

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011720\
 Data File : VX014650.D
 Acq On : 17 Jan 2020 13:25
 Operator : JC/SP
 Sample : L1178-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 18 05:07:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	453474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	697067	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	635463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	283905	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	254609	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	5.48	113	213182	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	8.71	98	837550	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.13	95	280697	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	

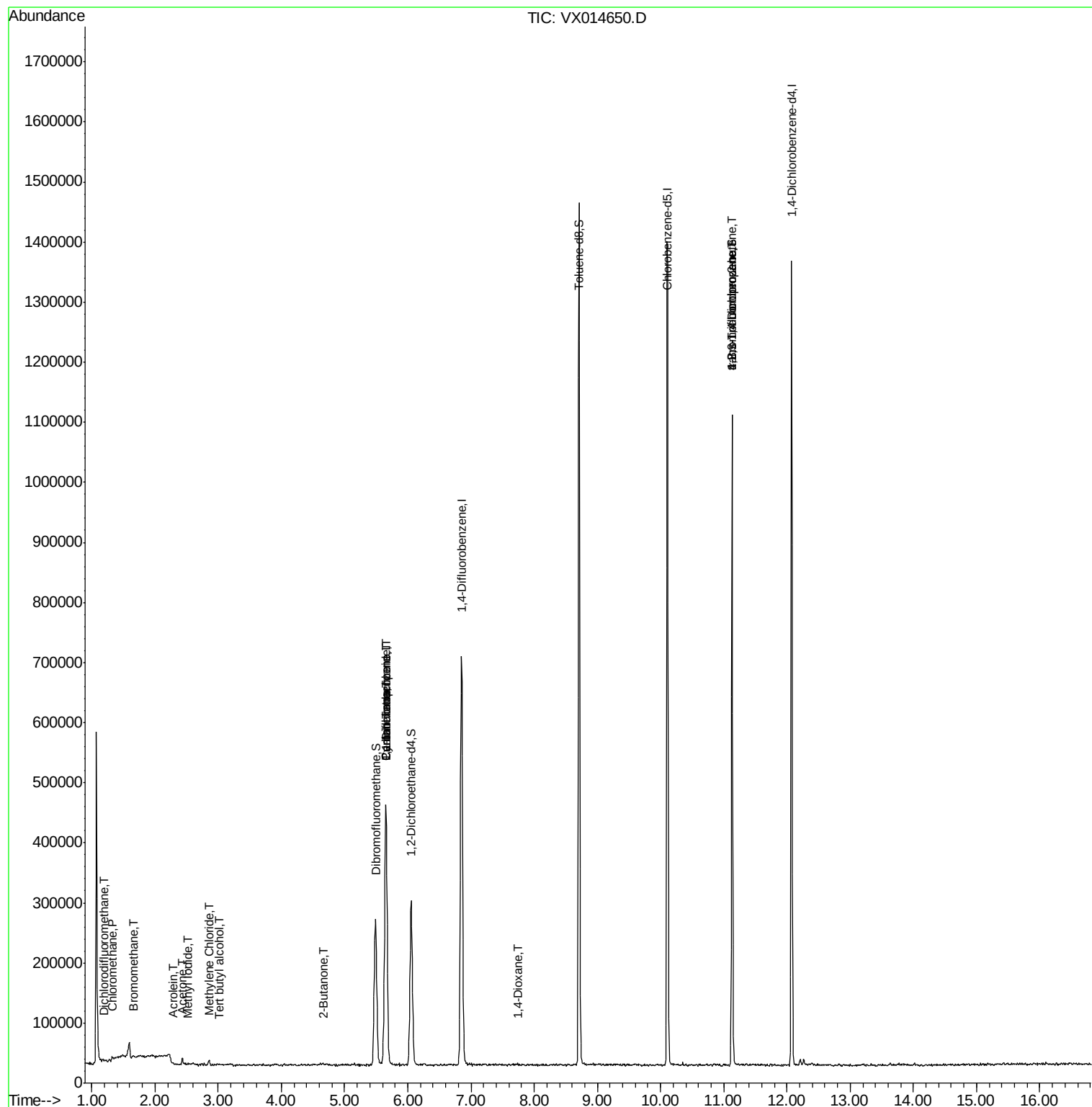
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	647	0.367	ug/l	92
3) Chloromethane	1.32	50	3948	0.683	ug/l	94
5) Bromomethane	1.65	94	2299	0.538	ug/l #	63
6) Chloroethane	1.72	64	595	Below Cal	#	74
10) Methyl Iodide	2.51	142	2270	0.426	ug/l #	93
11) Tert butyl alcohol	3.02	59	270	0.255	ug/l #	1
13) Acrolein	2.28	56	1138	1.343	ug/l #	62
16) Acetone	2.43	43	13716	1.246	ug/l	97
20) Methylene Chloride	2.84	84	4190	0.823	ug/l	88
25) 2-Butanone	4.67	43	1860	0.492	ug/l #	78
31) Cyclohexane	5.65	56	8676	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	31309	4.776	ug/l #	49
38) Carbon Tetrachloride	5.65	117	39252	6.507	ug/l #	18
49) 1,4-Dioxane	7.73	88	439	3.761	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	138861	23.640	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	138861	62.499	ug/l #	12
88) 1,4-Dichlorobenzene	12.02	146	721	Below Cal		96
96) 1,2,3-Trichlorobenzene	13.92	180	250	Below Cal		74

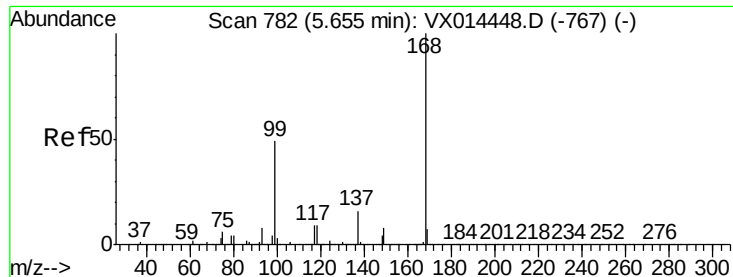
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011720\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

Instrument :

MSVOA_X

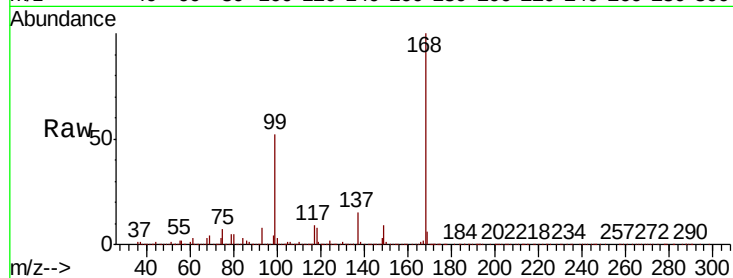
ClientSampleId :

Tot Ion:168 Resp: 453474

Ion Ratio Lower Upper

168 100

99 51.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

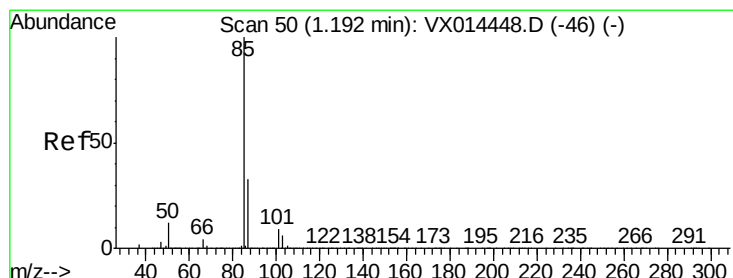
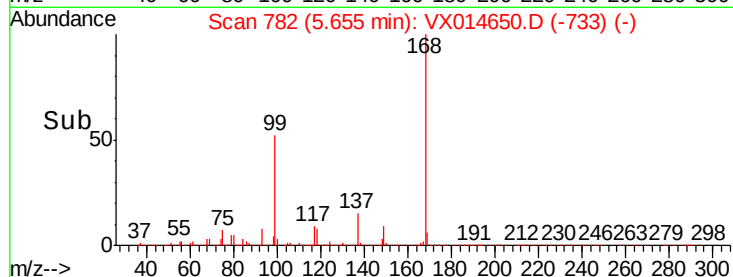
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.367 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014650.D

