

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032375.D
 Acq On : 16 Aug 2018 7:19
 Operator : SY/AP
 Sample : J4457-11
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS03-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\VL081518AIR.M
 Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.929	558	573	586	rBV	2646116	4216515	3.66%	1.310%
2	3.270	668	679	699	rBV2	2168520	3164852	2.74%	0.983%
3	3.762	799	832	835	rBV2	8123141	33338535	28.91%	10.354%
4	3.939	878	887	907	rVB	4792986	8922558	7.74%	2.771%
5	5.170	1266	1270	1285	rVV5	643299	1416958	1.23%	0.440%
6	5.382	1326	1336	1354	rVB2	706462	1297569	1.13%	0.403%
7	5.820	1457	1472	1486	rBV2	3366869	6598469	5.72%	2.049%
8	5.903	1486	1498	1514	rVB2	3338402	6279373	5.44%	1.950%
9	7.193	1884	1899	1921	rVB	2070375	4258116	3.69%	1.322%
10	7.353	1934	1949	1963	rBV	4081780	7996710	6.93%	2.484%
11	8.135	2178	2192	2211	rBV3	558852	1318100	1.14%	0.409%
12	8.652	2332	2353	2383	rBV2	13171828	33646254	29.17%	10.450%
13	9.357	2547	2572	2589	rVB4	444464	1183611	1.03%	0.368%
14	10.012	2758	2776	2792	rBV	1273309	2722977	2.36%	0.846%
15	11.469	3199	3229	3258	rBV	38243516	115333828	100.00%	35.821%
16	11.890	3333	3360	3381	rBV3	4498612	12631826	10.95%	3.923%
17	12.315	3475	3492	3511	rBV	4751027	11131113	9.65%	3.457%
18	13.192	3749	3765	3785	rBV4	578148	1712237	1.48%	0.532%
19	14.115	4038	4052	4068	rVB3	736141	1646853	1.43%	0.511%
20	14.646	4200	4217	4234	rBV2	4545475	10747730	9.32%	3.338%
21	16.993	4932	4947	4958	rBV	647516	1481721	1.28%	0.460%
22	17.179	4984	5005	5030	rVB	6263691	18861751	16.35%	5.858%
23	17.752	5156	5183	5201	rBV2	3059781	8746347	7.58%	2.716%
24	19.736	5790	5800	5814	rVB4	529073	1183834	1.03%	0.368%
25	21.051	6182	6209	6227	rBV	959532	2581904	2.24%	0.802%
26	21.710	6390	6414	6441	rVB2	4903569	18265955	15.84%	5.673%
27	22.706	6706	6724	6743	rBV9	394009	1291228	1.12%	0.401%

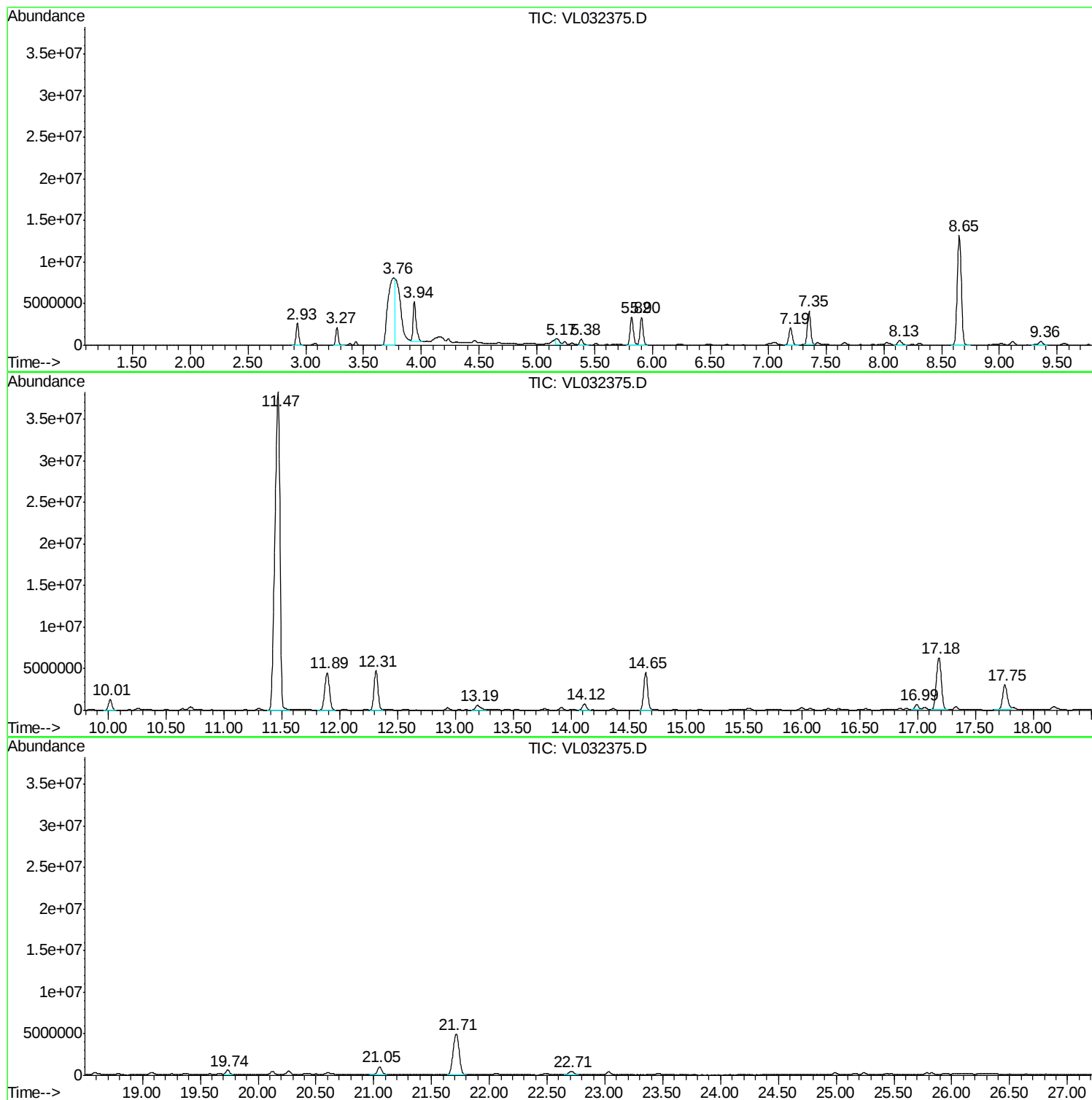
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS03-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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



