

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032639.D
 Acq On : 17 Oct 2018 13:50
 Operator : SY/AP
 Sample : J5500-02 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVI

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\VL101718AIR.M
 Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.053	23	36	51	rBV3	3621737	6591523	5.66%	1.433%
2	3.252	87	98	112	rBV2	3175141	4441763	3.81%	0.966%
3	3.358	120	131	140	rBV2	3089886	5296680	4.55%	1.151%
4	3.406	140	146	155	rVV	2828286	3863895	3.32%	0.840%
5	3.679	218	231	252	rBV	708532	1487971	1.28%	0.323%
6	3.946	302	314	333	rBV3	4408589	8054056	6.92%	1.751%
7	4.081	333	356	368	rBV2	1524739	2829652	2.43%	0.615%
8	4.207	386	395	405	rVB	2088193	3041997	2.61%	0.661%
9	4.274	405	416	431	rVB2	763882	1869802	1.61%	0.406%
10	4.371	433	446	457	rBV	2729696	4898733	4.21%	1.065%
11	4.663	519	537	553	rBV5	750803	1806050	1.55%	0.393%
12	5.069	655	663	679	rVB	786055	1418069	1.22%	0.308%
13	5.210	697	707	720	rVB3	1217603	2477488	2.13%	0.539%
14	5.297	725	734	745	rVV2	682053	1211680	1.04%	0.263%
15	5.374	745	758	773	rVB	1591166	2898163	2.49%	0.630%
16	5.586	804	824	841	rBV4	2450155	6189039	5.31%	1.345%
17	5.805	876	892	900	rBV3	3621725	7924835	6.80%	1.723%
18	5.872	900	913	914	rVV	46273025	59945539	51.47%	13.032%
19	5.892	914	919	953	rVB3	56726409	116458988	100.00%	25.318%
20	6.130	981	993	1008	rVB7	535473	1280172	1.10%	0.278%
21	6.454	1081	1094	1106	rBV3	561119	1348910	1.16%	0.293%
22	6.625	1132	1147	1162	rBV6	1113895	2315422	1.99%	0.503%
23	6.917	1228	1238	1246	rVV2	847705	1347229	1.16%	0.293%
24	6.982	1246	1258	1268	rVV5	785834	1715343	1.47%	0.373%
25	7.049	1268	1279	1297	rVB	3826166	7587832	6.52%	1.650%
26	7.178	1297	1319	1339	rBV	33479457	97739108	83.93%	21.248%
27	7.329	1355	1366	1379	rVV	4232281	8730212	7.50%	1.898%
28	7.393	1379	1386	1403	rVB2	976041	2133131	1.83%	0.464%
29	7.631	1444	1460	1473	rBV7	926381	2518033	2.16%	0.547%
30	7.898	1519	1543	1553	rBV5	438167	1366037	1.17%	0.297%
31	7.994	1553	1573	1601	rVB4	3071884	9779901	8.40%	2.126%
32	8.284	1649	1663	1675	rBV4	1402494	3105948	2.67%	0.675%
33	8.904	1830	1856	1869	rBV4	415979	1607293	1.38%	0.349%
34	8.985	1869	1881	1896	rVB3	1032216	2293293	1.97%	0.499%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

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\VL101718AIR.M
Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018

35	9.978	2171	2190	2205	rVB	3991059	8572409	7.36%	1.864%
36	10.223	2252	2266	2275	rBV3	524745	1188266	1.02%	0.258%
37	10.898	2452	2476	2489	rBV2	966820	2341075	2.01%	0.509%
38	11.245	2566	2584	2605	rBV4	1004998	2449579	2.10%	0.533%
39	11.850	2747	2772	2789	rBV2	2131763	6175803	5.30%	1.343%
40	12.264	2885	2901	2919	rVV	4415558	9933640	8.53%	2.160%
41	12.891	3080	3096	3118	rVB3	574303	1463774	1.26%	0.318%
42	13.142	3163	3174	3197	rVB	744850	2318788	1.99%	0.504%
43	14.322	3524	3541	3556	rBV5	563531	1257319	1.08%	0.273%
44	14.599	3609	3627	3644	rBV2	4230725	9991987	8.58%	2.172%
45	17.142	4398	4418	4448	rVB3	4545506	13342741	11.46%	2.901%
46	17.724	4580	4599	4616	rBV2	1271438	3808087	3.27%	0.828%
47	21.669	5800	5826	5851	rBV	2764046	9573498	8.22%	2.081%