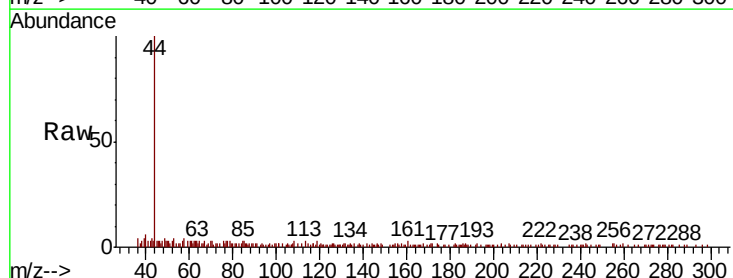
Acq: 17 Jan 2020 13:25

Tgt Ion: 85 Resp: 647

Ion Ratio Lower Upper

85 100

87 28.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

500

400

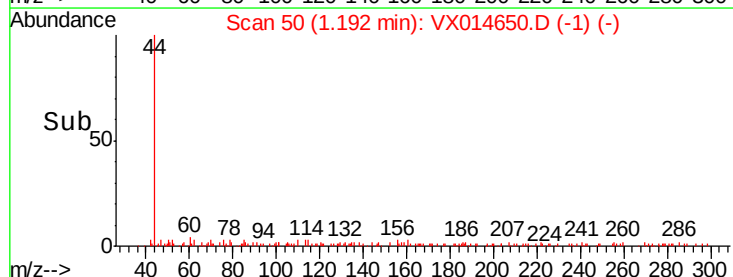
300

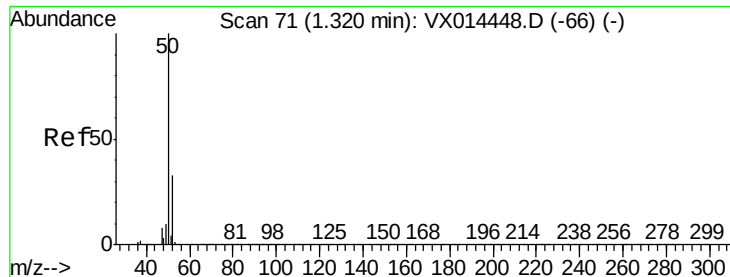
200

100

0

Time-->





#3

Chloromethane

Concen: 0.683 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

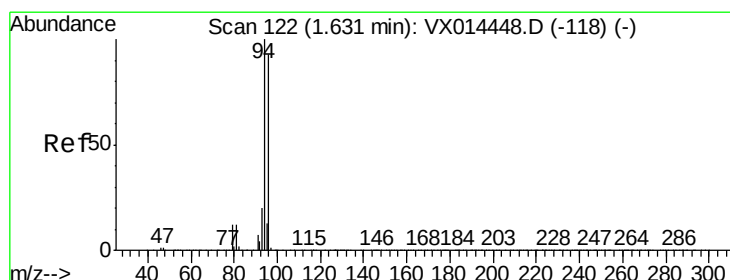
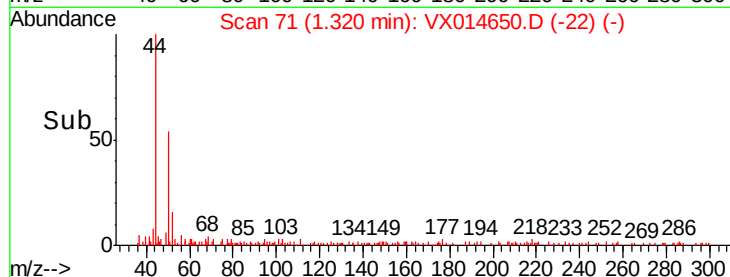
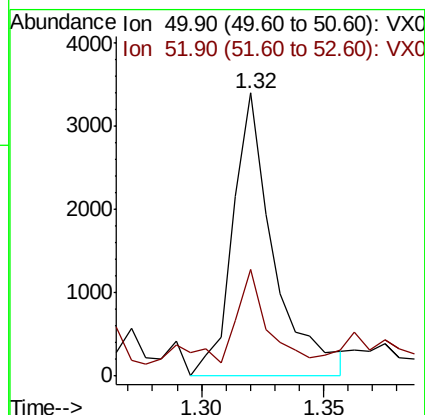
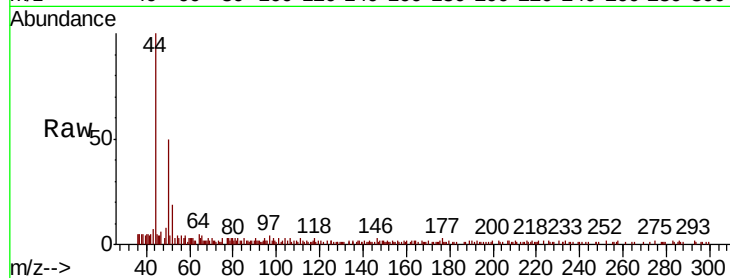
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 3948

Ion Ratio Lower Upper

50 100

52 29.3 26.1 39.1



#5

Bromomethane

Concen: 0.538 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014650.D

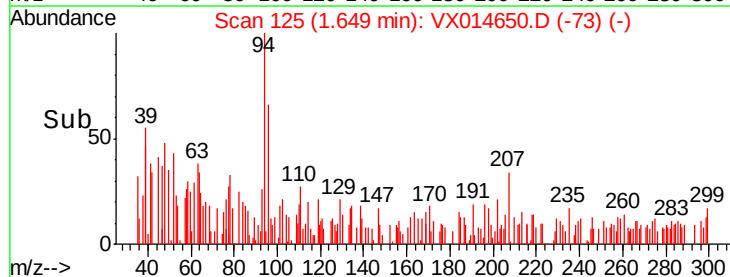
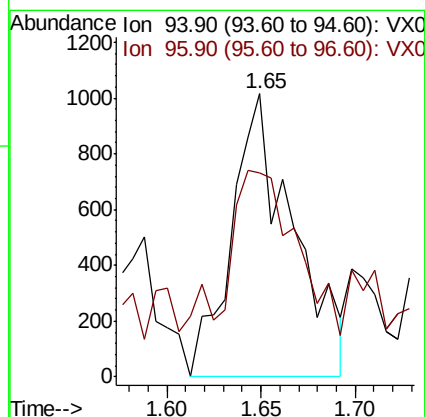
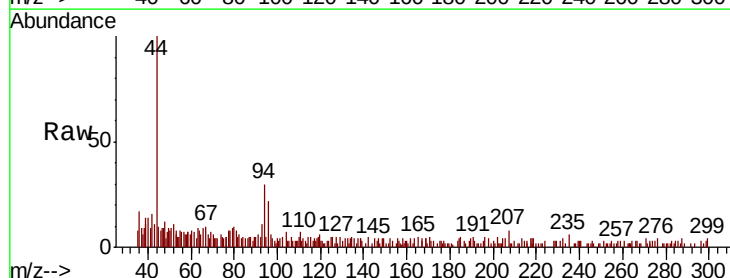
Acq: 17 Jan 2020 13:25

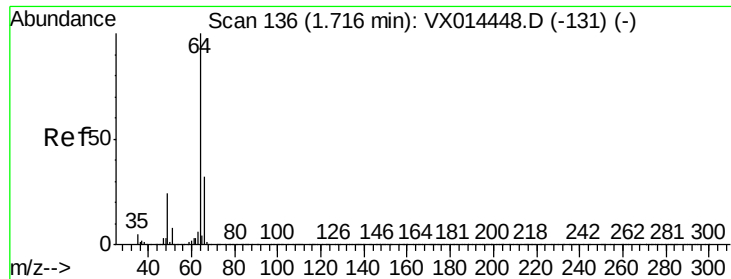
Tgt Ion: 94 Resp: 2299

Ion Ratio Lower Upper

94 100

96 57.1 74.2 111.2#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

Instrument :

MSVOA_X

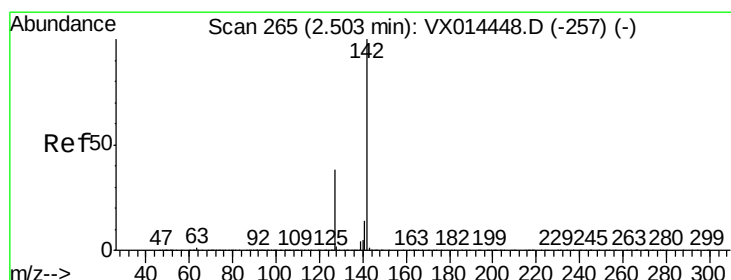
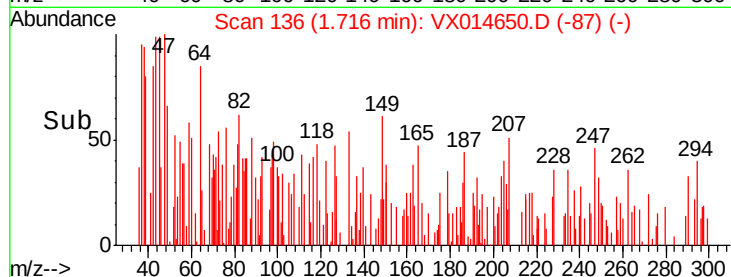
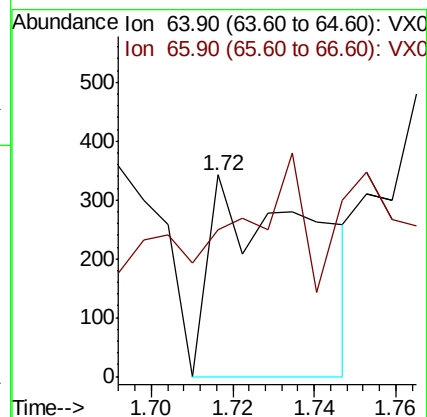
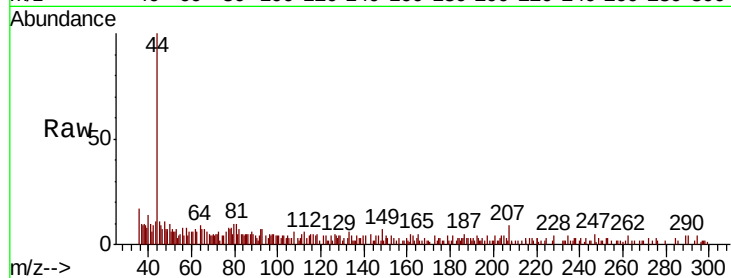
ClientSampled :

