

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032555.D
 Acq On : 27 Sep 2018 18:46
 Operator : SY/AP
 Sample : J5136-02 1.1X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 247

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\VL092418AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.033	18	30	45	rBV	1899825	2949854	3.08%	1.145%
2	3.252	88	98	111	rBV	2051790	2925169	3.05%	1.135%
3	3.921	296	306	327	rBV	1257580	2209951	2.30%	0.858%
4	5.059	645	660	675	rBV	1415176	2502024	2.61%	0.971%
5	5.348	739	750	773	rBV	3104907	5402963	5.63%	2.097%
6	5.792	870	888	906	rBV3	2904363	5709439	5.95%	2.216%
7	7.322	1348	1364	1381	rBV2	4081588	7587941	7.91%	2.945%
8	10.596	2368	2382	2401	rBV2	566535	1142274	1.19%	0.443%
9	11.859	2755	2775	2797	rBV2	5209019	13773872	14.36%	5.346%
10	12.274	2884	2904	2923	rBV	5129268	11297235	11.78%	4.384%
11	14.612	3611	3631	3651	rBV2	4460566	10087919	10.52%	3.915%
12	16.814	4300	4316	4333	rBV3	885547	1993714	2.08%	0.774%
13	16.910	4335	4346	4357	rVV2	453565	1103192	1.15%	0.428%
14	17.158	4399	4423	4448	rBV	15606258	47606371	49.65%	18.476%
15	17.319	4448	4473	4509	rVB3	27599847	95892514	100.00%	37.216%
16	18.383	4781	4804	4833	rBV2	8035645	21693361	22.62%	8.419%
17	18.631	4867	4881	4901	rVB4	616764	1647654	1.72%	0.639%
18	18.975	4977	4988	5018	rVB4	646116	2292015	2.39%	0.890%
19	19.708	5200	5216	5230	rBV3	1651993	3726965	3.89%	1.446%
20	21.685	5802	5831	5861	rVB2	4585755	16119635	16.81%	6.256%

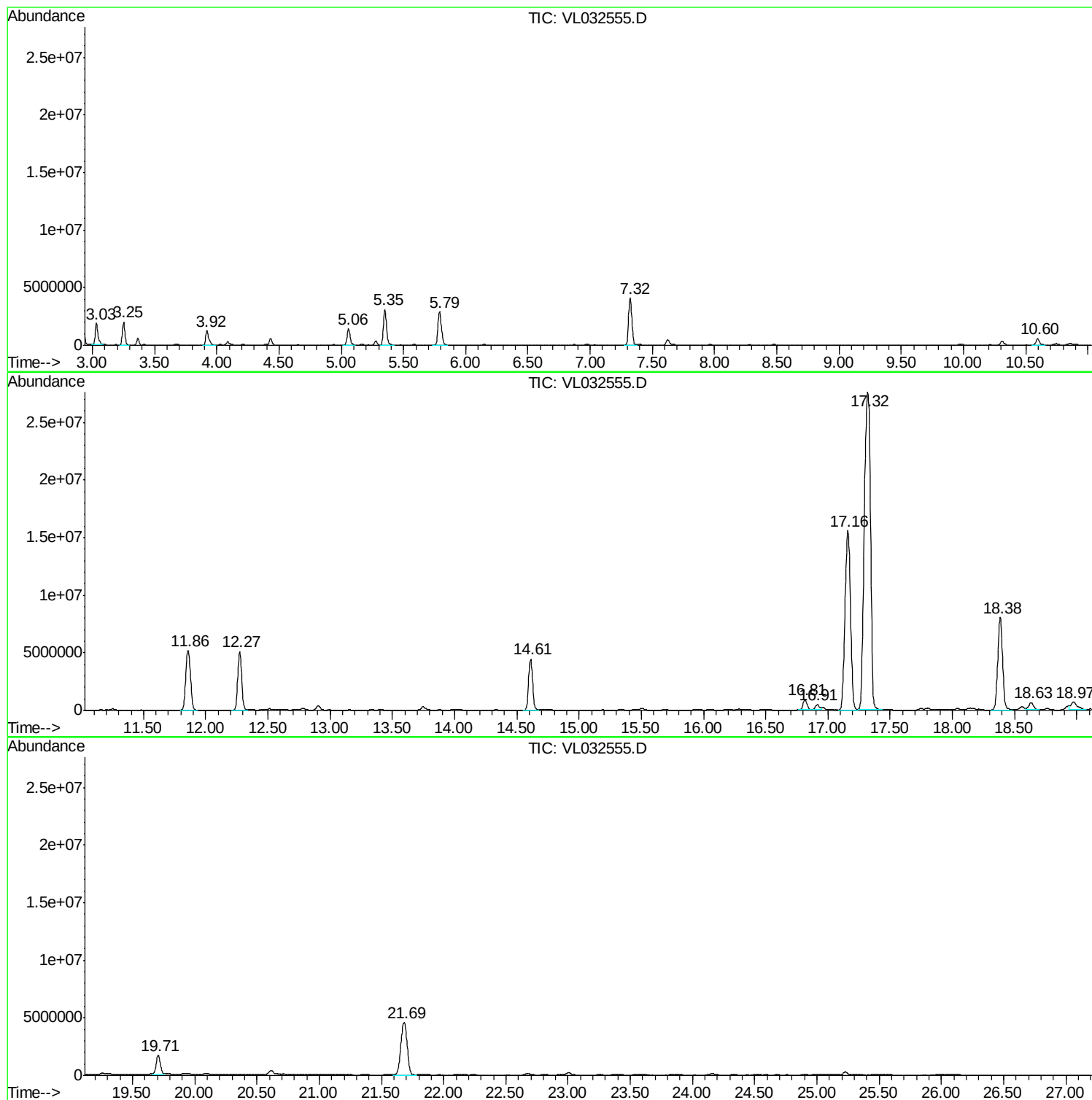
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018