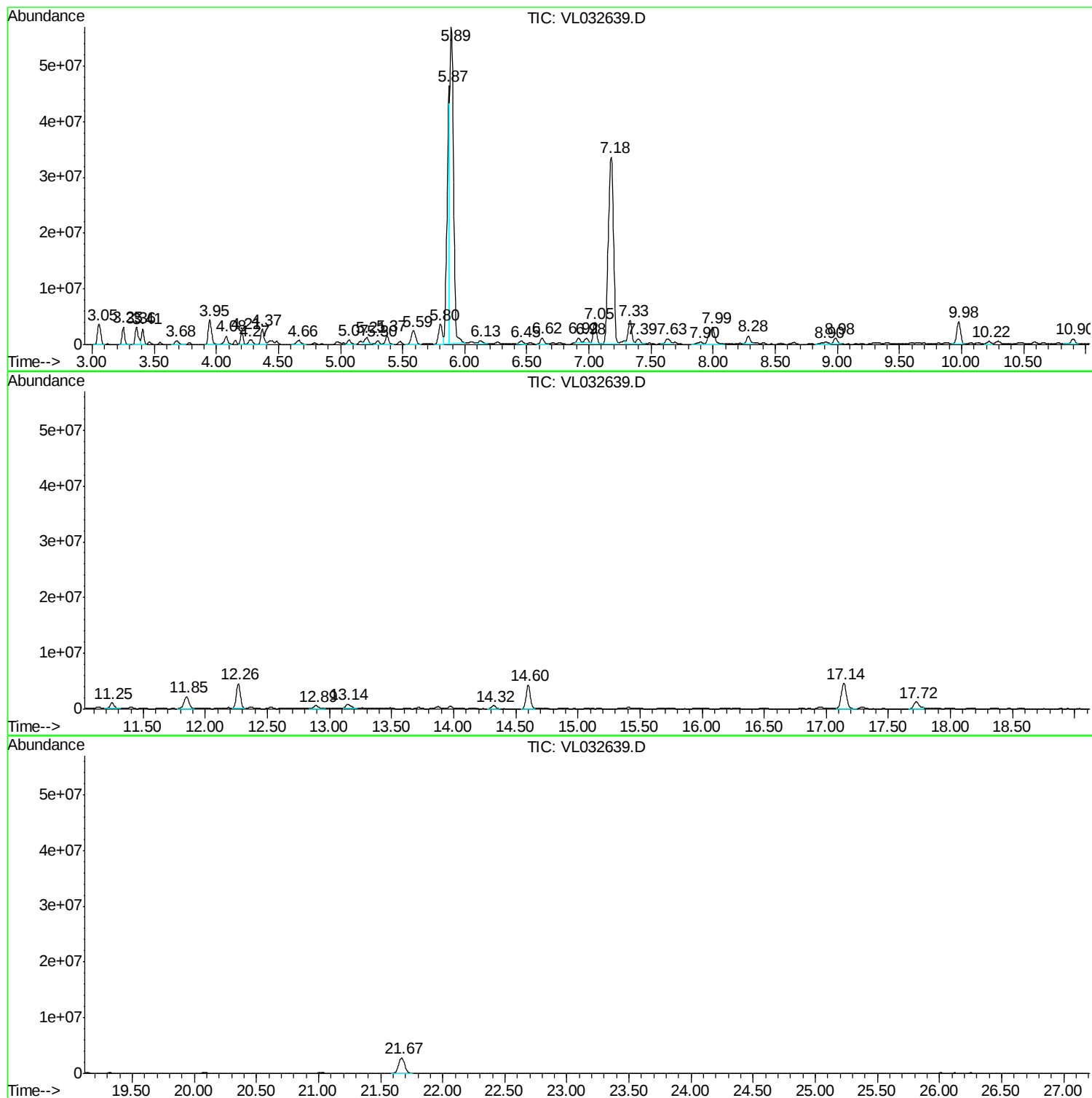
Sum of corrected areas: 459990753

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

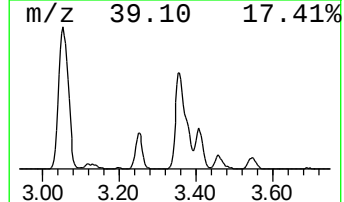
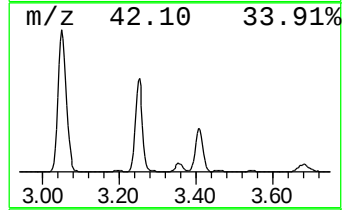
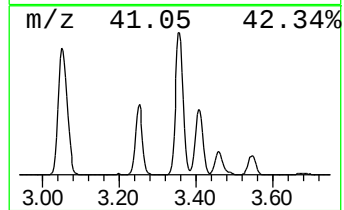
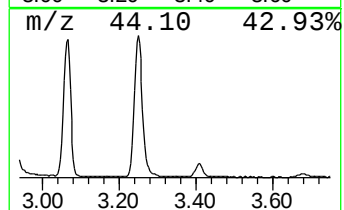
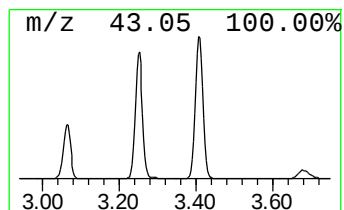
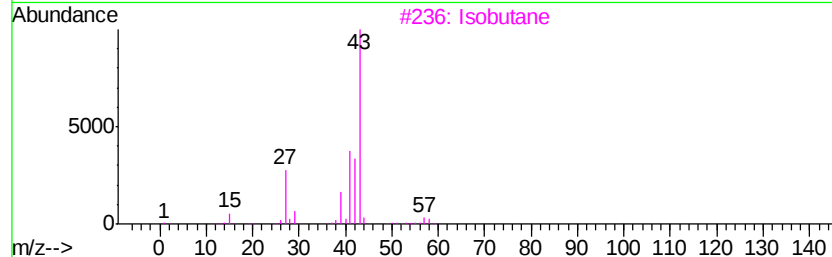
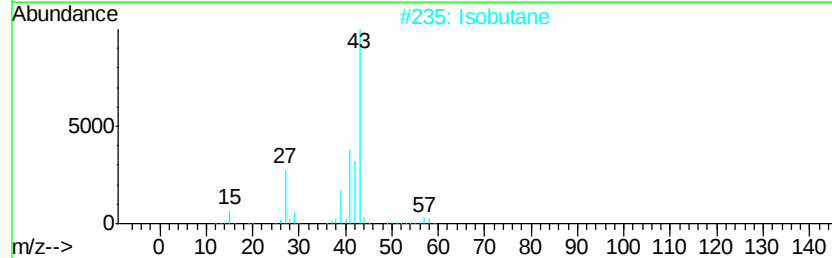
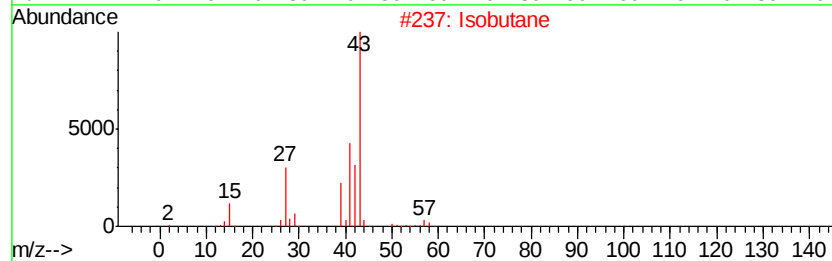
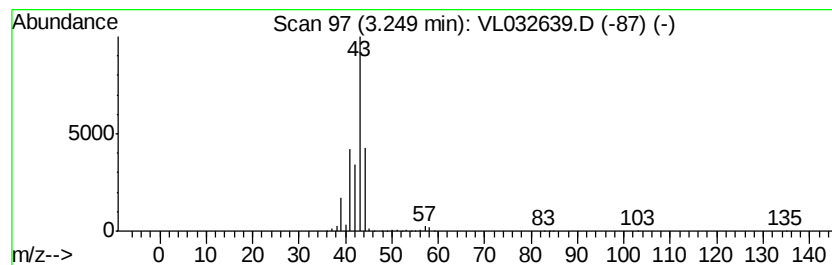
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 1 unknown3.25 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.25	5.60 ppbv	4441760	Bromochloromethane	5.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	43
2	Isobutane	58	C4H10	000075-28-5	43
3	Isobutane	58	C4H10	000075-28-5	38
4	Pyrimidine-2,4(1H,3H)-dione, 5-a...	156	C4H4N4O3	1000270-67-7	9
