

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032782.D
 Acq On : 20 Nov 2018 17:26
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 21 04:06:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1403619	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3514093	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3155994	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2341790	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

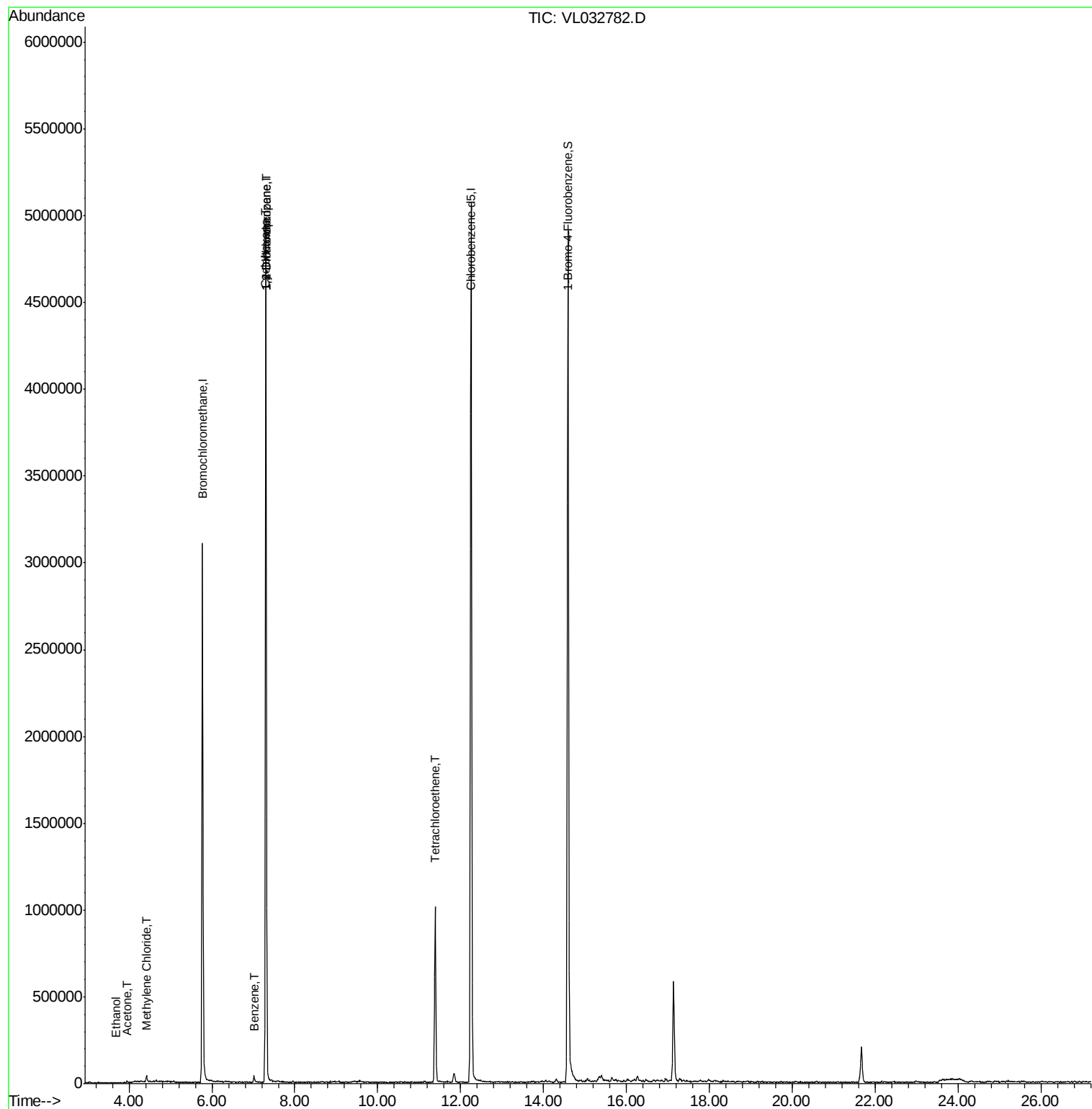
Target Compounds					Ovalue
13) Ethanol	3.68	45	488	0.033 ppbv	95
15) Acetone	3.95	43	7103	0.055 ppbv #	64
20) Methylene Chloride	4.42	84	10149	0.153 ppbv #	72
30) Cyclohexane	7.28	84	5651	0.049 ppbv #	1
36) Benzene	7.01	78	25806	0.092 ppbv	97
39) 1,2-Dichloropropane	7.30	63	847925	7.953 ppbv #	23
52) Tetrachloroethene	11.38	164	233490	2.399 ppbv	95

