

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
 Data File : VL032490.D
 Acq On : 10 Sep 2018 22:43
 Operator : SY/AP
 Sample : J4820-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 243-BERRY

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\VL083118AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.062	25	39	48	rBV2	1409527	2072300	2.22%	0.501%
2	3.258	88	100	124	rBV	6712839	10864537	11.65%	2.629%
3	3.374	124	136	145	rBV	4217488	5633002	6.04%	1.363%
4	3.930	299	309	332	rBV	2078707	4008726	4.30%	0.970%
5	4.094	347	360	373	rVB	1701250	2504270	2.68%	0.606%
6	4.445	460	469	486	rVB	829016	1309418	1.40%	0.317%
7	5.361	743	754	777	rBV	6485587	12078317	12.95%	2.923%
8	5.805	876	892	909	rBV4	3335300	6685779	7.17%	1.618%
9	7.335	1354	1368	1383	rBV	4850120	9013633	9.66%	2.181%
10	7.634	1447	1461	1485	rBV3	627268	1299624	1.39%	0.314%
11	10.319	2280	2296	2315	rBV2	723842	1490246	1.60%	0.361%
12	10.605	2371	2385	2405	rBV4	602457	1237744	1.33%	0.300%
13	11.875	2754	2780	2811	rBV	13925396	43263563	46.38%	10.469%
14	12.284	2890	2907	2937	rBV2	5169608	11599912	12.44%	2.807%
15	14.621	3616	3634	3654	rBV	4757980	10654216	11.42%	2.578%
16	16.824	4301	4319	4342	rBV3	1410039	3314423	3.55%	0.802%
17	17.174	4401	4428	4452	rBV3	29075852	93282754	100.00%	22.573%
18	17.325	4452	4475	4507	rVB2	23398334	76457124	81.96%	18.501%
19	18.155	4715	4733	4750	rBV8	400814	1129759	1.21%	0.273%
20	18.393	4784	4807	4835	rBV	5441487	15005395	16.09%	3.631%
21	18.644	4871	4885	4901	rVB5	382167	980720	1.05%	0.237%
22	19.717	5203	5219	5236	rBV2	3598227	8292847	8.89%	2.007%
23	20.624	5480	5501	5515	rBV4	426068	1163254	1.25%	0.281%
24	21.708	5805	5838	5864	rVB2	20851403	83989093	90.04%	20.324%
25	23.016	6230	6245	6264	rVB3	793954	2028340	2.17%	0.491%
26	24.167	6586	6603	6620	rBV6	418127	980331	1.05%	0.237%
27	25.997	7162	7172	7180	rBV	908626	1553396	1.67%	0.376%
28	26.174	7220	7227	7248	rVB2	549423	1362121	1.46%	0.330%

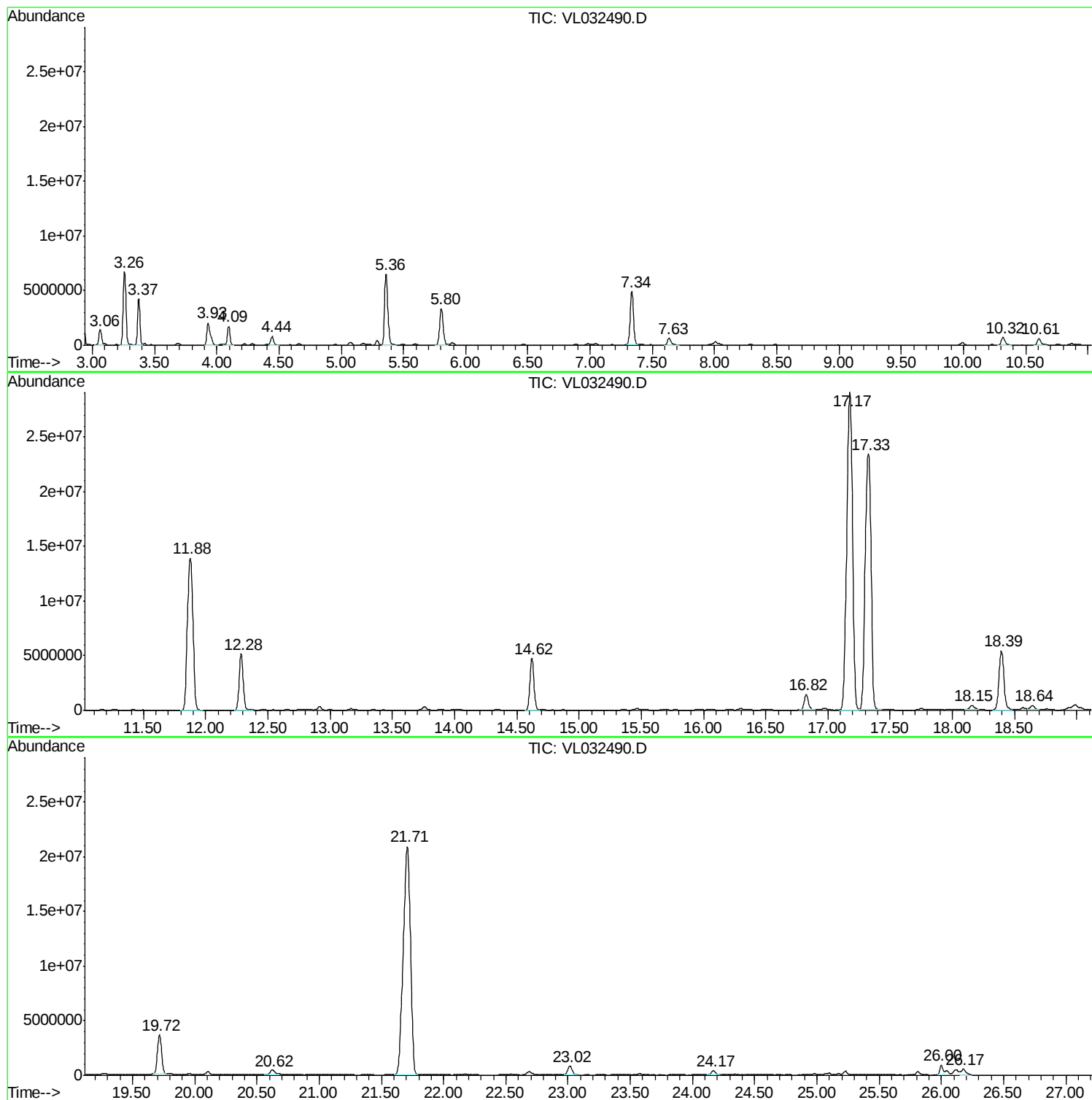
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Instrument :
MSVOA_L
ClientSampleId :
243-BERRY