5	Isobutane	58	C4H10	000075-28-5	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

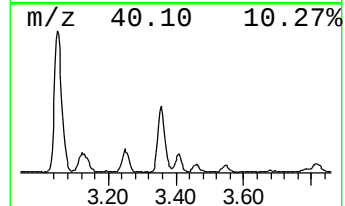
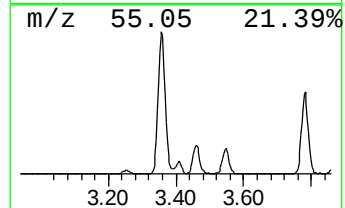
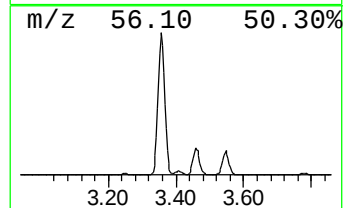
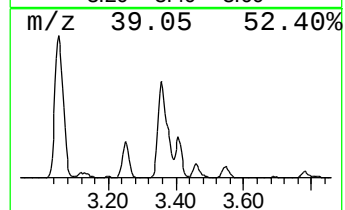
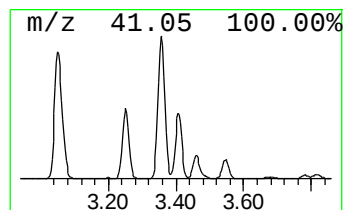
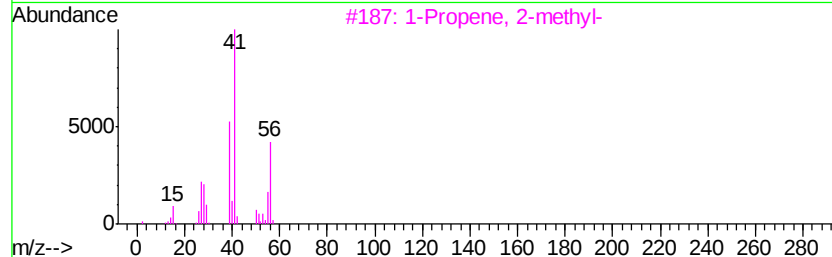
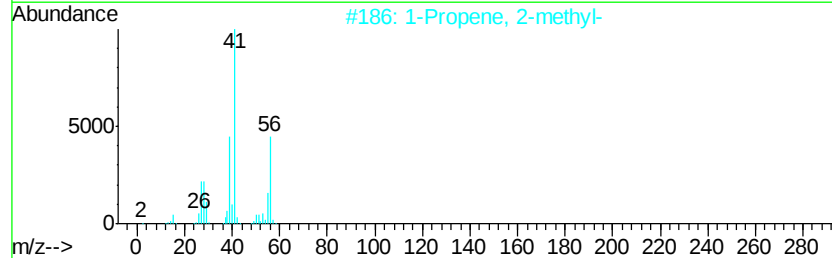
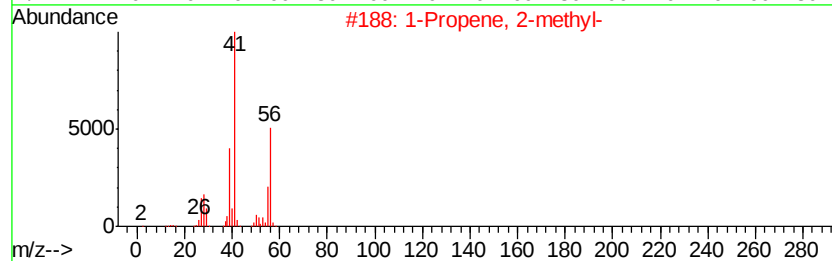
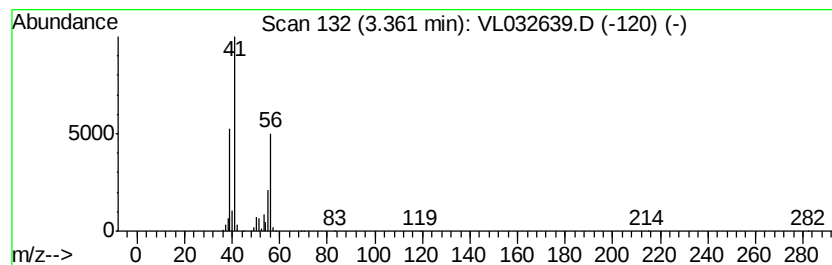
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 2 1-Propene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.36	6.68 ppbv	5296680	Bromochloromethane	5.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-			56	C4H8	000115-11-7	91
2	1-Propene, 2-methyl-			56	C4H8	000115-11-7	91
3	1-Propene, 2-methyl-			56	C4H8	000115-11-7	80
4	2-Butene, (Z)-			56	C4H8	000590-18-1	52
5	1-Butene			56	C4H8	000106-98-9	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