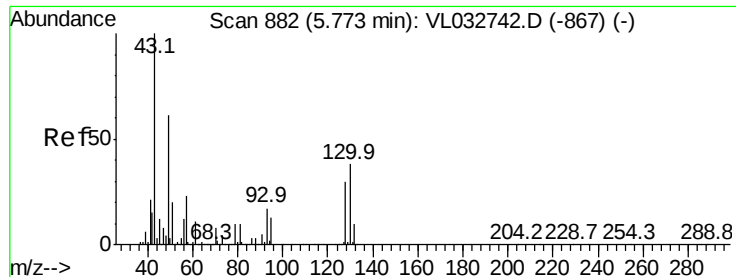
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032782.D

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Instrument :
MSVOA_L
ClientSampleId :

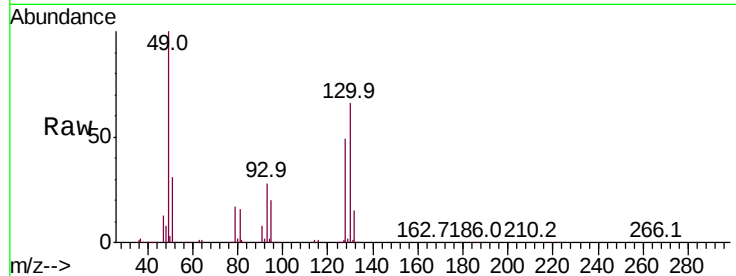
Tot Ion: 49 Resp: 1403619

Ion Ratio Lower Upper

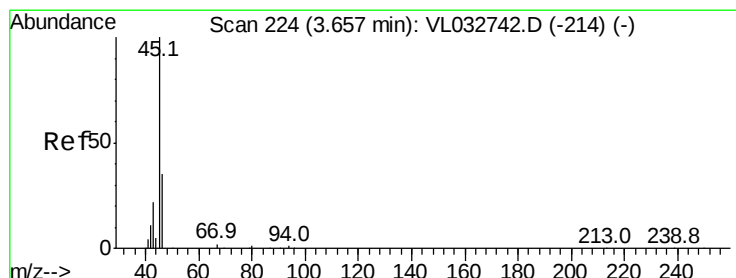
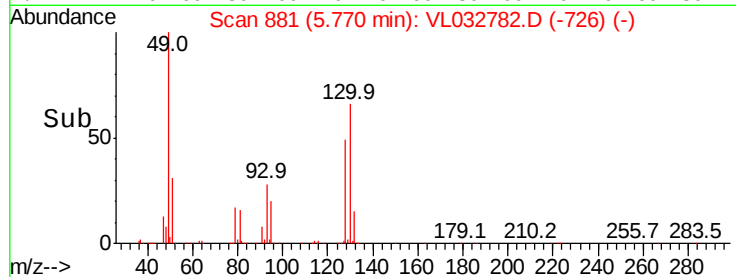
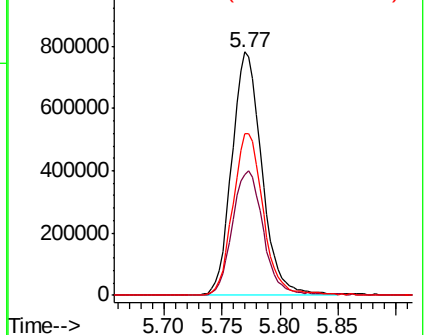
49 100