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018

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



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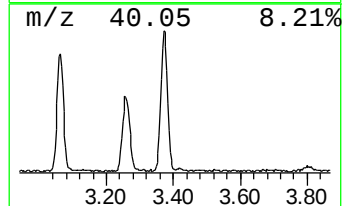
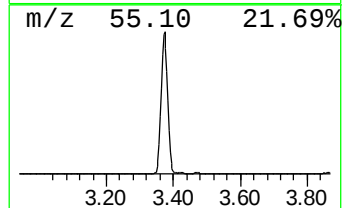
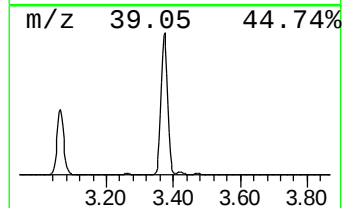
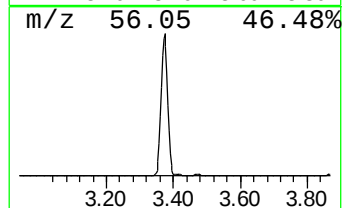
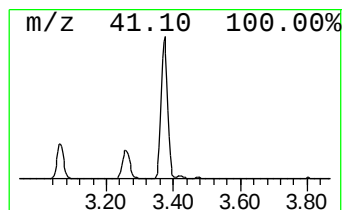
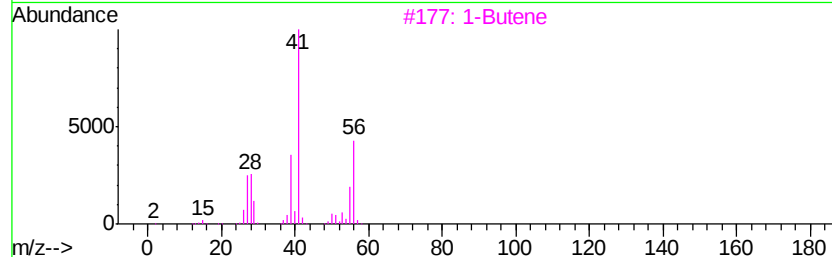
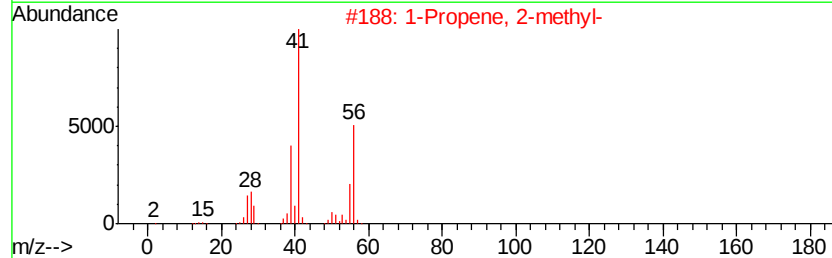
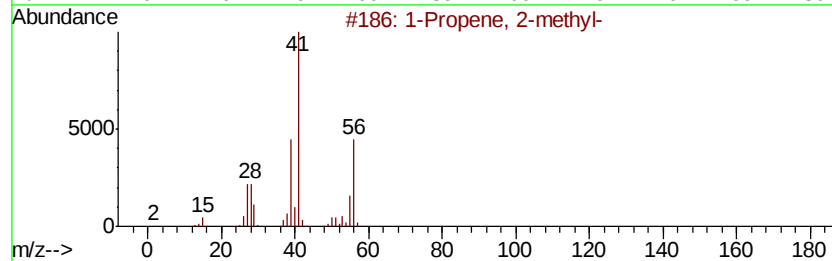
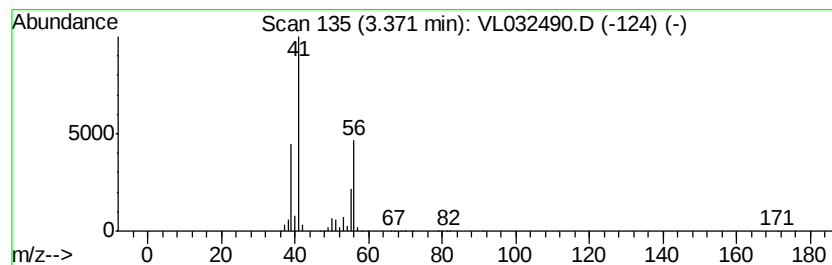
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018

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

Peak Number 2 1-Propene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.37	8.43 ppbv	5633000	Bromochloromethane	5.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2		1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3		1-Butene	56	C4H8	000106-98-9	87
4		1-Butene	56	C4H8	000106-98-9	87
5		1-Butene	56	C4H8	000106-98-9	87