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



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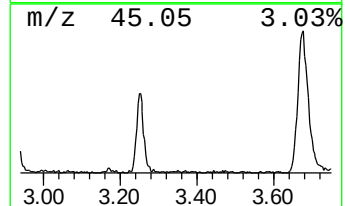
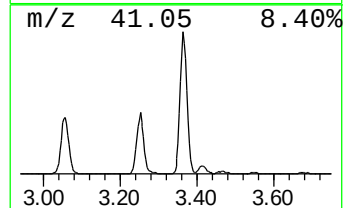
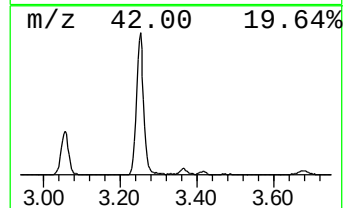
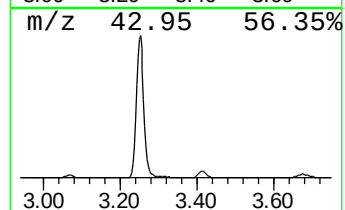
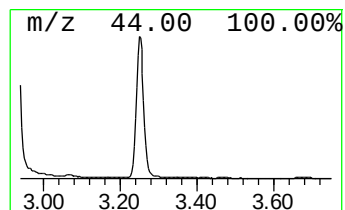
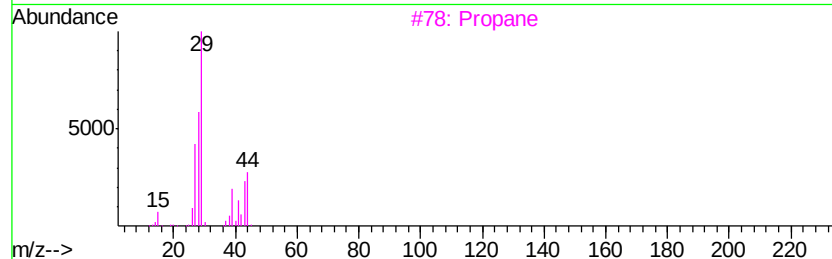
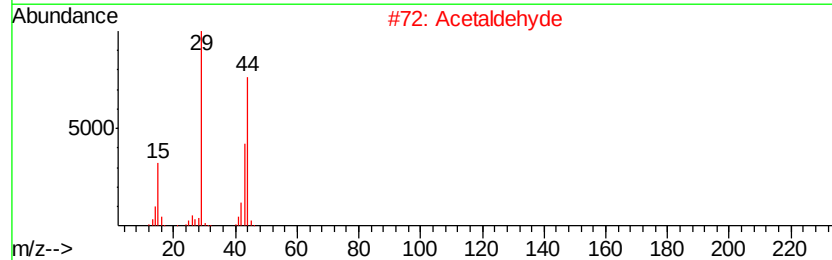
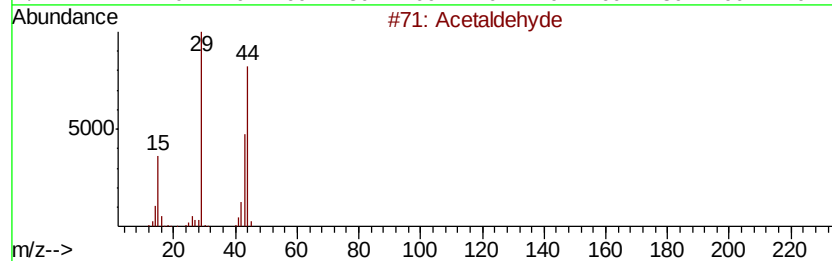
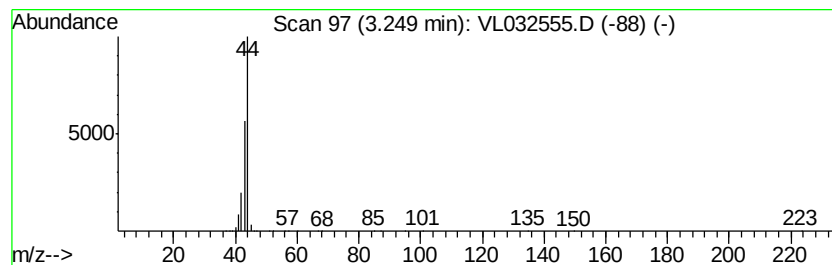
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018

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

Peak Number 1 Acetaldehyde Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
3.25	5.12 ppbv	2925170	Bromochloromethane	5.79	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	56
2	Acetaldehyde	44	C2H4O	000075-07-0	56
3	Propane	44	C3H8	000074-98-6	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5



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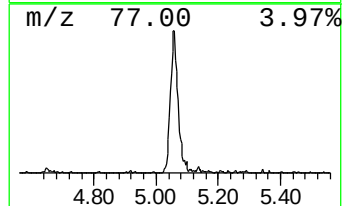
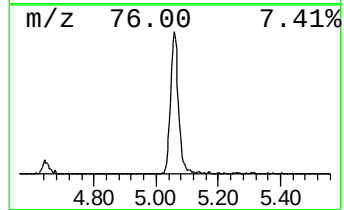
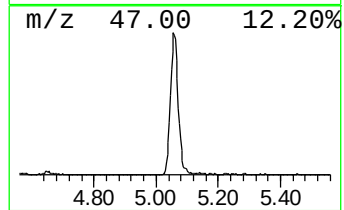
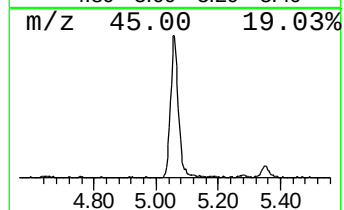
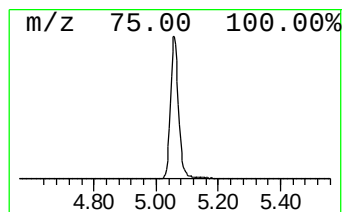
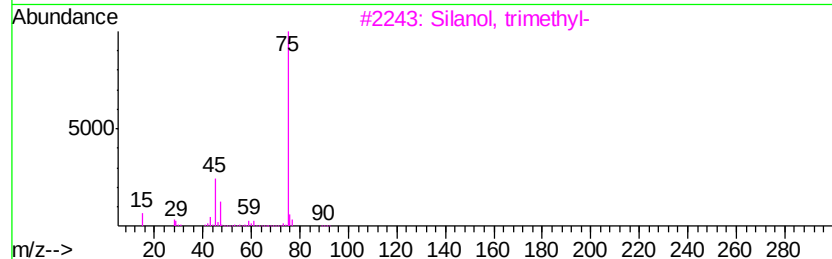
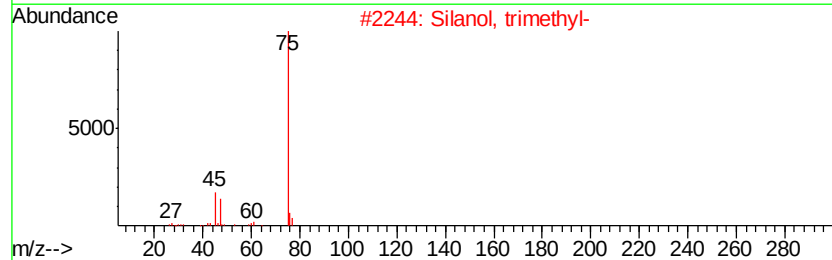
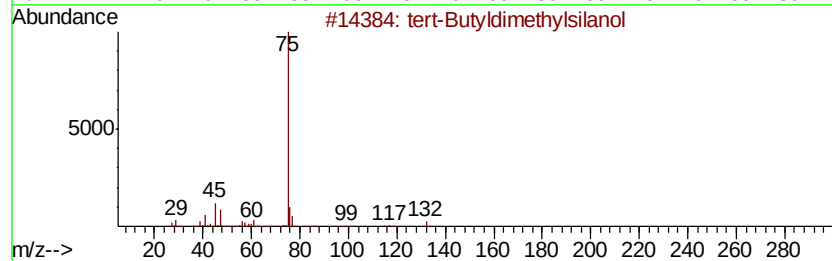
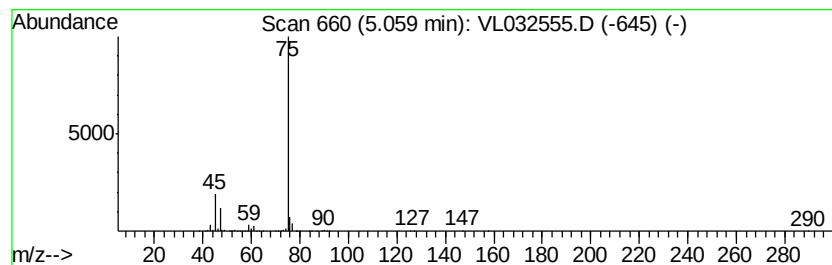
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018

