

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033366.D
 Acq On : 18 Mar 2019 20:04
 Operator : SY/AP
 Sample : K1827-09
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-9

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	2.988	8	16	21	rBV2	198954	276915	3.53%	0.635%
2	3.014	21	24	29	rVV2	135307	152946	1.95%	0.351%
3	3.046	29	34	40	rVV4	213569	283218	3.61%	0.649%
4	3.075	40	43	53	rVB2	89177	96619	1.23%	0.221%
5	3.236	84	93	108	rVB	412671	533567	6.80%	1.223%
6	3.393	133	142	152	rVB	390561	519100	6.62%	1.190%
7	3.650	207	222	246	rBV	1798927	3616407	46.12%	8.290%
8	3.898	290	299	317	rBV	550756	1000168	12.75%	2.293%
9	4.030	322	340	364	rBV	678904	1375028	17.54%	3.152%
10	4.187	379	389	400	rBV2	149669	226263	2.89%	0.519%
11	4.249	400	408	416	rVV4	104370	148448	1.89%	0.340%
12	4.406	453	457	468	rVB3	56136	82776	1.06%	0.190%
13	5.187	692	700	710	rVB3	162023	260599	3.32%	0.597%
14	5.332	734	745	756	rBV	82867	131943	1.68%	0.302%
15	5.454	773	783	795	rVB3	55004	101586	1.30%	0.233%
16	5.760	864	878	899	rBV4	1871154	3729994	47.57%	8.550%
17	7.001	1255	1264	1274	rVB3	58855	114894	1.47%	0.263%
18	7.287	1339	1353	1366	rBV	2234361	4099751	52.28%	9.398%
19	7.361	1366	1376	1389	rVB4	110024	216982	2.77%	0.497%
20	7.438	1389	1400	1412	rVB2	35866	78783	1.00%	0.181%
21	7.596	1434	1449	1464	rBV4	181840	371295	4.74%	0.851%
22	7.981	1553	1569	1572	rBV8	52050	88118	1.12%	0.202%
23	8.242	1636	1650	1662	rBV4	204508	399996	5.10%	0.917%
24	8.879	1836	1848	1858	rBV4	123525	265648	3.39%	0.609%
25	8.946	1858	1869	1885	rVB5	244351	532248	6.79%	1.220%
26	9.766	2111	2124	2135	rBV6	65686	146007	1.86%	0.335%
27	9.943	2163	2179	2198	rBV2	3746025	7841408	100.00%	17.975%
28	10.563	2360	2372	2383	rBV6	107458	230765	2.94%	0.529%
29	11.110	2527	2542	2556	rBV2	156025	329193	4.20%	0.755%
30	12.235	2872	2892	2910	rBV2	2665890	5840112	74.48%	13.387%