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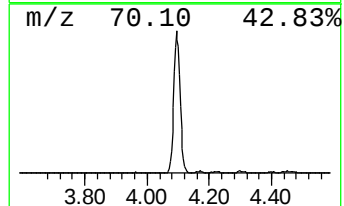
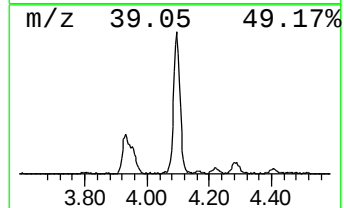
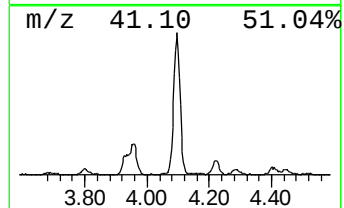
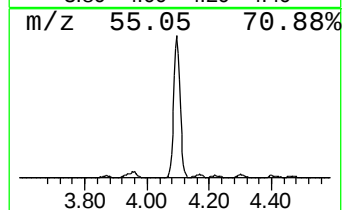
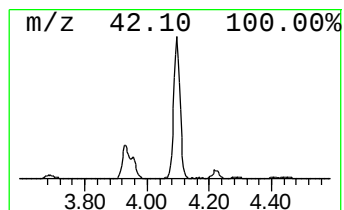
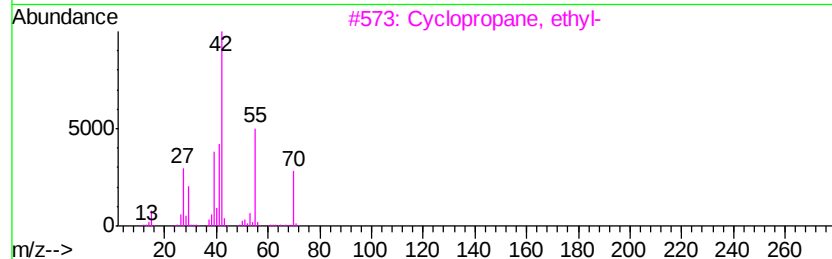
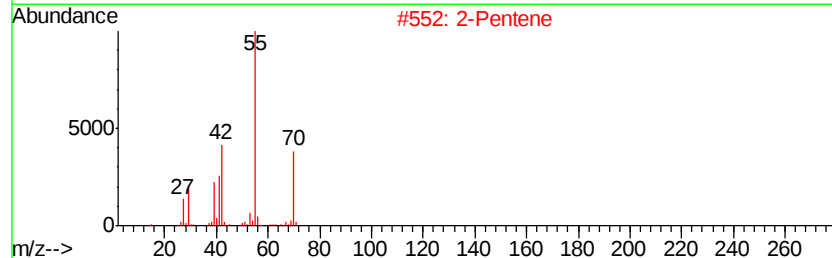
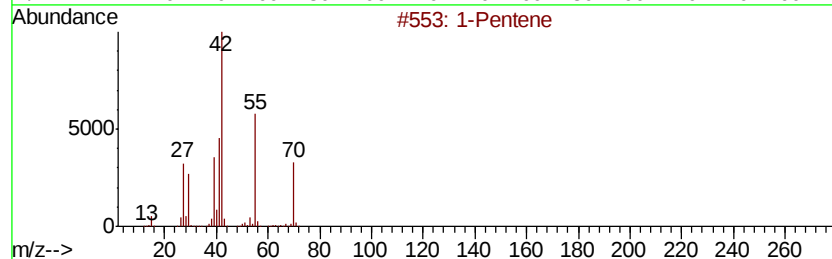
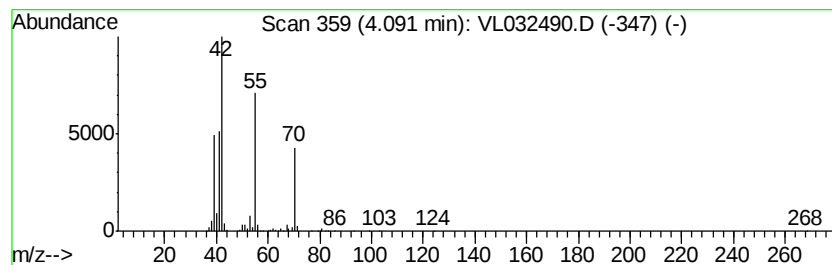
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018

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

Peak Number 3 1-Pentene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.09	3.75 ppbv	2504270	Bromochloromethane	5.80	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	68
2	2-Pentene	70	C5H10	000109-68-2	64
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
4	1-Pentene	70	C5H10	000109-67-1	64
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	64



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Misc : 400ml/MSVOA L
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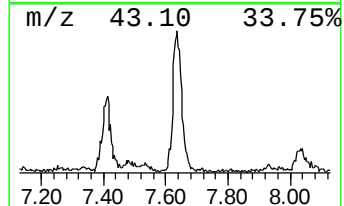
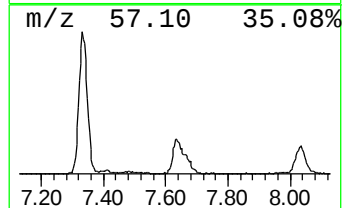
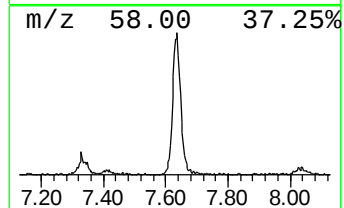
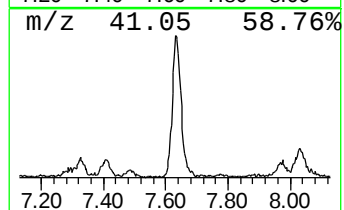
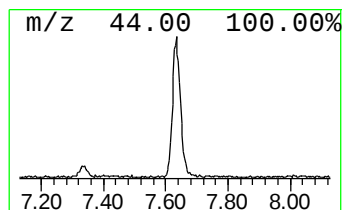
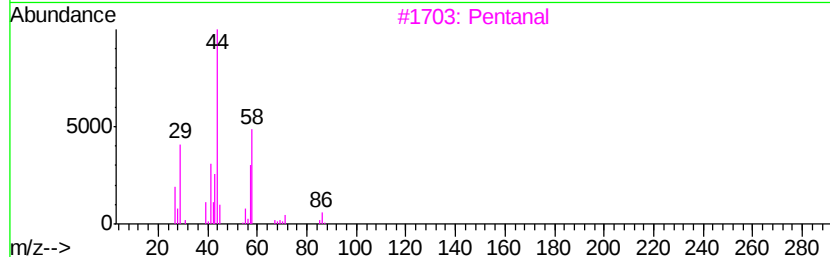
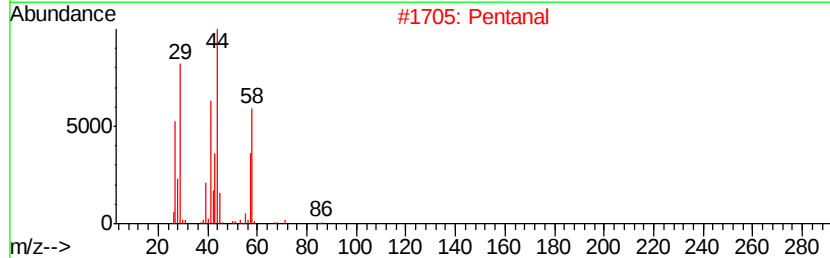
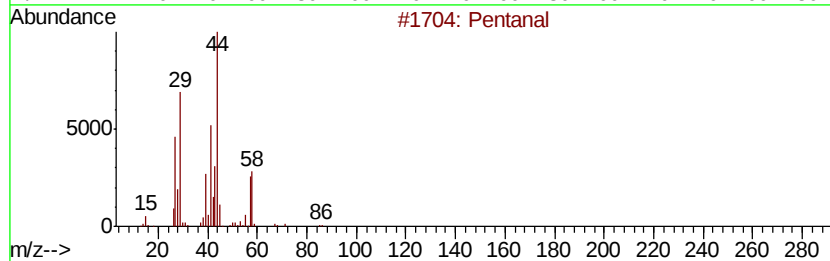
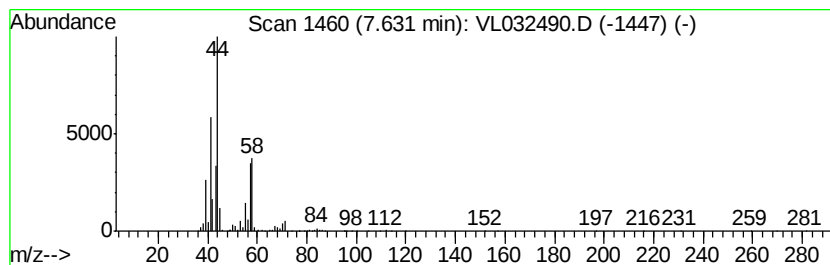
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Pentanal Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	1.44 ppbv	1299620	1,4-Difluorobenzene	7.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	86
2		Pentanal	86	C5H10O	000110-62-3	72
3		Pentanal	86	C5H10O	000110-62-3	45
4		Cyclopropyl carbinol	72	C4H8O	002516-33-8	42
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	38