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

Peak Number 2 tert-Butyldimethylsilanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	4.38 ppbv	2502020	Bromochloromethane	5.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	tert-Butyldimethylsilanol	132	C6H16OSi	018173-64-3	78
2		Silanol, trimethyl-	90	C3H10OSi	001066-40-6	72
3		Silanol, trimethyl-	90	C3H10OSi	001066-40-6	64
4		Silanol, dimethyl(1,1,2-trimethy...	160	C8H20OSi	055644-10-5	50
5		Silanol, trimethyl-	90	C3H10OSi	001066-40-6	50



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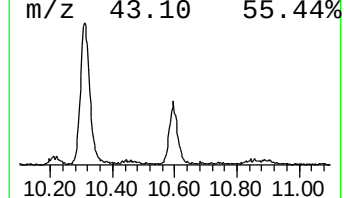
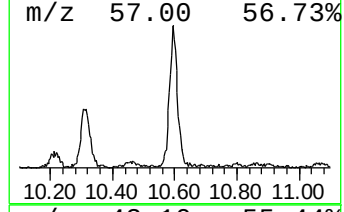
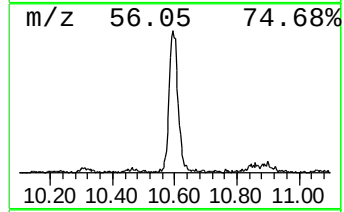
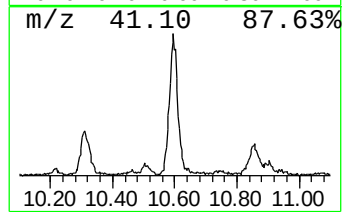
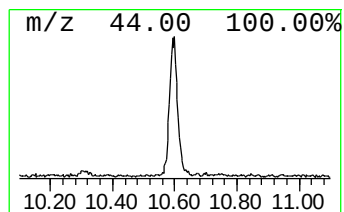
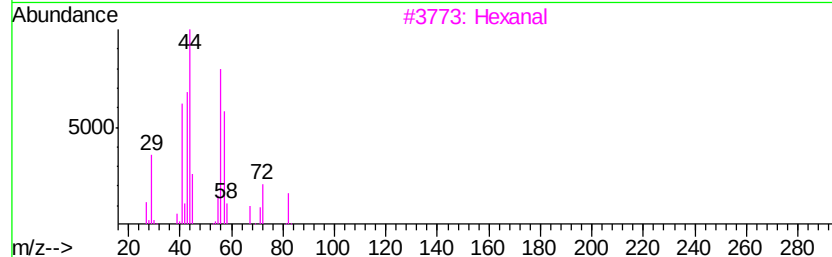
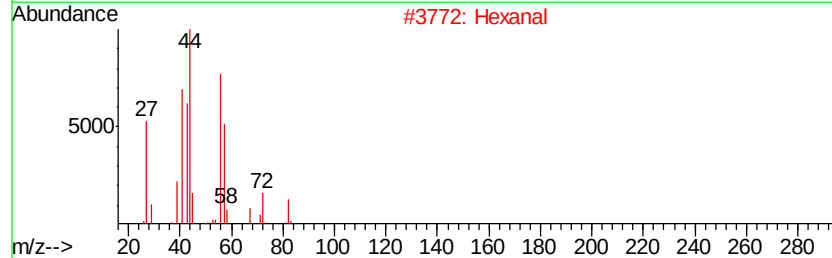
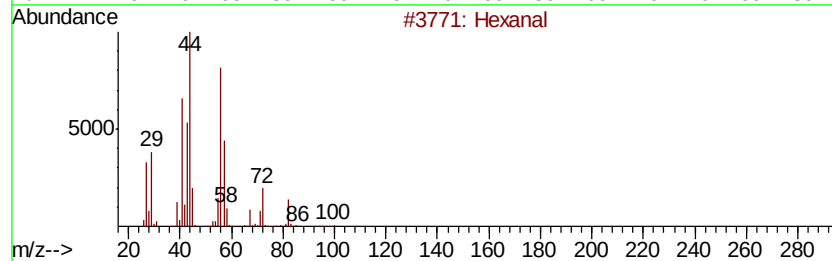
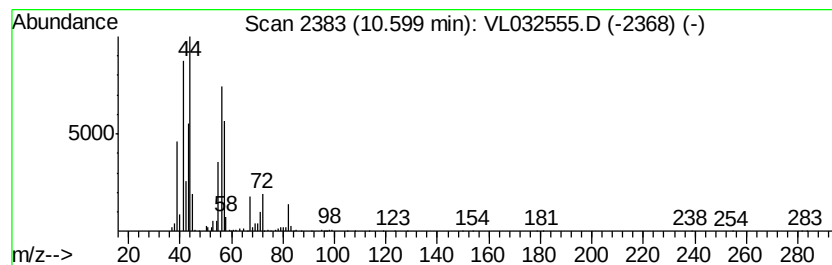
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Hexanal Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	1.01 ppbv	1142270	Chlorobenzene-d5	12.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	72
2		Hexanal	100	C6H12O	000066-25-1	64
3		Hexanal	100	C6H12O	000066-25-1	64
4		Hexanal	100	C6H12O	000066-25-1	50
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	38



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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

