

Data File : VL032607.D
Acq On : 11 Oct 2018 16:43
Operator : SY/AP
Sample : J5316-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Quant Time: Oct 12 01:55:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1564322	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3419286	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3607720	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2603260	9.57	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

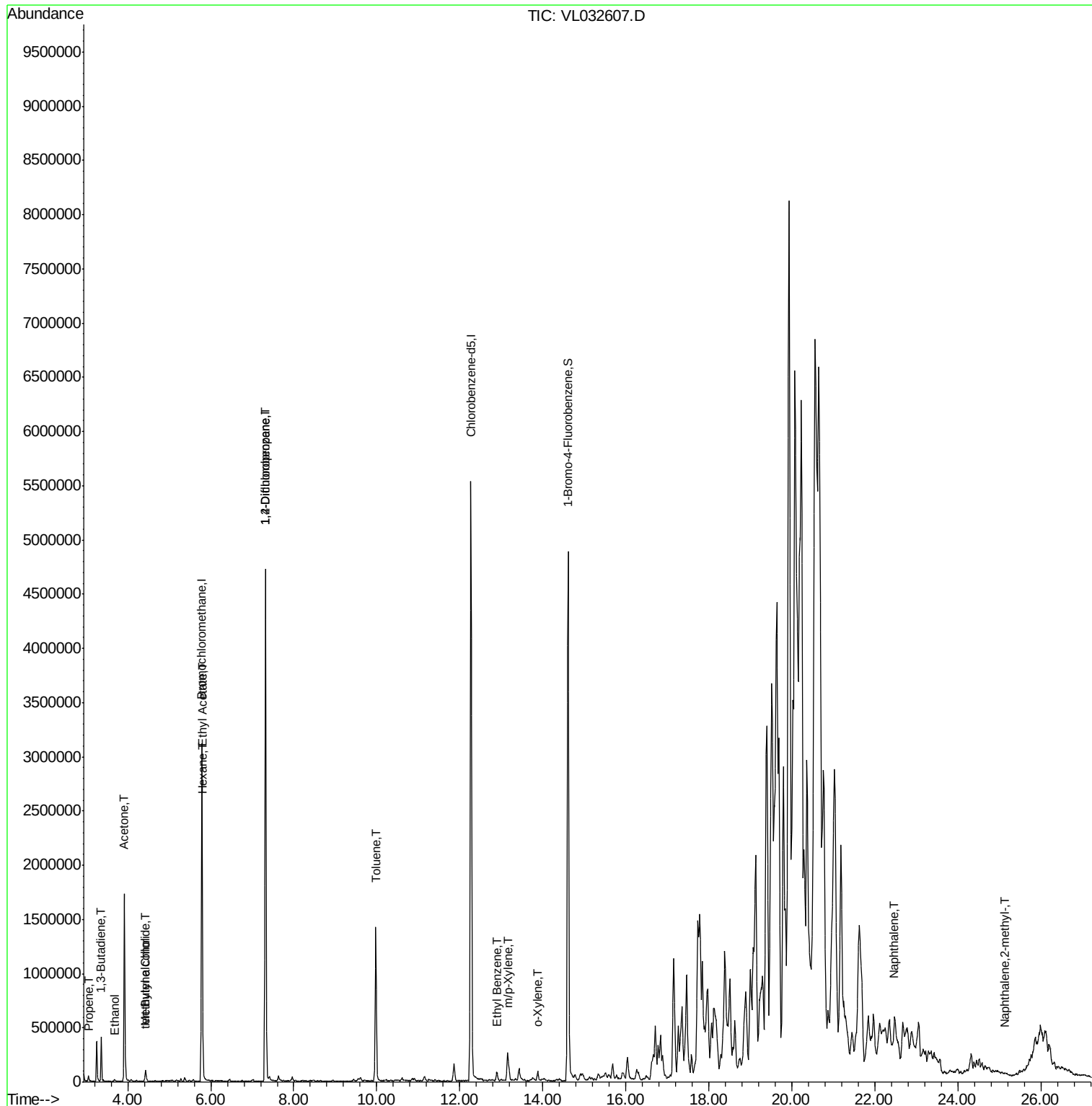
Target Compounds						Qvalue
9) Propene	3.05	41	16063	0.285	ppbv	94
13) Ethanol	3.69	45	16229	0.957	ppbv	87
15) Acetone	3.92	43	1803482	13.134	ppbv	100
16) 1,3-Butadiene	3.36	39	94045	1.689	ppbv #	6
17) tert-Butyl alcohol	4.41	59	12564	0.728	ppbv #	100
20) Methylene Chloride	4.43	84	16053	0.241	ppbv #	78
25) Ethyl Acetate	5.80	43	27205	0.082	ppbv #	82
26) Hexane	5.80	57	52621	0.350	ppbv #	44
39) 1,2-Dichloropropane	7.32	63	901477	7.239	ppbv #	25
53) Toluene	9.98	91	1059643	3.147	ppbv	100
58) Ethyl Benzene	12.89	91	68246	0.156	ppbv	93
59) m/p-Xylene	13.15	91	252826	0.649	ppbv	100
60) o-Xylene	13.88	91	33303	0.088	ppbv #	39
79) Naphthalene	22.45	128	22664	0.073	ppbv	96
80) Naphthalene,2-methyl-	25.13	142	2744	0.038	ppbv #	32

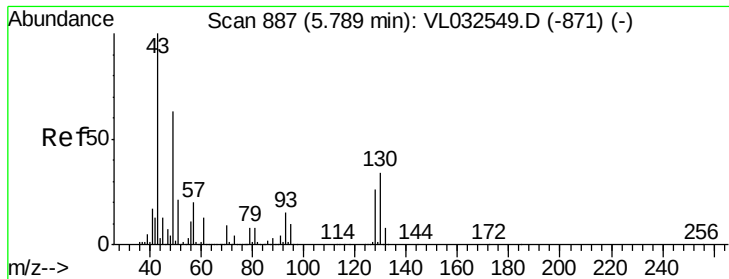
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL032607.D
Acq On : 11 Oct 2018 16:43
Operator : SY/AP
Sample : J5316-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Quant Time: Oct 12 01:55:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032607.D

