

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033345.D
 Acq On : 16 Mar 2019 00:24
 Operator : SY/AP
 Sample : K1827-07
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-7

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	2.992	8	17	21	rBV	232327	317060	3.88%	0.626%
2	3.017	21	25	29	rVV2	187760	220443	2.70%	0.436%
3	3.049	29	35	51	rVB3	389672	602078	7.36%	1.190%
4	3.239	83	94	105	rBV2	1302994	1637169	20.02%	3.235%
5	3.397	133	143	156	rVB	797046	1048547	12.82%	2.072%
6	3.654	212	223	246	rBV	2111650	4454903	54.47%	8.802%
7	3.902	289	300	305	rVV	844059	1253748	15.33%	2.477%
8	3.927	305	308	321	rVB3	571095	681991	8.34%	1.348%
9	4.033	326	341	363	rBV2	828942	1748489	21.38%	3.455%
10	4.191	380	390	400	rBV2	290859	422840	5.17%	0.835%
11	4.252	400	409	419	rVB4	122182	184321	2.25%	0.364%
12	4.410	451	458	470	rVB	212599	343694	4.20%	0.679%
13	5.139	675	685	692	rBV5	65486	117378	1.44%	0.232%
14	5.194	692	702	713	rVV	191697	320905	3.92%	0.634%
15	5.332	734	745	759	rBV2	111427	190195	2.33%	0.376%
16	5.461	775	785	798	rVB3	64012	117066	1.43%	0.231%
17	5.763	866	879	899	rBV4	2076118	4015450	49.10%	7.934%
18	6.946	1236	1247	1256	rBV5	53070	118934	1.45%	0.235%
19	7.004	1256	1265	1275	rVB3	67000	125386	1.53%	0.248%
20	7.294	1342	1355	1369	rVV	2415535	4480580	54.78%	8.853%
21	7.368	1369	1378	1390	rVB3	99469	196697	2.40%	0.389%
22	7.602	1434	1451	1462	rBV5	167036	352593	4.31%	0.697%
23	8.249	1640	1652	1665	rBV5	203703	397735	4.86%	0.786%
24	8.885	1834	1850	1860	rBV4	116828	273831	3.35%	0.541%
25	8.953	1860	1871	1885	rVB3	258291	559538	6.84%	1.106%
26	9.776	2114	2127	2139	rBV6	55895	128486	1.57%	0.254%
27	9.950	2161	2181	2199	rBV	3899805	8178765	100.00%	16.160%
28	10.567	2357	2373	2386	rBV6	143486	317378	3.88%	0.627%
29	10.773	2431	2437	2447	rVB4	46902	86658	1.06%	0.171%
30	11.113	2529	2543	2556	rBV2	128303	277638	3.39%	0.549%
31	12.242	2876	2894	2918	rBV2	2767149	6119592	74.82%	12.092%
32	12.869	3073	3089	3101	rBV3	97452	219855	2.69%	0.434%
33	13.123	3154	3168	3169	rBV3	126720	163896	2.00%	0.324%
34	13.129	3169	3170	3190	rVB4	123089	212111	2.59%	0.419%

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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	13.383	3234	3249	3259	rBV6	61507	162243	1.98%	0.321%
36	13.850	3385	3394	3407	rVB4	58346	119981	1.47%	0.237%
37	14.580	3604	3621	3640	rBV2	2692949	6009213	73.47%	11.873%
38	15.480	3889	3901	3902	rBV3	60739	86429	1.06%	0.171%
39	16.277	4133	4149	4164	rBV7	71763	203771	2.49%	0.403%
40	17.123	4400	4412	4413	rBV6	118486	145639	1.78%	0.288%
41	17.132	4413	4415	4429	rVB3	120604	161003	1.97%	0.318%
42	17.274	4447	4459	4480	rVB5	84076	215211	2.63%	0.425%
43	18.116	4701	4721	4744	rBV6	592621	1541643	18.85%	3.046%
44	21.653	5798	5821	5845	rBV	661386	2079281	25.42%	4.108%