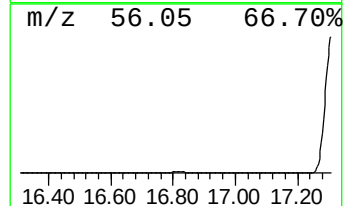
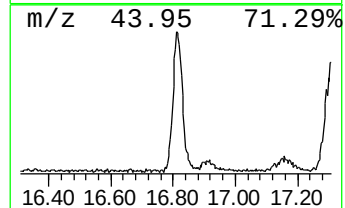
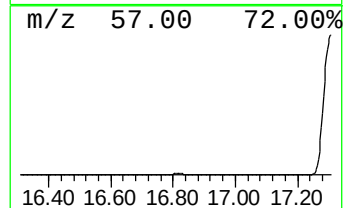
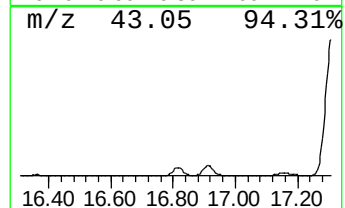
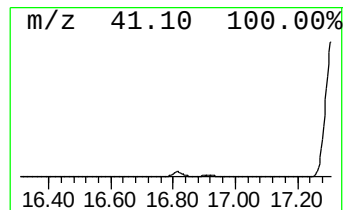
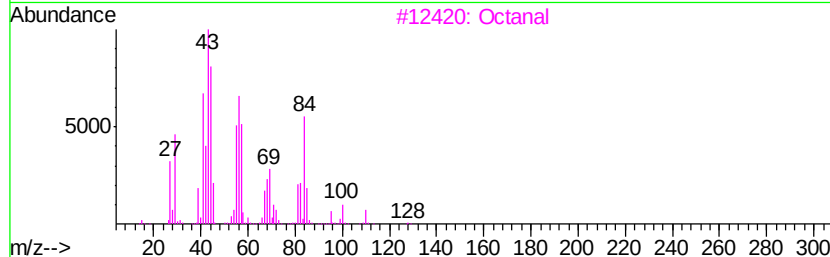
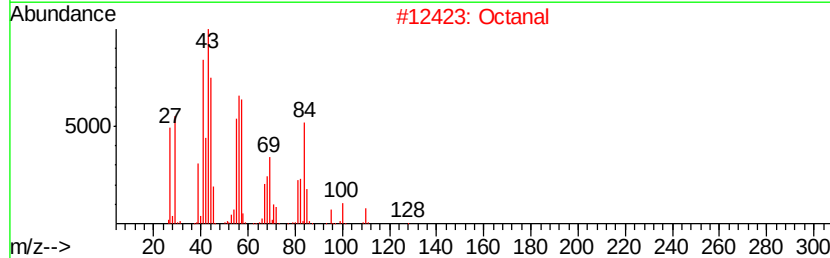
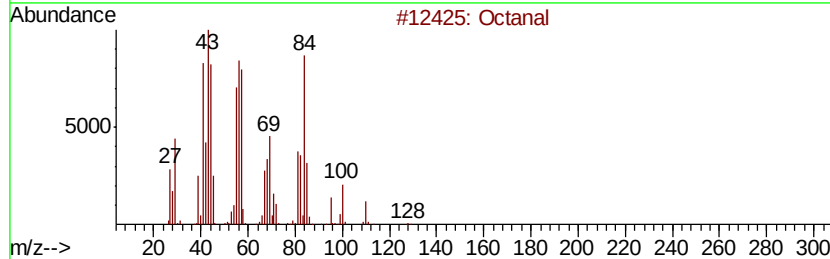
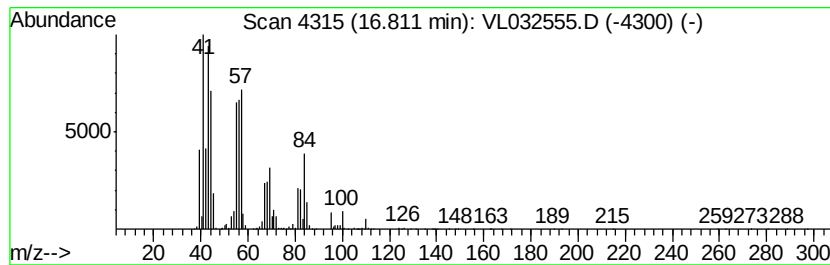
Instrument :
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.81	1.76 ppbv	1993710	Chlorobenzene-d5	12.27	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	93
2	Octanal	128	C8H16O	000124-13-0	72
3	Octanal	128	C8H16O	000124-13-0	68
4	Octanal	128	C8H16O	000124-13-0	47
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	43



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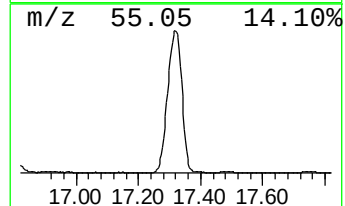
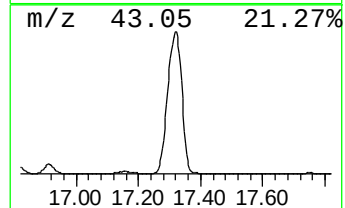
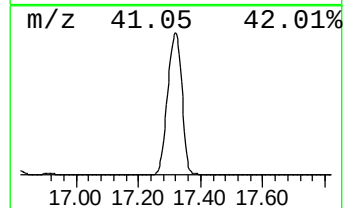
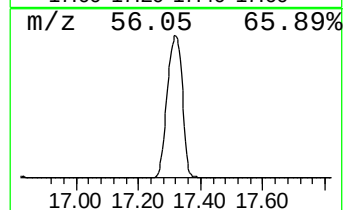
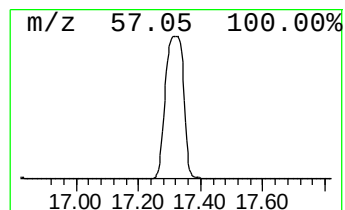
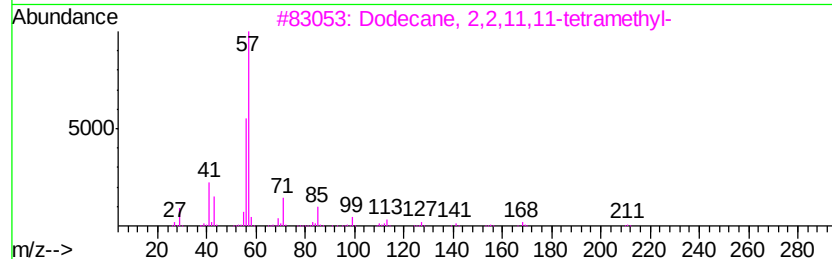
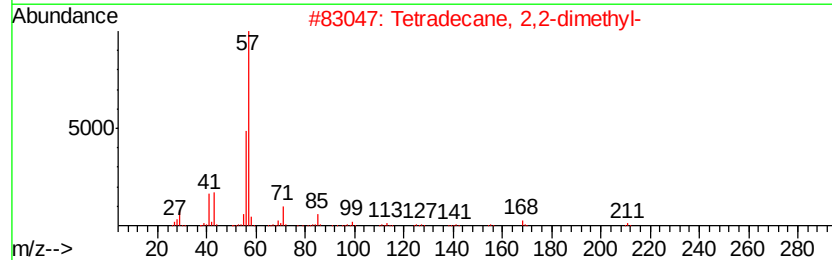
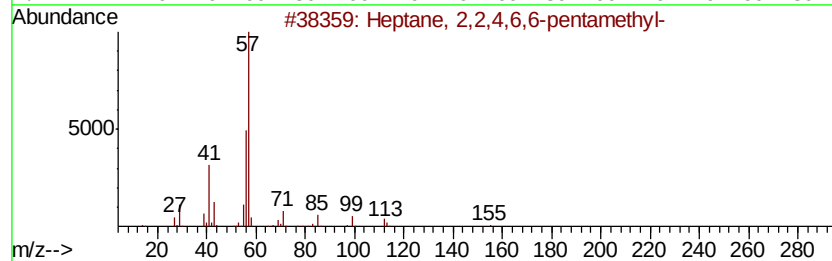
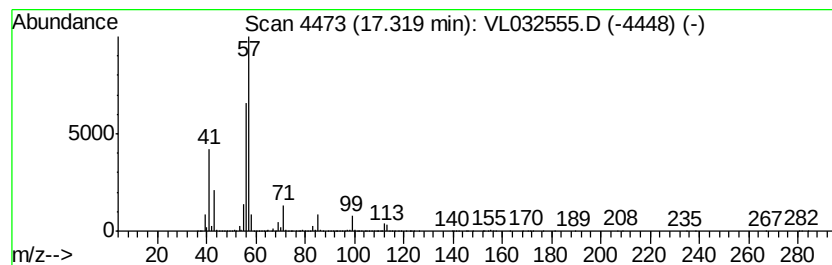
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	84.88 ppbv	95892500	Chlorobenzene-d5	12.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	83
2		Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	78
3		Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	78
4		Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	78
5		Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	72