Acq: 11 Oct 2018 16:43

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

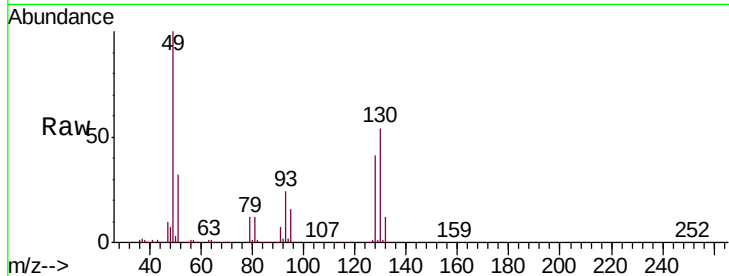
Tgt Ion: 49 Resp: 1564322

Ion Ratio Lower Upper

49 100

128 43.0 20.7 62.1

130 55.6 26.6 79.7



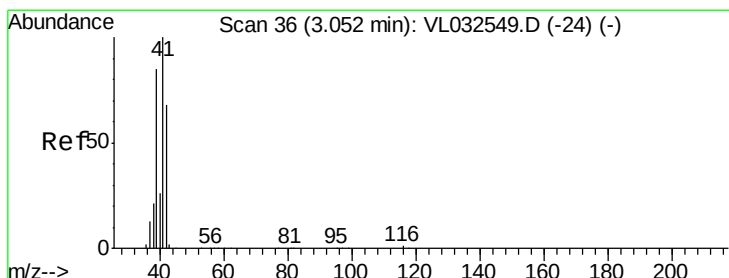
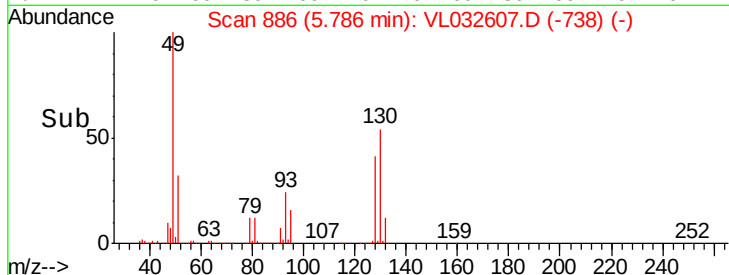
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.79

Time-->



#9

Propene

Concen: 0.285 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032607.D

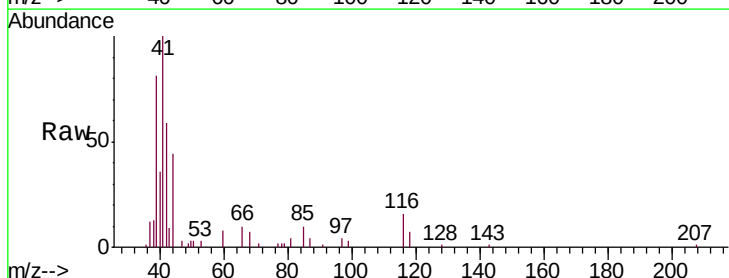
Acq: 11 Oct 2018 16:43

Tgt Ion: 41 Resp: 16063

Ion Ratio Lower Upper

41 100

42 65.8 56.6 84.8

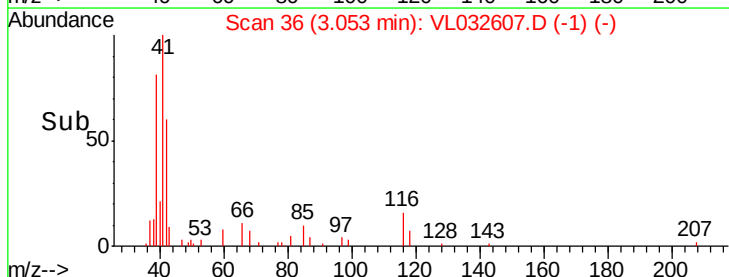


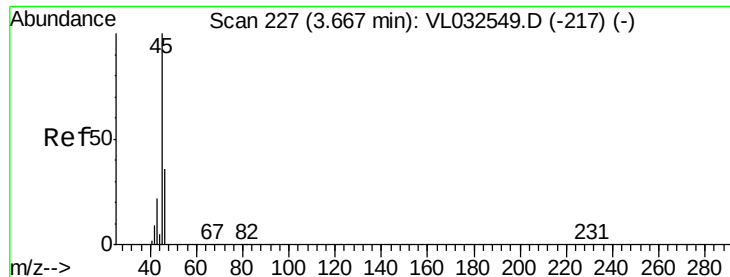
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.05

Time-->





#13

Ethanol

Concen: 0.957 ppbv

RT: 3.69 min Scan# 233

Delta R.T. 0.00 min

Lab File: VL032607.D

Acq: 11 Oct 2018 16:43

Instrument :

MSVOA_L

ClientSampleId :

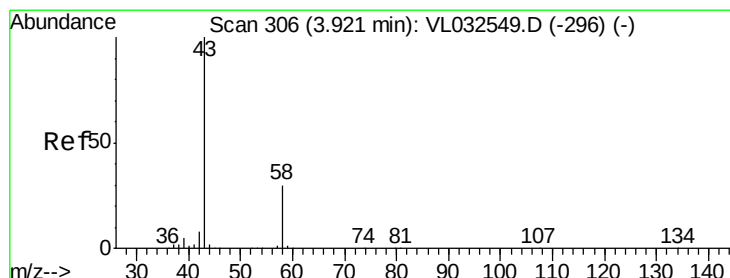
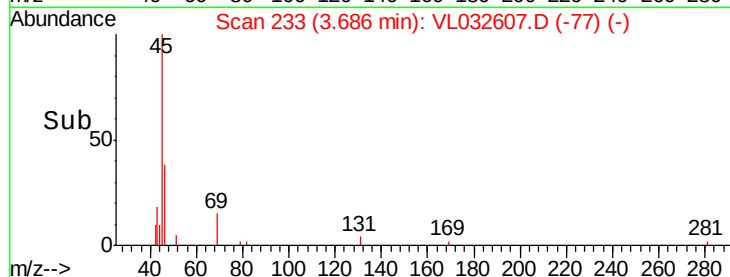
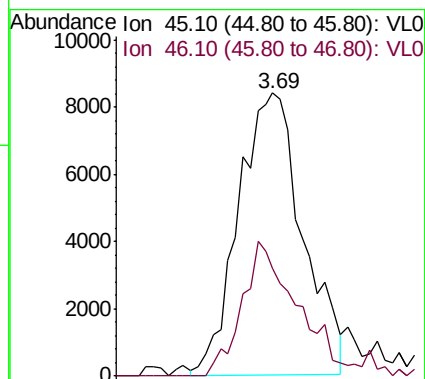
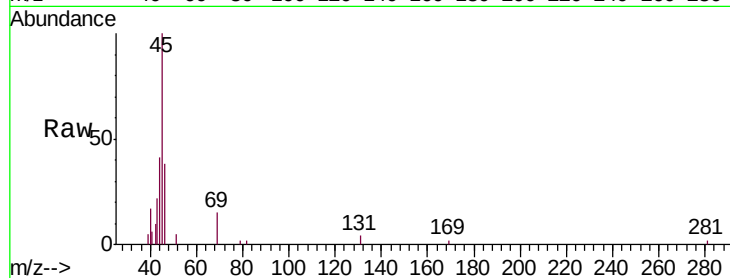
SV-1DL