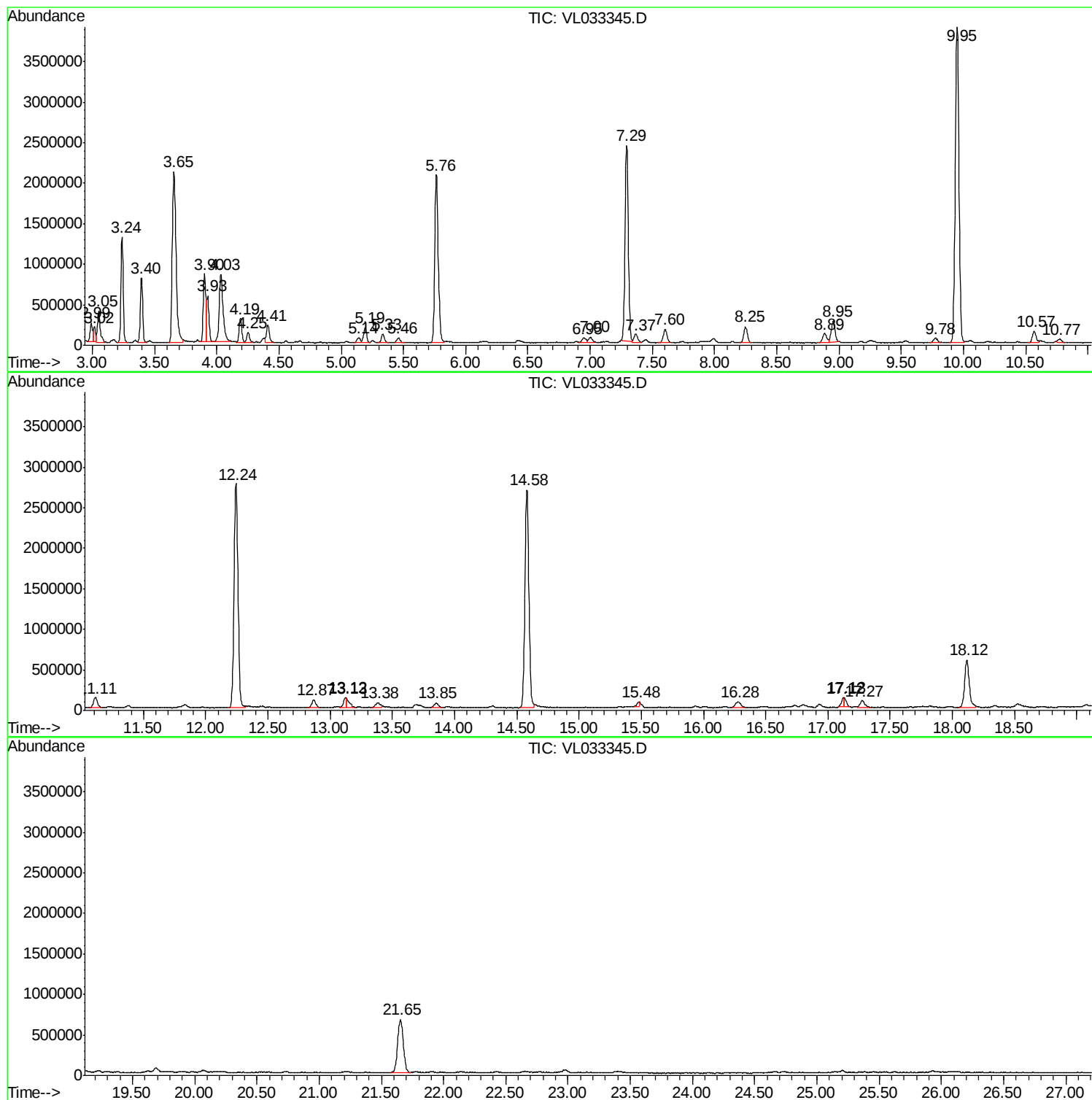
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