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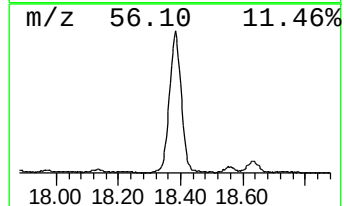
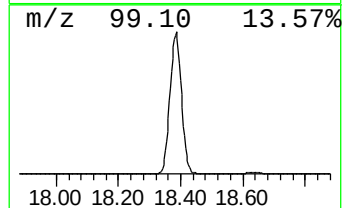
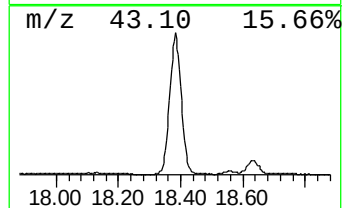
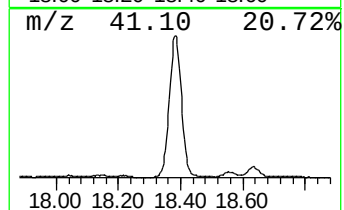
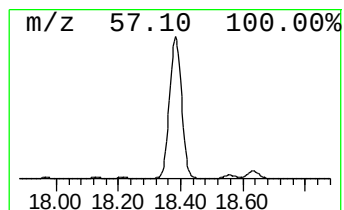
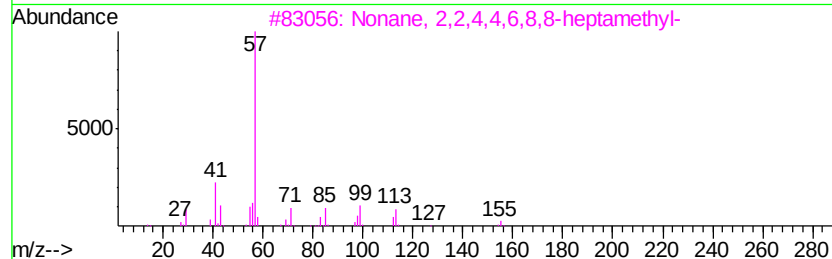
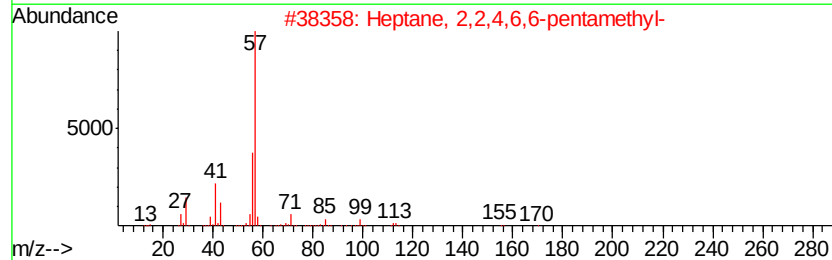
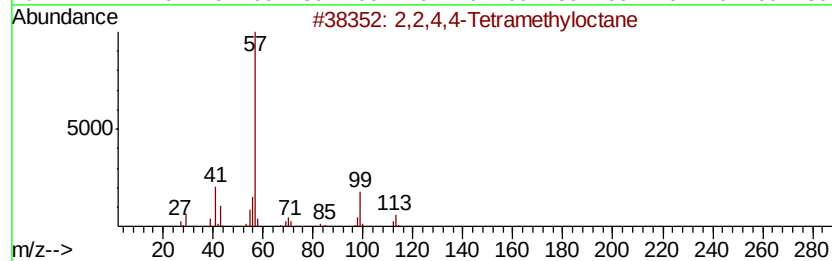
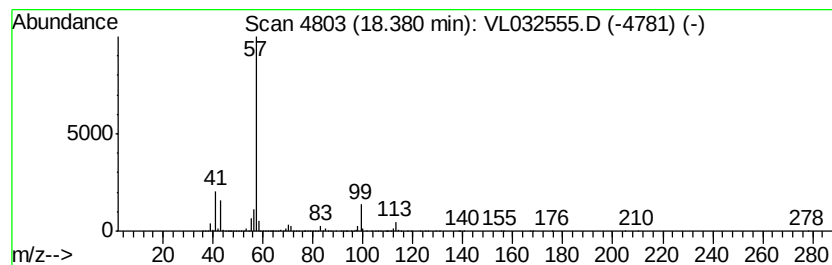
Instrument :
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ClientSampleId :
247

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018

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

Peak Number 8 2,2,4,4-Tetramethyloctane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.38	19.20 ppbv	21693400	Chlorobenzene-d5	12.27		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	59	
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53	
3	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	50	
4	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	50	
5	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	47	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032555.D
Acq On : 27 Sep 2018 18:46
Operator : SY/AP
Sample : J5136-02 1.1X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