Tgt Ion: 45 Resp: 16229

Ion Ratio Lower Upper

45 100

46 43.0 14.2 56.8



#15

Acetone

Concen: 13.134 ppbv

RT: 3.92 min Scan# 305

Delta R.T. -0.02 min

Lab File: VL032607.D

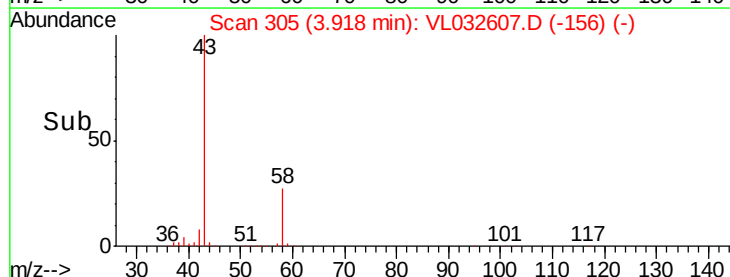
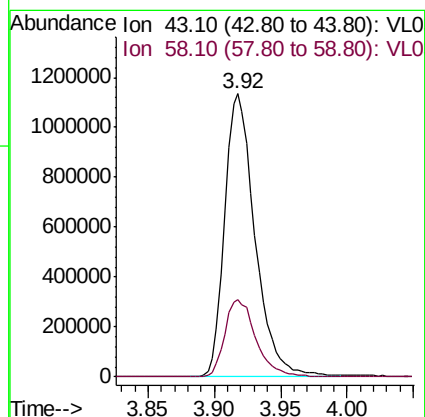
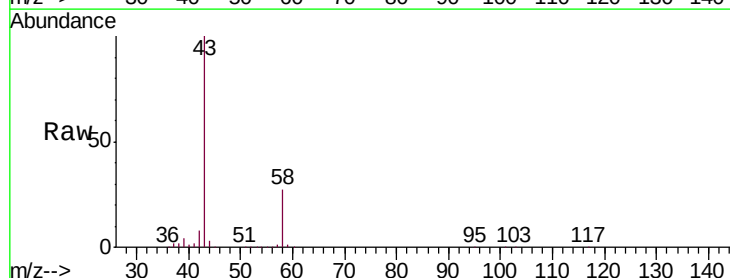
Acq: 11 Oct 2018 16:43

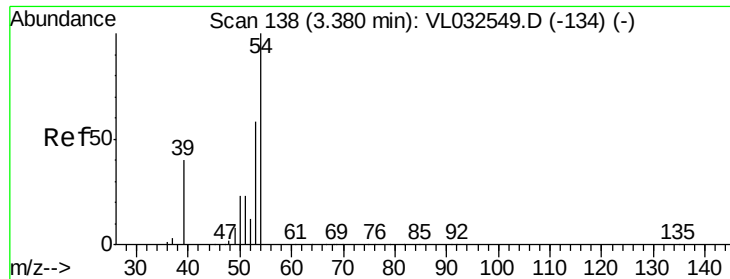
Tgt Ion: 43 Resp: 1803482

Ion Ratio Lower Upper

43 100

58 28.2 22.6 33.8

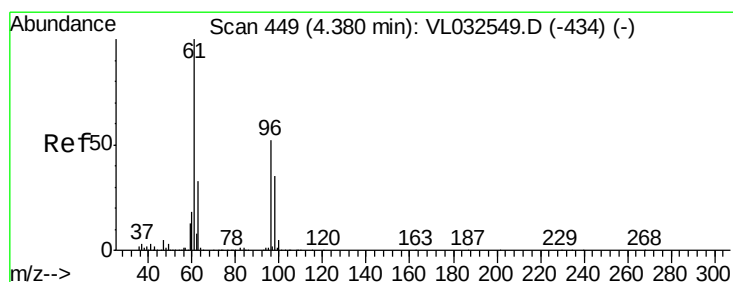
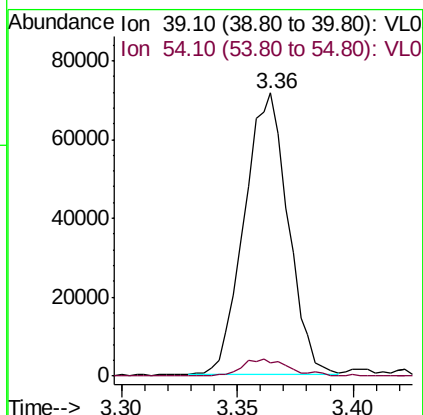
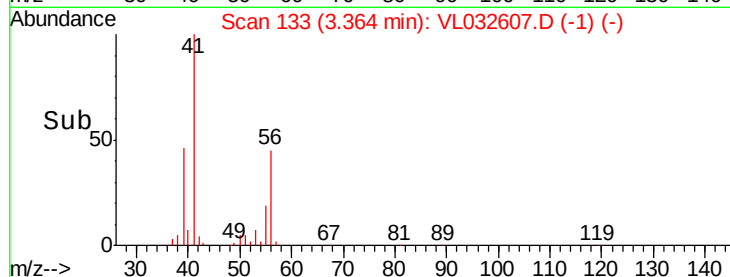
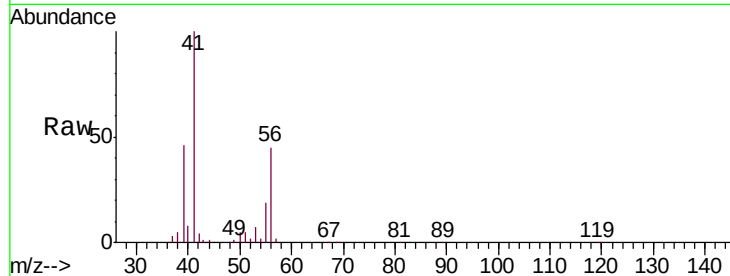




#16
 1,3-Butadiene
 Concen: 1.689 ppbv
 RT: 3.36 min Scan# 133
 Delta R.T. -0.03 min
 Lab File: VL032607.D
 Acq: 11 Oct 2018 16:43

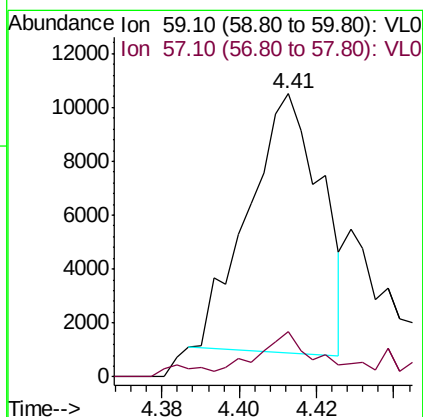
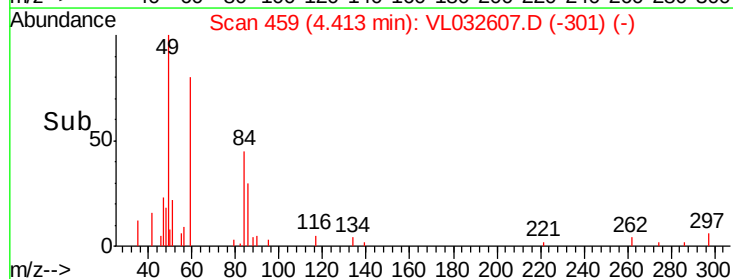
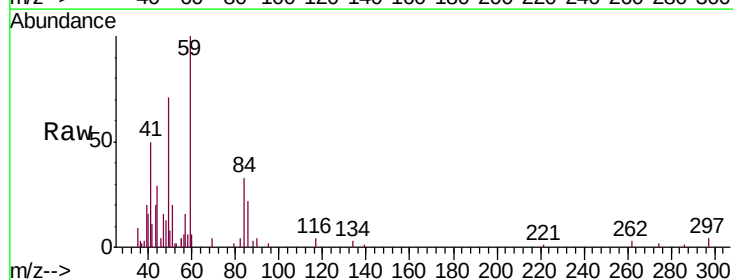
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