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



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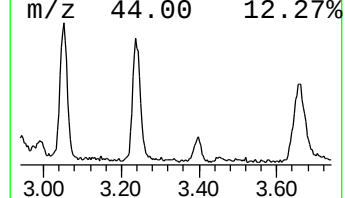
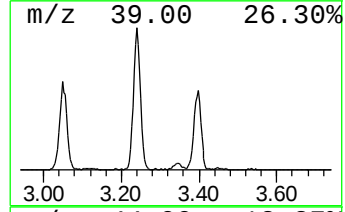
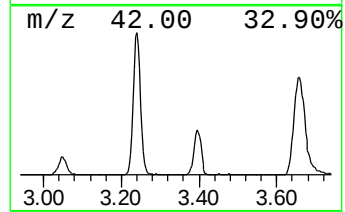
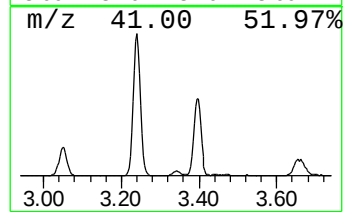
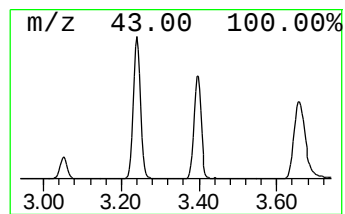
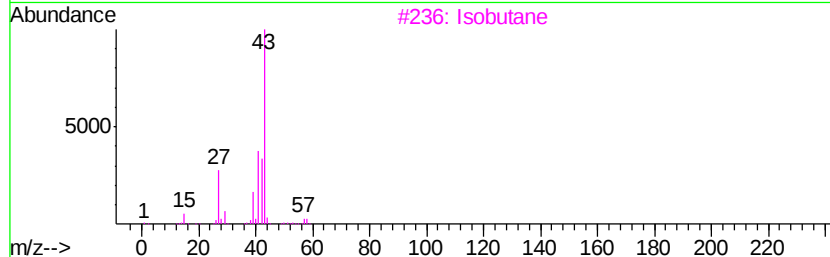
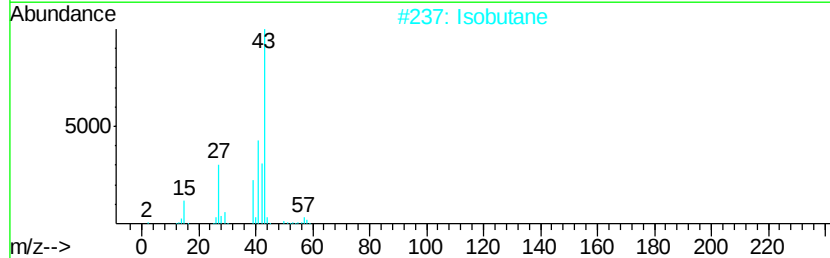
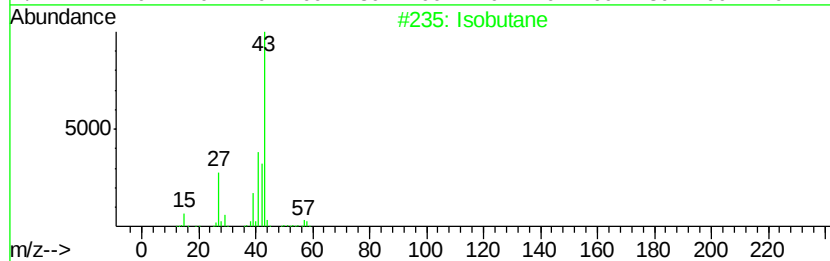
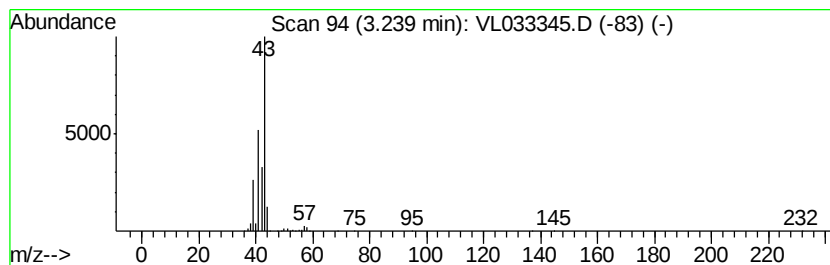
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

