(3-Chlorophenyl)piperazine, 4-(2-chlorophenyl)-	268	C13H21ClN2Si	1000373-99-3	14



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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Isobutane	3.24	1.5	ppbv	511758	1	5.76	3454160	10.0
Butane	3.39	1.4	ppbv	496983	1	5.76	3454160	10.0
D-Limonene	18.11	3.2	ppbv	1860020	3	12.24	5874370	10.0
unknown21.65	21.65	2.6	ppbv	1545280	3	12.24	5874370	10.0