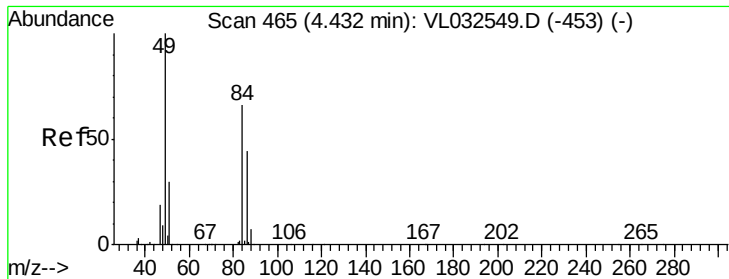
Tgt Ion: 39 Resp: 94045
 Ion Ratio Lower Upper
 39 100
 54 6.6 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 0.728 ppbv
 RT: 4.41 min Scan# 459
 Delta R.T. 0.01 min
 Lab File: VL032607.D
 Acq: 11 Oct 2018 16:43

Tgt Ion: 59 Resp: 12564
 Ion Ratio Lower Upper
 59 100
 57 16.3 0.0 0.0#

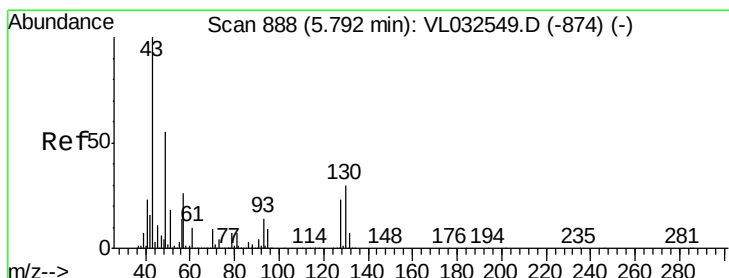
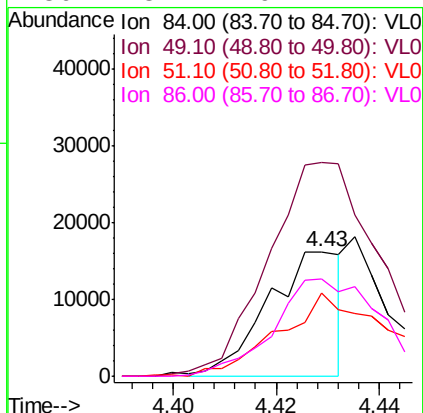
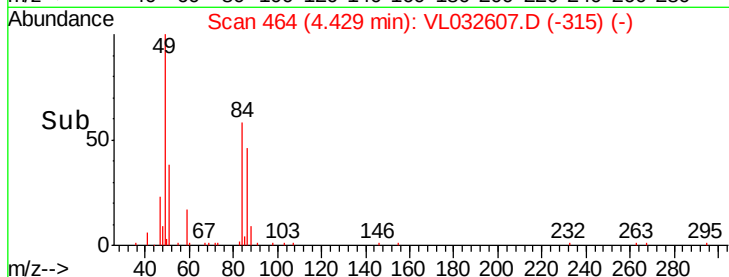
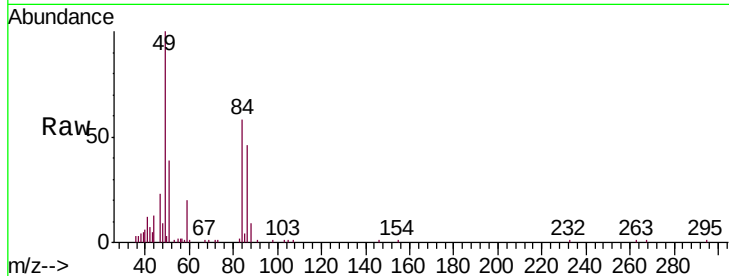




#20
Methylene Chloride
Concen: 0.241 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

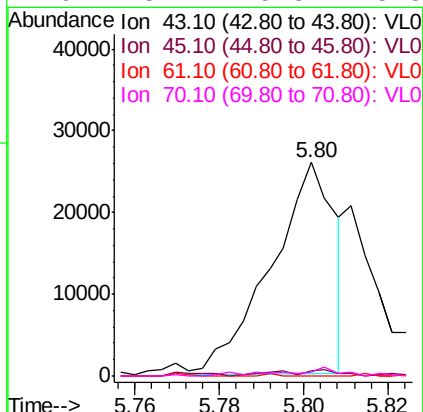
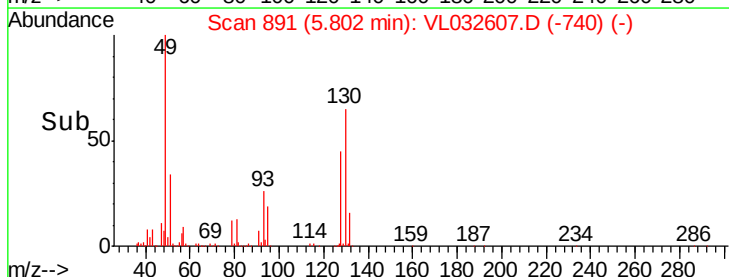
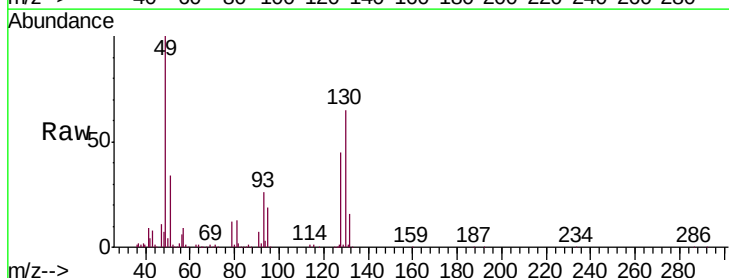
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

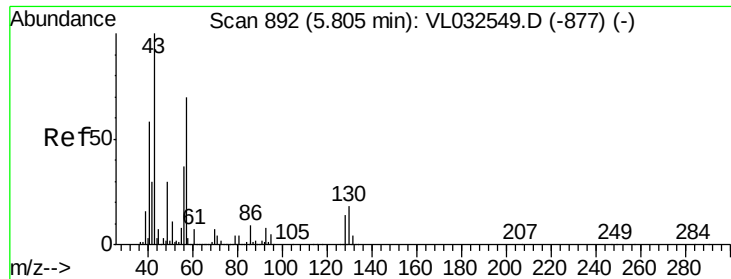
Tgt Ion: 84 Resp: 16053
Ion Ratio Lower Upper
84 100
49 171.6 119.1 178.7
51 68.2 35.2 52.8#
86 78.4 49.4 74.2#



#25
Ethyl Acetate
Concen: 0.082 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

Tgt Ion: 43 Resp: 27205
Ion Ratio Lower Upper
43 100
45 4.2 8.0 12.0#
61 0.0 7.6 11.4#
70 3.7 5.8 8.8#