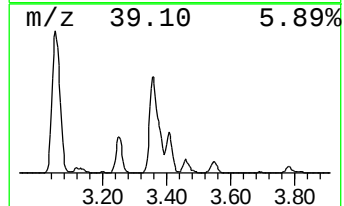
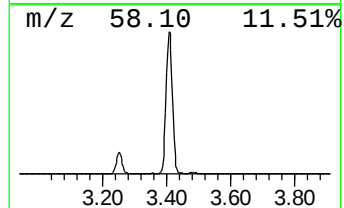
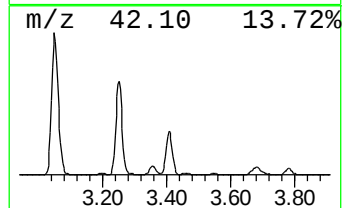
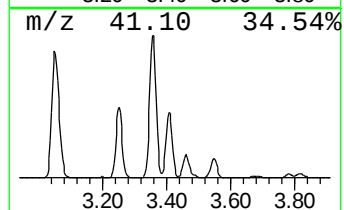
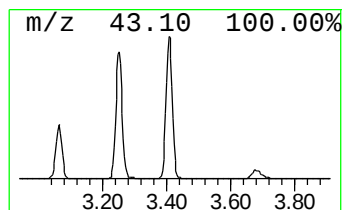
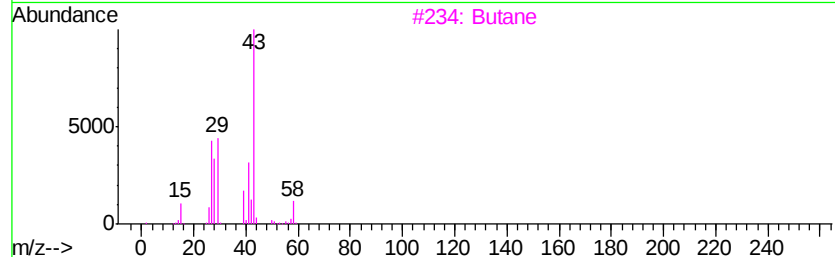
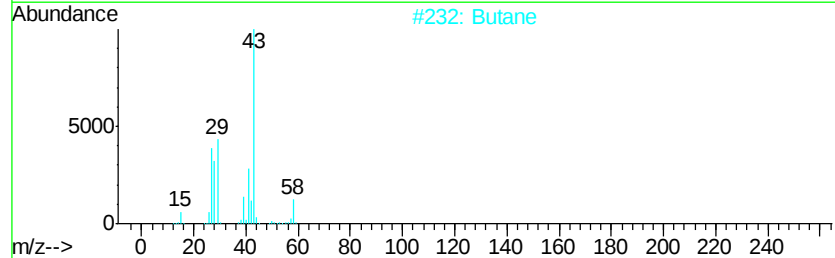
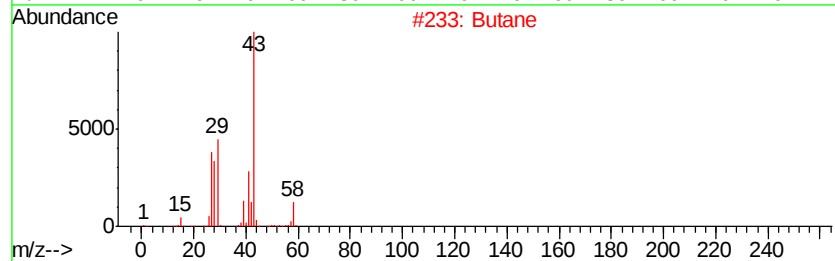
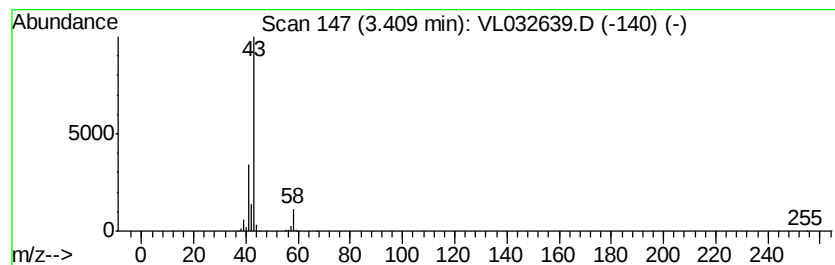
Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 3 Butane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.41	4.88 ppbv	3863900	Bromochloromethane	5.80
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Butane		58 C4H10	000106-97-8 78
2	Butane		58 C4H10	000106-97-8 72
3	Butane		58 C4H10	000106-97-8 72
4	Diazene, dimethyl-		58 C2H6N2	000503-28-6 5
5	1-Nitro-2-propanone		103 C3H5NO3	010230-68-9 4