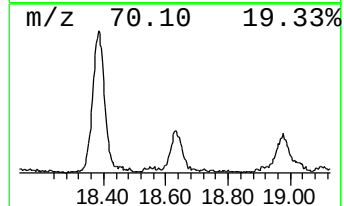
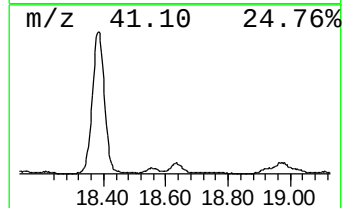
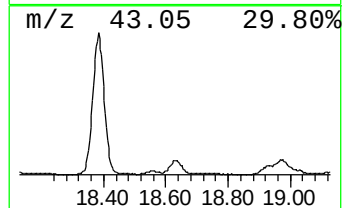
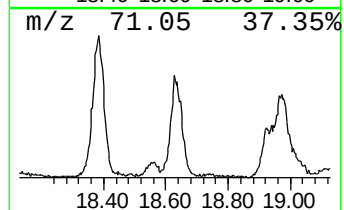
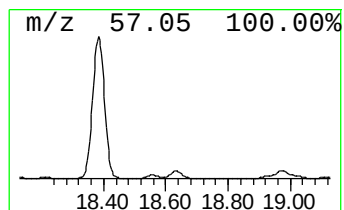
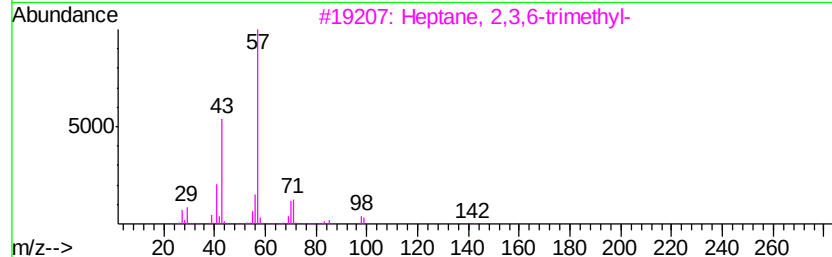
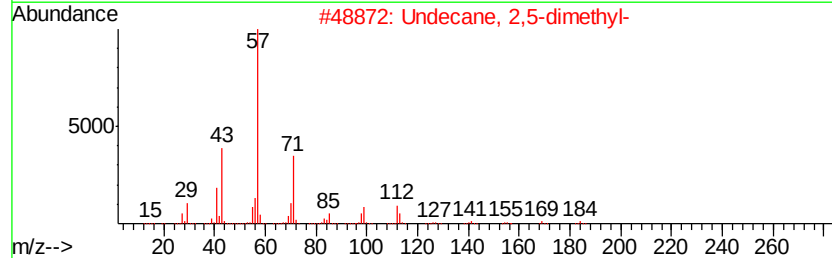
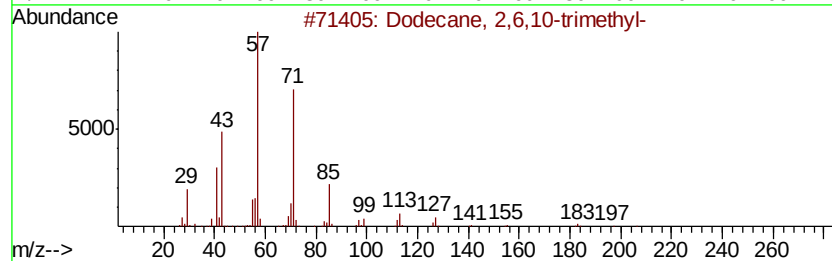
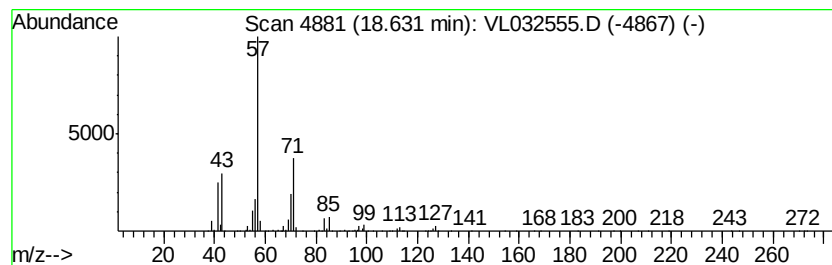
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018

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

Peak Number 9 Dodecane, 2,6,10-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.63	1.46 ppbv	1647650	Chlorobenzene-d5	12.27		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane,	2,6,10-trimethyl-	212	C15H32	003891-98-3	64
2	Undecane,	2,5-dimethyl-	184	C13H28	017301-22-3	59
3	Heptane,	2,3,6-trimethyl-	142	C10H22	004032-93-3	53
4	Oxalic acid,	2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	50
5	Sulfurous acid,	butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032555.D
Acq On : 27 Sep 2018 18:46
Operator : SY/AP
Sample : J5136-02 1.1X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
247