Tot Ion: 64 Resp: 595

Ion Ratio Lower Upper

64 100

66 17.0 25.3 37.9#



#10

Methyl Iodide

Concen: 0.426 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

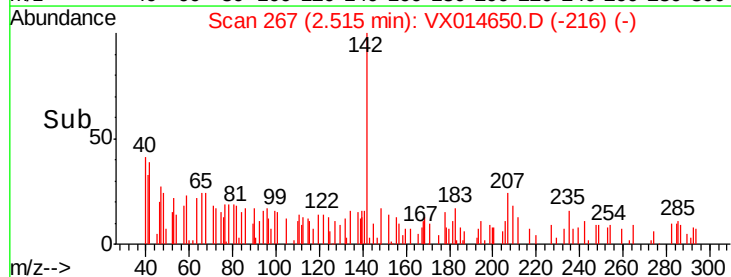
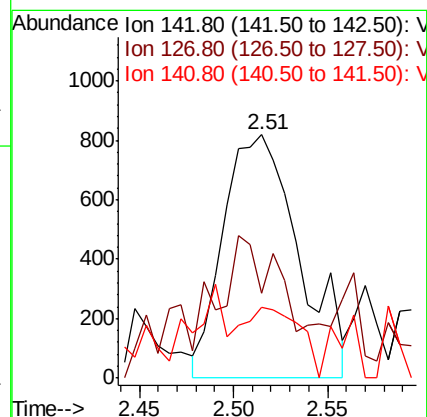
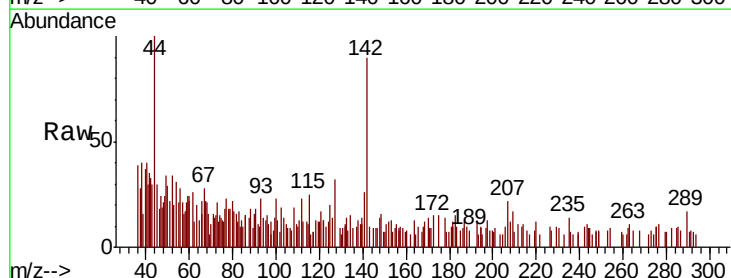
Tgt Ion: 142 Resp: 2270

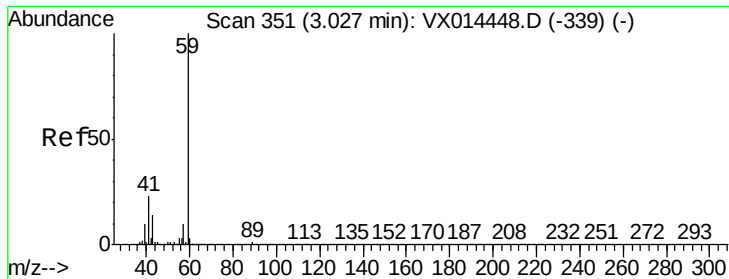
Ion Ratio Lower Upper

142 100

127 36.1 31.2 46.8

141 19.4 11.4 17.2#



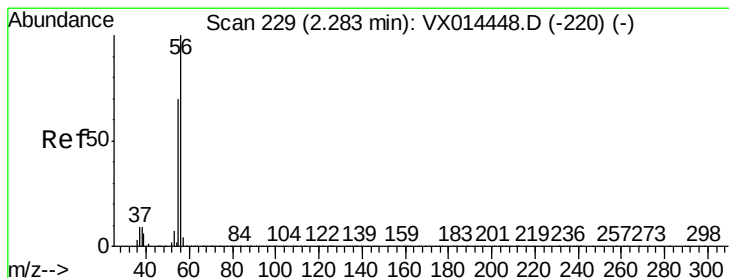
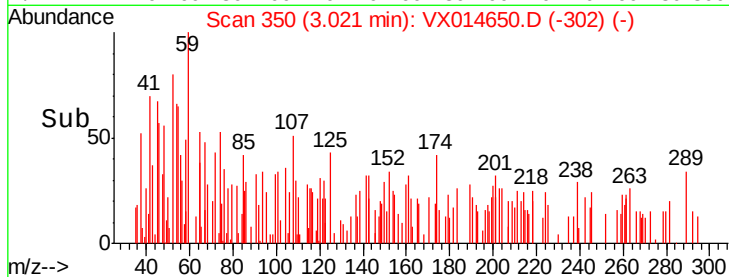
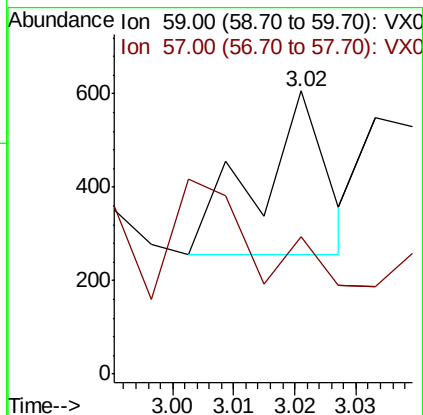
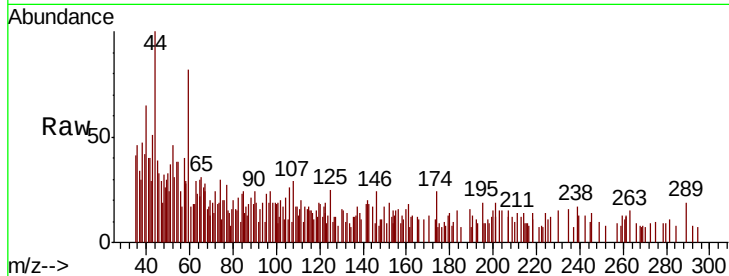


#11

Tert butyl alcohol
Concen: 0.255 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014650.D
Acq: 17 Jan 2020 13:25

Instrument :
MSVOA_X
ClientSampled :

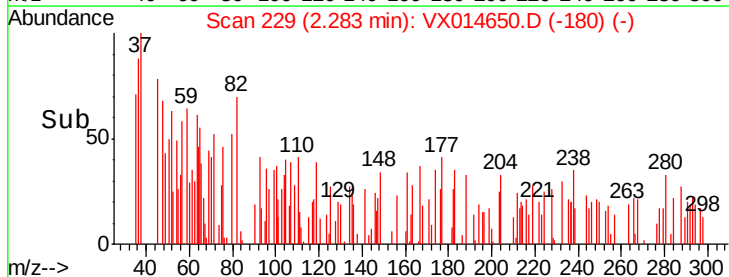
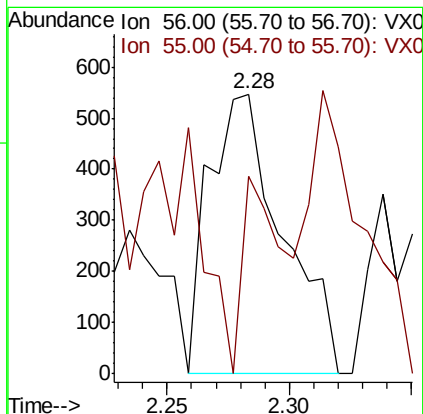
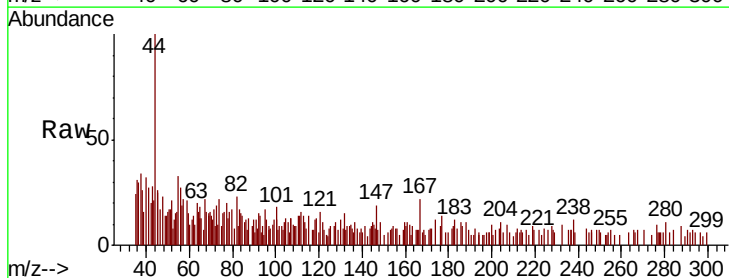
Tot Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 243.3 8.5 12.7#

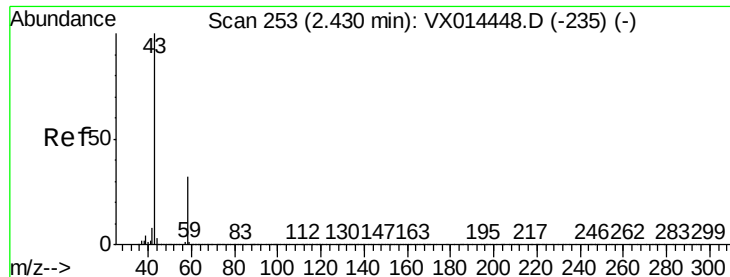


#13

Acrolein
Concen: 1.343 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014650.D
Acq: 17 Jan 2020 13:25

Tgt Ion: 56 Resp: 1138
Ion Ratio Lower Upper
56 100
55 38.0 55.0 82.6#





#16

Acetone

Concen: 1.246 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

Instrument :