128 53.0 24.9 74.6

130 67.9 31.4 94.2



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.033 ppbv

RT: 3.68 min Scan# 232

Delta R.T. 0.03 min

Lab File: VL032782.D

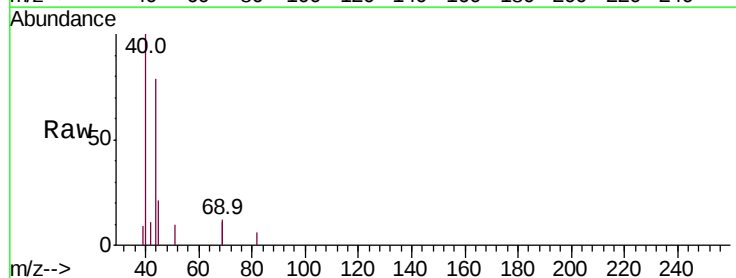
Acq: 20 Nov 2018 17:26

Tgt Ion: 45 Resp: 488

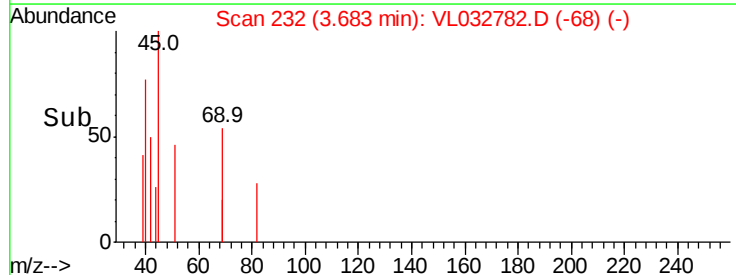
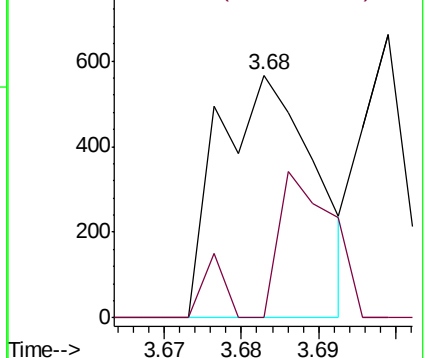
Ion Ratio Lower Upper

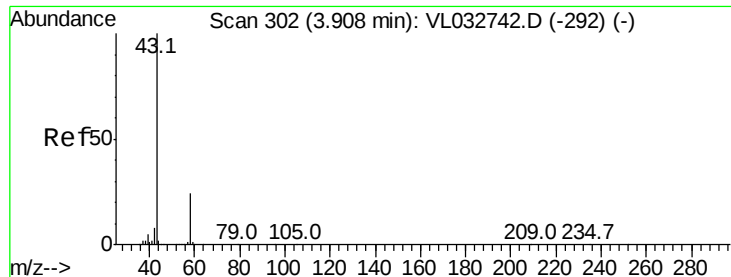
45 100

46 39.3 14.5 57.9



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0

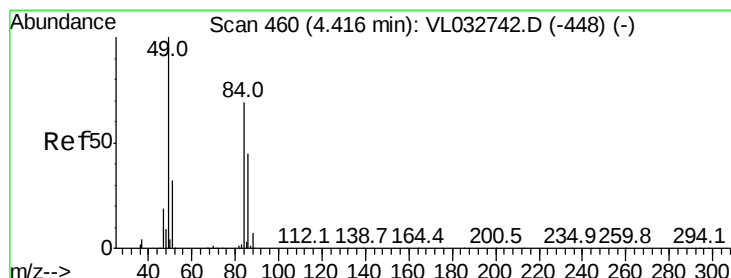
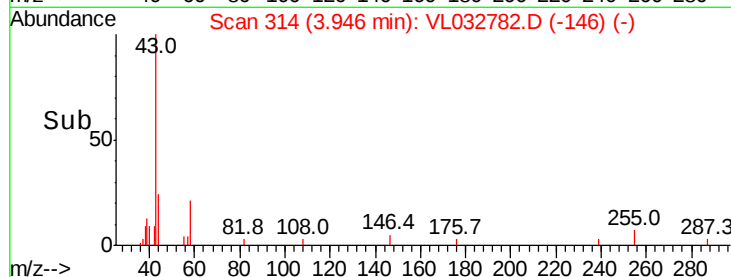
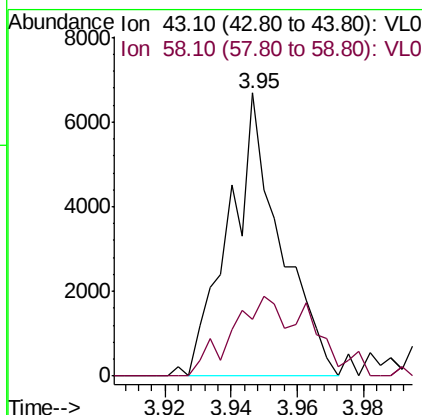
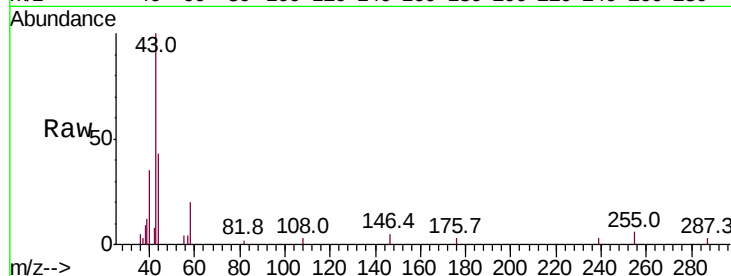