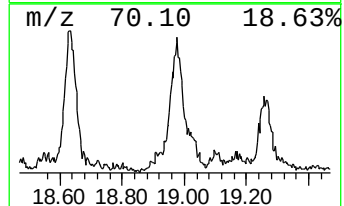
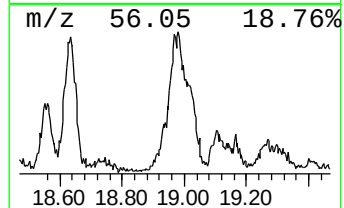
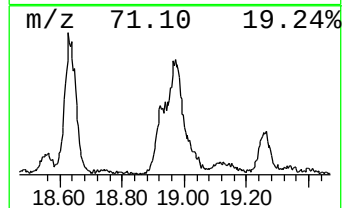
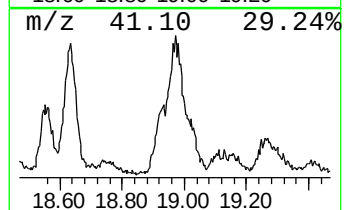
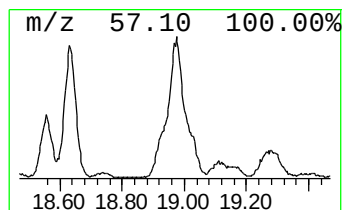
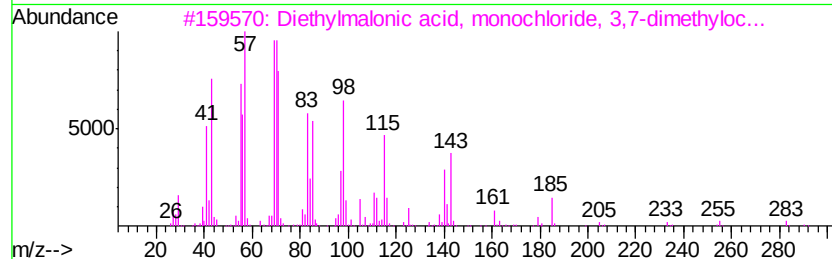
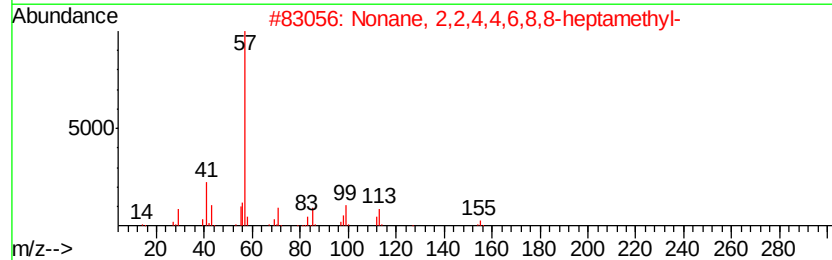
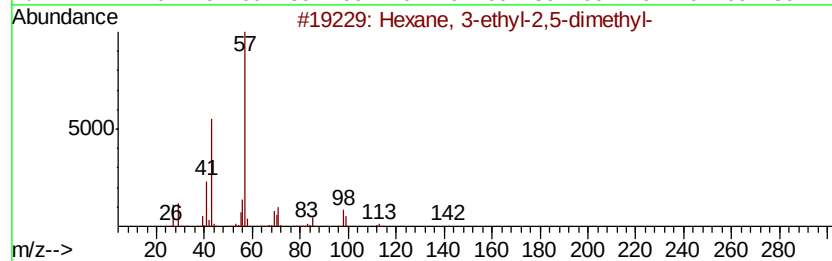
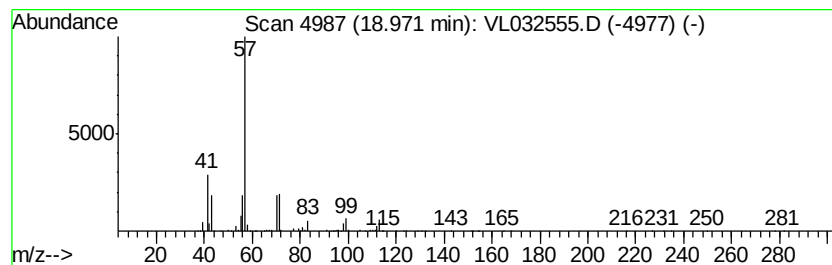
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018

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

Peak Number 10 Hexane, 3-ethyl-2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	2.03 ppbv	2292020	Chlorobenzene-d5	12.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	53
2		Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	53
3		Diethylmalonic acid, monochlorid...	318	C17H31ClO3	1000369-41-8	50
4		Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	50
5		2-Chloropropionic acid, pentade...	318	C18H35ClO2	1000292-44-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032555.D
Acq On : 27 Sep 2018 18:46
Operator : SY/AP
Sample : J5136-02 1.1X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

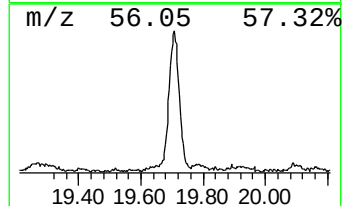
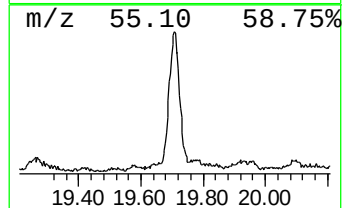
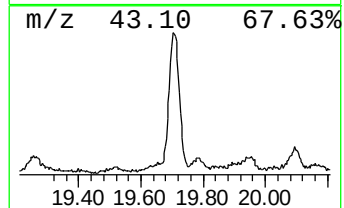
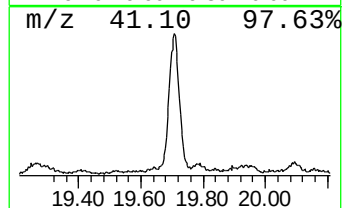
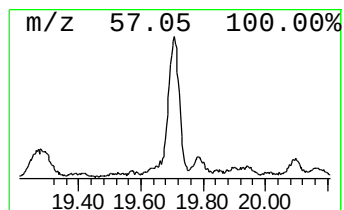
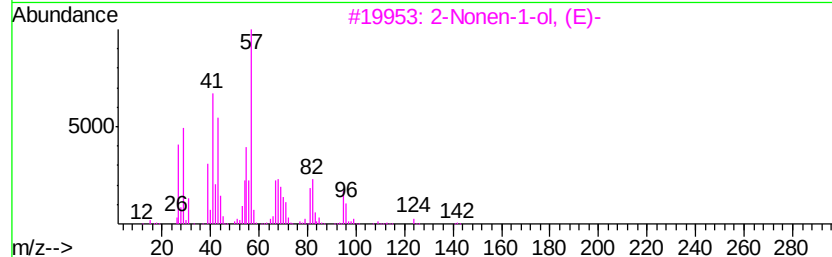
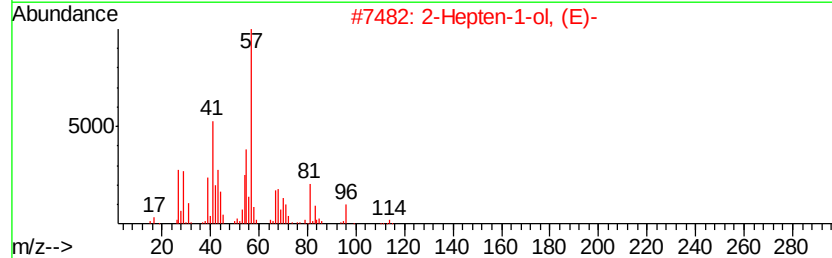
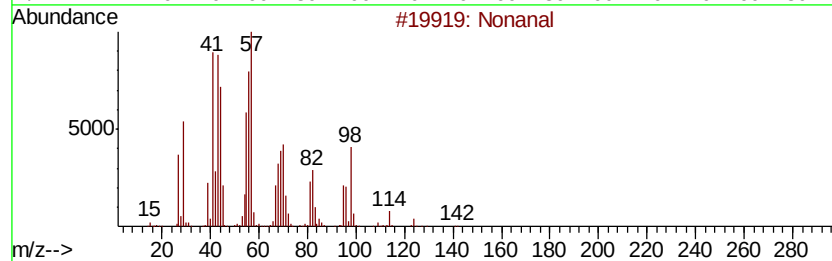
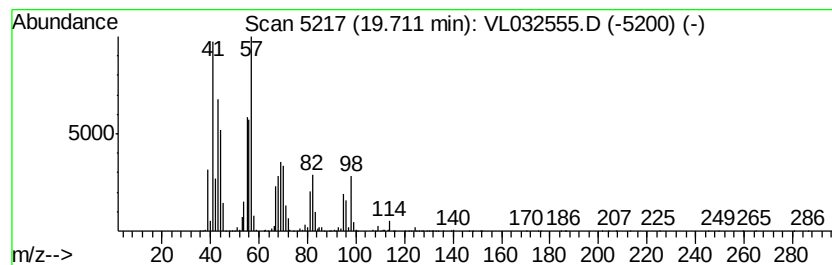
Instrument :
MSVOA_L
ClientSampled :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018