31	12.862	3078	3087	3101	rVB2	104114	219997	2.81%	0.504%
32	13.116	3157	3166	3167	rBV4	82537	101687	1.30%	0.233%
33	13.123	3167	3168	3182	rVB5	82215	106445	1.36%	0.244%
34	14.573	3601	3619	3640	rBV2	2830322	6241958	79.60%	14.308%

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Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

35	16.274	4145	4148	4161	rVB5	51061	85041	1.08%	0.195%
36	17.123	4397	4412	4413	rBV5	126332	201016	2.56%	0.461%
37	17.129	4413	4414	4429	rVB7	107735	126210	1.61%	0.289%
38	17.267	4444	4457	4475	rBV4	74022	182181	2.32%	0.418%
39	18.110	4701	4719	4744	rBV4	676900	1711264	21.82%	3.923%
40	21.647	5800	5819	5838	rBV2	517939	1557670	19.86%	3.571%

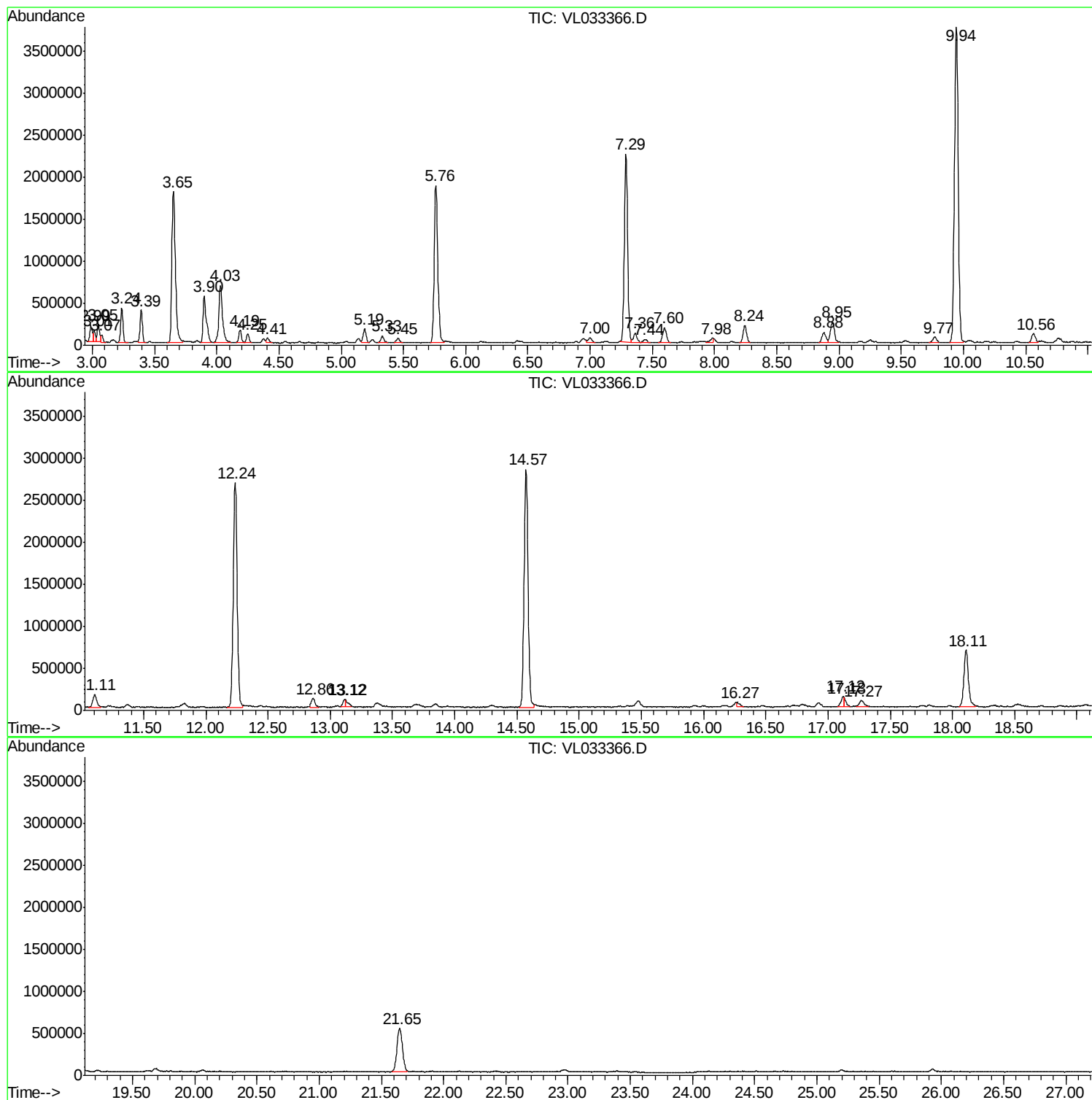
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

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