#15
Acetone
Concen: 0.055 ppbv
RT: 3.95 min Scan# 314
Delta R.T. 0.04 min
Lab File: VL032782.D
Acq: 20 Nov 2018 17:26

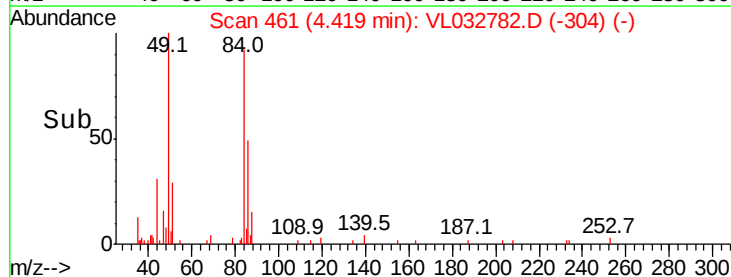
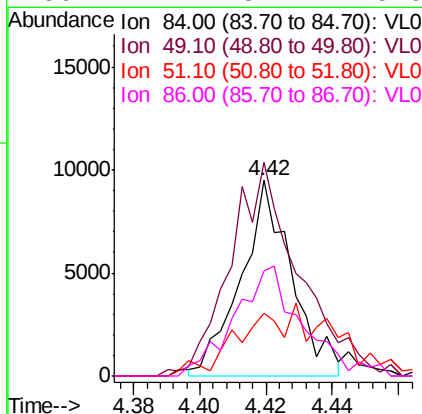
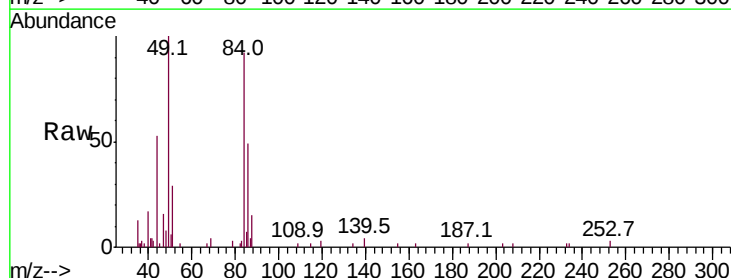
Instrument :
MSVOA_L
ClientSampleId :

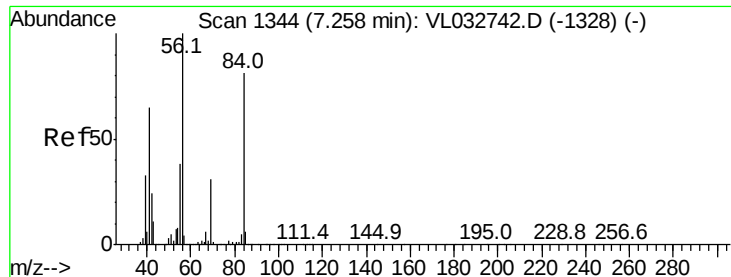
Tot Ion: 43 Resp: 7103
Ion Ratio Lower Upper
43 100
58 45.1 21.1 31.7#



#20
Methylene Chloride
Concen: 0.153 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032782.D
Acq: 20 Nov 2018 17:26

Tgt Ion: 84 Resp: 10149
Ion Ratio Lower Upper
84 100
49 107.9 115.8 173.6#
51 24.8 36.9 55.3#
86 47.7 52.4 78.6#