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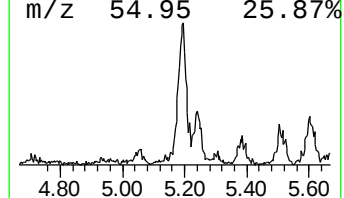
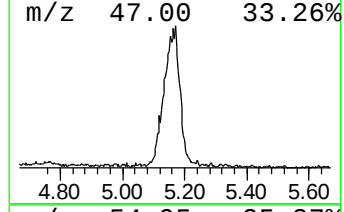
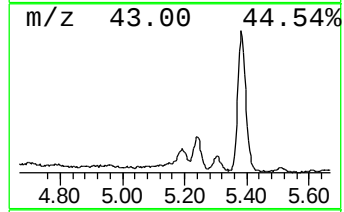
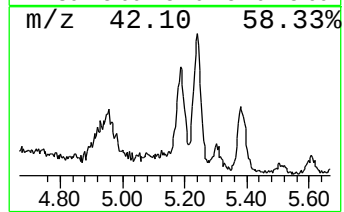
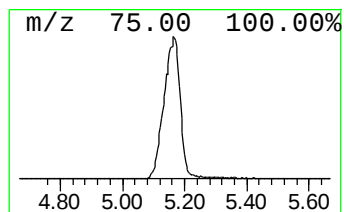
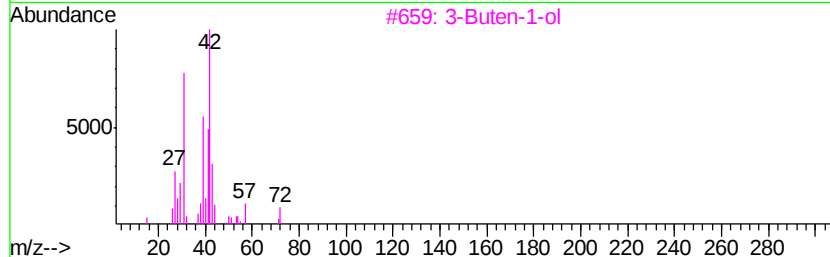
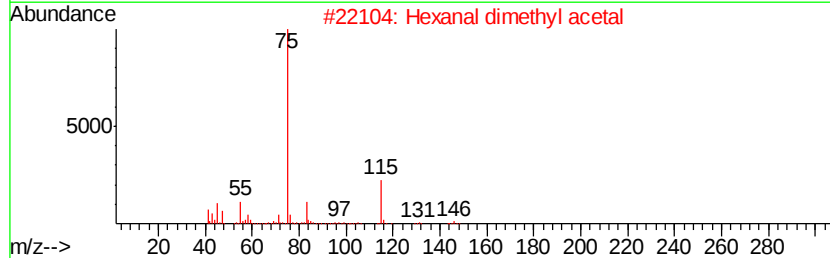
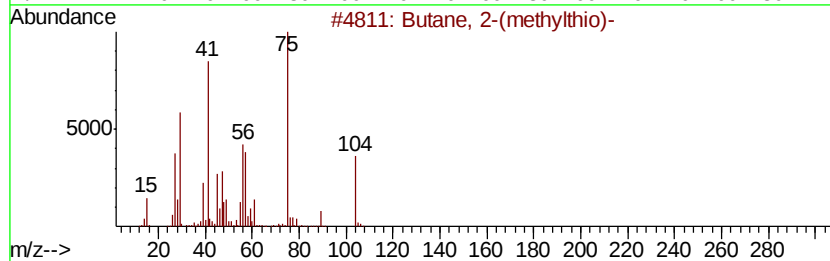
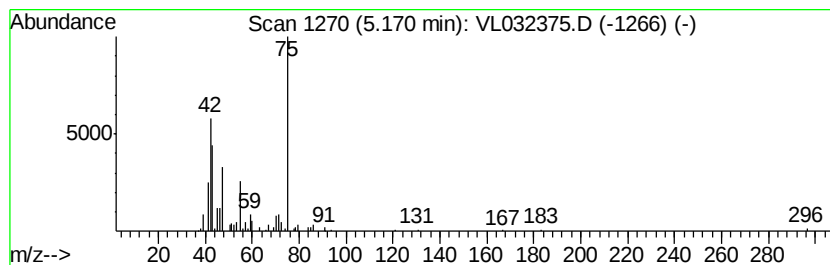
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 3 unknown5.17 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	2.15 ppbv	1416960	Bromochloromethane	5.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-(methylthio)-	104	C5H12S	010359-64-5	28
2		Hexanal dimethyl acetal	146	C8H18O2	001599-47-9	25
3		3-Buten-1-ol	72	C4H8O	000627-27-0	9
4		Heptane, 1,1-dimethoxy-	160	C9H20O2	010032-05-0	9
5		Ethane, 1,1'-[oxybis(methyleneth...	166	C6H14OS2	054411-14-2	9



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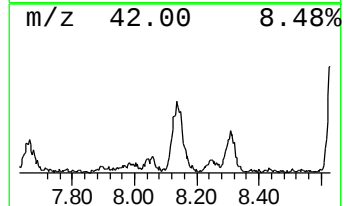
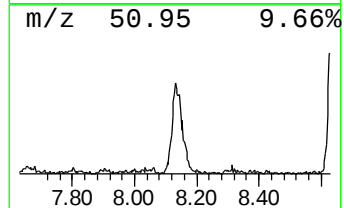
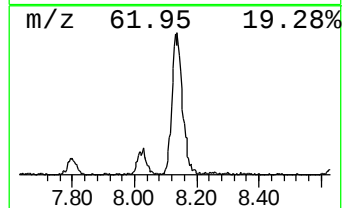
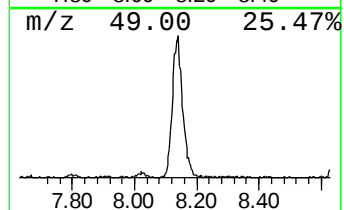
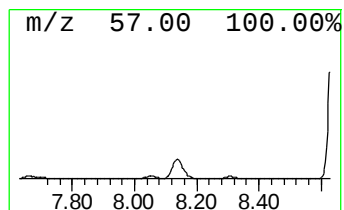
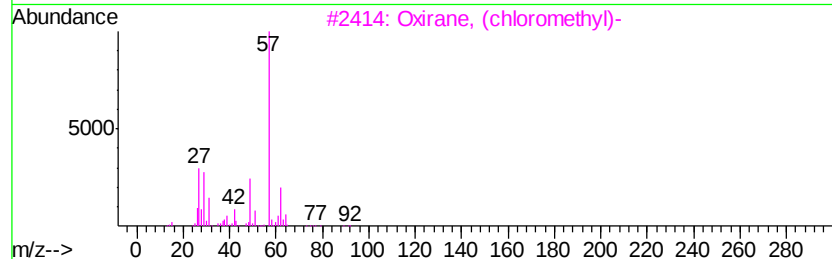
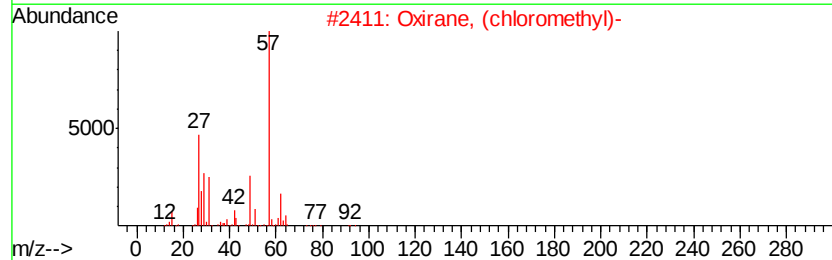
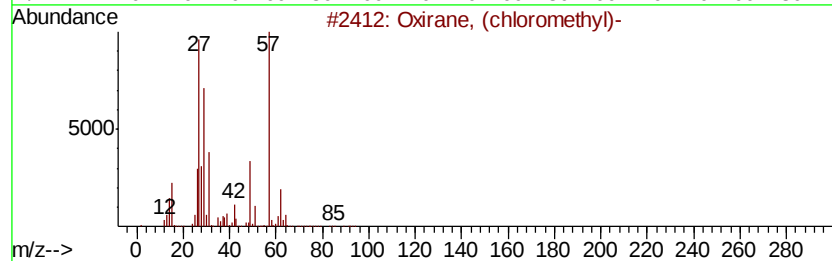
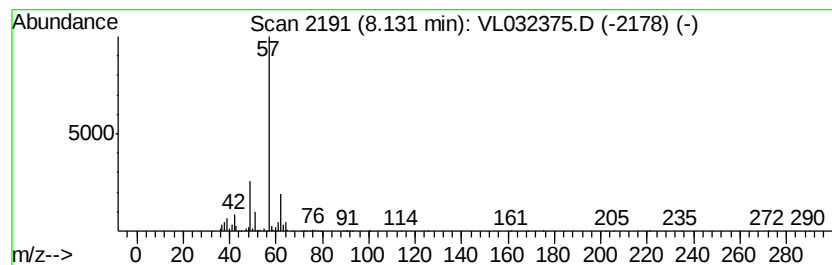
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Oxirane, (chloromethyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	1.65 ppbv	1318100	1,4-Difluorobenzene	7.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, (chloromethyl)-	92	C3H5ClO	000106-89-8	91
2			Oxirane, (chloromethyl)-	92	C3H5ClO	000106-89-8	90
3			Oxirane, (chloromethyl)-	92	C3H5ClO	000106-89-8	86
4			(S)-(+)-Epichlorohydrin	92	C3H5ClO	067843-74-7	83
5			Oxirane, (chloromethyl)-	92	C3H5ClO	000106-89-8	78