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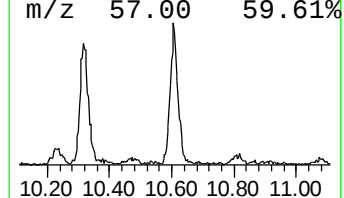
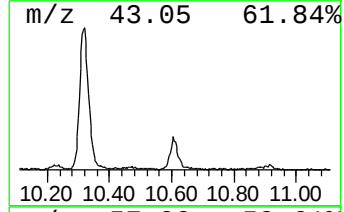
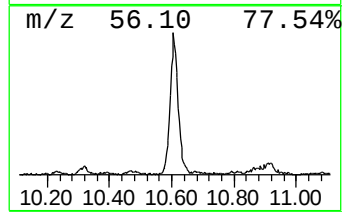
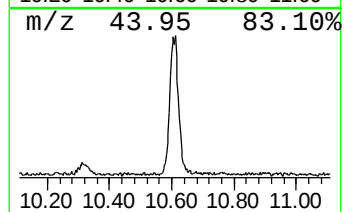
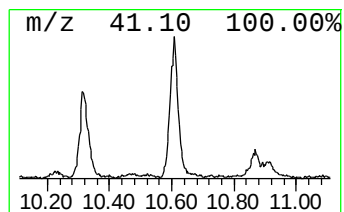
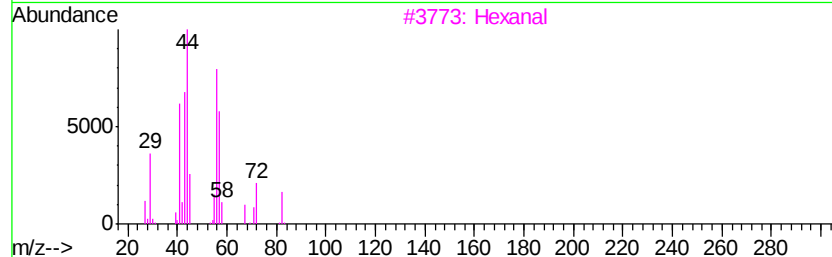
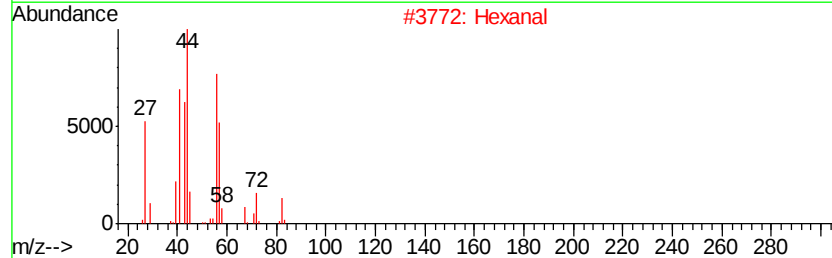
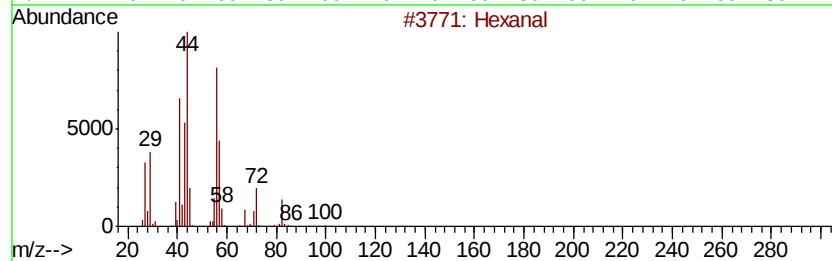
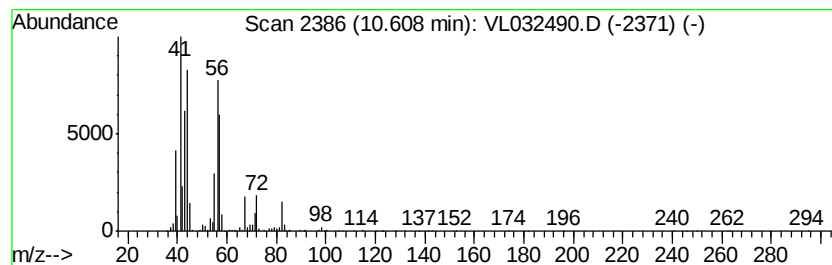
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Hexanal Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	1.07 ppbv	1237740	Chlorobenzene-d5	12.28