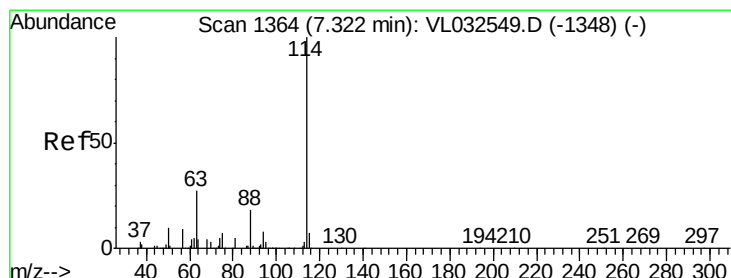
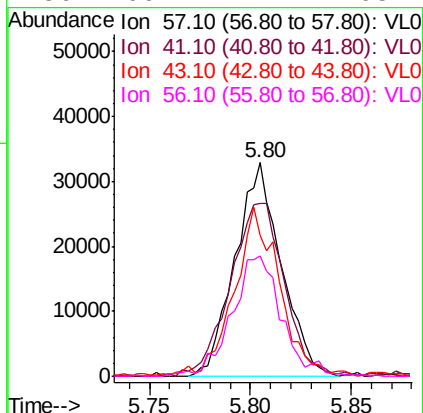
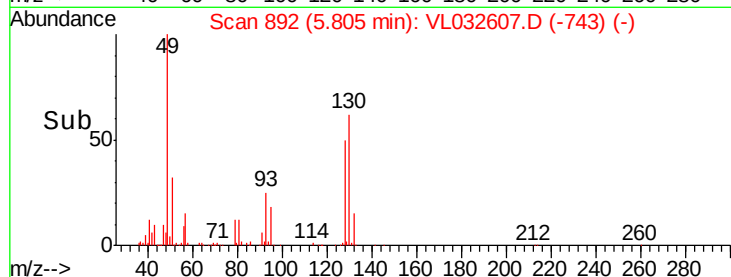
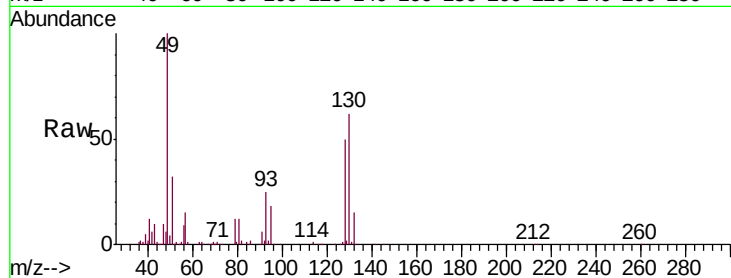




#26
Hexane
Concen: 0.350 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

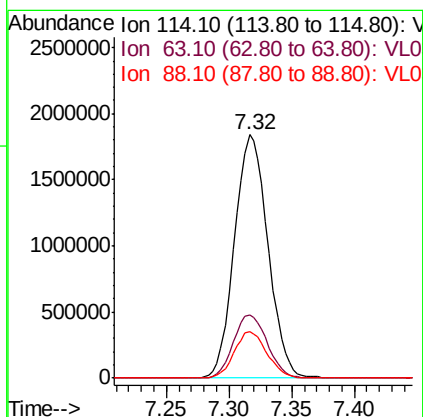
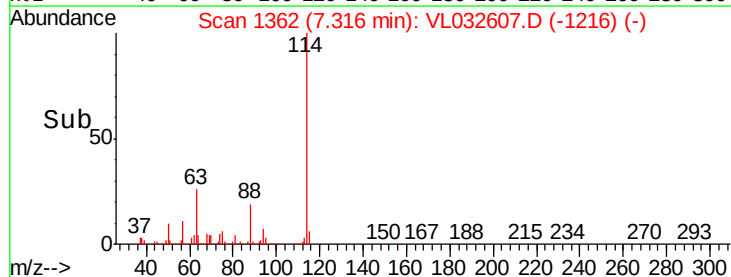
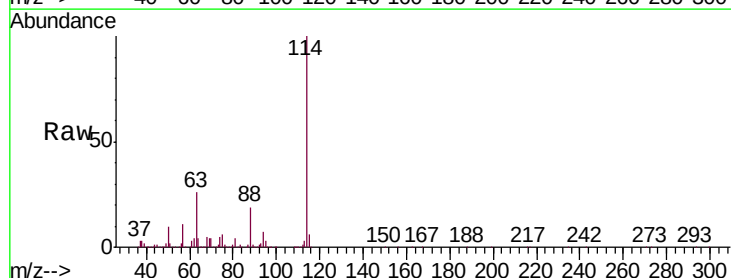
Instrument :
MSVOA_L
ClientSampleID :
SV-1DL

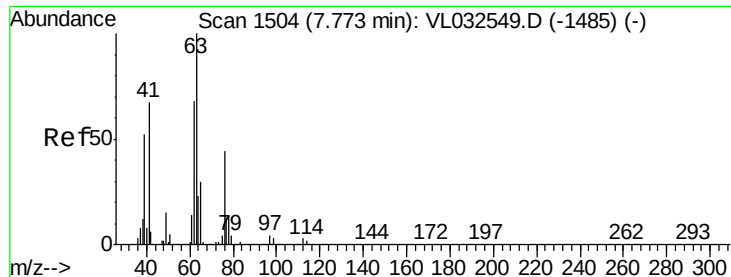
Tgt Ion: 57 Resp: 52621
Ion Ratio Lower Upper
57 100
41 95.3 69.0 103.4
43 78.9 172.1 258.1#
56 60.7 42.2 63.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

Tgt Ion: 114 Resp: 3419286
Ion Ratio Lower Upper
114 100
63 26.5 22.2 33.4
88 18.7 15.0 22.4

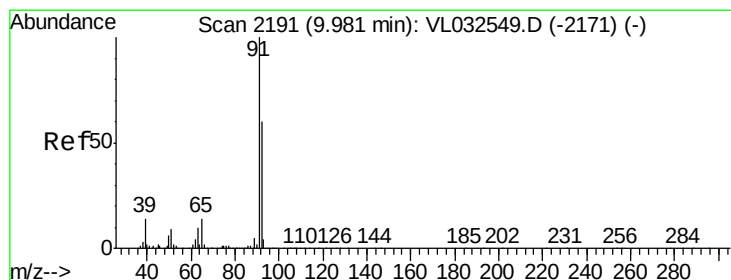
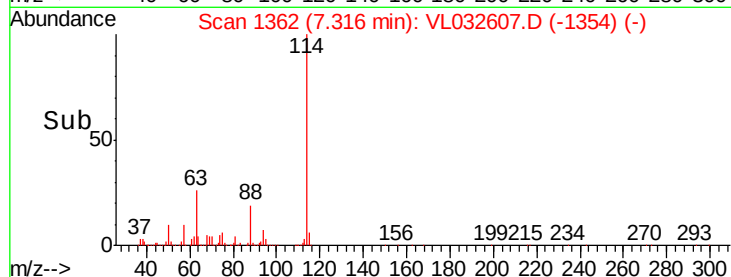
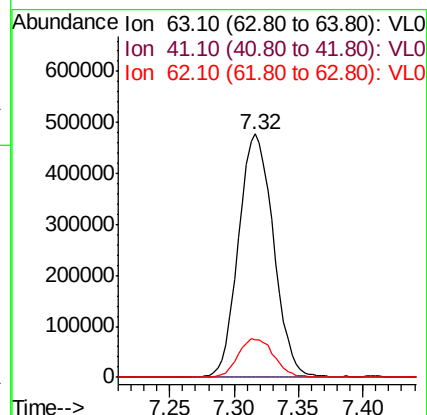
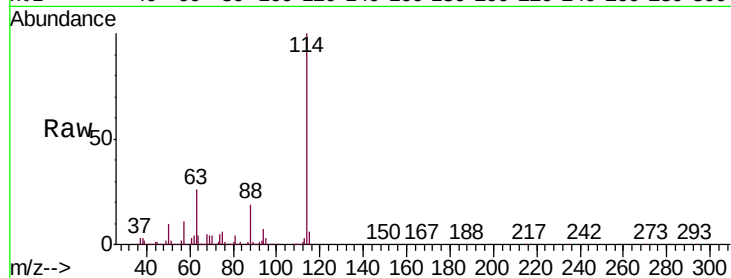