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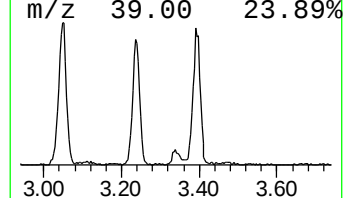
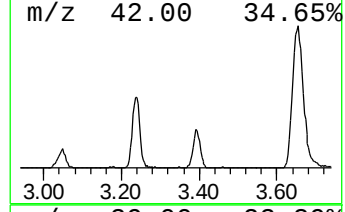
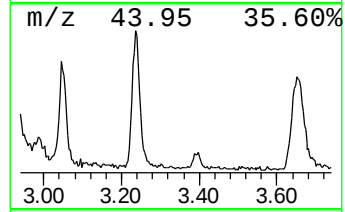
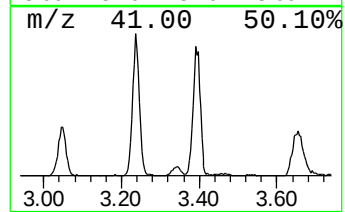
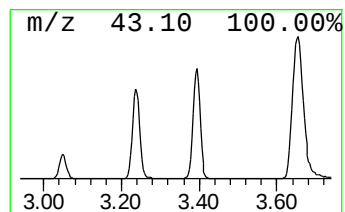
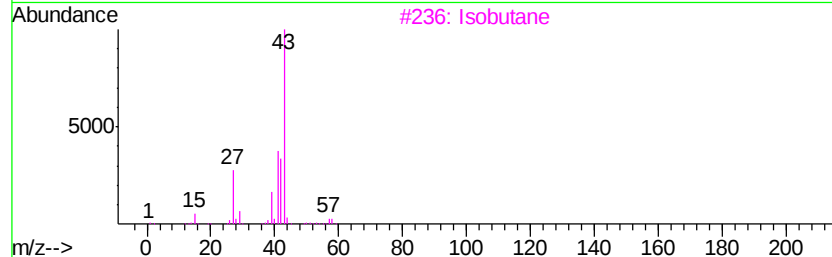
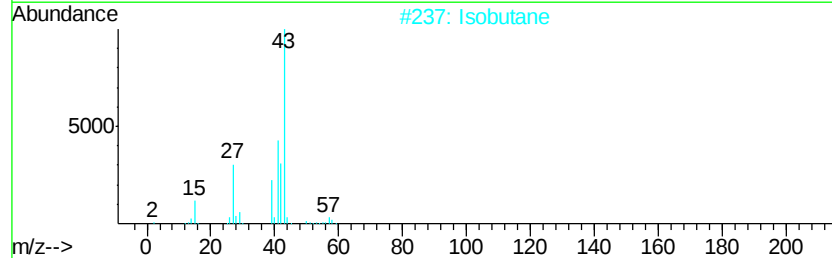
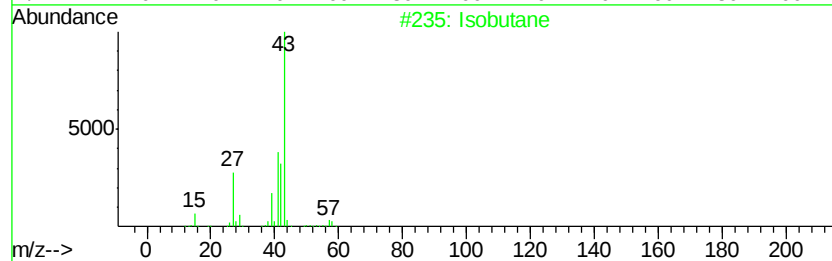
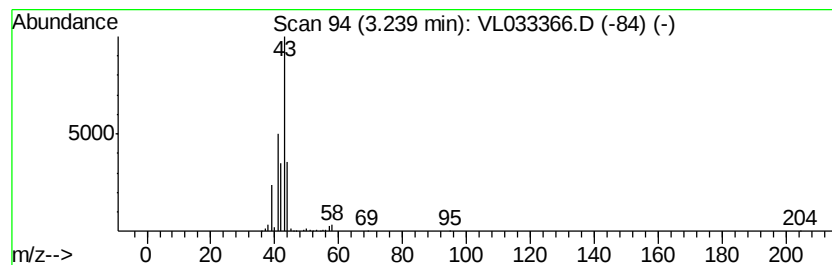
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Isobutane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	1.43 ppbv	533567	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 47
4	Propane, 2-nitro-		89 C3H7NO2	000079-46-9 9
5	Pyrimidine-2,4(1H,3H)-dione, 5-a...		156 C4H4N4O3	1000270-67-7 9



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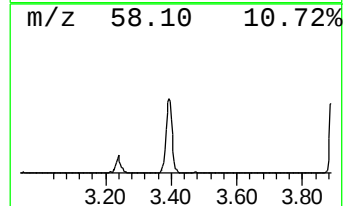
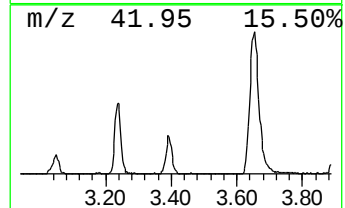
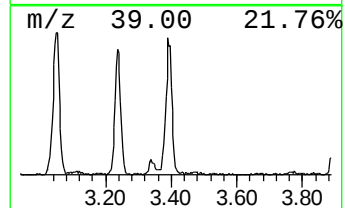
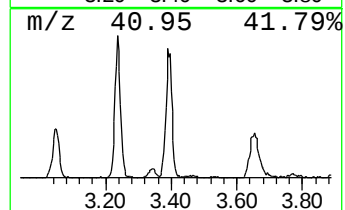