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal		100	C6H12O	000066-25-1	64
2	Hexanal		100	C6H12O	000066-25-1	64
3	Hexanal		100	C6H12O	000066-25-1	59
4	Hexanal		100	C6H12O	000066-25-1	50
5	Butanal		72	C4H8O	000123-72-8	38



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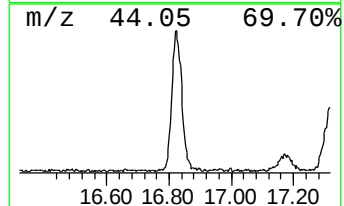
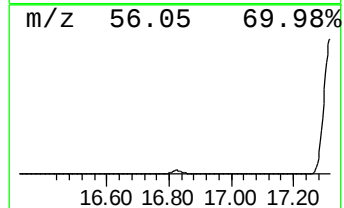
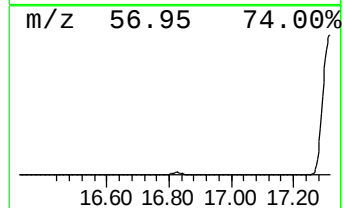
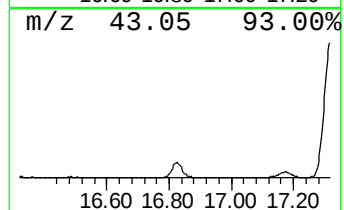
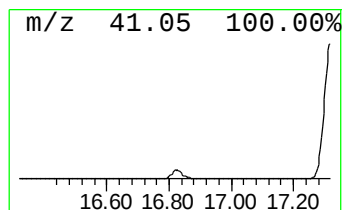
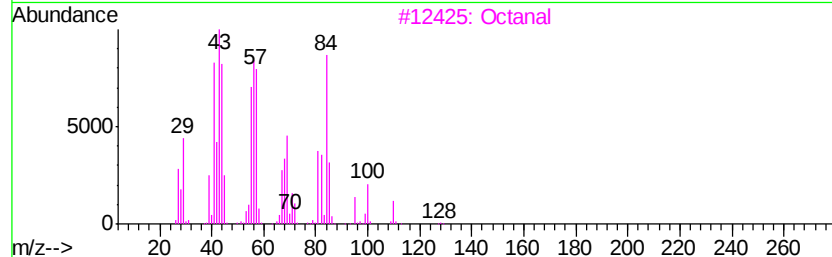
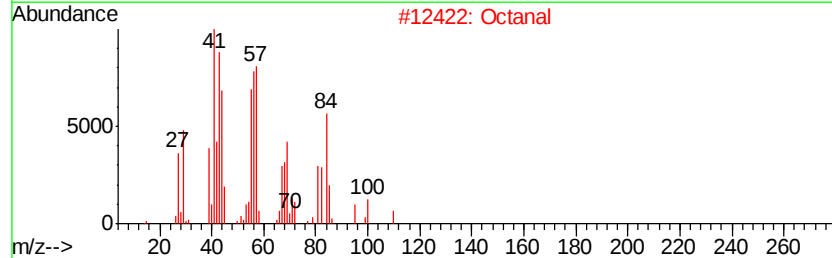
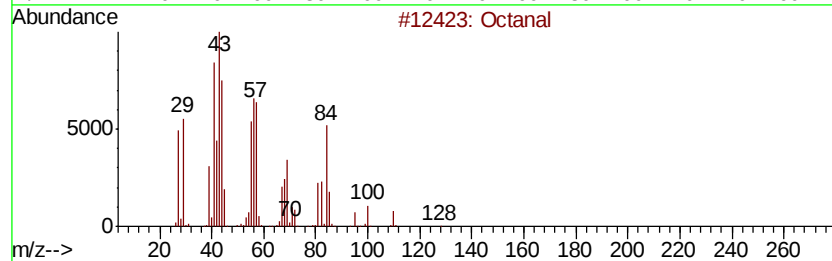
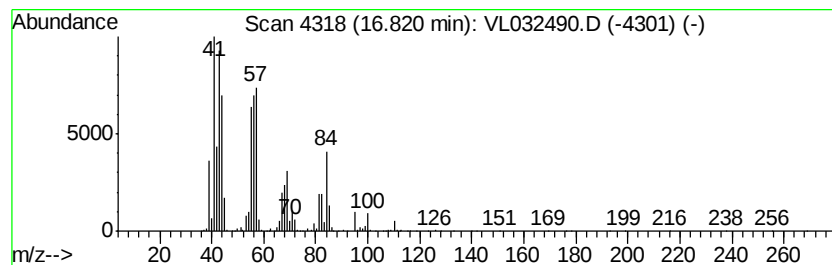
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Octanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.86 ppbv	3314420	Chlorobenzene-d5	12.28

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal		128	C8H16O	000124-13-0	95
2	Octanal		128	C8H16O	000124-13-0	91
3	Octanal		128	C8H16O	000124-13-0	90
4	Octanal		128	C8H16O	000124-13-0	72
5	Octanal		128	C8H16O	000124-13-0	49