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

Peak Number 1 Isobutane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	4.08 ppbv	1637170	Bromochloromethane	5.76
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Isobutane	58 C4H10	000075-28-5	59
2	Isobutane	58 C4H10	000075-28-5	59
3	Isobutane	58 C4H10	000075-28-5	38
4	Propene	42 C3H6	000115-07-1	5
5	Borane, trimethyl-	56 C3H9B	000593-90-8	4



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Instrument :
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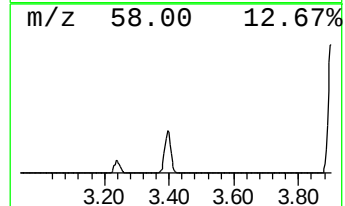
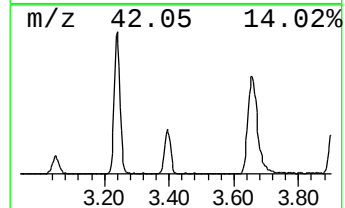
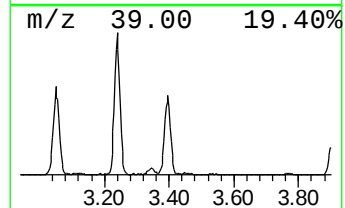
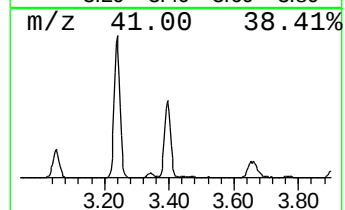
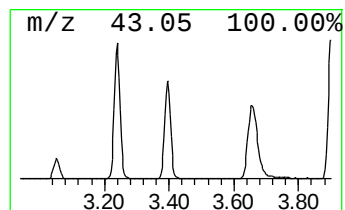
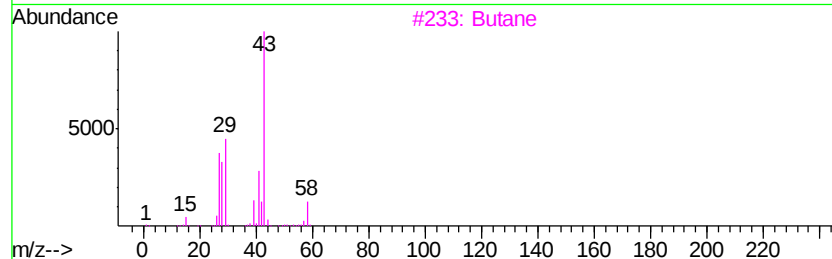
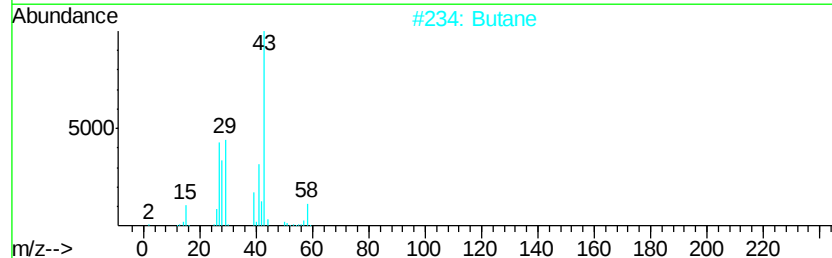
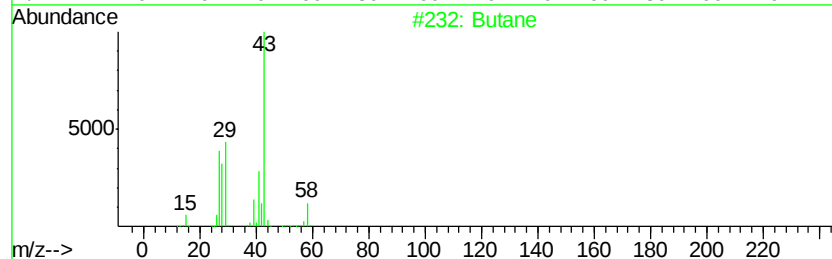
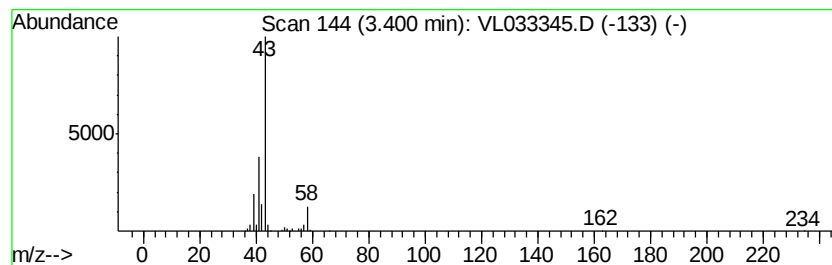
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Butane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.40	2.61 ppbv	1048550	Bromochloromethane	5.76