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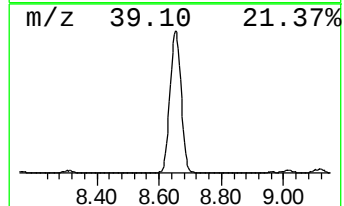
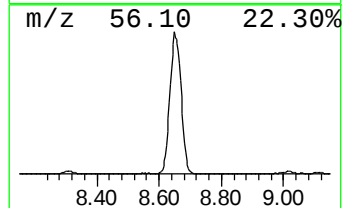
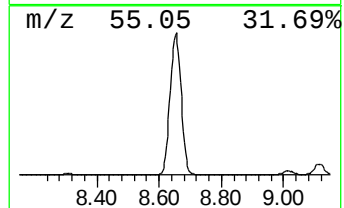
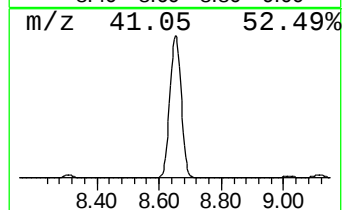
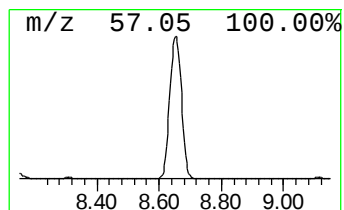
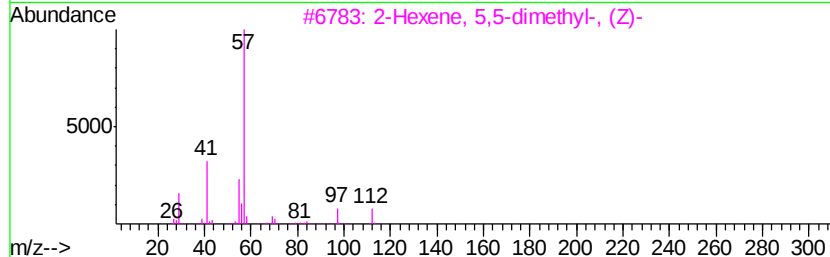
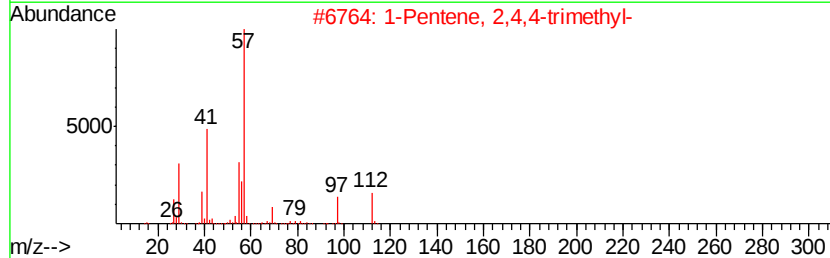
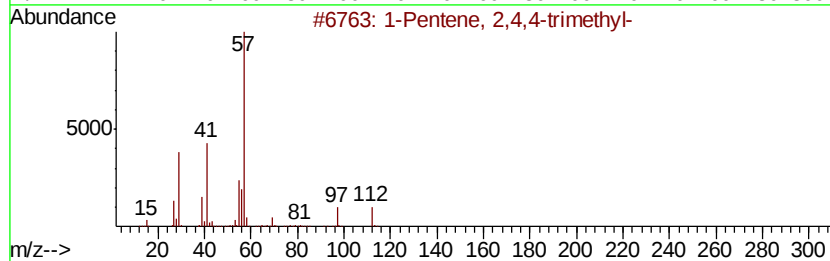
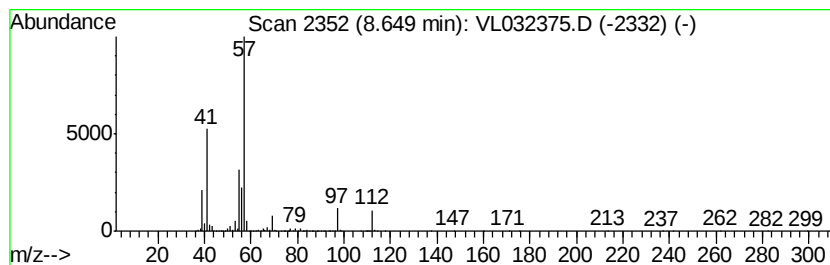
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1-Pentene, 2,4,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	42.08 ppbv	33646300	1,4-Difluorobenzene	7.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	91
2		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	91
3		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	64
4		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	64
5		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	58