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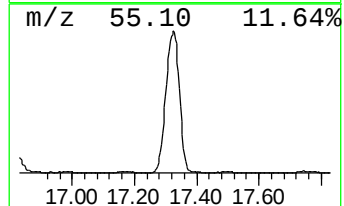
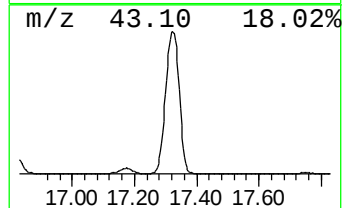
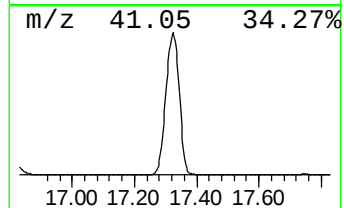
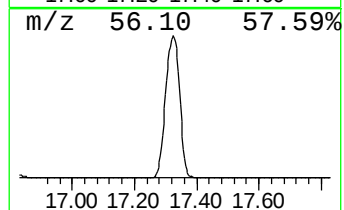
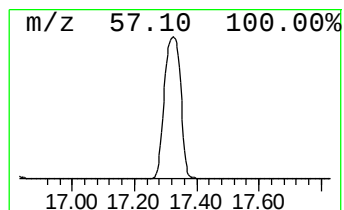
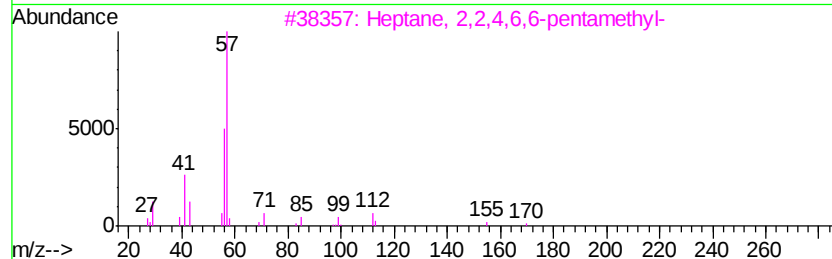
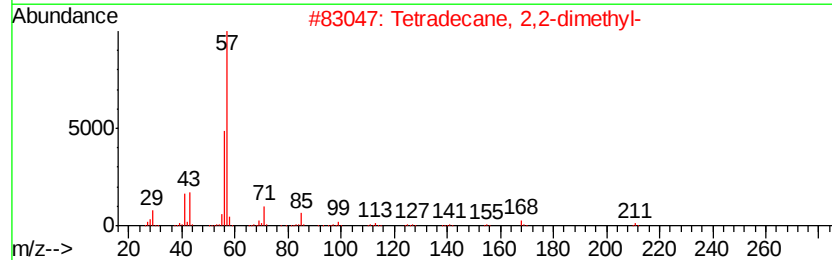
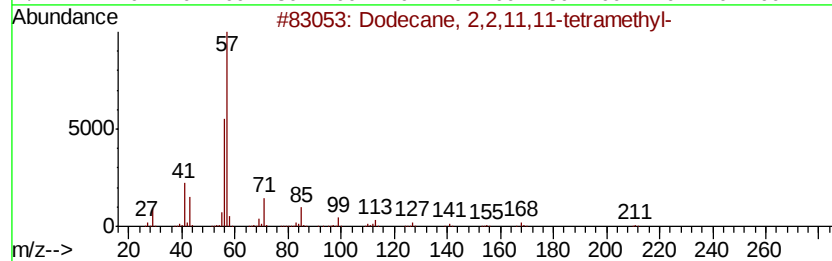
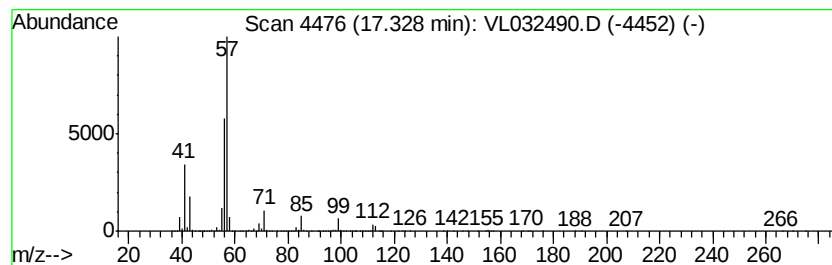
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018

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

Peak Number 9 Dodecane, 2,2,11,11-tetrame... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	65.91 ppbv	76457100	Chlorobenzene-d5	12.28

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
Data File : VL032490.D
Acq On : 10 Sep 2018 22:43
Operator : SY/AP
Sample : J4820-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

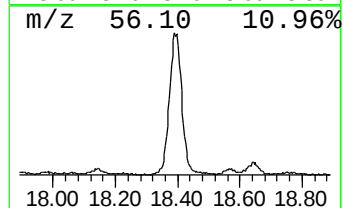
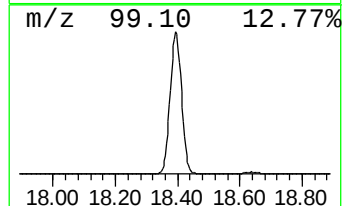
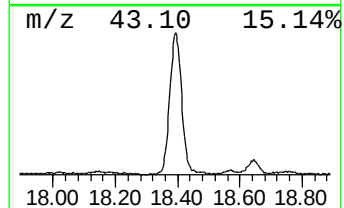
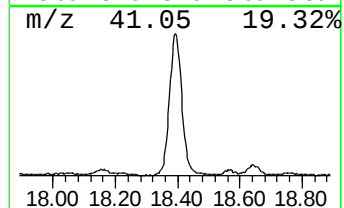
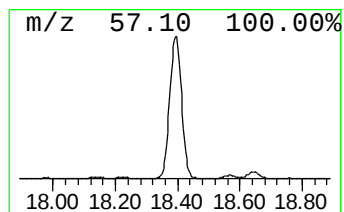
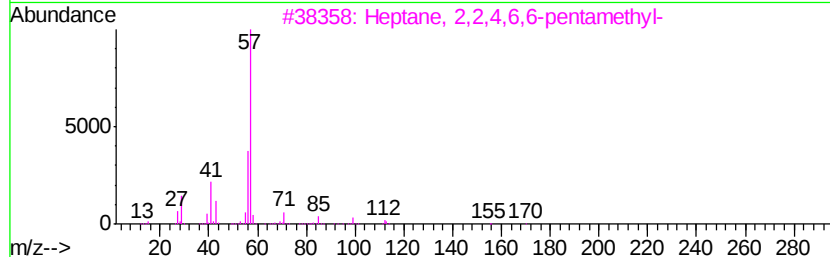
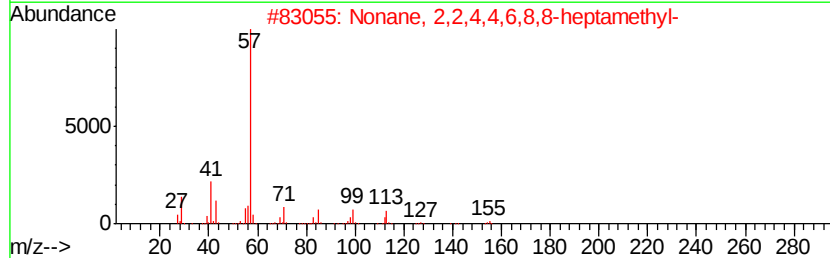
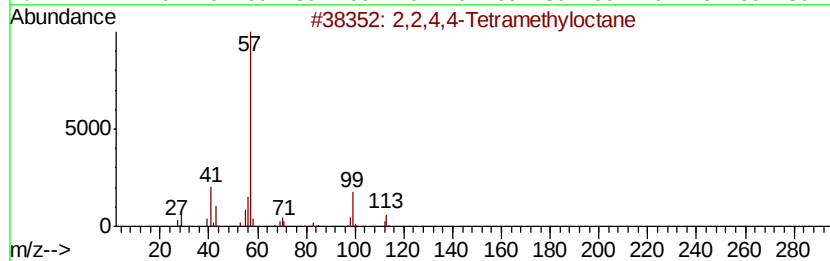
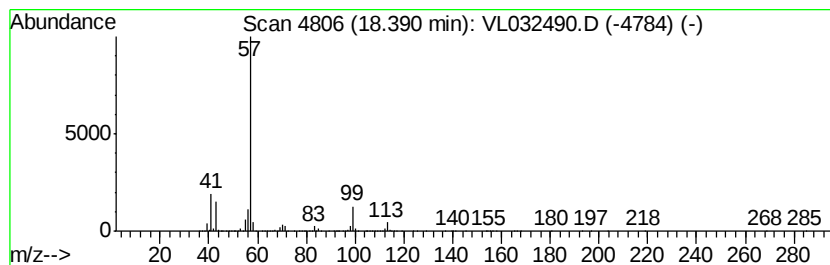
Instrument :
MSVOA_L
ClientSampleId :
243-BERRY