#39
 1,2-Dichloropropane
 Concen: 7.239 ppbv
 RT: 7.32 min Scan# 1362
 Delta R.T. -0.47 min
 Lab File: VL032607.D
 Acq: 11 Oct 2018 16:43

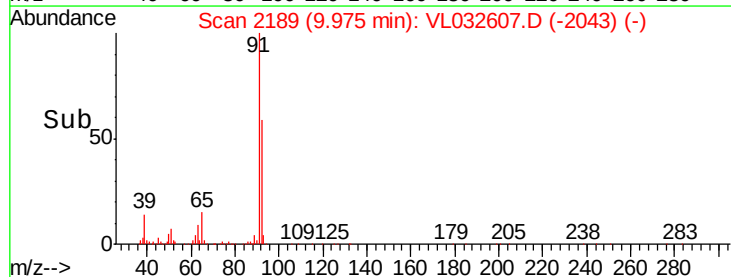
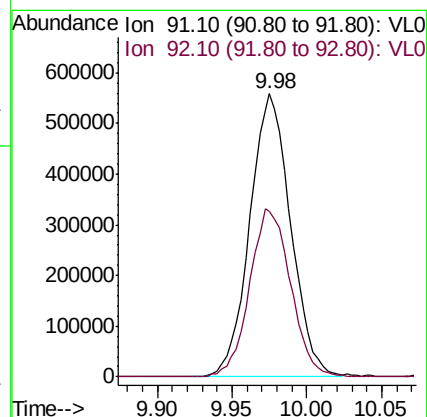
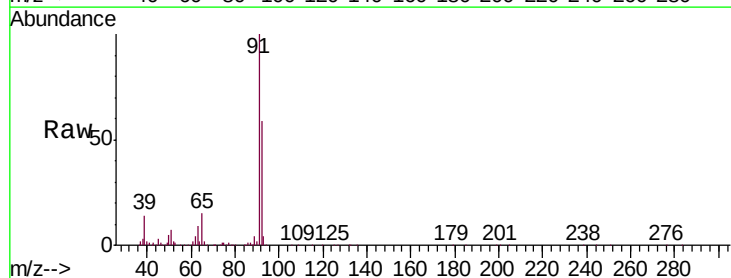
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

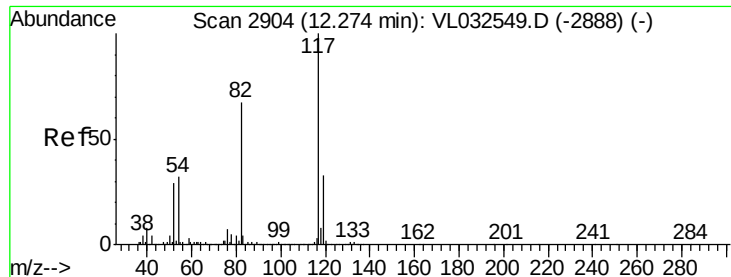
Tgt Ion: 63 Resp: 901477
 Ion Ratio Lower Upper
 63 100
 41 0.1 55.4 83.0#
 62 15.6 55.4 83.0#



#53
 Toluene
 Concen: 3.147 ppbv
 RT: 9.98 min Scan# 2189
 Delta R.T. -0.03 min
 Lab File: VL032607.D
 Acq: 11 Oct 2018 16:43

Tgt Ion: 91 Resp: 1059643
 Ion Ratio Lower Upper
 91 100
 92 59.8 48.1 72.1

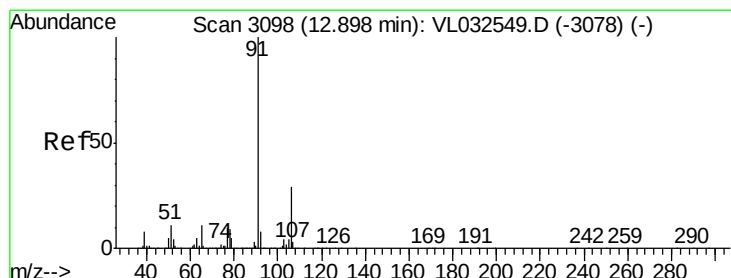
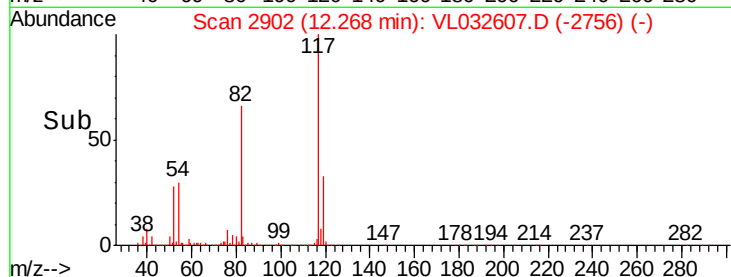
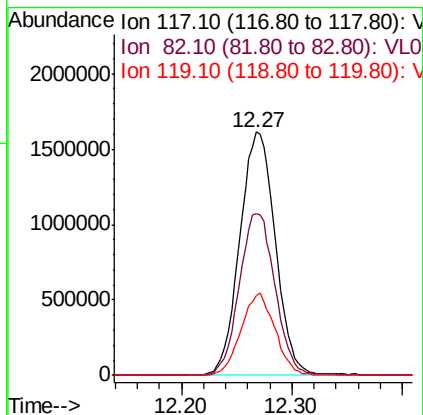
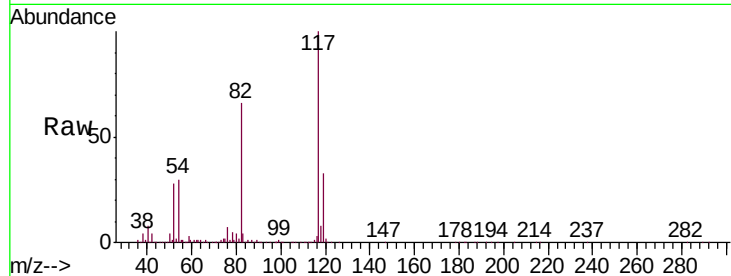