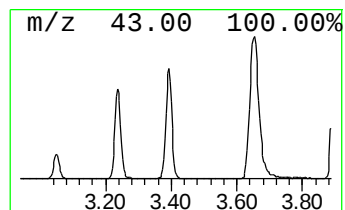
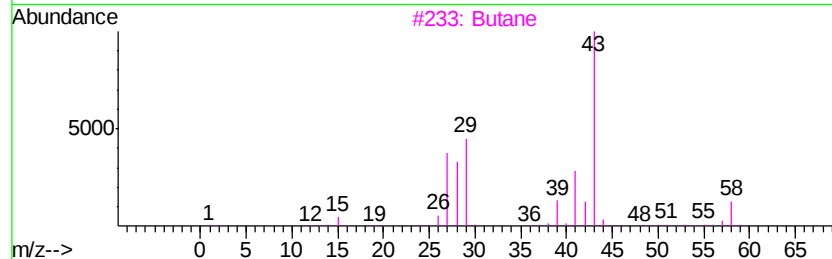
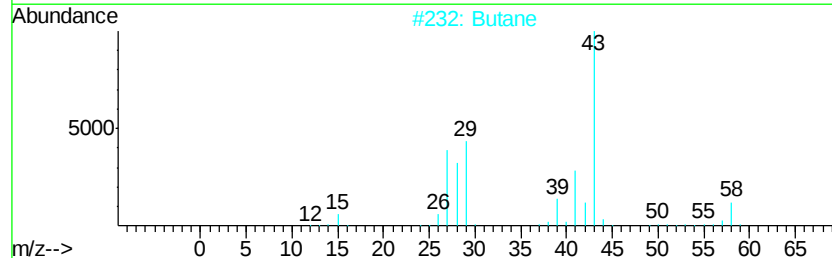
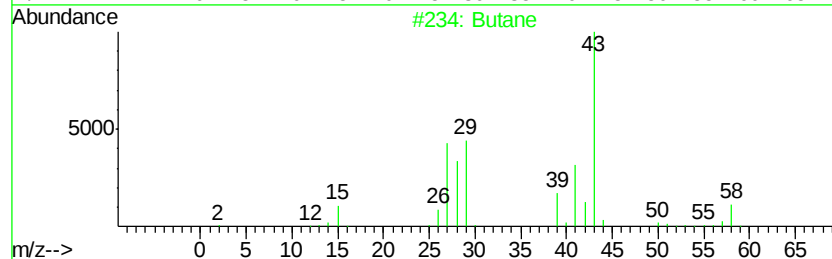
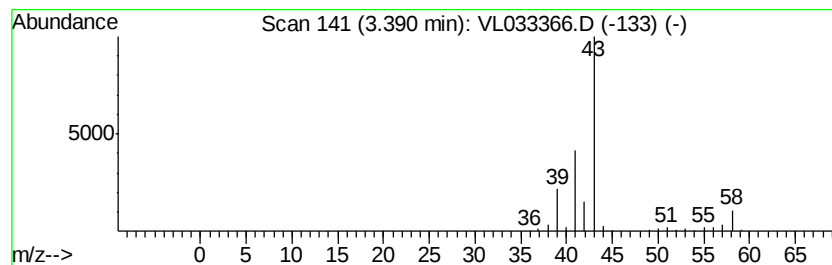
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Peak Number 2 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	1.39 ppbv	519100	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	45
3	Butane		58	C4H10	000106-97-8	9
4	Isopropylsulfonyl chloride		142	C3H7ClO2S	010147-37-2	9
5	Isobutane		58	C4H10	000075-28-5	7



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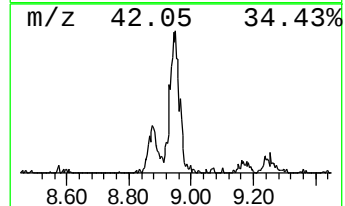
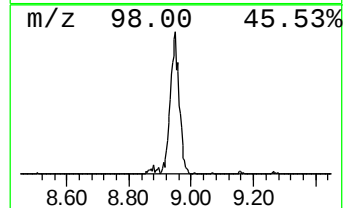
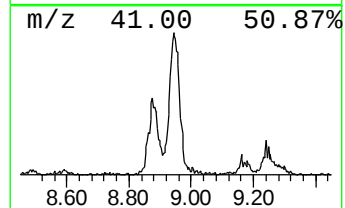
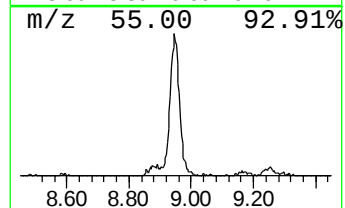
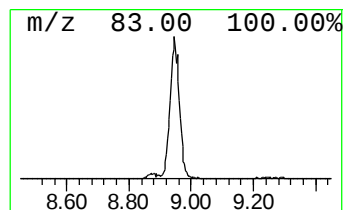
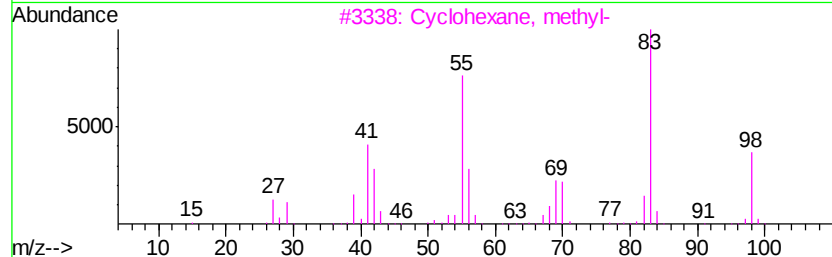
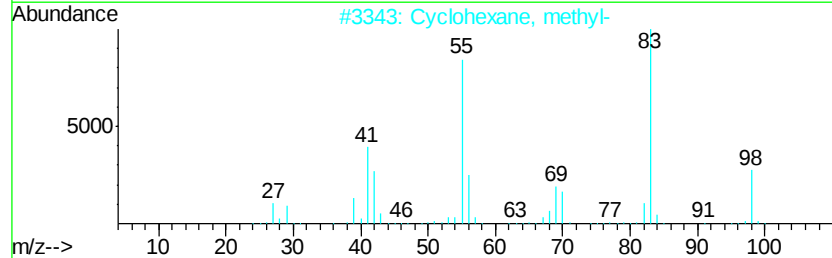
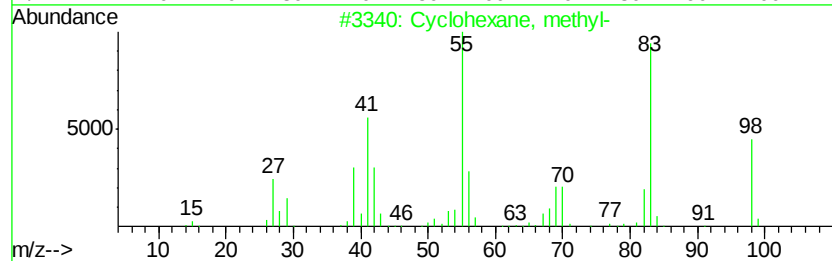