MSVOA_X

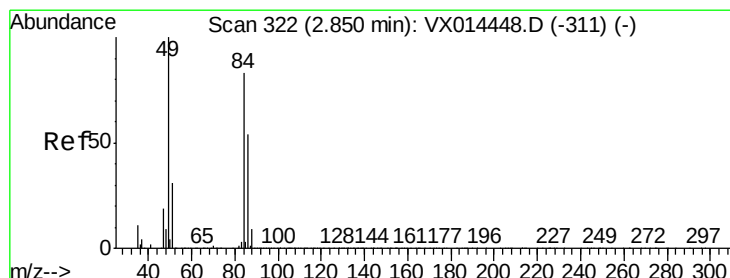
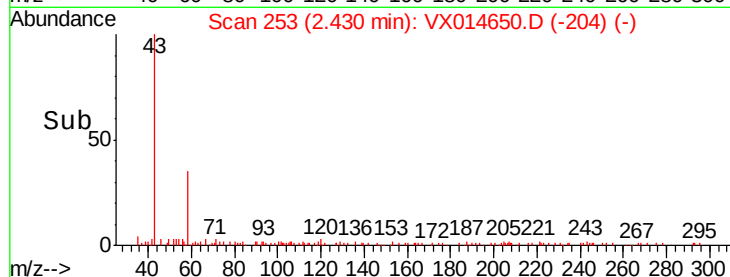
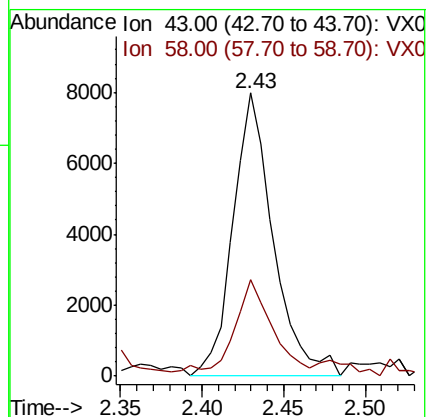
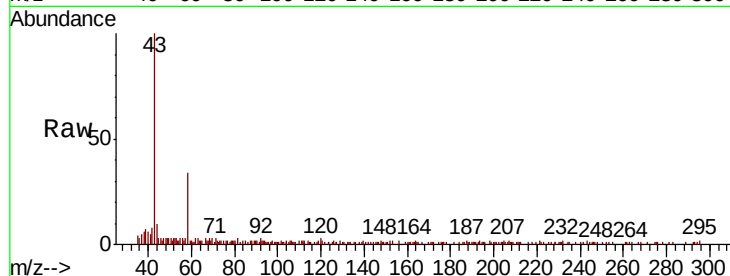
ClientSampleId :

Tot Ion: 43 Resp: 13716

Ion Ratio Lower Upper

43 100

58 30.3 25.4 38.0



#20

Methylene Chloride

Concen: 0.823 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

Tgt Ion: 84 Resp: 4190

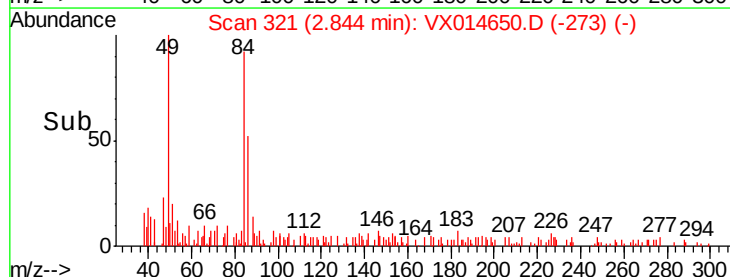
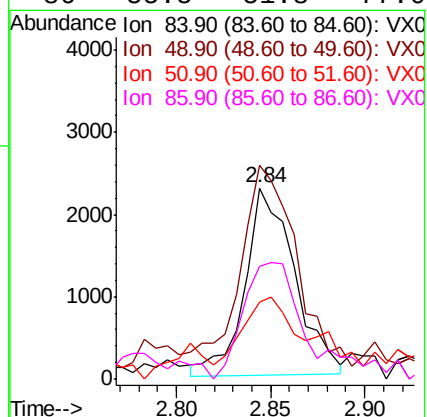
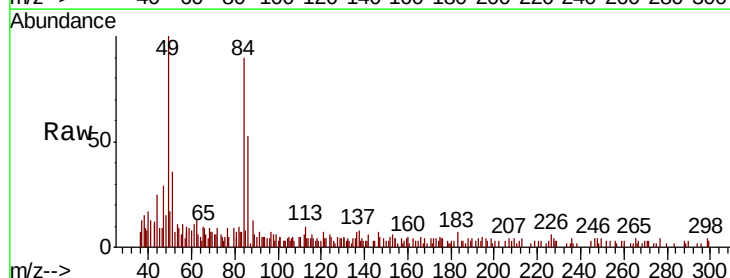
Ion Ratio Lower Upper

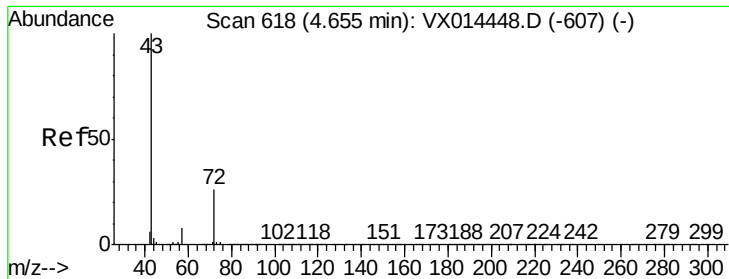
84 100

49 105.2 95.8 143.8

51 31.1 30.2 45.4

86 55.5 51.8 77.6





#25

2-Butanone

Concen: 0.492 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

Instrument :

MSVOA_X

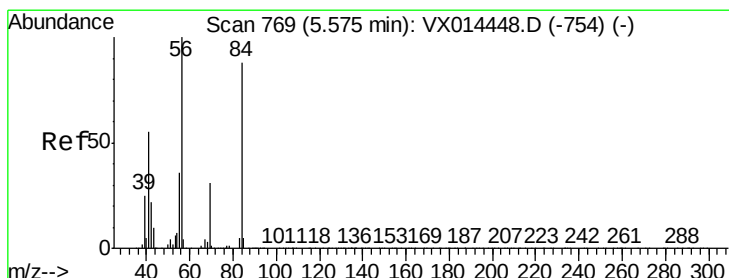
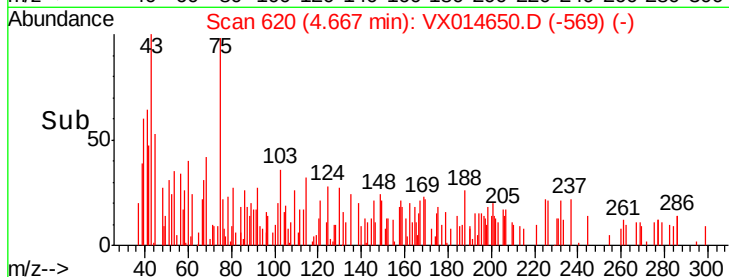
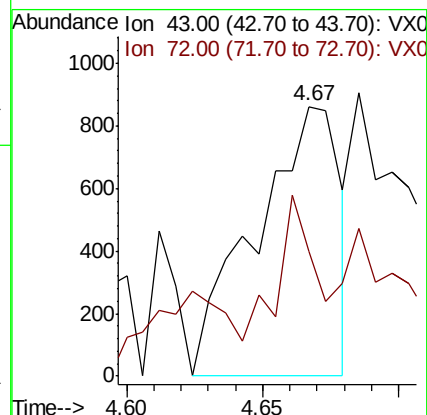
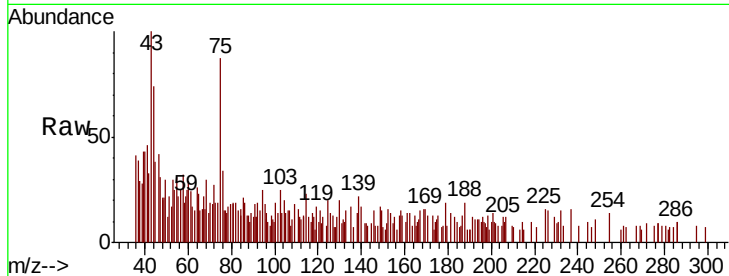
ClientSampled :

Tot Ion: 43 Resp: 1860

Ion Ratio Lower Upper

43 100

72 14.6 20.6 31.0#



#31

Cyclohexane

Concen: 1.121 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.08 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

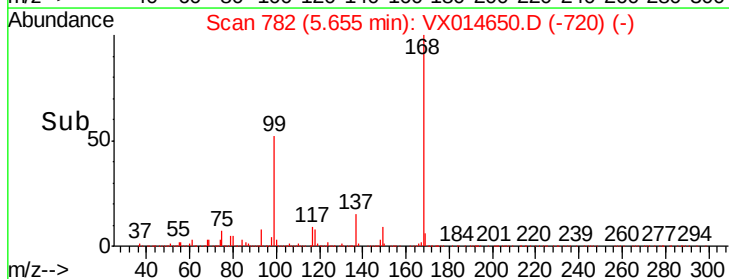
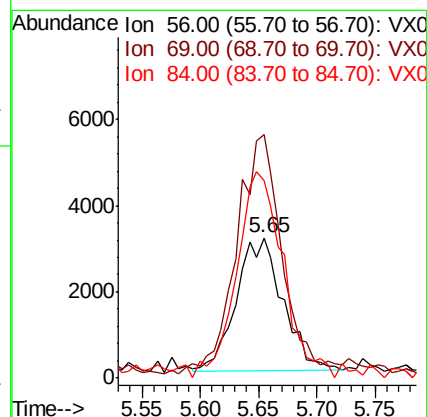
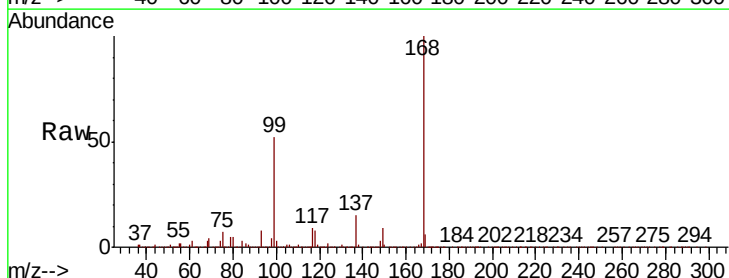
Tgt Ion: 56 Resp: 8676