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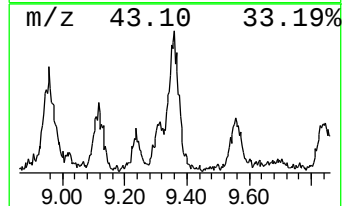
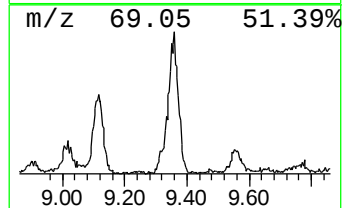
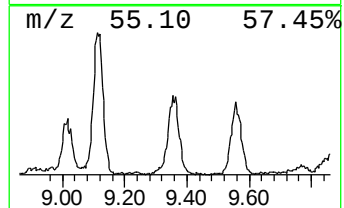
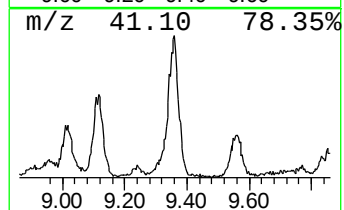
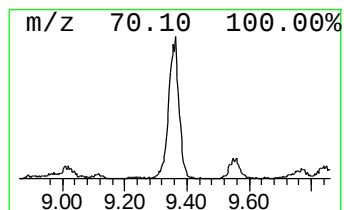
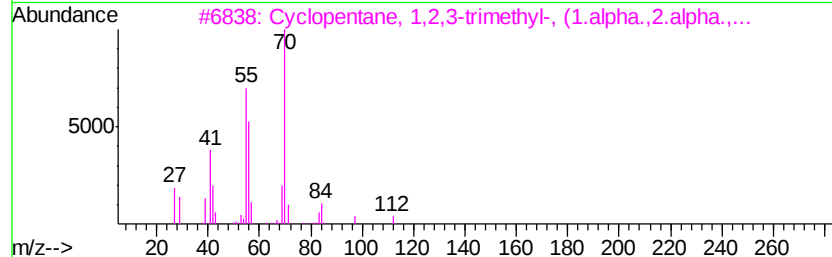
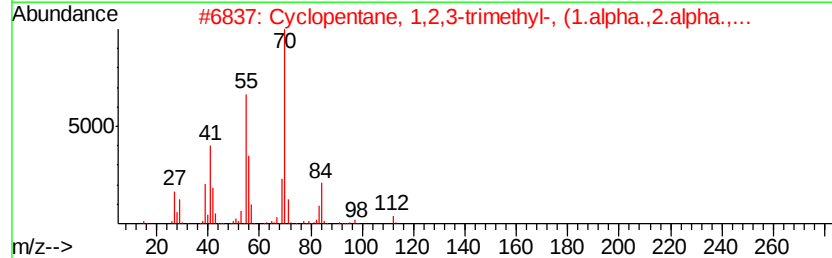
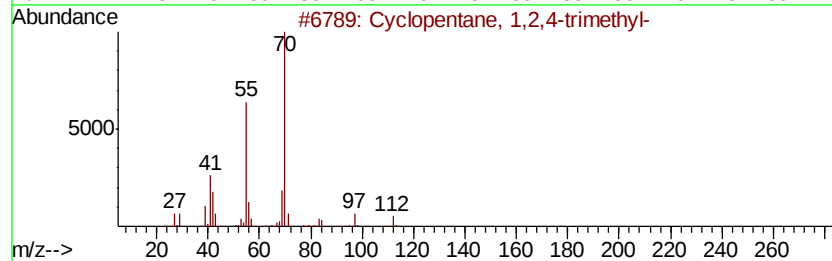
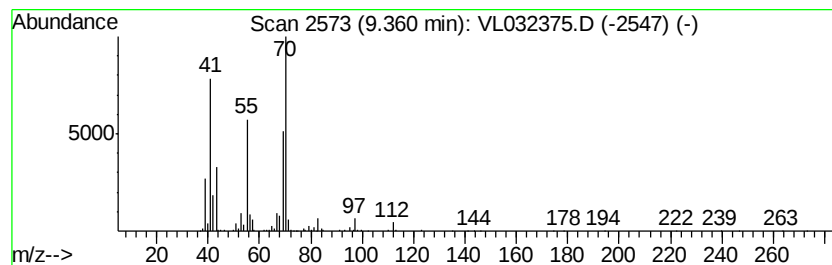
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TIC Integration Parameters: LSCINT.P

Peak Number 6 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	1.48 ppbv	1183610	1,4-Difluorobenzene	7.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	78
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
4		2-Butenal	70	C4H6O	004170-30-3	64
5		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	64



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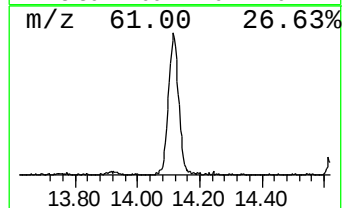
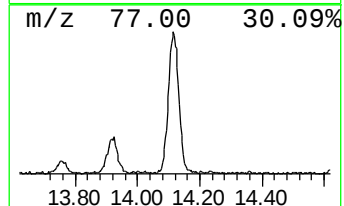
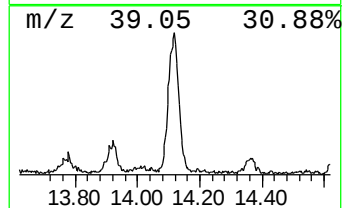
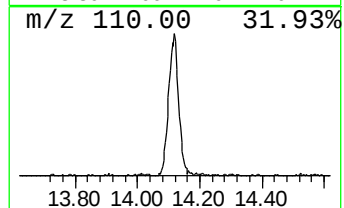
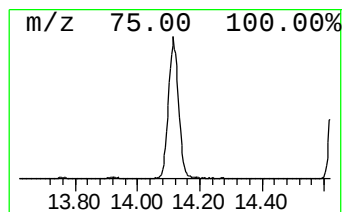
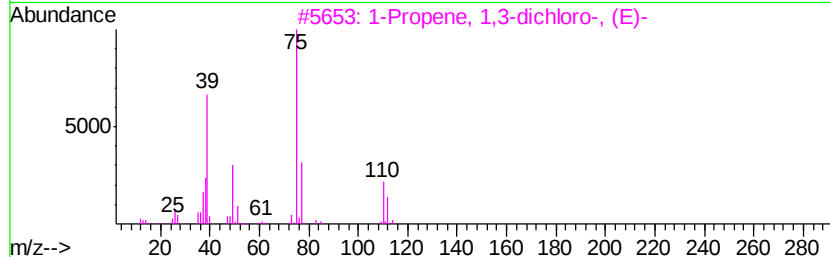
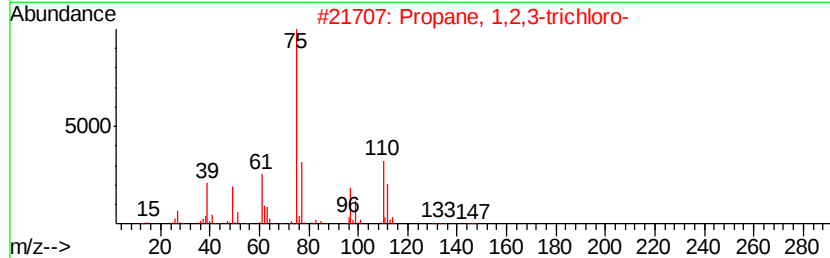
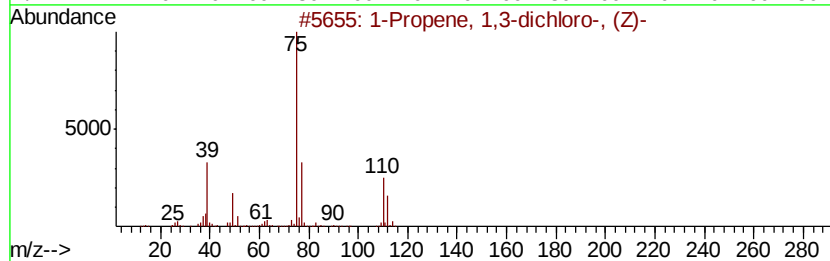
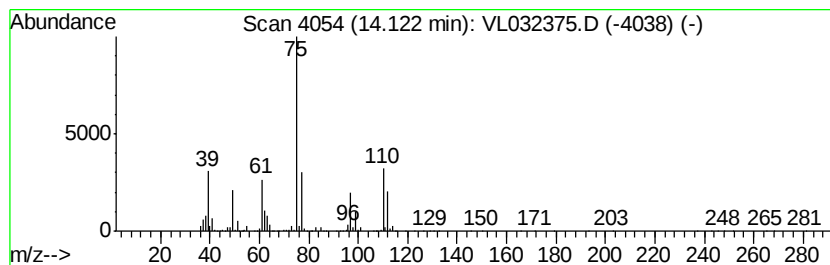
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1-Propene, 1,3-dichloro-, (Z)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	1.48 ppbv	1646850	Chlorobenzene-d5	12.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Propene, 1,3-dichloro-, (Z)-	110	C3H4Cl2	010061-01-5	94
2		Propane, 1,2,3-trichloro-	146	C3H5Cl3	000096-18-4	91
3		1-Propene, 1,3-dichloro-, (E)-	110	C3H4Cl2	010061-02-6	90
4		Propane, 1,2,3-trichloro-	146	C3H5Cl3	000096-18-4	90
5		1-Propene, 1,3-dichloro-, (E)-	110	C3H4Cl2	010061-02-6	81