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

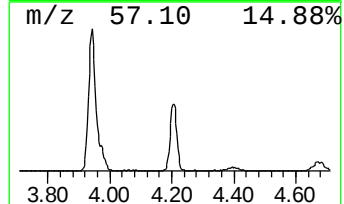
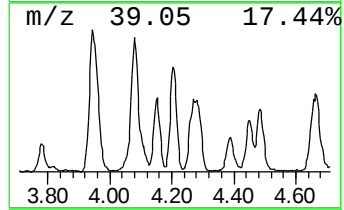
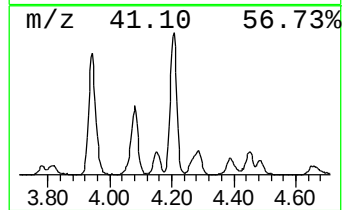
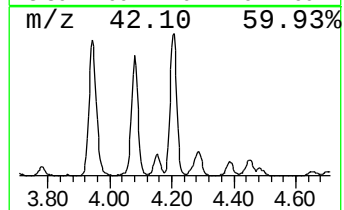
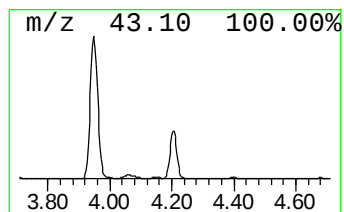
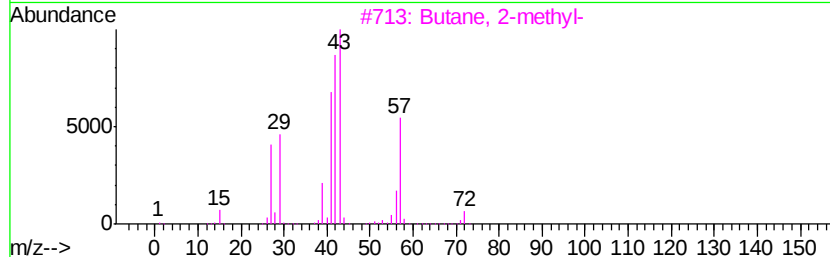
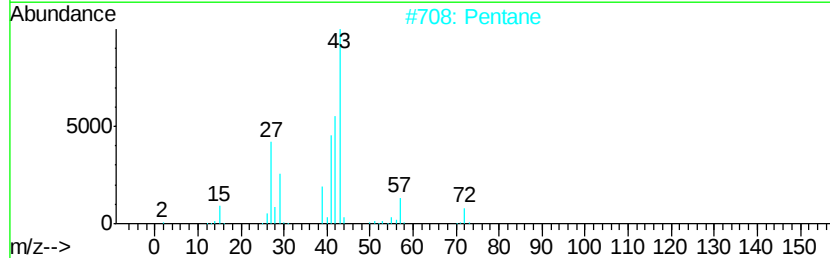
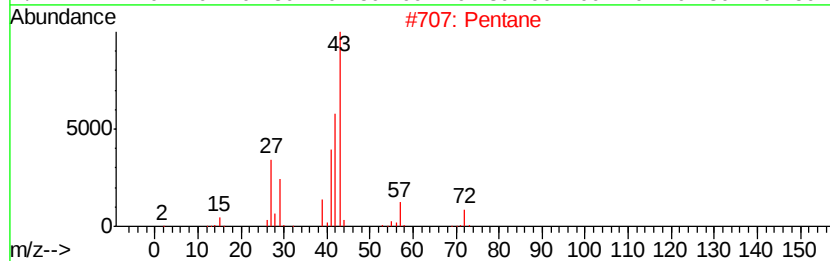
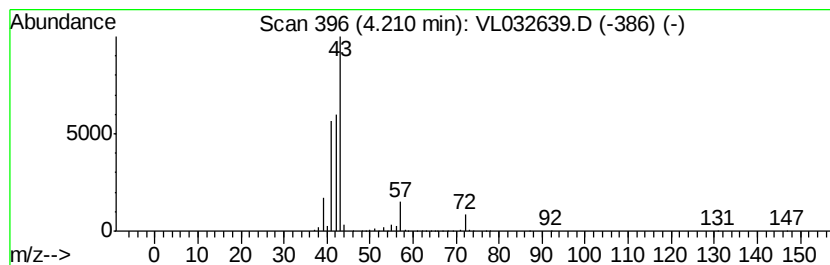
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 4 Pentane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.21	3.84 ppbv	3042000	Bromochloromethane	5.80