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018

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

Peak Number 10 2,2,4,4-Tetramethyloctane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.39	12.94 ppbv	15005400	Chlorobenzene-d5	12.28		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	59	
2	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	50	
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	47	
4	Heptane, 3-bromo-	178	C7H15Br	001974-05-6	45	
5	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	45	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091018\
Data File : VL032490.D
Acq On : 10 Sep 2018 22:43
Operator : SY/AP
Sample : J4820-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

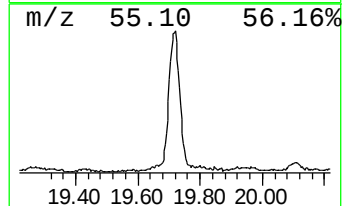
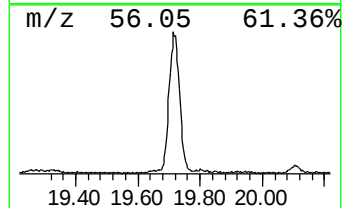
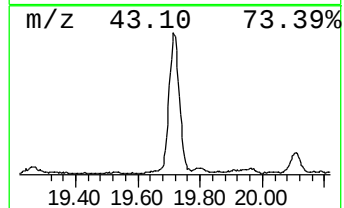
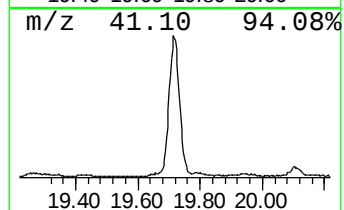
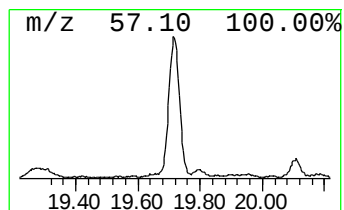
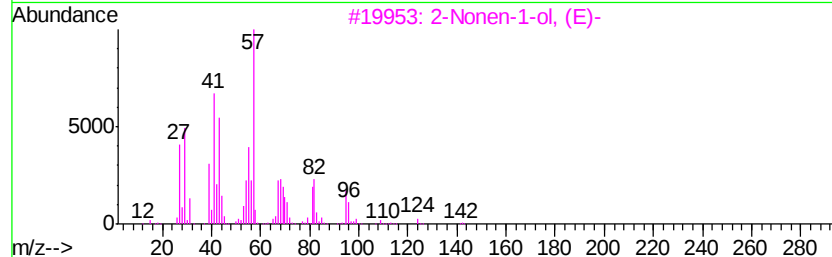
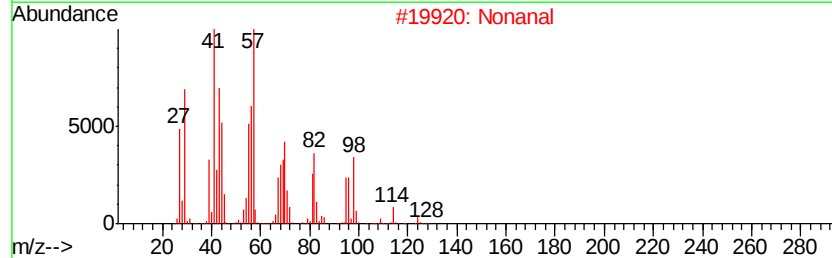
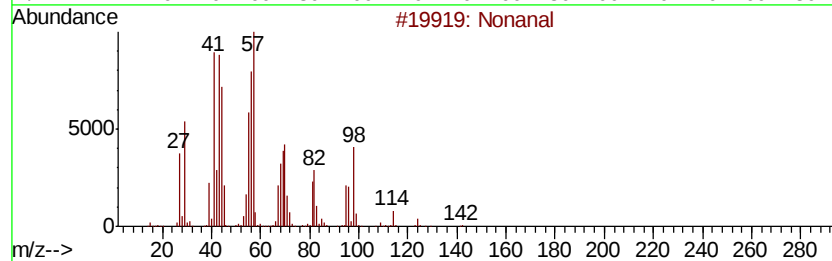
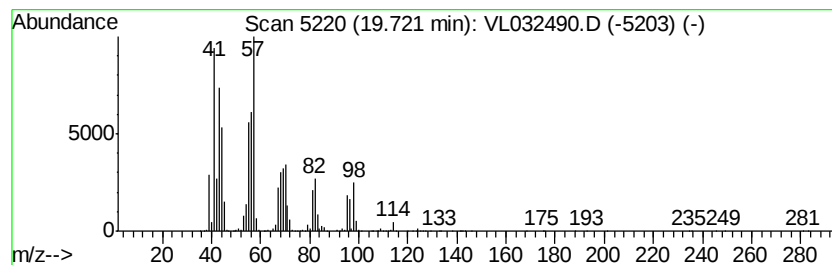
Instrument :
MSVOA_L
ClientSampleId :
243-BERRY