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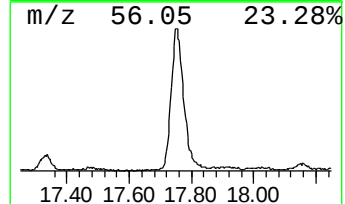
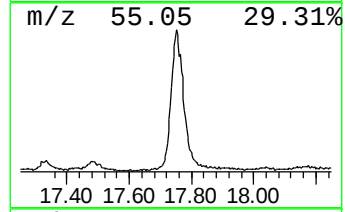
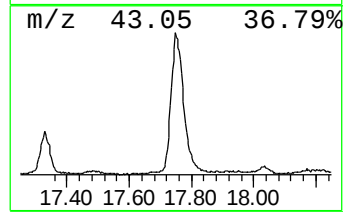
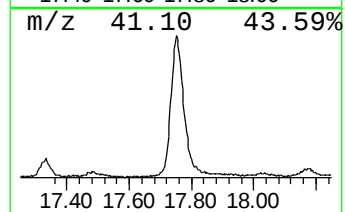
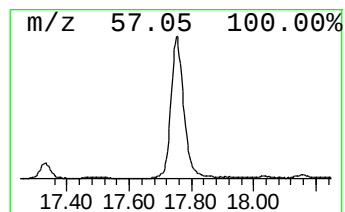
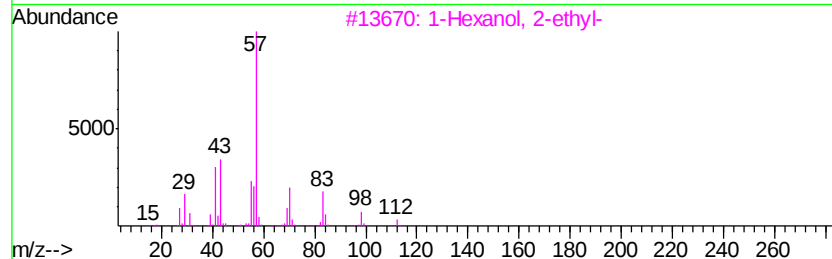
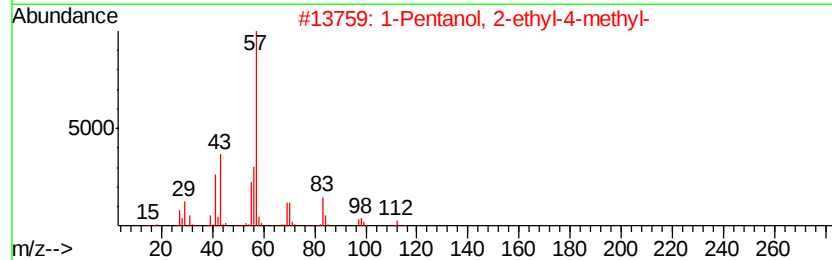
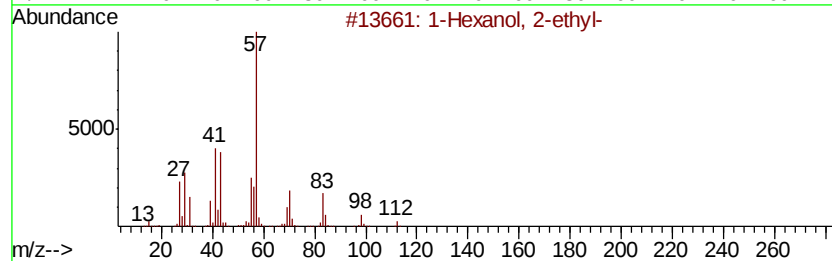
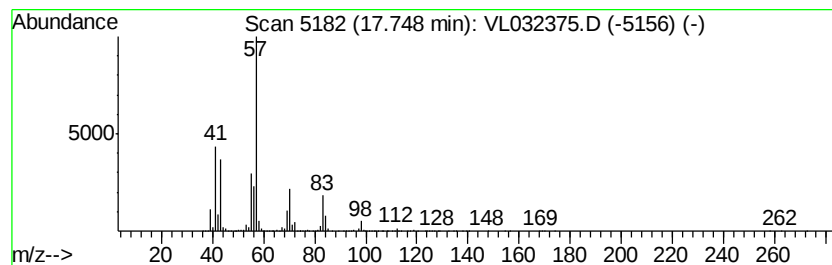
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 10 1-Hexanol, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	7.86 ppbv	8746350	Chlorobenzene-d5	12.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
2			1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	59
3			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	56
4			1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	56
5			2-Propyl-1-pentanol	130	C8H18O	058175-57-8	47



Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032375.D
Acq On : 16 Aug 2018 7:19
Operator : SY/AP
Sample : J4457-11
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS03-MIVI