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	64
4	Isopropylsulfonyl chloride		142	C3H7ClO2S	010147-37-2	9
5	Isobutane		58	C4H10	000075-28-5	9



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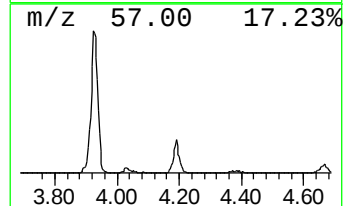
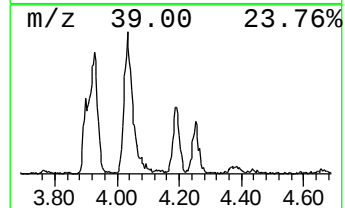
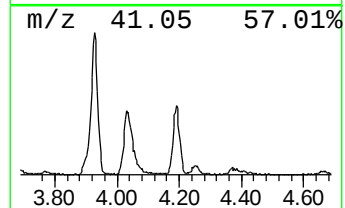
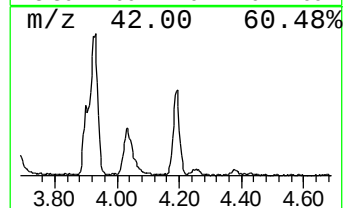
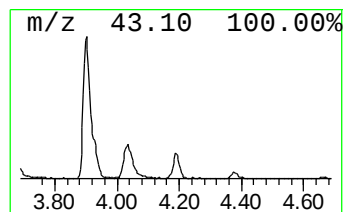
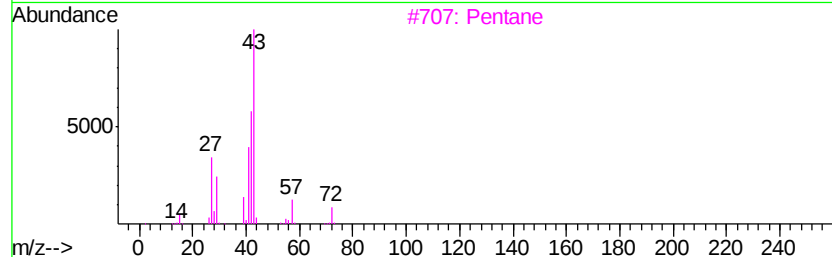
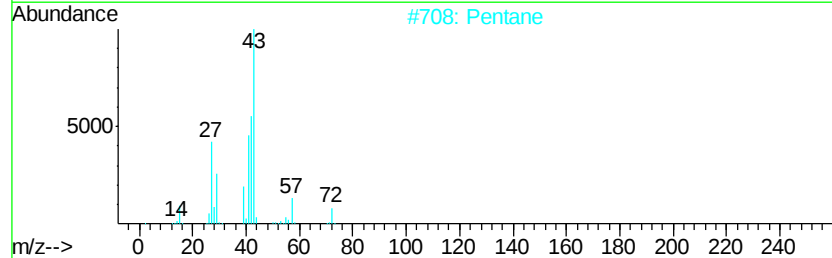
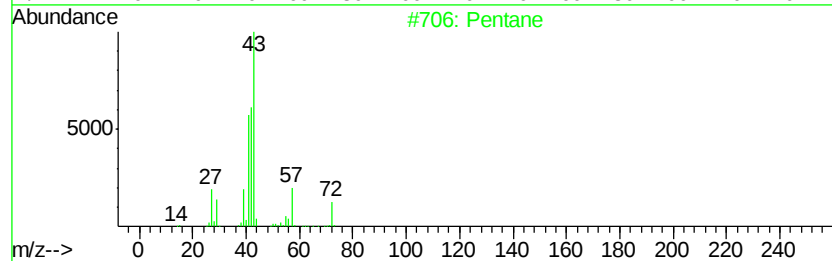
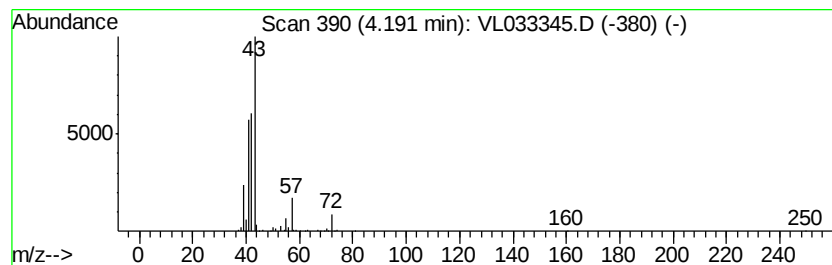
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