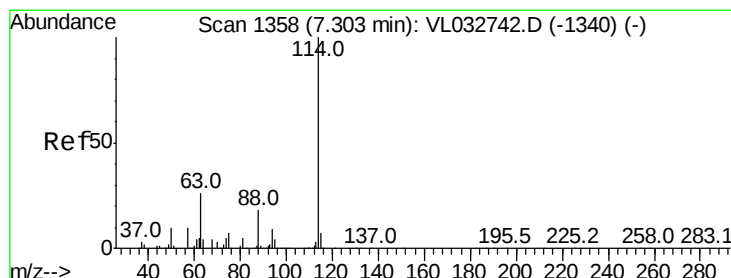
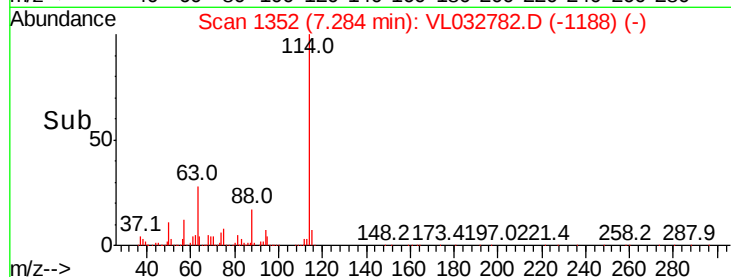
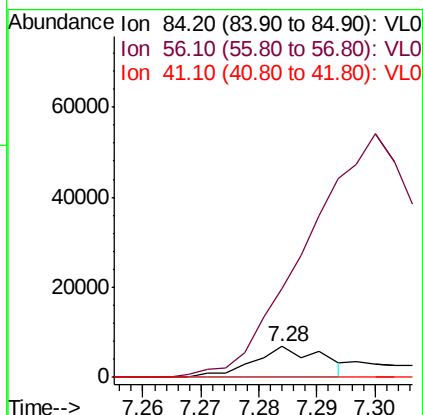
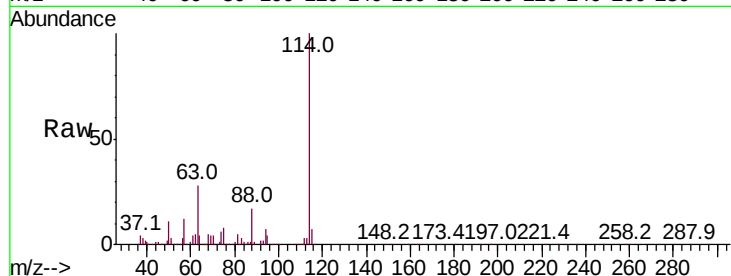




#30
Cvclohexane
Concen: 0.049 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. 0.03 min
Lab File: VL032782.D
Acq: 20 Nov 2018 17:26

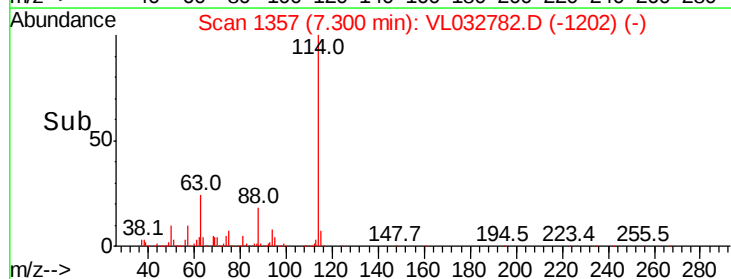
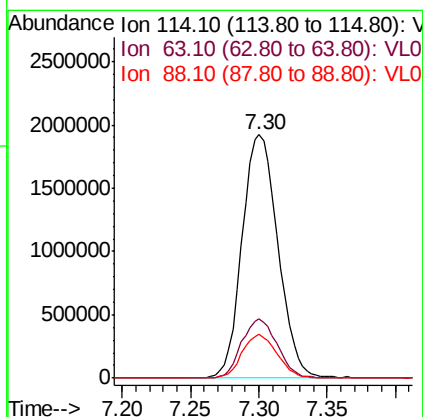
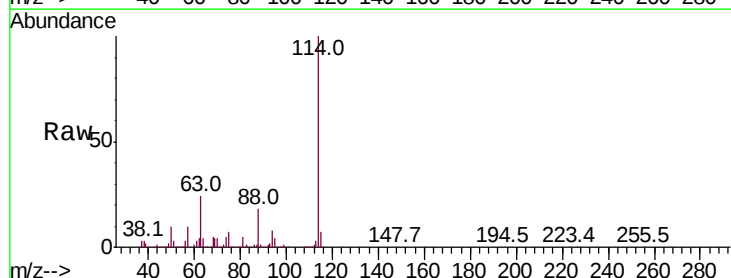
Instrument :
MSVOA_L
ClientSampleId :