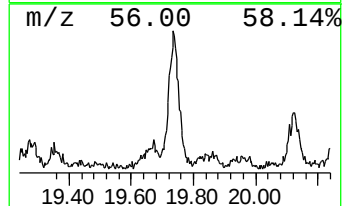
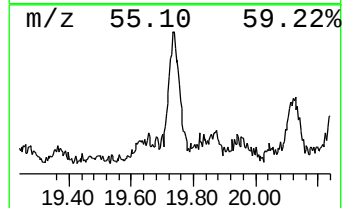
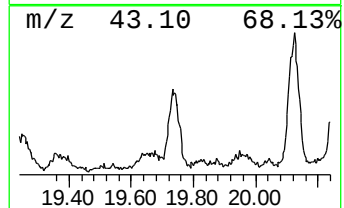
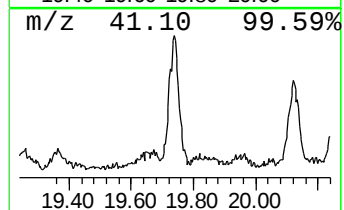
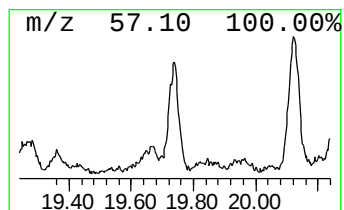
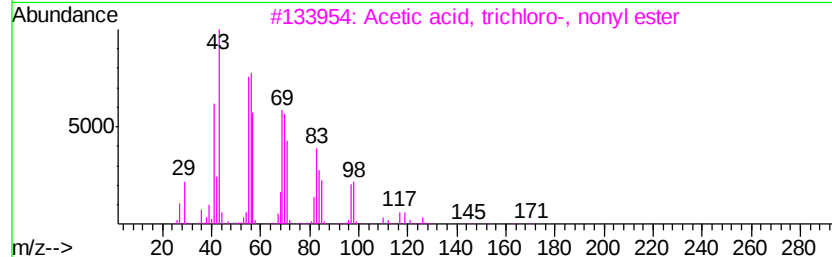
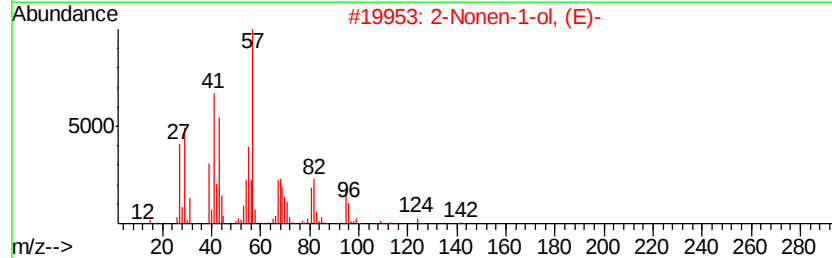
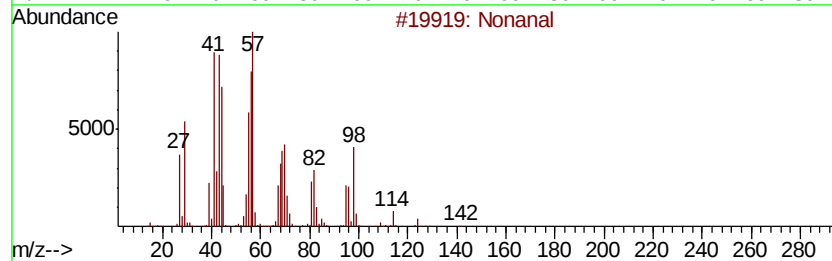
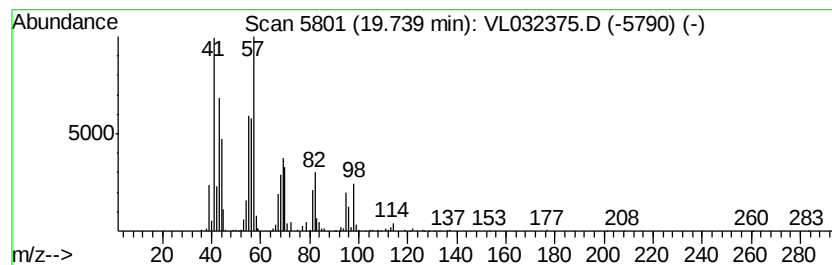
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 11 Nonanal Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	1.06 ppbv	1183830	Chlorobenzene-d5	12.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonanal	142	C9H18O	000124-19-6	83
2		2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	38
3		Acetic acid, trichloro-, nonyl e...	288	C11H19Cl3O2	065611-32-7	35
4		Cyclopropane, 1,2-dimethyl-3-pen...	140	C10H20	062238-10-2	22
5		Cyclooctyl alcohol	128	C8H16O	000696-71-9	22



Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032375.D
Acq On : 16 Aug 2018 7:19
Operator : SY/AP
Sample : J4457-11
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