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

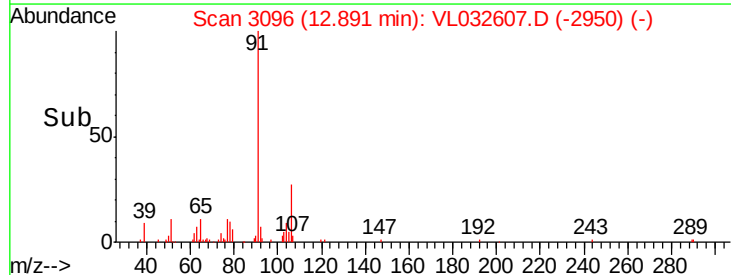
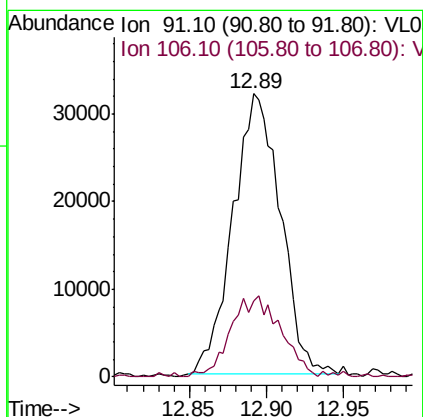
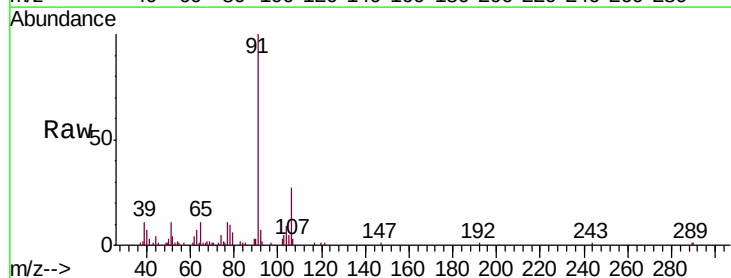
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

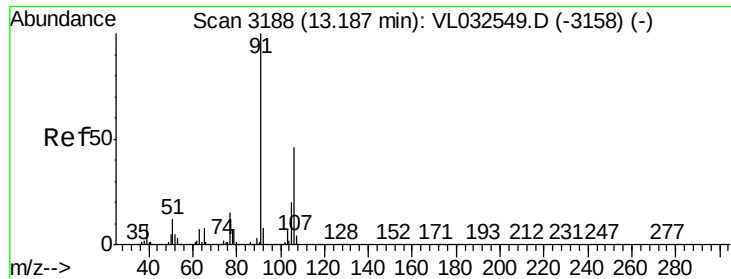
Tgt Ion:117 Resp: 3607720
Ion Ratio Lower Upper
117 100
82 67.2 53.0 79.6
119 32.3 45.9 68.9#



#58
Ethyl Benzene
Concen: 0.156 ppbv
RT: 12.89 min Scan# 3096
Delta R.T. -0.03 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

Tgt Ion: 91 Resp: 68246
Ion Ratio Lower Upper
91 100
106 27.3 24.8 37.2

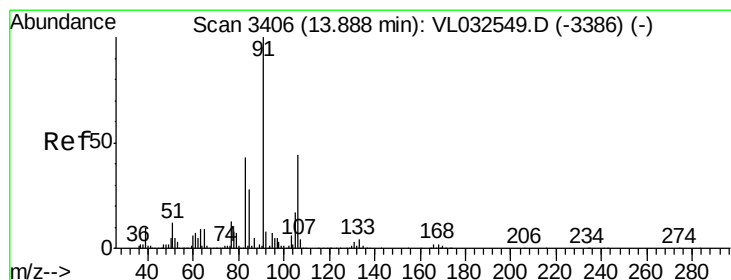
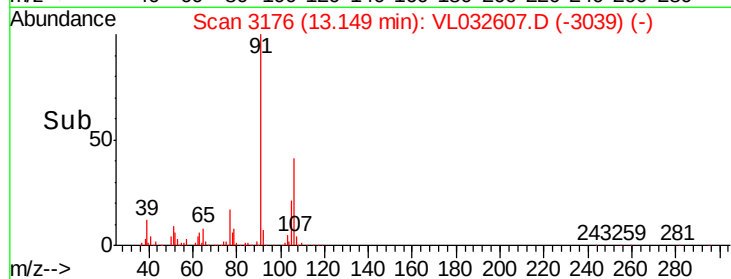
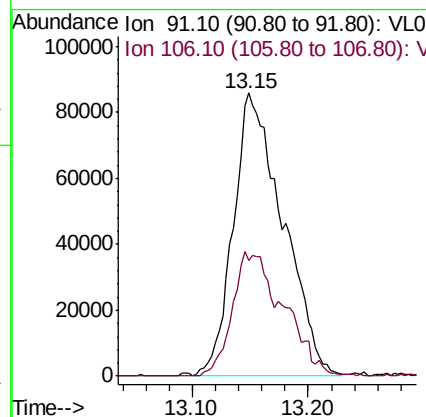
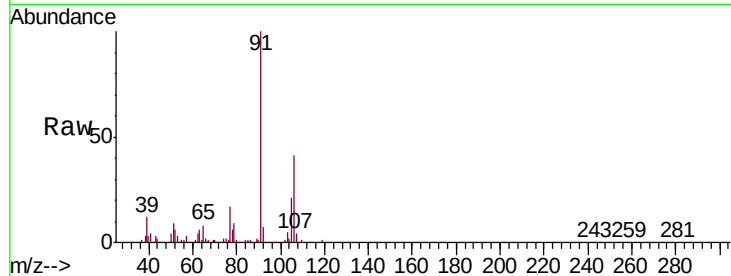




#59
m/p-Xylene
Concen: 0.649 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.06 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

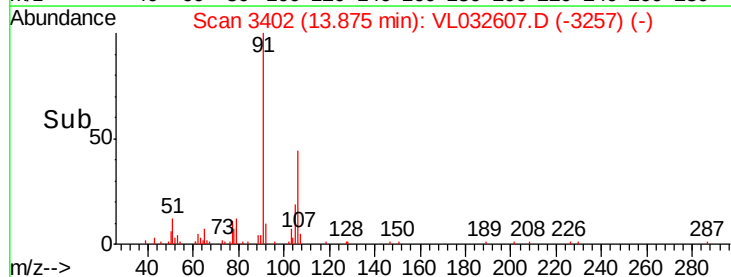
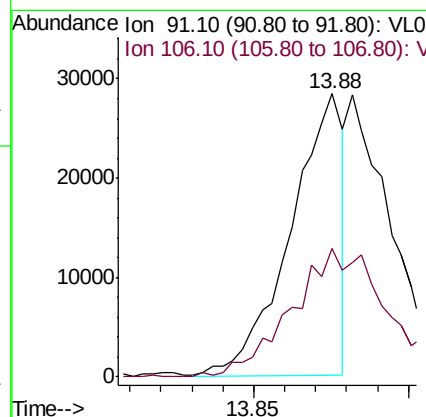
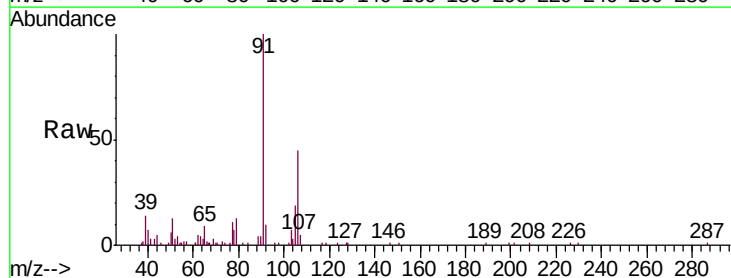
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