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 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.
19.72	7.15 ppbv	8292850	Chlorobenzene-d5	12.28
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonanal		142 C9H18O	000124-19-6 90
2	Nonanal		142 C9H18O	000124-19-6 64
3	2-Nonen-1-ol, (E)-		142 C9H18O	031502-14-4 43
4	Oxirane, octyl-		156 C10H20O	002404-44-6 43
5	2-Hepten-1-ol, (E)-		114 C7H14O	033467-76-4 38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
Data File : VL032490.D
Acq On : 10 Sep 2018 22:43
Operator : SY/AP
Sample : J4820-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
243-BERRY

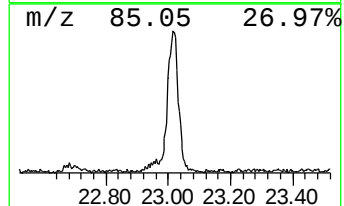
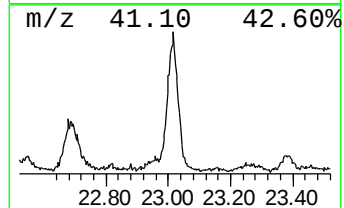
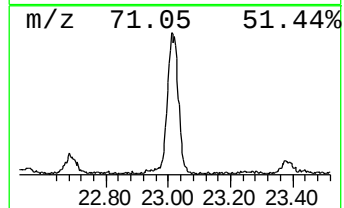
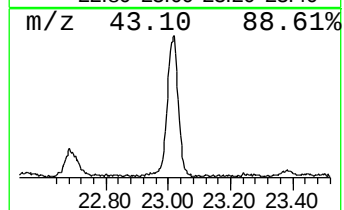
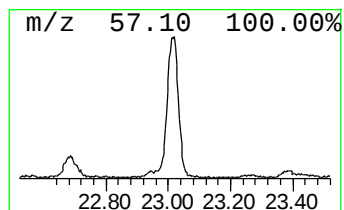
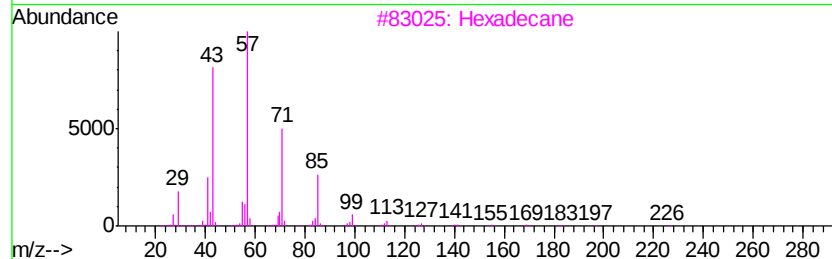
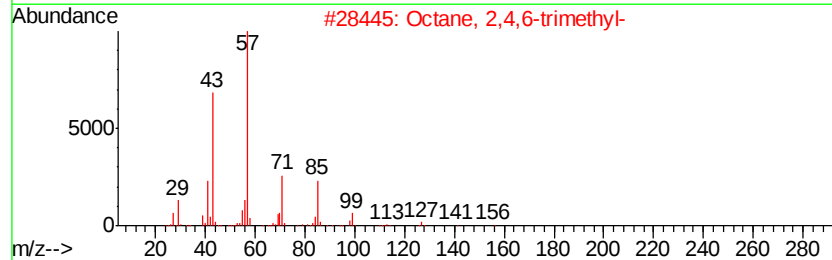
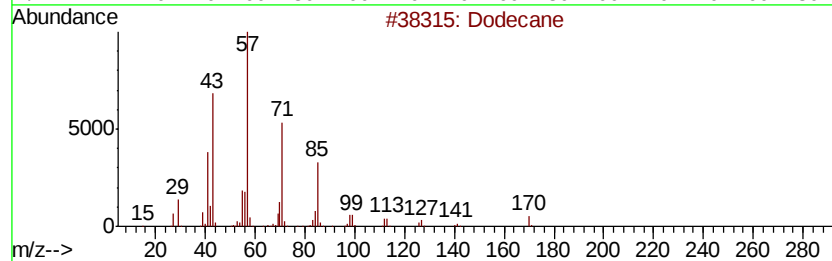
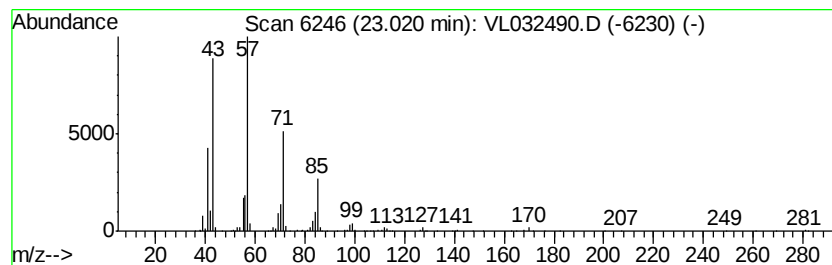
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018

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

Peak Number 13 Dodecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.02	1.75 ppbv	2028340	Chlorobenzene-d5	12.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	93
2		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	86
3		Hexadecane	226	C16H34	000544-76-3	80
4		Nonadecane, 2-methyl-	282	C20H42	001560-86-7	78
5		2,6-Dimethyldecane	170	C12H26	013150-81-7	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032490.D
Acq On : 10 Sep 2018 22:43
Operator : SY/AP
Sample : J4820-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
243-BERRY

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 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
1-Propene, 2-methyl-	3.37	8.4	ppbv	5633000	1	5.80	6685780	10.0
1-Pentene	4.09	3.8	ppbv	2504270	1	5.80	6685780	10.0
Pentanal	7.63	1.4	ppbv	1299620	2	7.34	9013630	10.0
Hexanal	10.61	1.1	ppbv	1237740	3	12.28	11599900	10.0
Octanal	16.82	2.9	ppbv	3314420	3	12.28	11599900	10.0
Dodecane, 2,2,11,...	17.33	65.9	ppbv	76457100	3	12.28	11599900	10.0
2,2,4,4-Tetrameth...	18.39	12.9	ppbv	15005400	3	12.28	11599900	10.0
Nonanal	19.72	7.2	ppbv	8292850	3	12.28	11599900	10.0
Dodecane	23.02	1.8	ppbv	2028340	3	12.28	11599900	10.0