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	Butane, 2-methyl-		72	C5H12	000078-78-4	53
4	Butane, 2-methyl-		72	C5H12	000078-78-4	50
5	Pentane		72	C5H12	000109-66-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

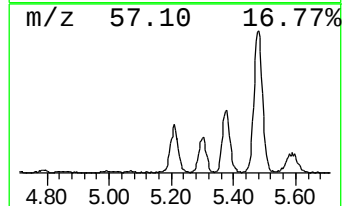
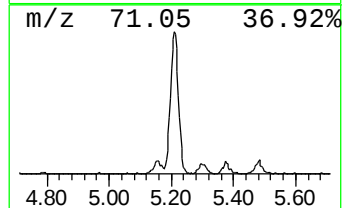
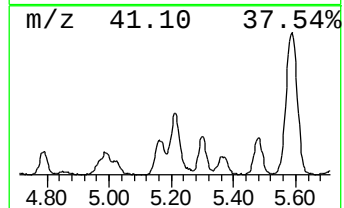
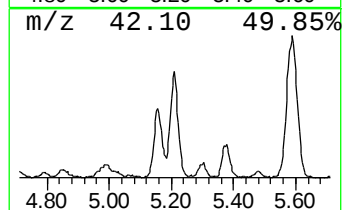
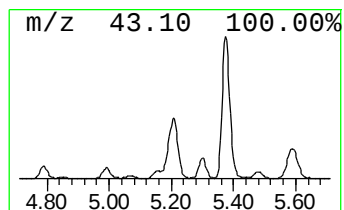
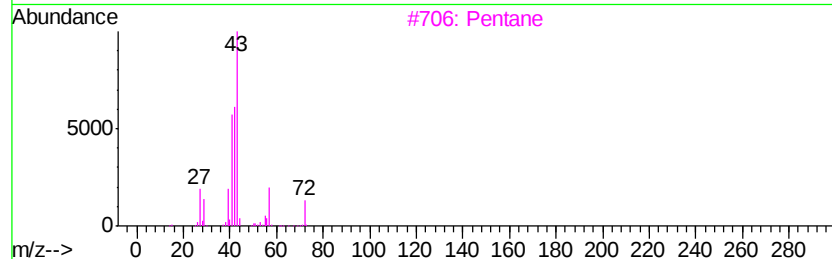
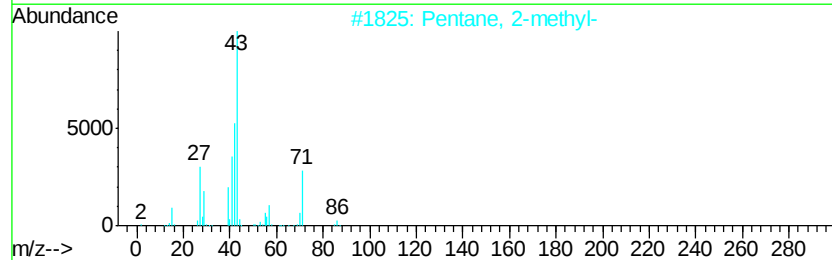
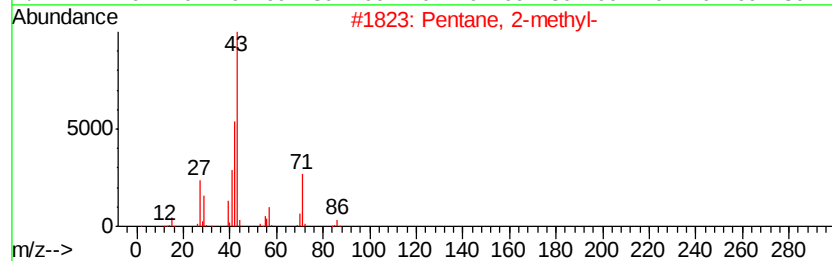
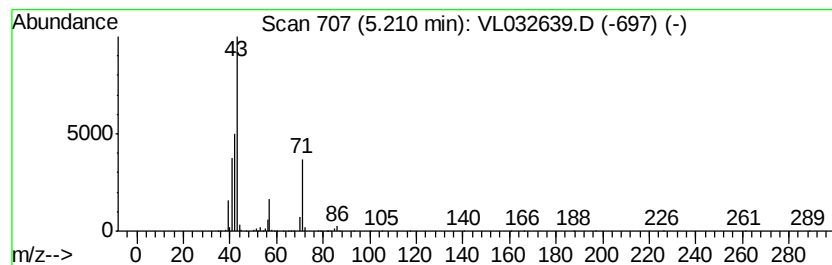
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 5 Pentane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	3.13 ppbv	2477490	Bromochloromethane	5.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2			Pentane, 2-methyl-	86	C6H14	000107-83-5	86
3			Pentane	72	C5H12	000109-66-0	47
4			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	28
5			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	28