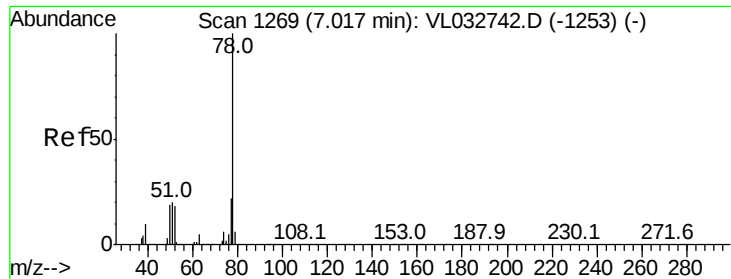
Tot Ion: 84 Resp: 5651
Ion Ratio Lower Upper
84 100
56 0.0 105.0 157.4#
41 1.4 65.3 97.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032782.D
Acq: 20 Nov 2018 17:26

Tgt Ion: 114 Resp: 3514093
Ion Ratio Lower Upper
114 100
63 24.3 20.9 31.3
88 17.5 14.4 21.6





#36

Benzene

Concen: 0.092 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

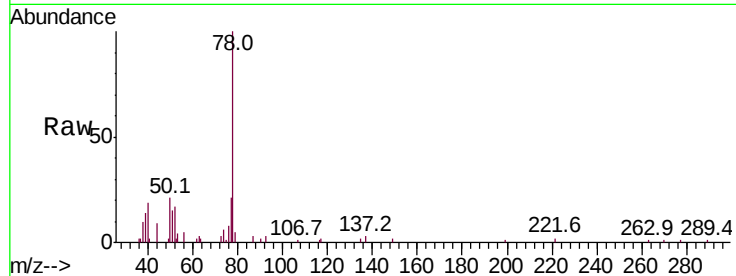
Lab File: VL032782.D

Acq: 20 Nov 2018 17:26

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 78 Resp: 25806

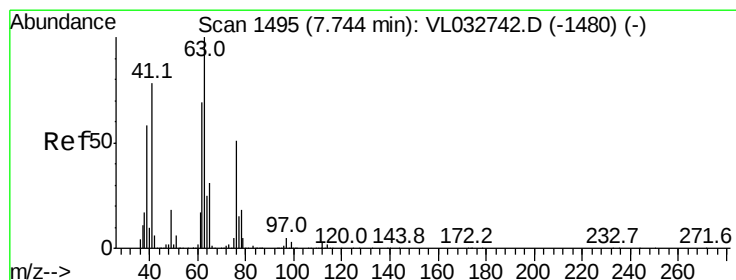
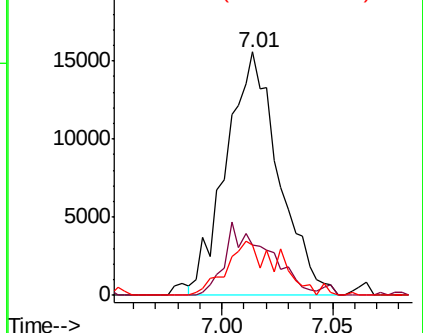
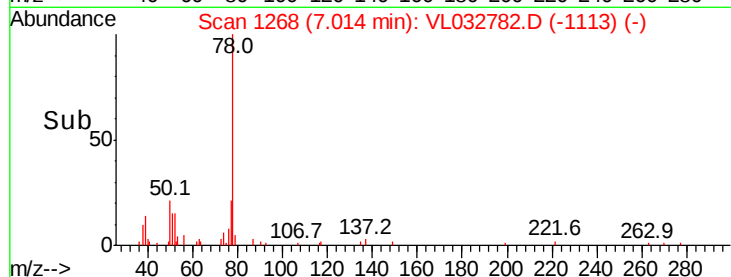
Ion	Ratio	Lower	Upper
78	100		
77	20.9	17.8	26.8
50	20.7	15.4	23.0