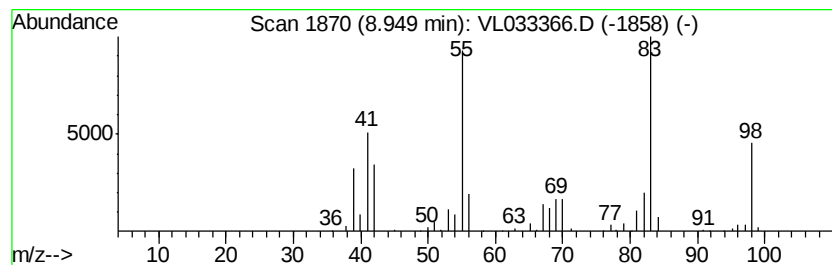
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	1.30 ppbv	532248	1,4-Difluorobenzene	7.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, methyl-	98	C7H14	000108-87-2	94
2		Cyclohexane, methyl-	98	C7H14	000108-87-2	91
3		Cyclohexane, methyl-	98	C7H14	000108-87-2	86
4		Cyclohexane, methyl-	98	C7H14	000108-87-2	72
5		1H-Pyrazole, 4,5-dihydro-1,5-dim...	98	C5H10N2	005775-96-2	59



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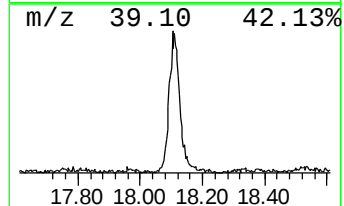
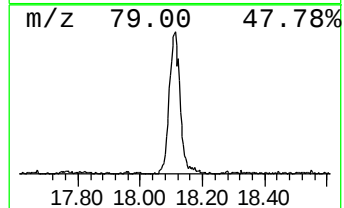
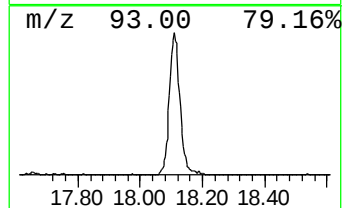
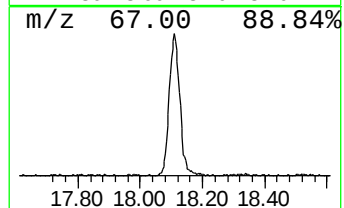
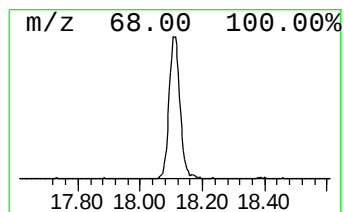
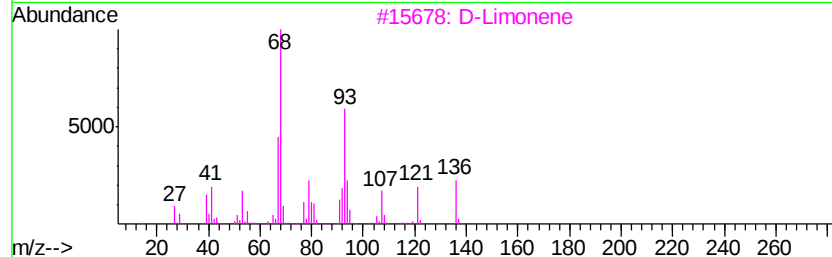
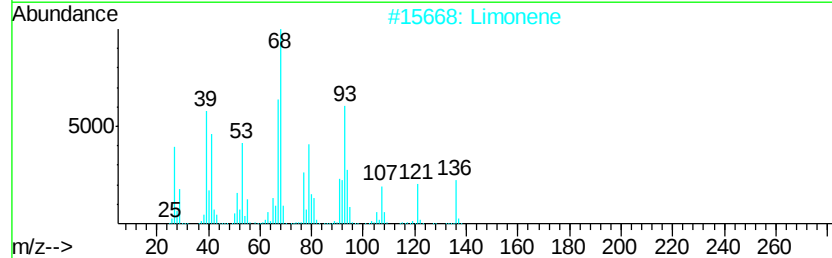
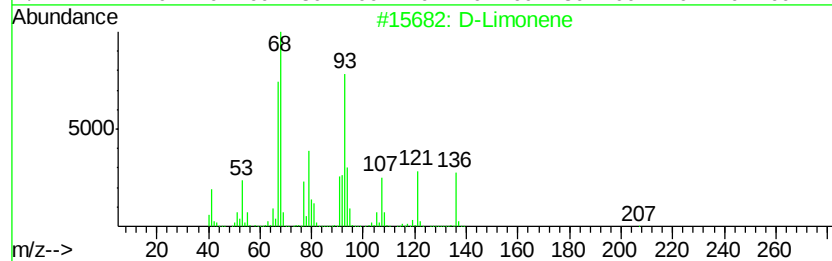
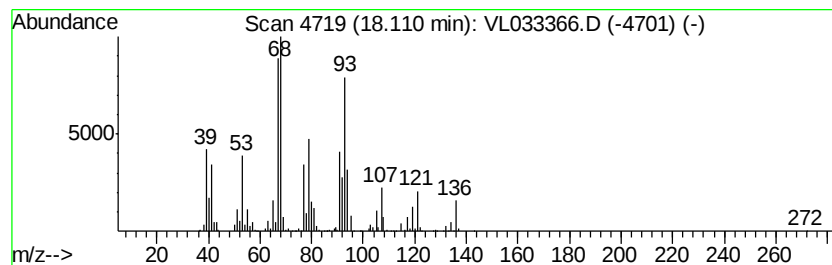