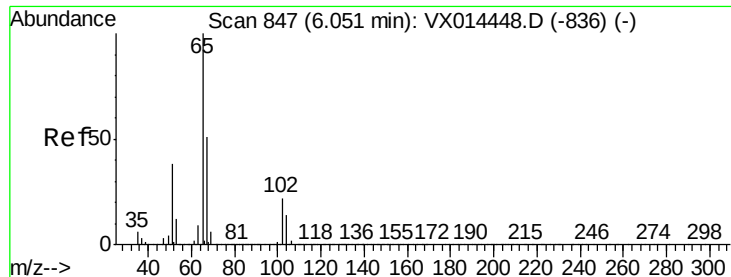
Ion Ratio Lower Upper

56 100

69 173.4 24.4 36.6#

84 149.0 70.6 106.0#

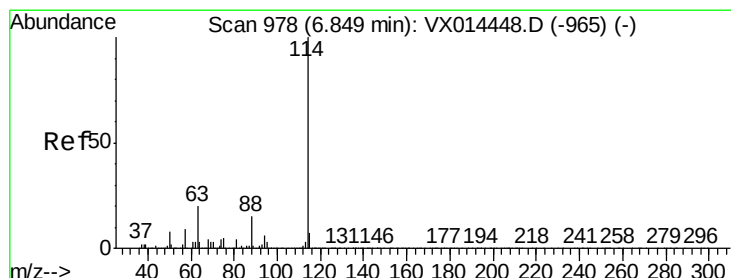
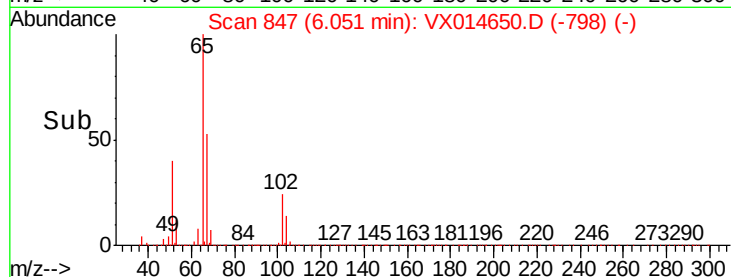
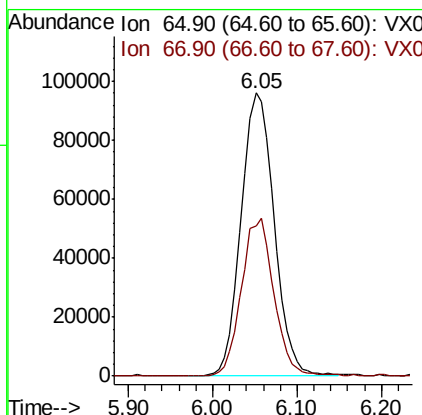
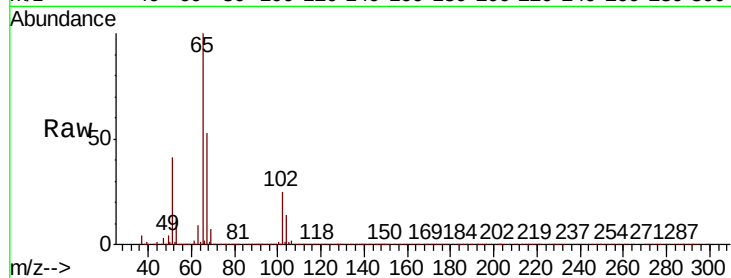




#33
 1,2-Dichloroethane-d4
 Concen: 50.295 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014650.D
 Acq: 17 Jan 2020 13:25

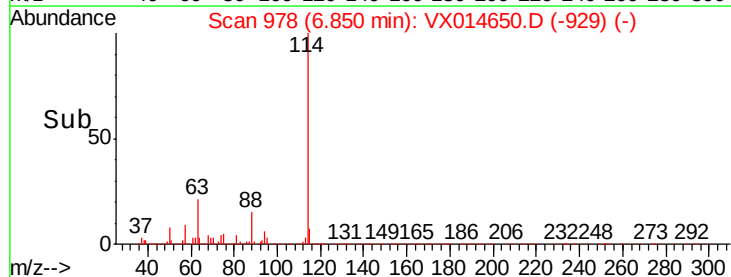
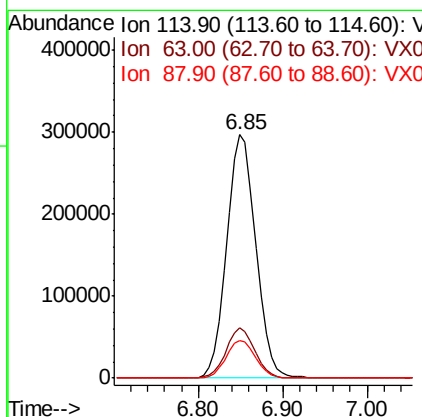
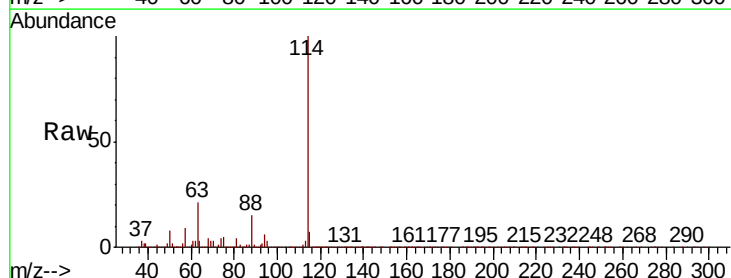
Instrument :
 MSVOA_X
 ClientSampled :

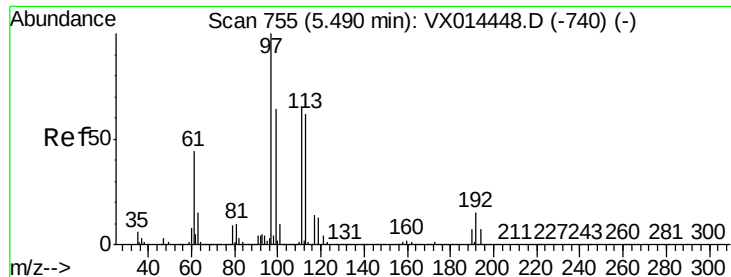
Tot Ion: 65 Resp: 254609
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014650.D
 Acq: 17 Jan 2020 13:25

Tgt Ion: 114 Resp: 697067
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.6
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.521 ug/l

RT: 5.48 min Scan# 754

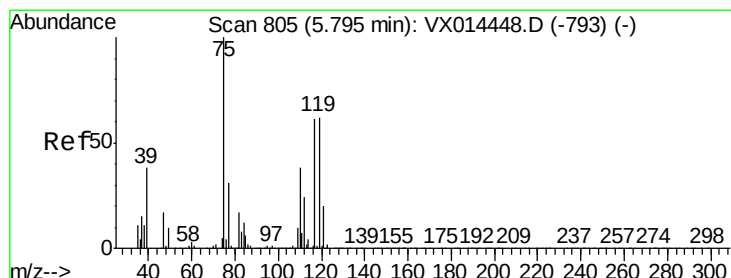
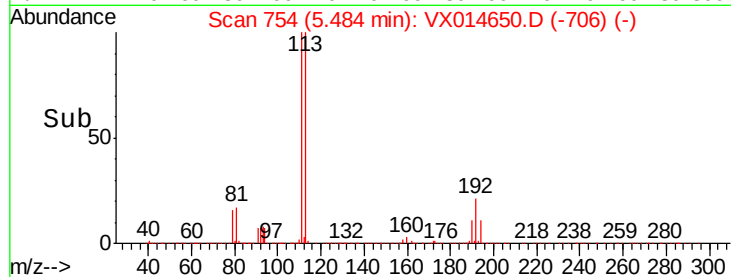
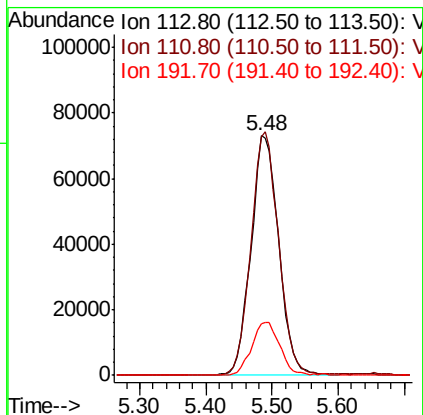
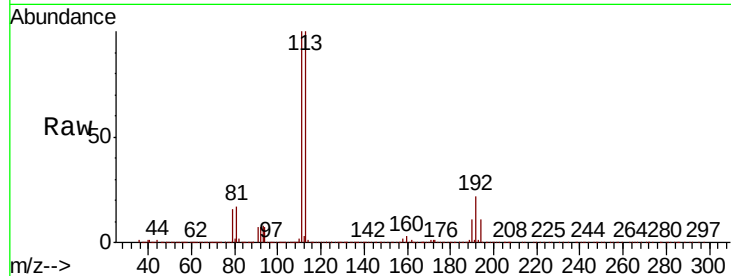
Delta R.T. -0.01 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	213182
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.5	122.3
192	23.0	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.776 ug/l