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

Peak Number 11 Nonanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.71	3.30 ppbv	3726970	Chlorobenzene-d5	12.27		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonanal	142	C9H18O	000124-19-6	90
2		2-Hepten-1-ol, (E)-	114	C7H14O	033467-76-4	38
3		2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	27
4		Heptane, 2-chloro-	134	C7H15Cl	001001-89-4	27
5		(Z)-2-Heptene	98	C7H14	006443-92-1	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032555.D
Acq On : 27 Sep 2018 18:46
Operator : SY/AP
Sample : J5136-02 1.1X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

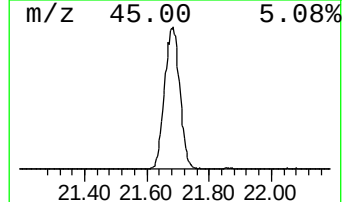
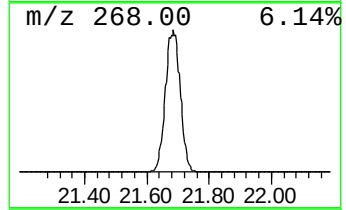
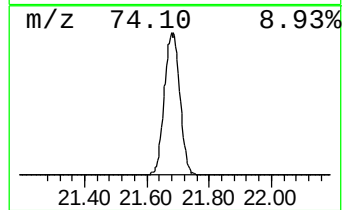
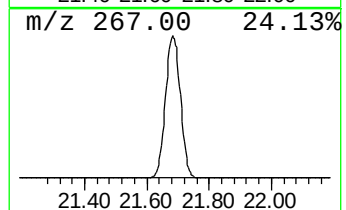
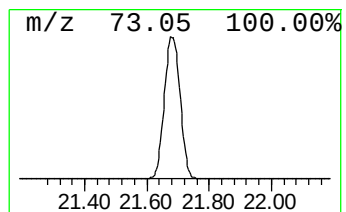
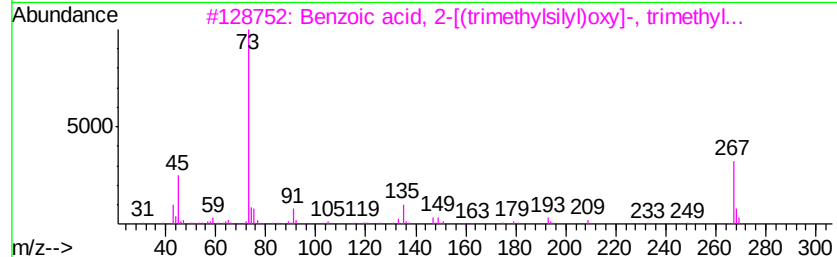
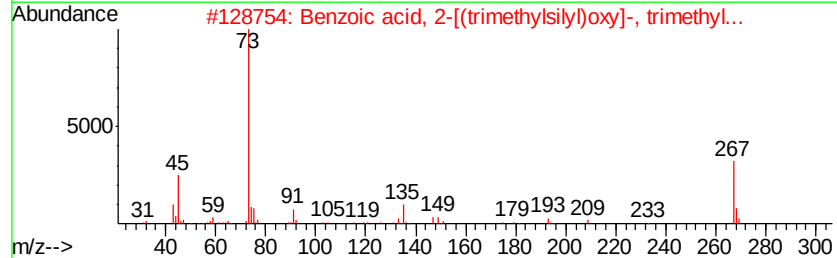
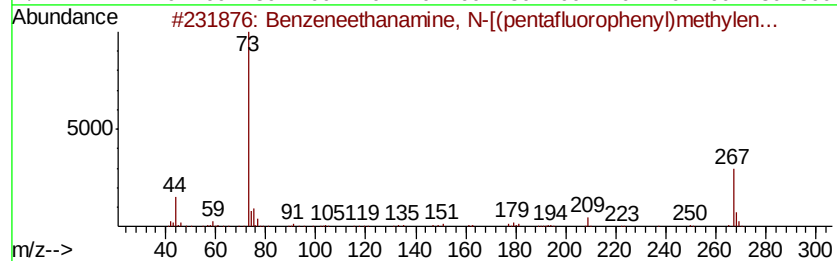
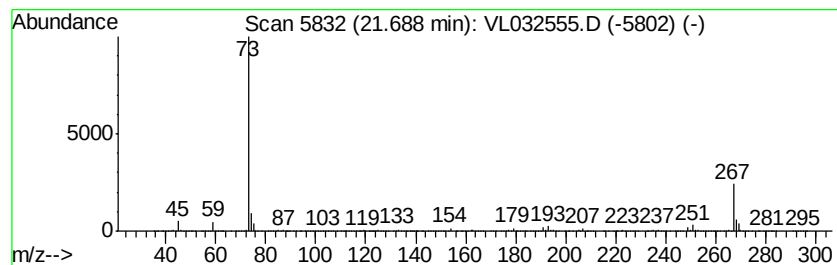
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018

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

Peak Number 12 Benzeneethanamine, N-[(pent... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.69	14.27 ppbv	16119600	Chlorobenzene-d5	12.27		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzeneethanamine, N-[(pentafluoro...	475	C21H26F5N02Si2	055429-85-1	50
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		Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	38
5		1-(3-Chlorophenyl)piperazine, 4-...	268	C13H21ClN2Si	1000373-99-3	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032555.D
Acq On : 27 Sep 2018 18:46
Operator : SY/AP
Sample : J5136-02 1.1X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 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
Acetaldehyde	3.25	5.1	ppbv	2925170	1	5.79	5709440	10.0
tert-Butyldimethy...	5.06	4.4	ppbv	2502020	1	5.79	5709440	10.0
Hexanal	10.60	1.0	ppbv	1142270	3	12.27	11297200	10.0
Octanal	16.81	1.8	ppbv	1993710	3	12.27	11297200	10.0
Heptane, 2,2,4,6,...	17.32	84.9	ppbv	95892500	3	12.27	11297200	10.0
2,2,4,4-Tetrameth...	18.38	19.2	ppbv	21693400	3	12.27	11297200	10.0
Dodecane, 2,6,10-...	18.63	1.5	ppbv	1647650	3	12.27	11297200	10.0
Hexane, 3-ethyl-2...	18.97	2.0	ppbv	2292020	3	12.27	11297200	10.0
Nonanal	19.71	3.3	ppbv	3726970	3	12.27	11297200	10.0
Benzeneethanamine...	21.69	14.3	ppbv	16119600	3	12.27	11297200	10.0