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampled :
SS04-MIVI

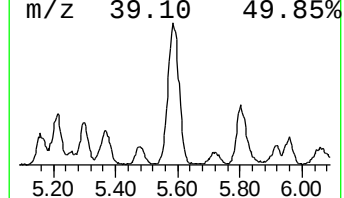
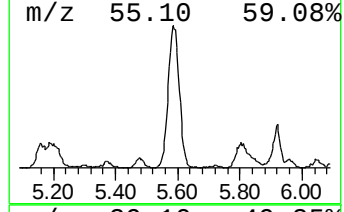
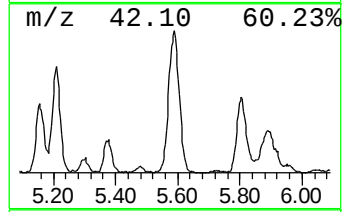
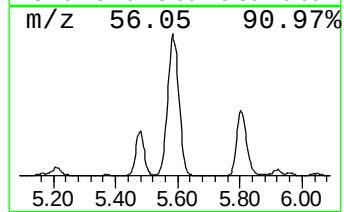
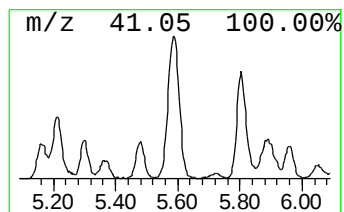
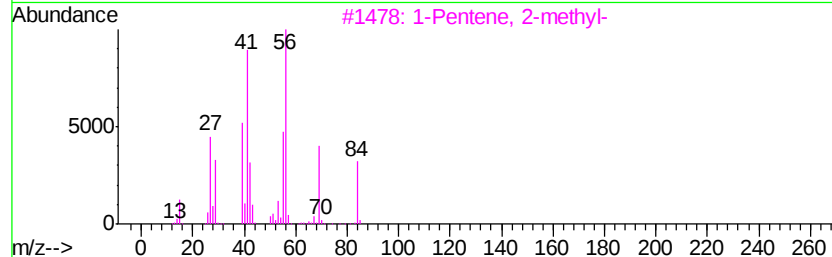
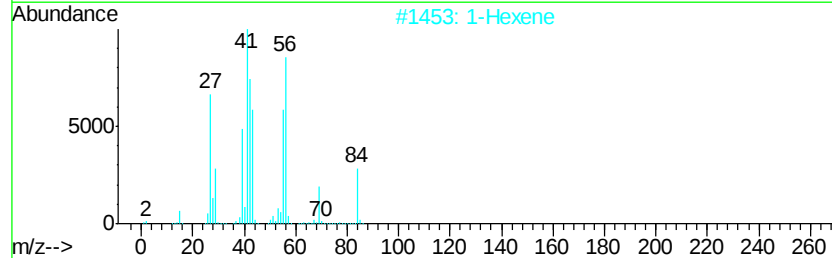
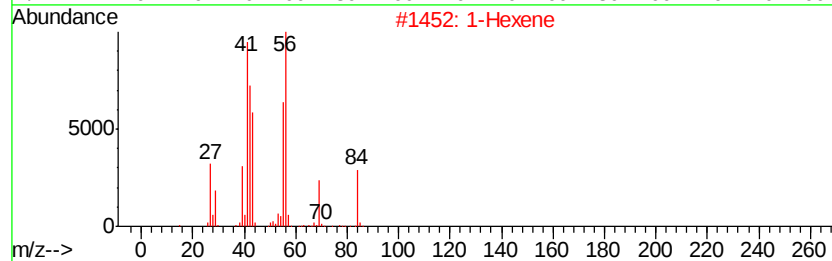
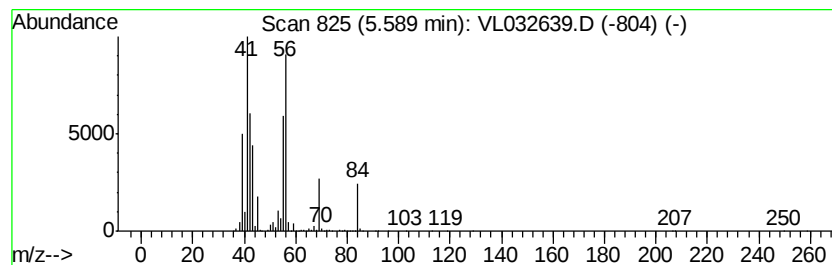
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 6 1-Hexene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	7.81 ppbv	6189040	Bromochloromethane	5.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene	84	C6H12	000592-41-6	76
2		1-Hexene	84	C6H12	000592-41-6	76
3		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
4		1-Hexene, 5-methyl-	98	C7H14	003524-73-0	53
5		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