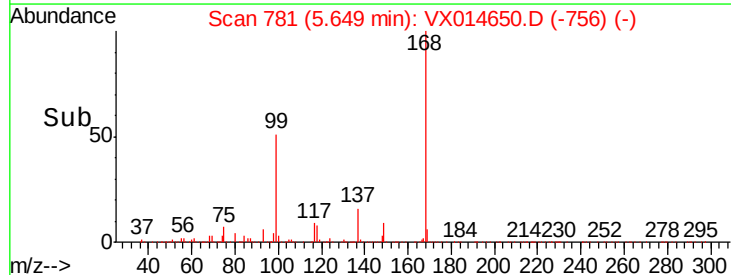
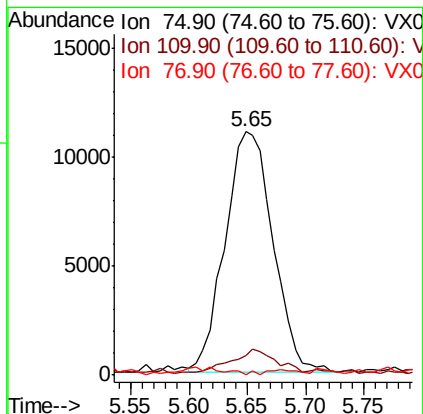
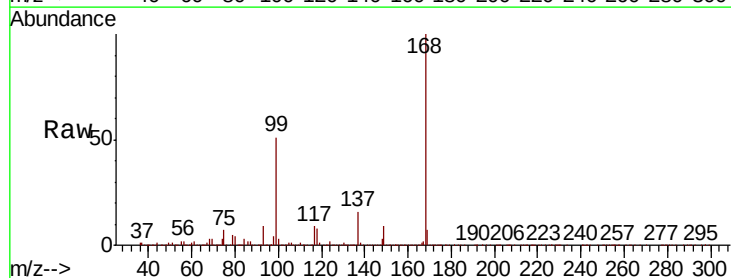
RT: 5.65 min Scan# 781

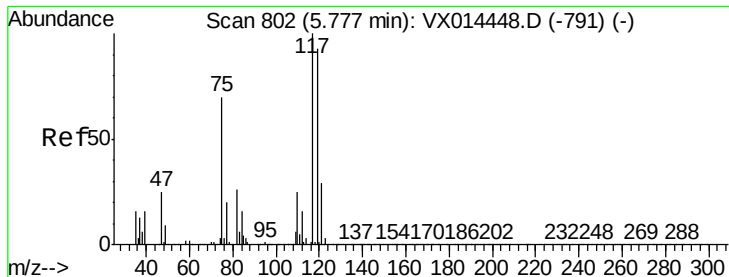
Delta R.T. -0.15 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

Tgt Ion:	75	Resp:	31309
Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.6	55.8#
77	0.0	24.5	36.7#

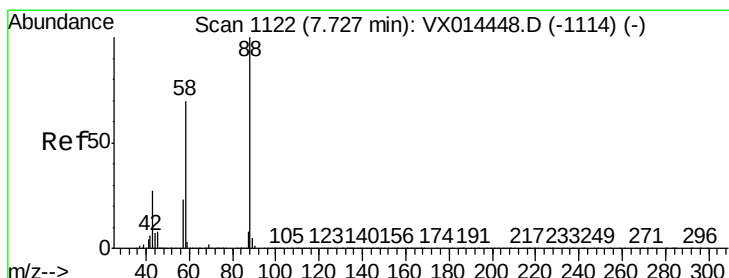
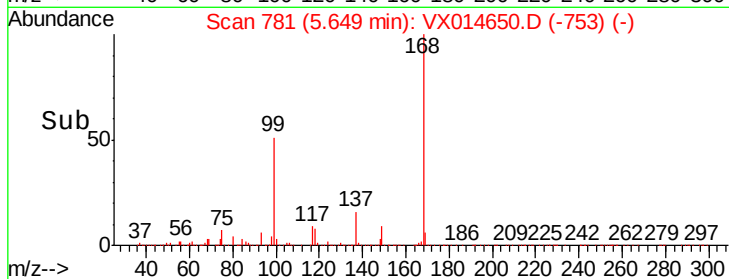
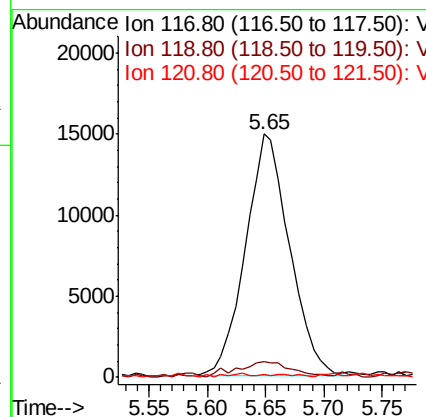
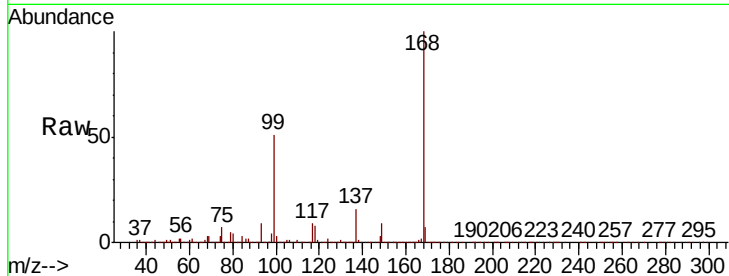




#38
Carbon Tetrachloride
Concen: 6.507 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX014650.D
Acq: 17 Jan 2020 13:25

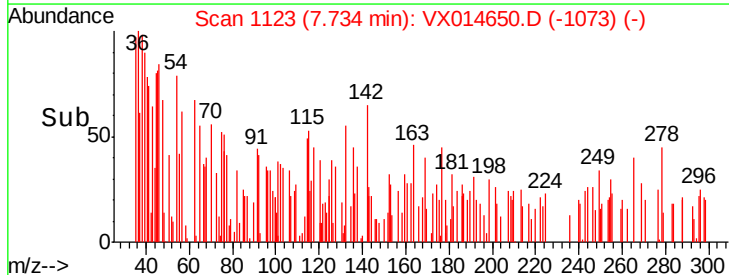
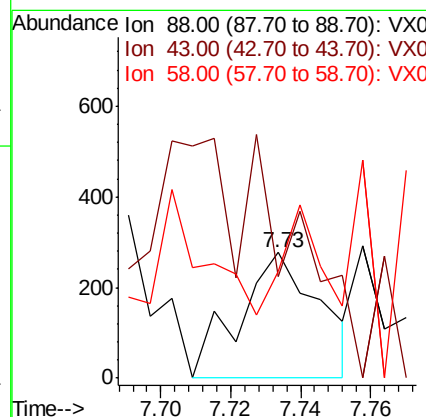
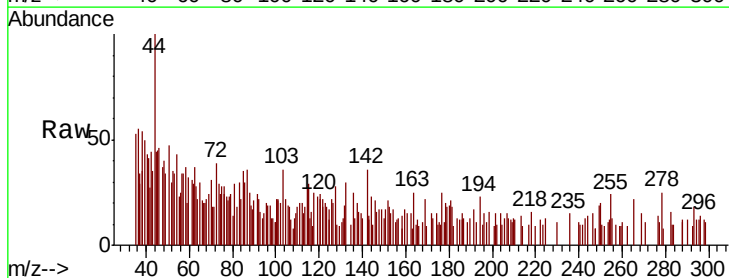
Instrument :
MSVOA_X
ClientSampled :

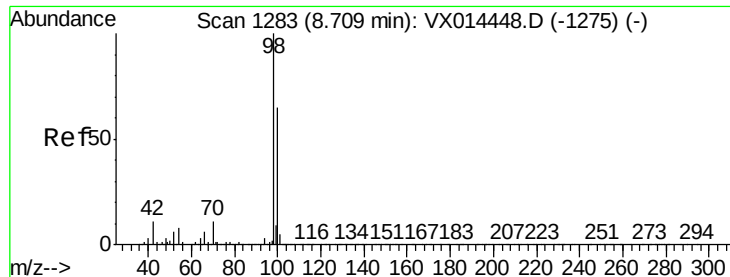
Tot Ion: 117 Resp: 39252
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.8#
121 0.7 23.4 35.0#



#49
1,4-Dioxane
Concen: 3.761 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX014650.D
Acq: 17 Jan 2020 13:25

Tgt Ion: 88 Resp: 439
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 39.0 57.1 85.7#





#50

Toluene-d8

Concen: 51.148 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

Instrument :