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

Peak Number 3 Pentane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.19	1.05 ppbv	422840	Bromochloromethane	5.76

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane		72	C5H12	000109-66-0	86
2	Pentane		72	C5H12	000109-66-0	86
3	Pentane		72	C5H12	000109-66-0	72
4	Butane, 2-methyl-		72	C5H12	000078-78-4	64
5	Butane, 2-methyl-		72	C5H12	000078-78-4	50



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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

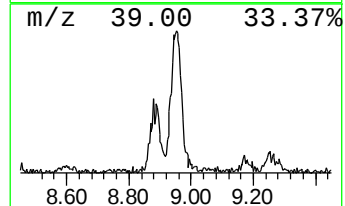
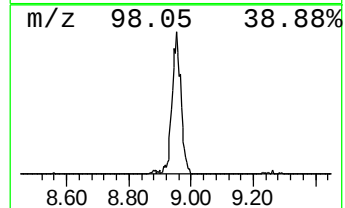
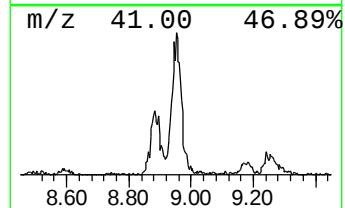
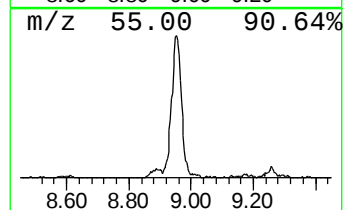
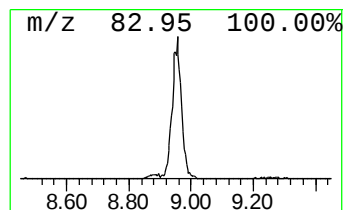
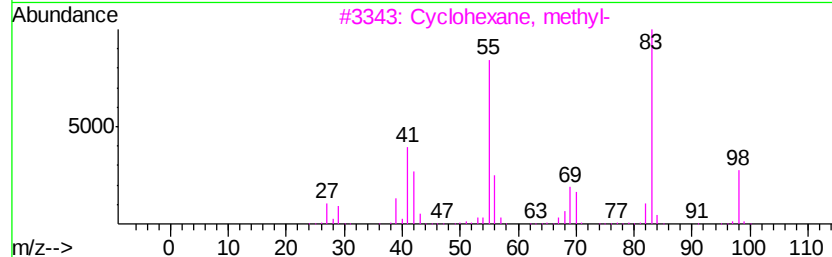
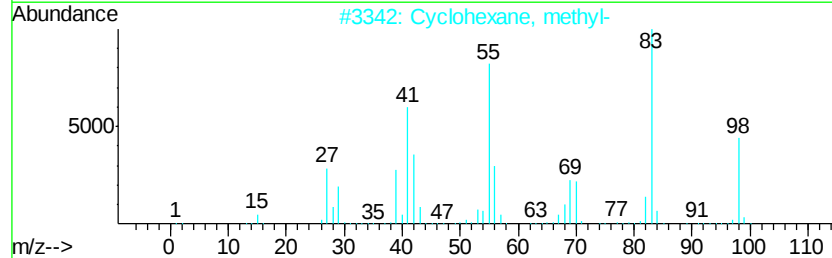
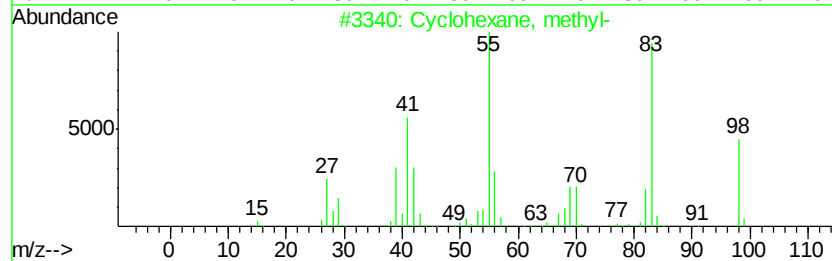
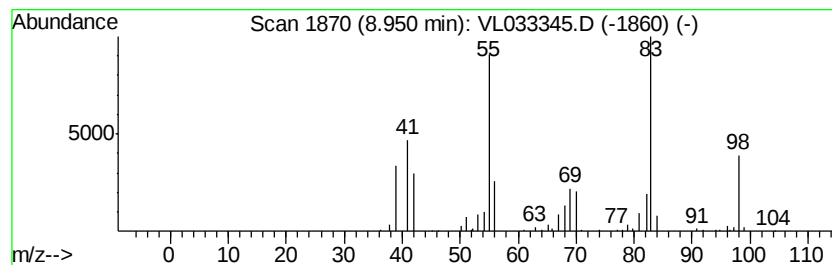
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclohexane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.95	1.25 ppbv	559538	1,4-Difluorobenzene	7.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, methyl-	98	C7H14	000108-87-2	93
2	Cvclohexane, methyl-	98	C7H14	000108-87-2	83
3	Cvclohexane, methyl-	98	C7H14	000108-87-2	64
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	58
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	58