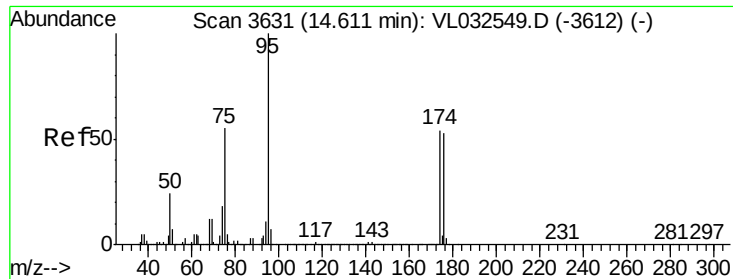
Tgt Ion: 91 Resp: 252826
Ion Ratio Lower Upper
91 100
106 45.5 36.6 55.0



#60
o-Xylene
Concen: 0.088 ppbv
RT: 13.88 min Scan# 3402
Delta R.T. -0.03 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

Tgt Ion: 91 Resp: 33303
Ion Ratio Lower Upper
91 100
106 83.0 21.9 65.7#

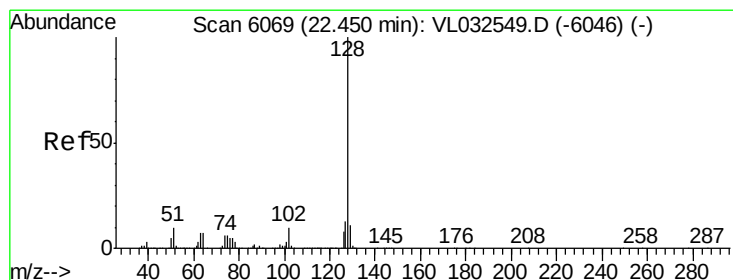
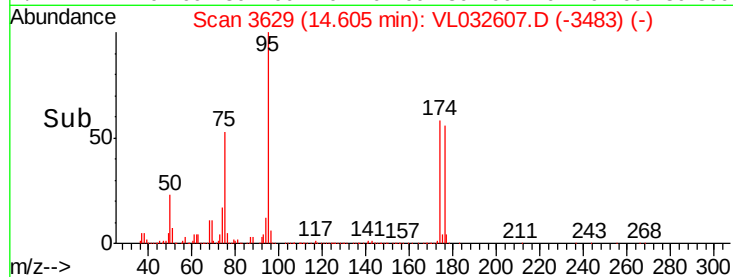
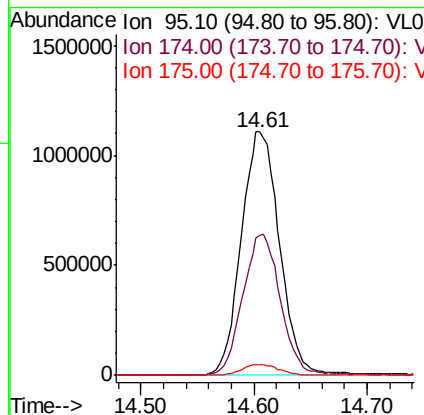
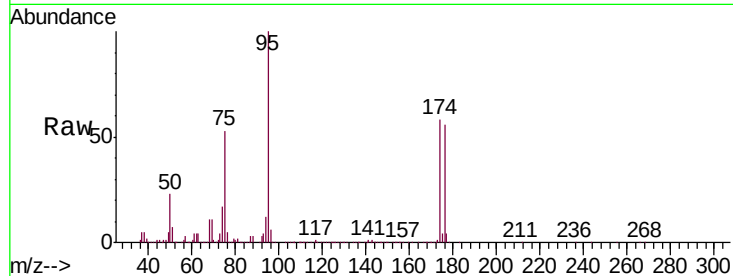




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.569 ppbv
 RT: 14.61 min Scan# 3629
 Delta R.T. -0.03 min
 Lab File: VL032607.D
 Acq: 11 Oct 2018 16:43

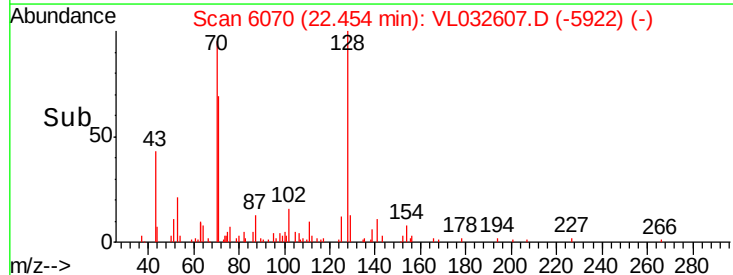
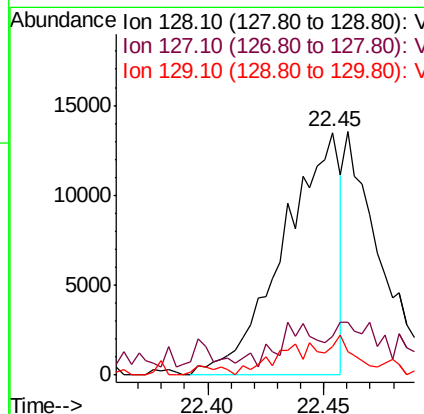
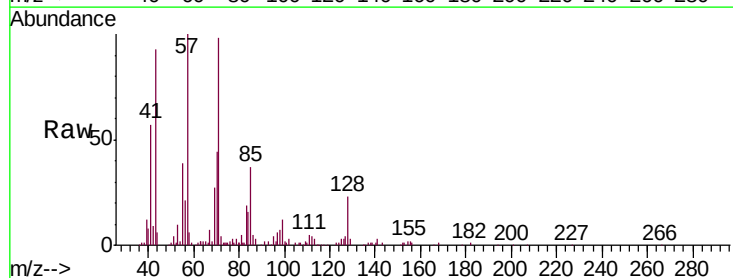
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

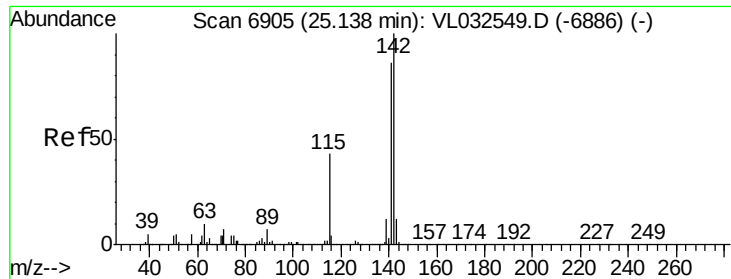
Tgt Ion: 95 Resp: 2603260
 Ion Ratio Lower Upper
 95 100
 174 57.9 46.3 69.5
 175 4.3 3.4 5.0



#79
 Naphthalene
 Concen: 0.073 ppbv
 RT: 22.45 min Scan# 6070
 Delta R.T. -0.02 min
 Lab File: VL032607.D
 Acq: 11 Oct 2018 16:43

Tgt Ion: 128 Resp: 22664
 Ion Ratio Lower Upper
 128 100
 127 10.2 10.2 15.2
 129 10.8 8.5 12.7





#80
 Naphthalene, 2-methyl-
 Concen: 0.038 ppbv
 RT: 25.13 min Scan# 6902
 Delta R.T. -0.02 min
 Lab File: VL032607.D
 Acq: 11 Oct 2018 16:43

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	150.5	67.0	100.6#
115	73.2	31.3	46.9#