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	2.93 ppbv	1711260	Chlorobenzene-d5	12.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Limonene	136	C10H16	005989-27-5	96
2		Limonene	136	C10H16	000138-86-3	93
3		D-Limonene	136	C10H16	005989-27-5	87
4		D-Limonene	136	C10H16	005989-27-5	87
5		1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	76



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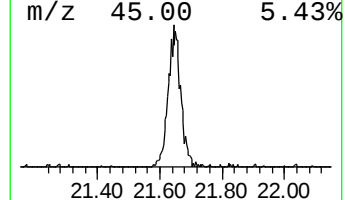
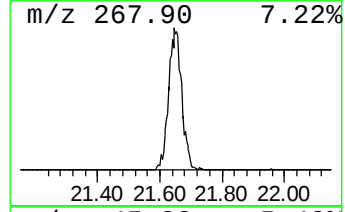
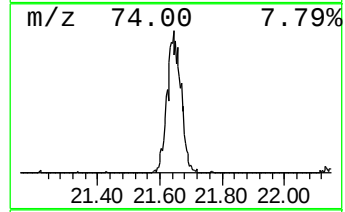
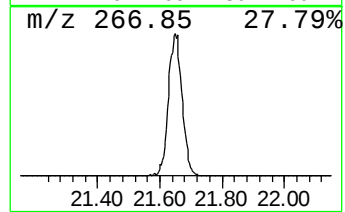
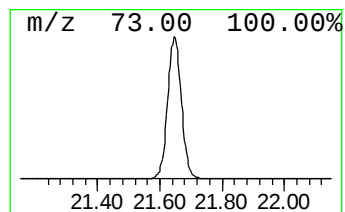
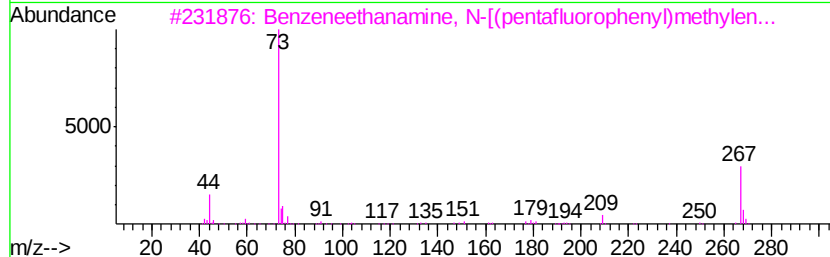
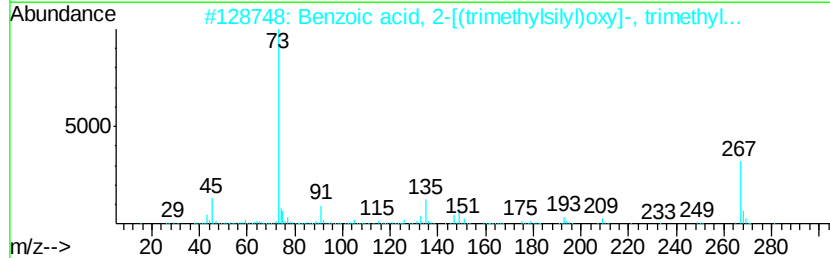
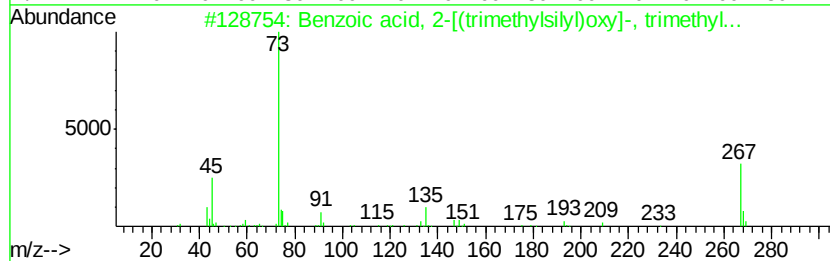
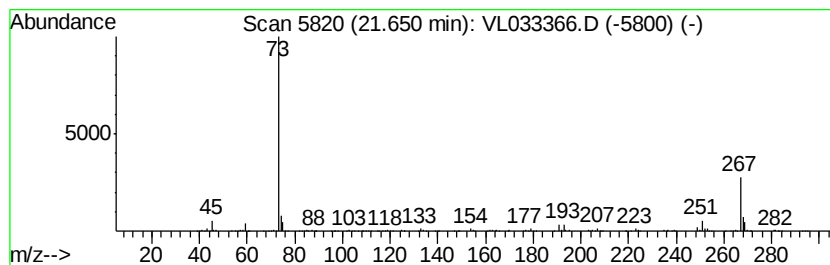
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown21.65 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.65	2.67 ppbv	1557670	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	42
2		Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	38
3		Benzeneethanamine, N-[(pentafluorophenyl)methyl]-	475	C21H26F5N2Si2	055429-85-1	37
4		Benzoic acid, 4-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	002078-13-9	25
5		1-(3-Chlorophenyl)piperazine, 4-(3-chlorophenyl)-	268	C13H21ClN2Si	1000373-99-3	22



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\
Data File : VL033366.D
Acq On : 18 Mar 2019 20:04
Operator : SY/AP
Sample : K1827-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-9

Quant Method : Z:\VOASRV\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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Isobutane	3.24	1.4	ppbv	533567	1	5.76	3729990	10.0
Butane	3.39	1.4	ppbv	519100	1	5.76	3729990	10.0
Cyclohexane, methyl-	8.95	1.3	ppbv	532248	2	7.29	4099750	10.0
D-Limonene	18.11	2.9	ppbv	1711260	3	12.24	5840110	10.0
unknown	21.65	2.7	ppbv	1557670	3	12.24	5840110	10.0