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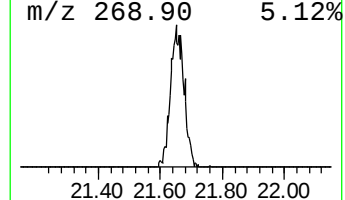
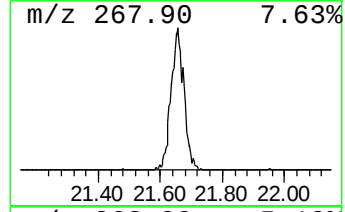
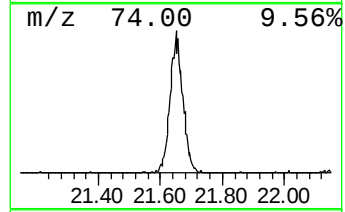
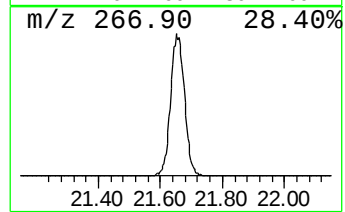
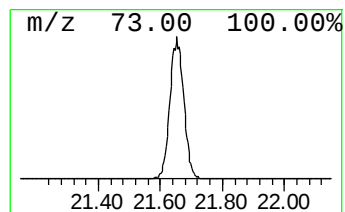
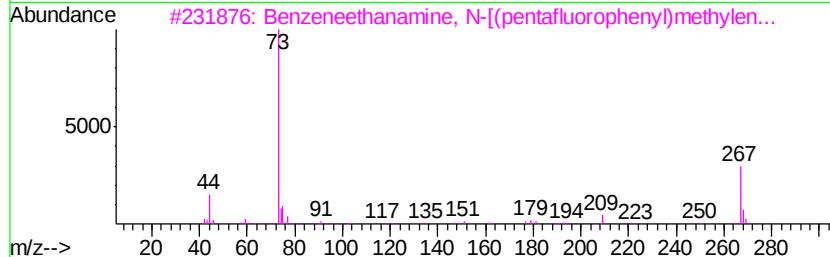
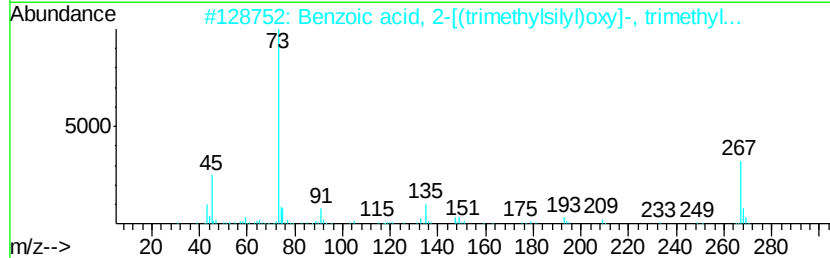
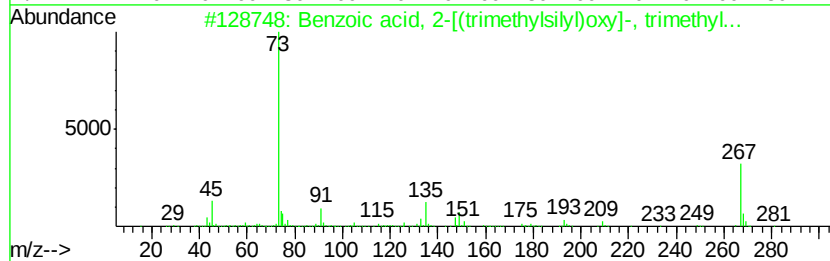
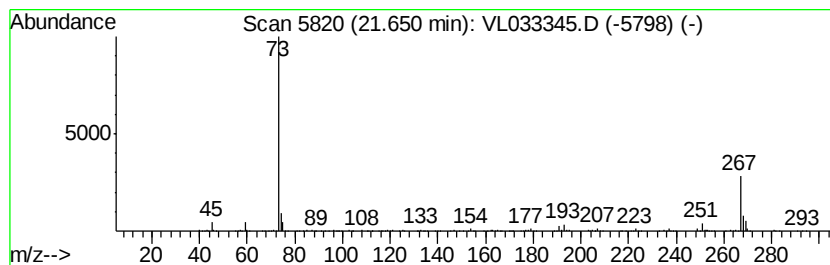
Instrument :
MSVOA_L
ClientSampleId :
A-7

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

Peak Number 6 unknown21.65 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.65	3.40 ppbv	2079280	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	38
2		Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	38
3		Benzeneethanamine, N-[(pentafluorophenyl)methyl]...	475	C21H26F5N02Si2	055429-85-1	37
4		1-Boraindane, 3-methyl-1-[1-(tri-...]	266	C17H23BSi	190316-36-0	25
5		1-(3-Chlorophenyl)piperazine, 4-...	268	C13H21ClN2Si	1000373-99-3	22



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033345.D
Acq On : 16 Mar 2019 00:24
Operator : SY/AP
Sample : K1827-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-7

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	4.1	ppbv	1637170	1	5.76	4015450	10.0
Butane	3.40	2.6	ppbv	1048550	1	5.76	4015450	10.0
Pentane	4.19	1.1	ppbv	422840	1	5.76	4015450	10.0
Cyclohexane, methyl-	8.95	1.3	ppbv	559538	2	7.29	4480580	10.0
D-Limonene	18.12	2.5	ppbv	1541640	3	12.24	6119590	10.0
unknown21.65	21.65	3.4	ppbv	2079280	3	12.24	6119590	10.0