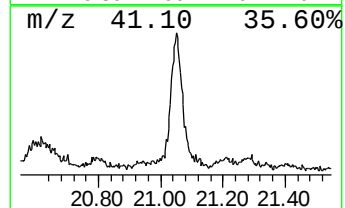
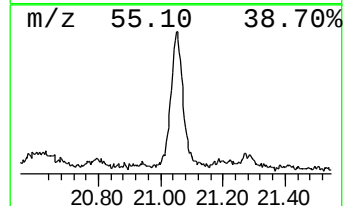
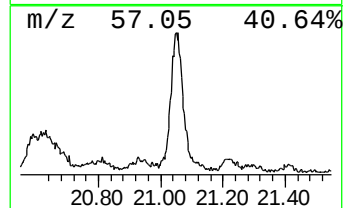
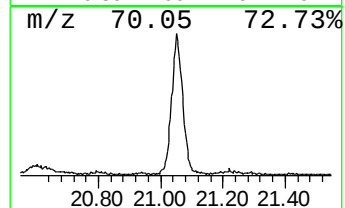
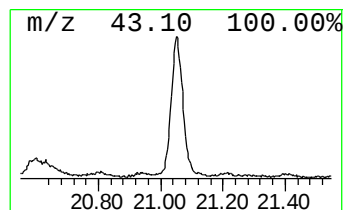
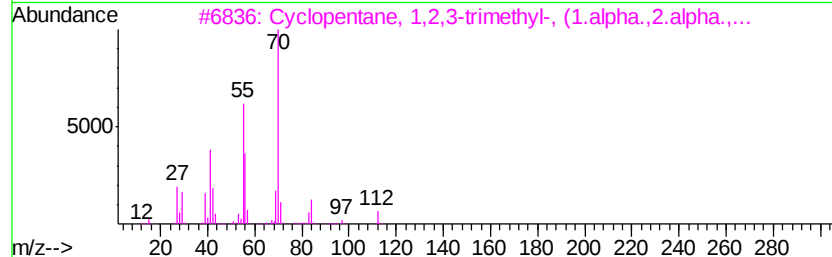
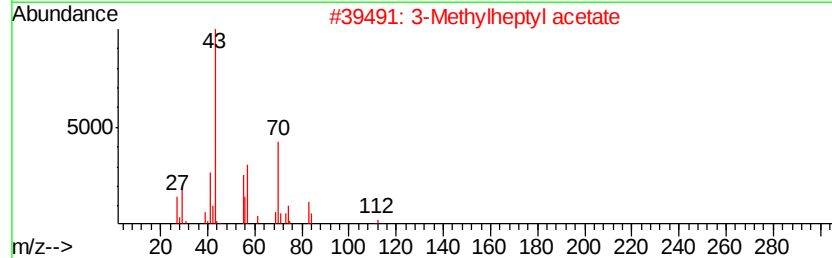
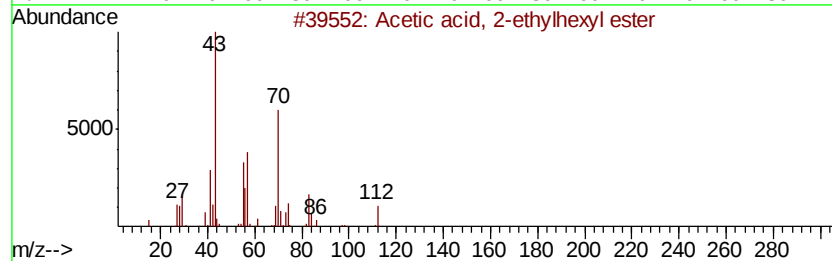
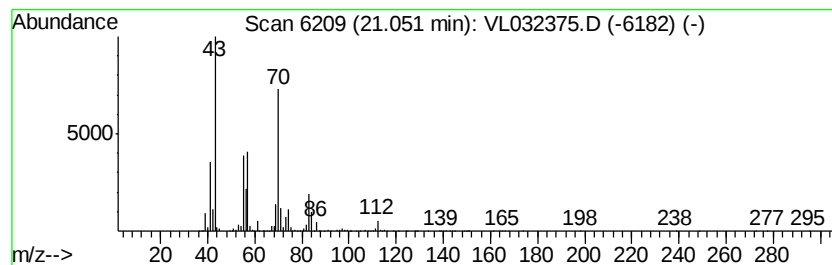
Instrument :
MSVOA_L
ClientSampleId :
SS03-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 12 Acetic acid, 2-ethylhexyl e... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.05	2.32 ppbv	2581900	Chlorobenzene-d5	12.31		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	90
2		3-Methylheptyl acetate	172	C10H20O2	072218-58-7	80
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	76
4		2-Ethylhexyl acrylate	184	C11H20O2	000103-11-7	72
5		Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032375.D
Acq On : 16 Aug 2018 7:19
Operator : SY/AP
Sample : J4457-11
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS03-MIVI

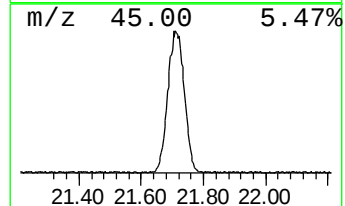
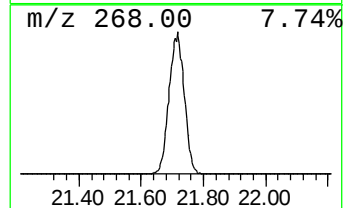
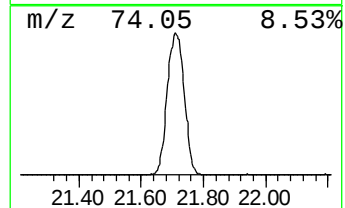
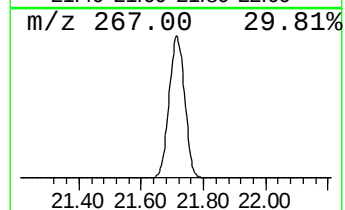
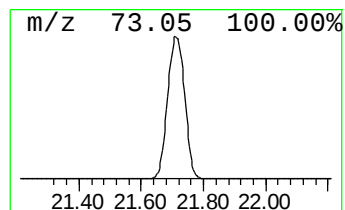
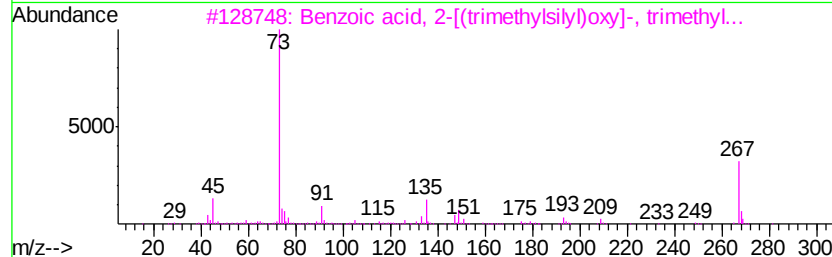
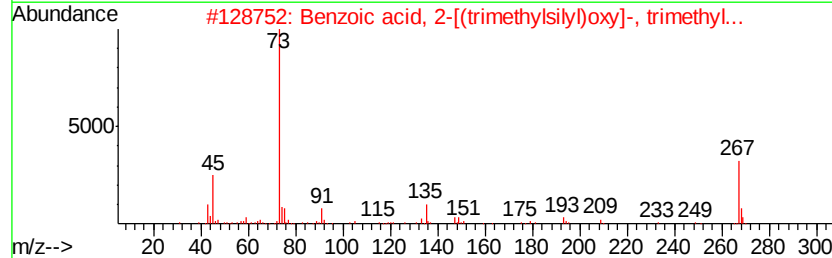
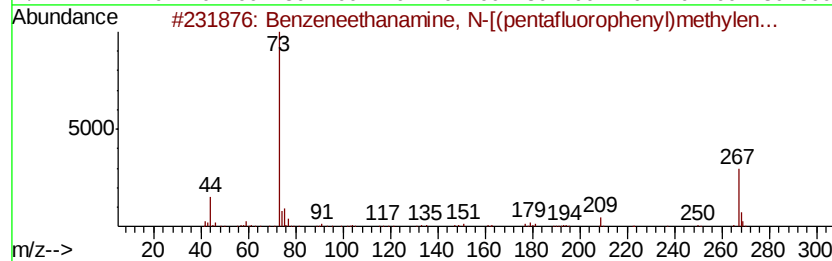
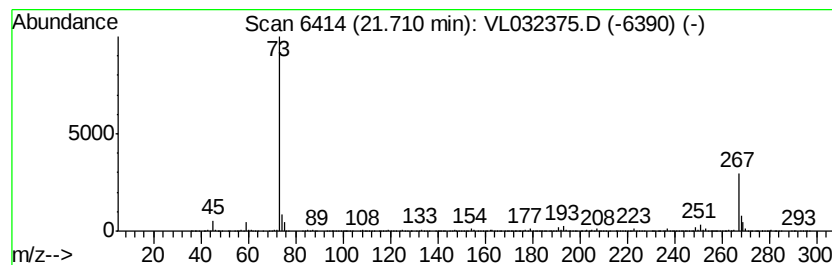
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 13 unknown21.71 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.71	16.41 ppbv	18266000	Chlorobenzene-d5	12.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenethanamine, N-[(pentafluoro...	475	C21H26F5N02Si2	055429-85-1	45
2		Benzoic acid, 2-[(trimethylsilyl)...	282	C13H22O3Si2	003789-85-3	36
3		Benzoic acid, 2-[(trimethylsilyl)...	282	C13H22O3Si2	003789-85-3	36
4		1-(3-Chlorophenyl)piperazine, 4-...	268	C13H21ClN2Si	1000373-99-3	16
5		4-Methylcatechol, bis(trimethyls...	268	C13H24O2Si2	1000332-79-9	12