MSVOA_X

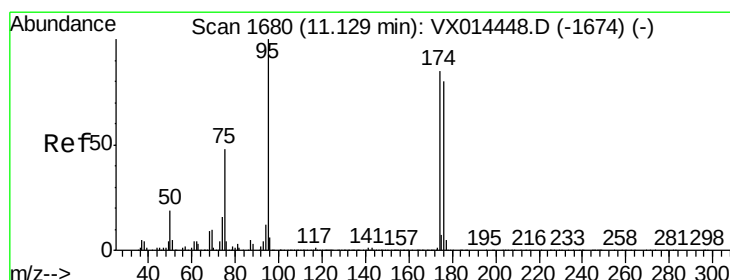
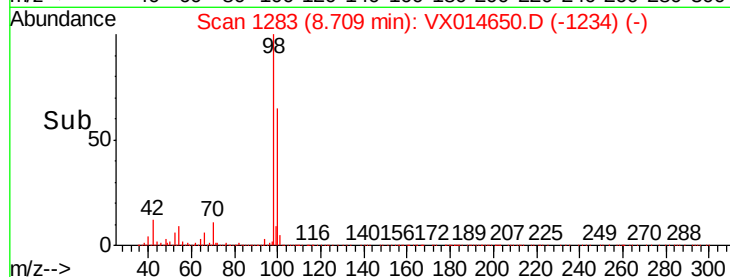
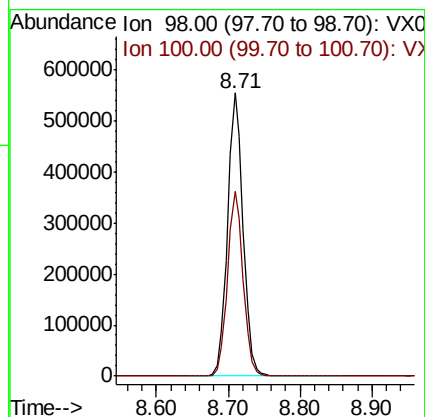
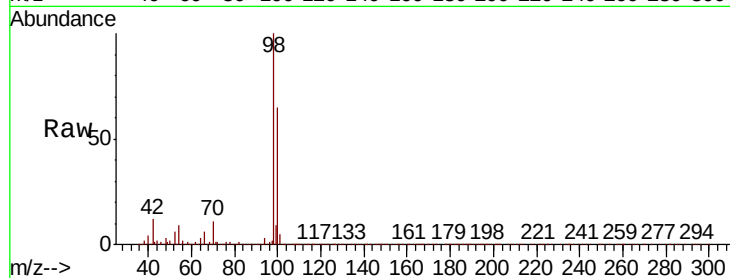
ClientSampleId :

Tot Ion: 98 Resp: 837550

Ion Ratio Lower Upper

98 100

100 65.5 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 46.694 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

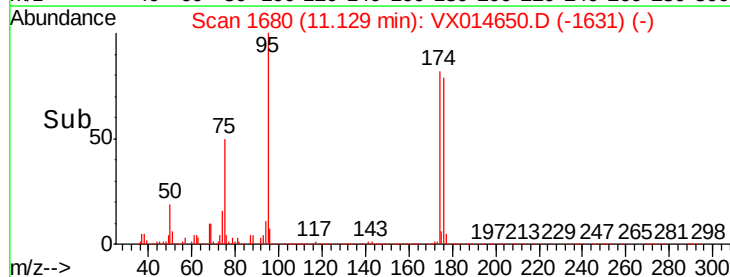
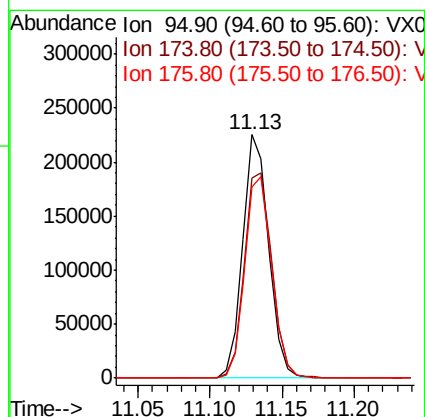
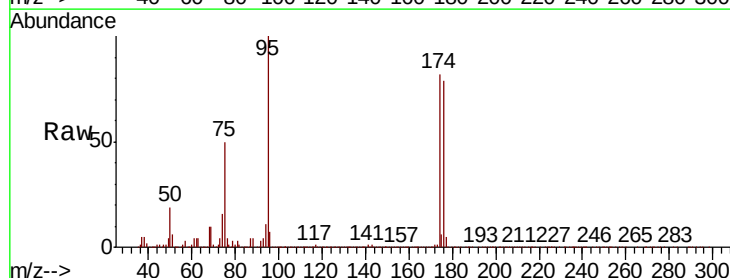
Tgt Ion: 95 Resp: 280697

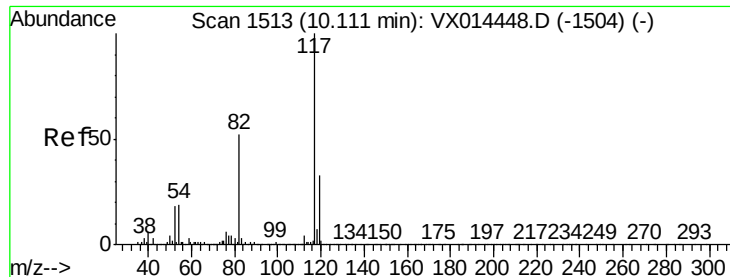
Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.8

176 86.1 0.0 172.8

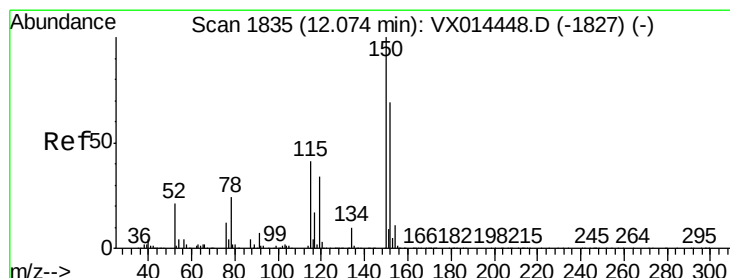
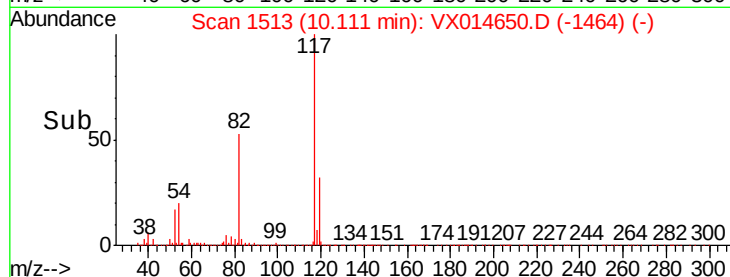
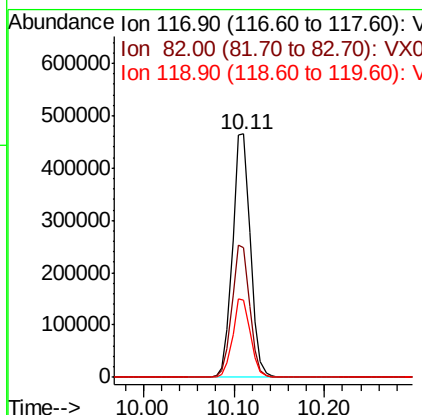
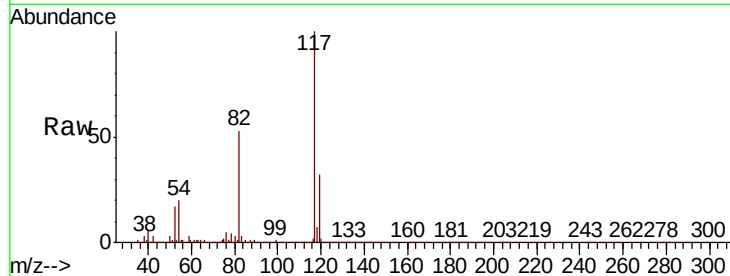




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014650.D
Acq: 17 Jan 2020 13:25

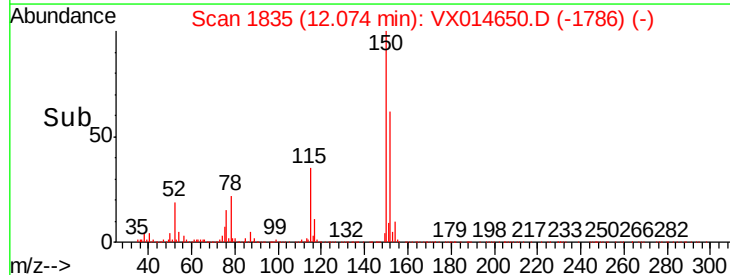
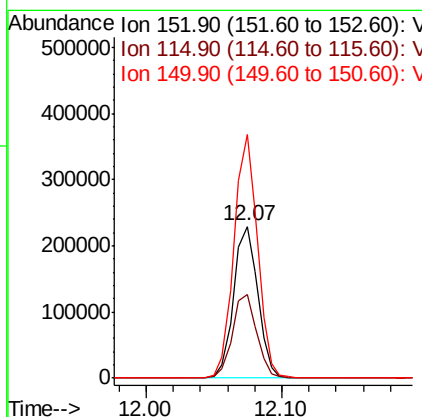
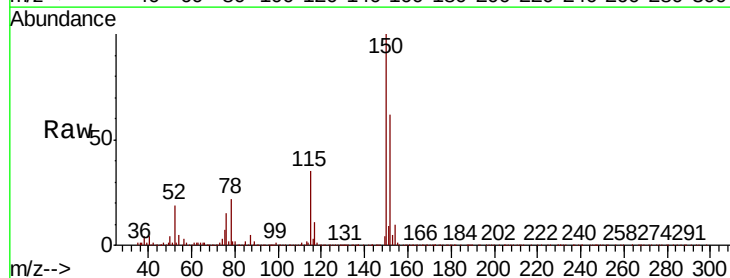
Instrument :
MSVOA_X
ClientSampleId :

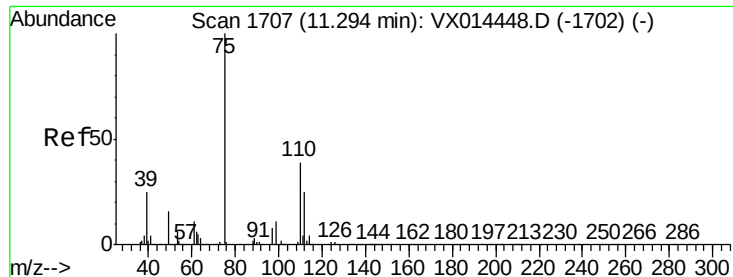
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.8	62.6
119	31.9	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014650.D
Acq: 17 Jan 2020 13:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	39.5	118.3
150	155.9	0.0	350.2