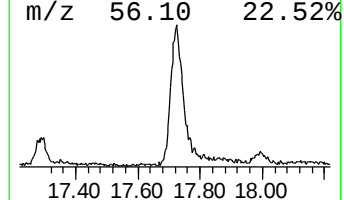
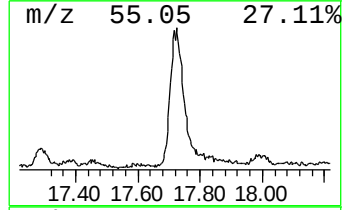
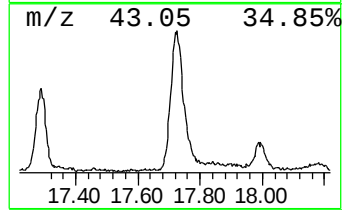
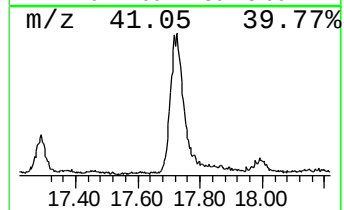
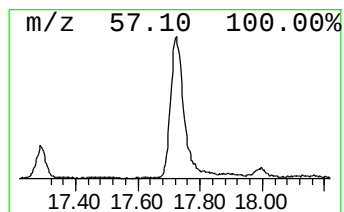
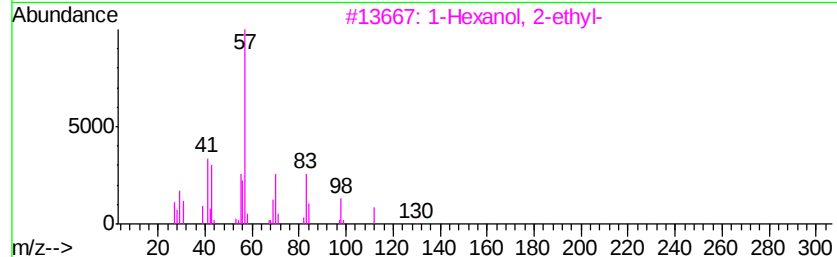
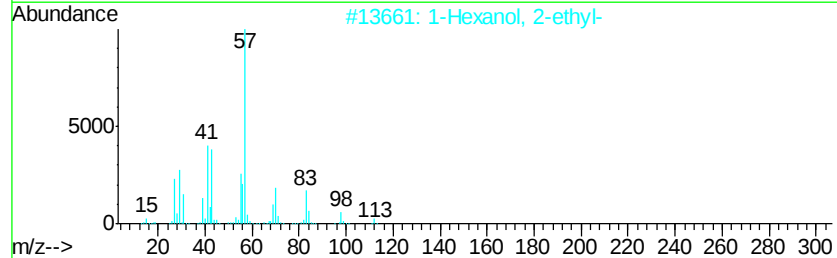
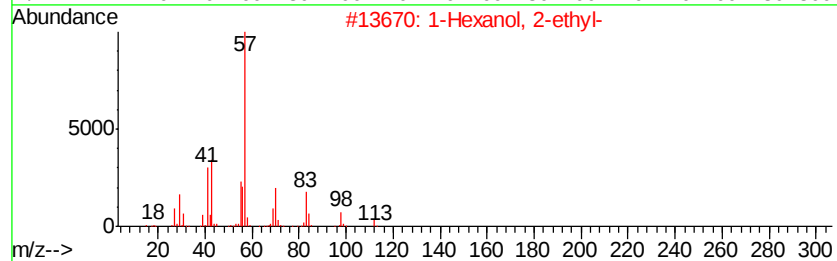
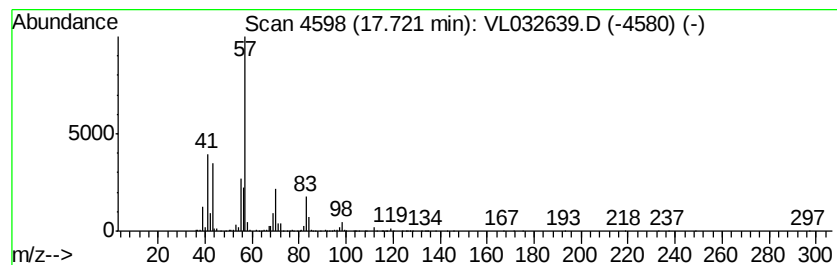
Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 9 1-Hexanol, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.72	3.83 ppbv	3808090	Chlorobenzene-d5	12.27	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
5	2-Ethylhexyl hydrogen maleate	228	C12H20O4	002370-71-0	59



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown3.25	3.25	5.6	ppbv	4441760	1	5.80	7924840	10.0
1-Propene, 2-methyl-	3.36	6.7	ppbv	5296680	1	5.80	7924840	10.0
Butane	3.41	4.9	ppbv	3863900	1	5.80	7924840	10.0
Pentane	4.21	3.8	ppbv	3042000	1	5.80	7924840	10.0
Pentane, 2-methyl-	5.21	3.1	ppbv	2477490	1	5.80	7924840	10.0
1-Hexene	5.59	7.8	ppbv	6189040	1	5.80	7924840	10.0
1-Hexanol, 2-ethyl-	17.72	3.8	ppbv	3808090	3	12.27	9933640	10.0