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.953 ppbv

RT: 7.30 min Scan# 1357

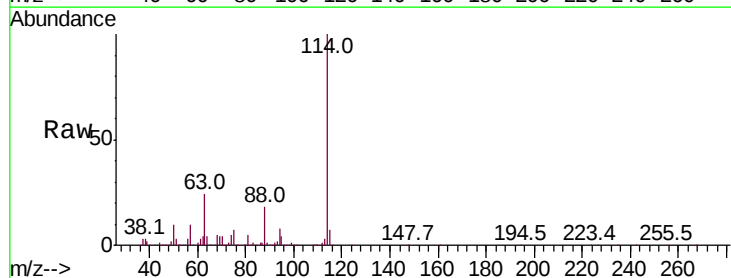
Delta R.T. -0.44 min

Lab File: VL032782.D

Acq: 20 Nov 2018 17:26

Tgt Ion: 63 Resp: 847925

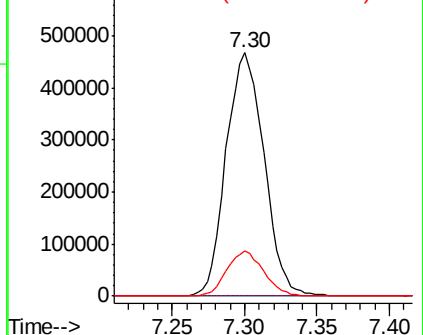
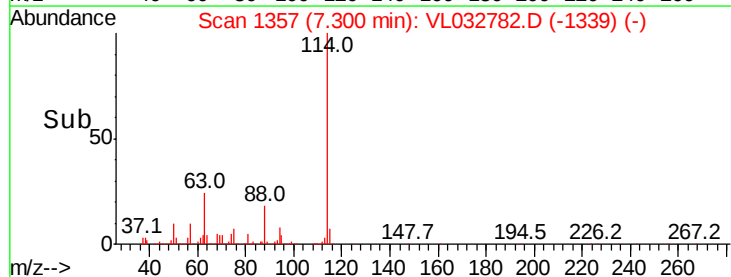
Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.0	93.0#
62	18.3	55.4	83.2#