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032375.D
Acq On : 16 Aug 2018 7:19
Operator : SY/AP
Sample : J4457-11
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS03-MIVI

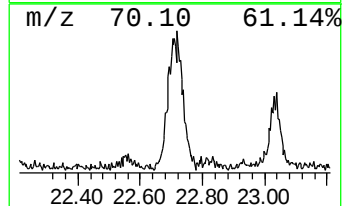
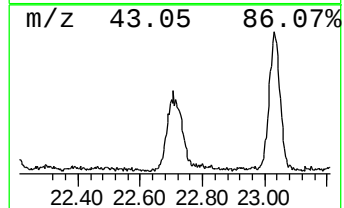
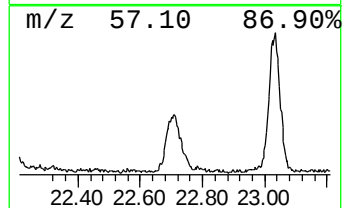
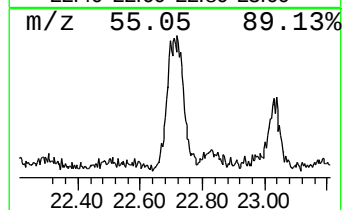
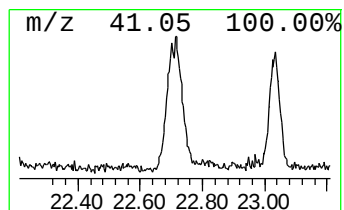
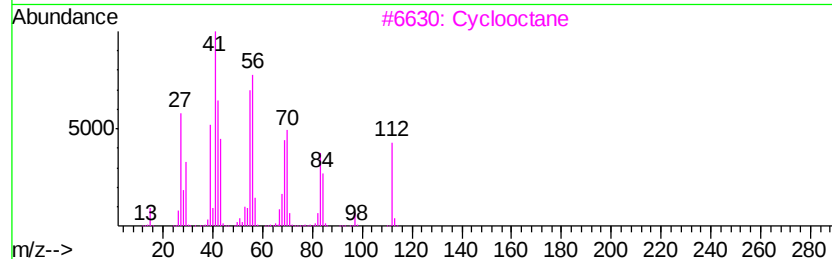
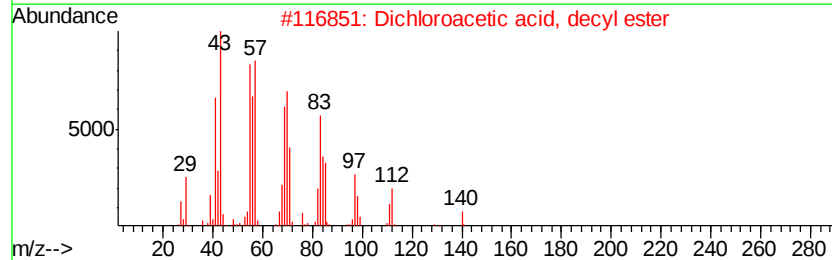
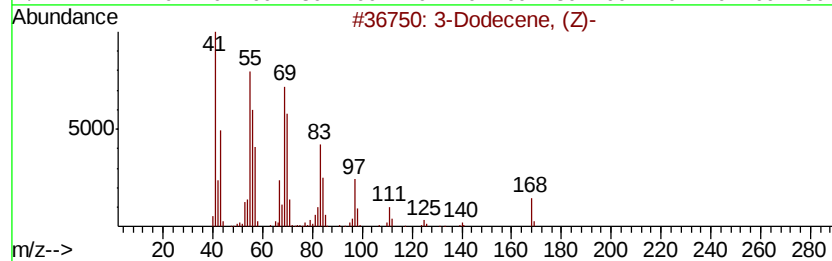
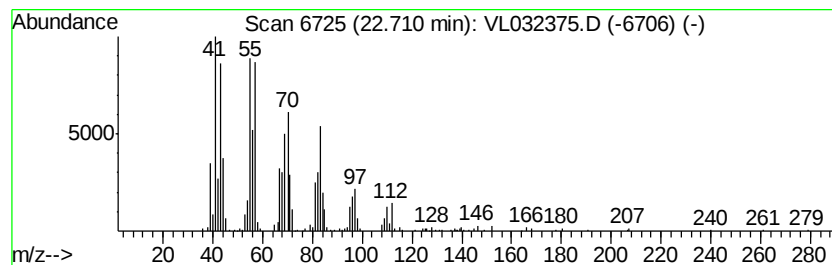
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 14 3-Dodecene, (Z)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.71	1.16 ppbv	1291230	Chlorobenzene-d5	12.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Dodecene, (Z)-	168	C12H24	007239-23-8	76
2			Dichloroacetic acid, decyl ester	268	C12H22Cl2O2	083005-00-9	72
3			Cyclooctane	112	C8H16	000292-64-8	64
4			3-Dodecene, (E)-	168	C12H24	007206-14-6	62
5			4-Dodecene, (Z)-	168	C12H24	007206-27-1	62



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032375.D
Acq On : 16 Aug 2018 7:19
Operator : SY/AP
Sample : J4457-11
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS03-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 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
unknown5.17	5.17	2.1	ppbv	1416960	1	5.82	6598470	10.0
Oxirane, (chlorom...	8.13	1.6	ppbv	1318100	2	7.35	7996710	10.0
1-Pentene, 2,4,4-...	8.65	42.1	ppbv	33646300	2	7.35	7996710	10.0
Cyclopentane, 1,2...	9.36	1.5	ppbv	1183610	2	7.35	7996710	10.0
1-Propene, 1,3-di...	14.12	1.5	ppbv	1646850	3	12.31	11131100	10.0
1-Hexanol, 2-ethyl-	17.75	7.9	ppbv	8746350	3	12.31	11131100	10.0
Nonanal	19.74	1.1	ppbv	1183830	3	12.31	11131100	10.0
Acetic acid, 2-et...	21.05	2.3	ppbv	2581900	3	12.31	11131100	10.0
unknown21.71	21.71	16.4	ppbv	18266000	3	12.31	11131100	10.0
3-Dodecene, (Z)-	22.71	1.2	ppbv	1291230	3	12.31	11131100	10.0