#76

1,2,3-Trichloropropane

Concen: 23.640 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

Instrument :

MSVOA_X

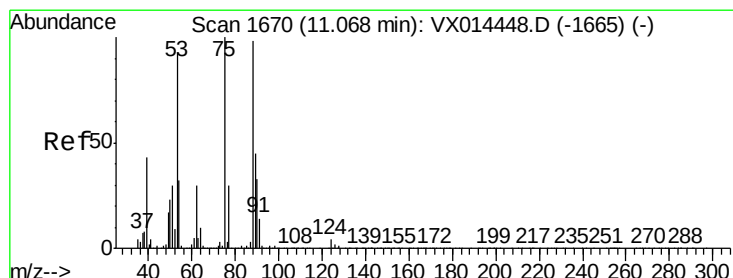
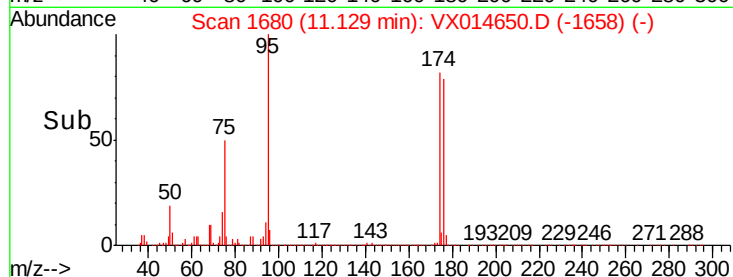
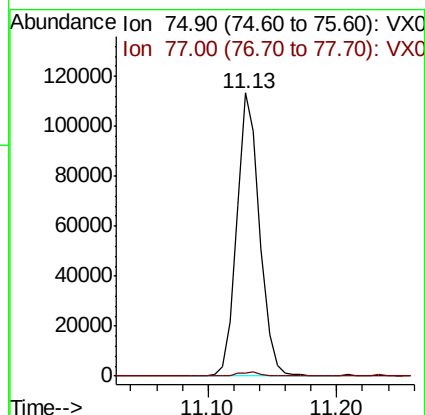
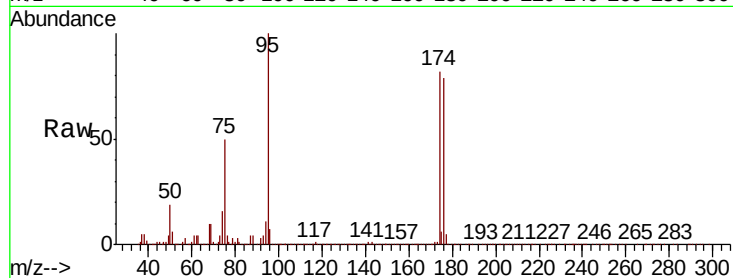
ClientSampleId :

Tot Ion: 75 Resp: 138861

Ion Ratio Lower Upper

75 100

77 1.3 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.499 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

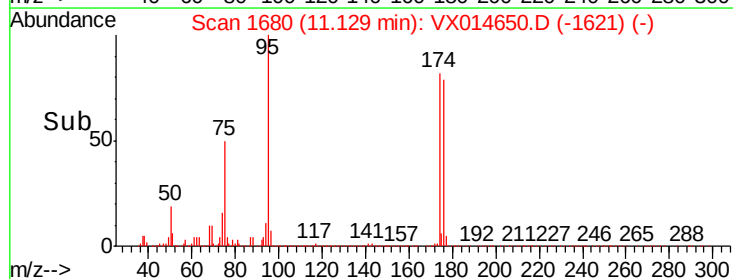
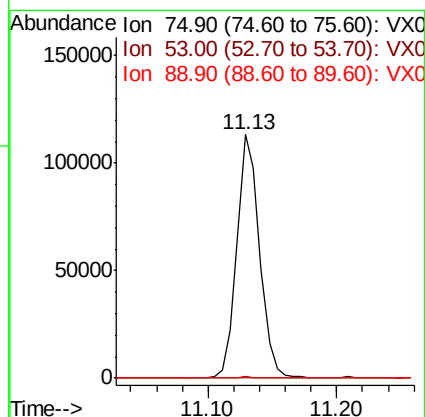
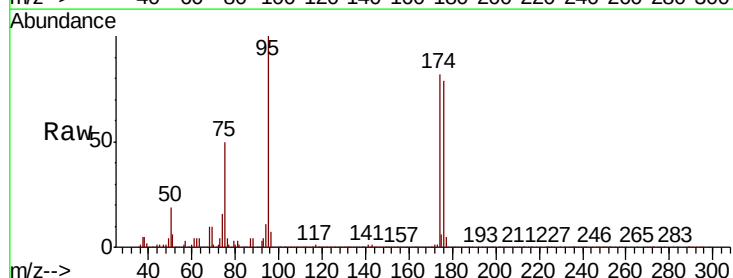
Tgt Ion: 75 Resp: 138861

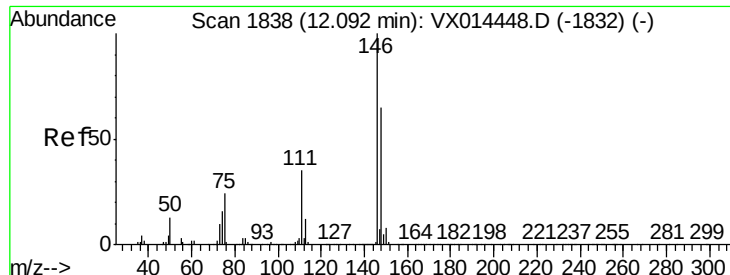
Ion Ratio Lower Upper

75 100

53 0.3 74.8 112.2#

89 0.1 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.02 min Scan# 1826

Delta R.T. -0.07 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

Instrument :

MSVOA_X

ClientSampled :

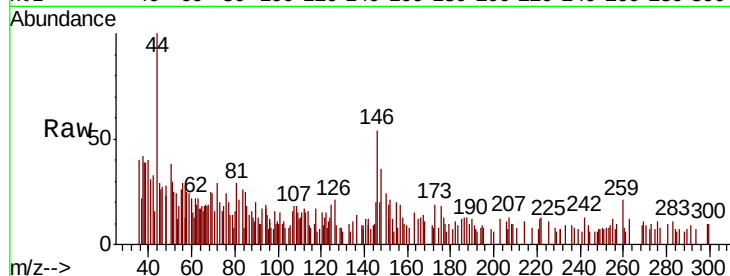
Tot Ion:146 Resp: 721

Ion Ratio Lower Upper

146 100

111 30.4 18.1 54.1

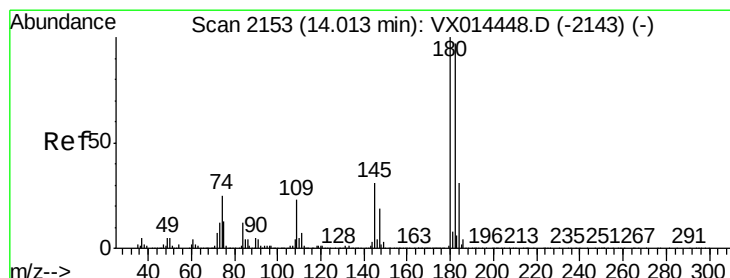
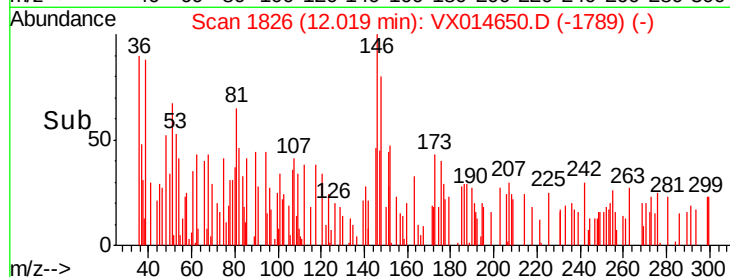
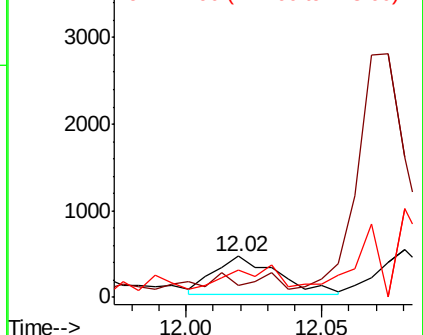
148 64.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 13.92 min Scan# 2137

Delta R.T. -0.10 min

Lab File: VX014650.D

Acq: 17 Jan 2020 13:25

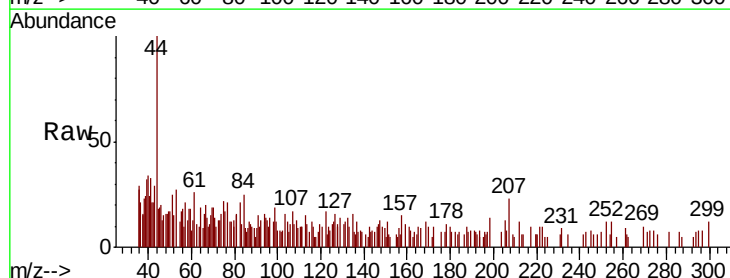
Tgt Ion:180 Resp: 250

Ion Ratio Lower Upper

180 100

182 63.2 47.9 143.6

145 28.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