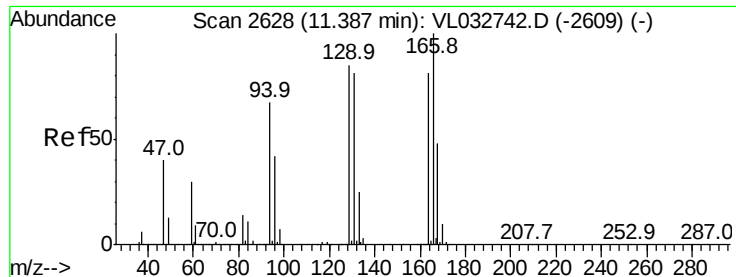


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 2.399 ppbv

RT: 11.38 min Scan# 2627

Delta R.T. -0.00 min

Lab File: VL032782.D

Acq: 20 Nov 2018 17:26

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 233490

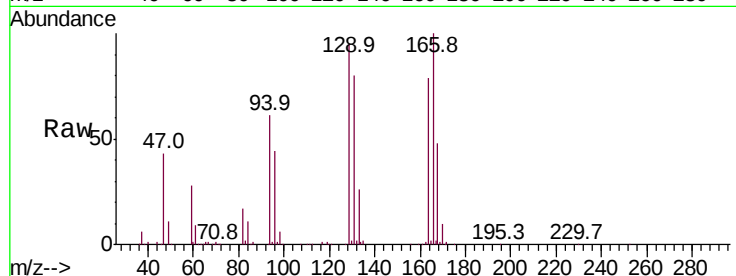
Ion Ratio Lower Upper

164 100

166 126.1 99.3 148.9

129 119.2 83.9 125.9

131 100.8 80.8 121.2

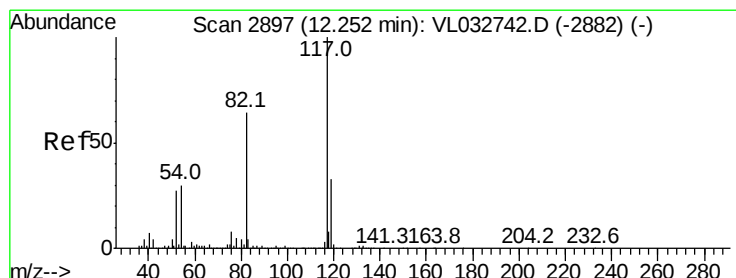
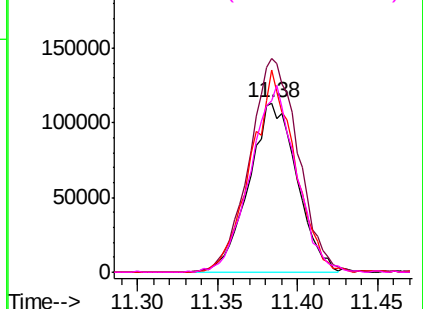
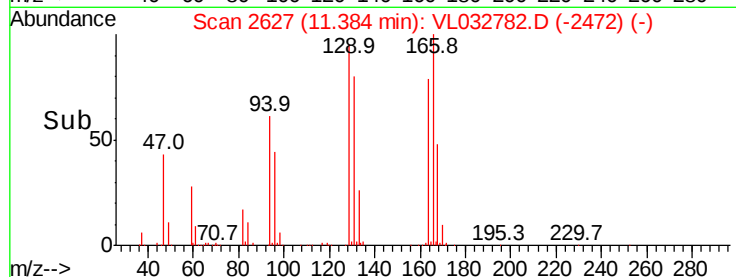


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL032782.D

Acq: 20 Nov 2018 17:26

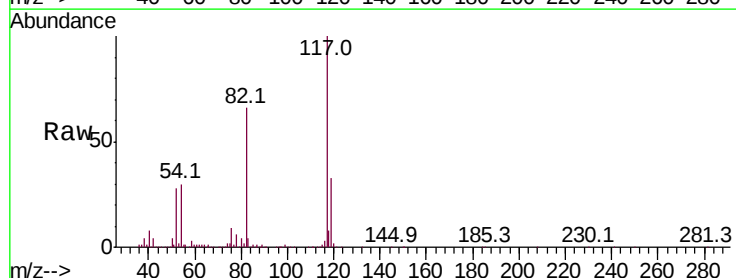
Tgt Ion:117 Resp: 3155994

Ion Ratio Lower Upper

117 100

82 64.4 51.0 76.6

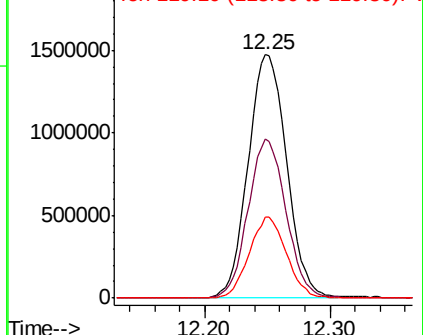
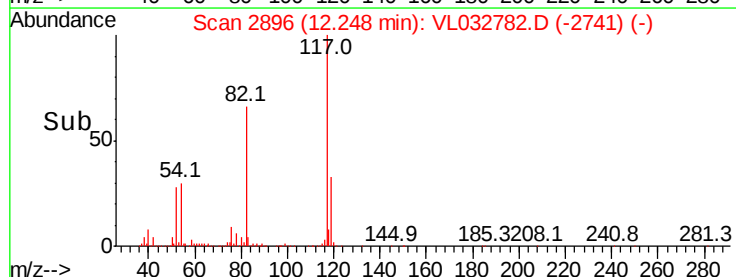
119 32.4 28.0 42.0

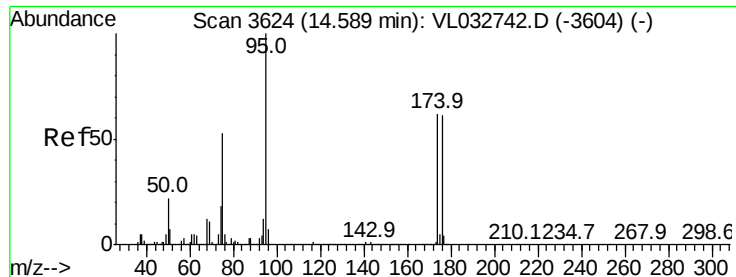


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.921 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL032782.D

Acq: 20 Nov 2018 17:26

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2341790

Ion Ratio Lower Upper

95 100

174 67.2 50.7 76.1

175 4.9 3.8 5.6

