

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011320\
 Data File : VX014581.D
 Acq On : 13 Jan 2020 13:02
 Operator : JC/SP
 Sample : L1074-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CIY1-GW-02-13.5

Quant Time: Jan 14 13:05:05 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	489821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	755023	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	671407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	303059	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	270752	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	5.49	113	226023	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	8.71	98	894414	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.13	95	302917	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	

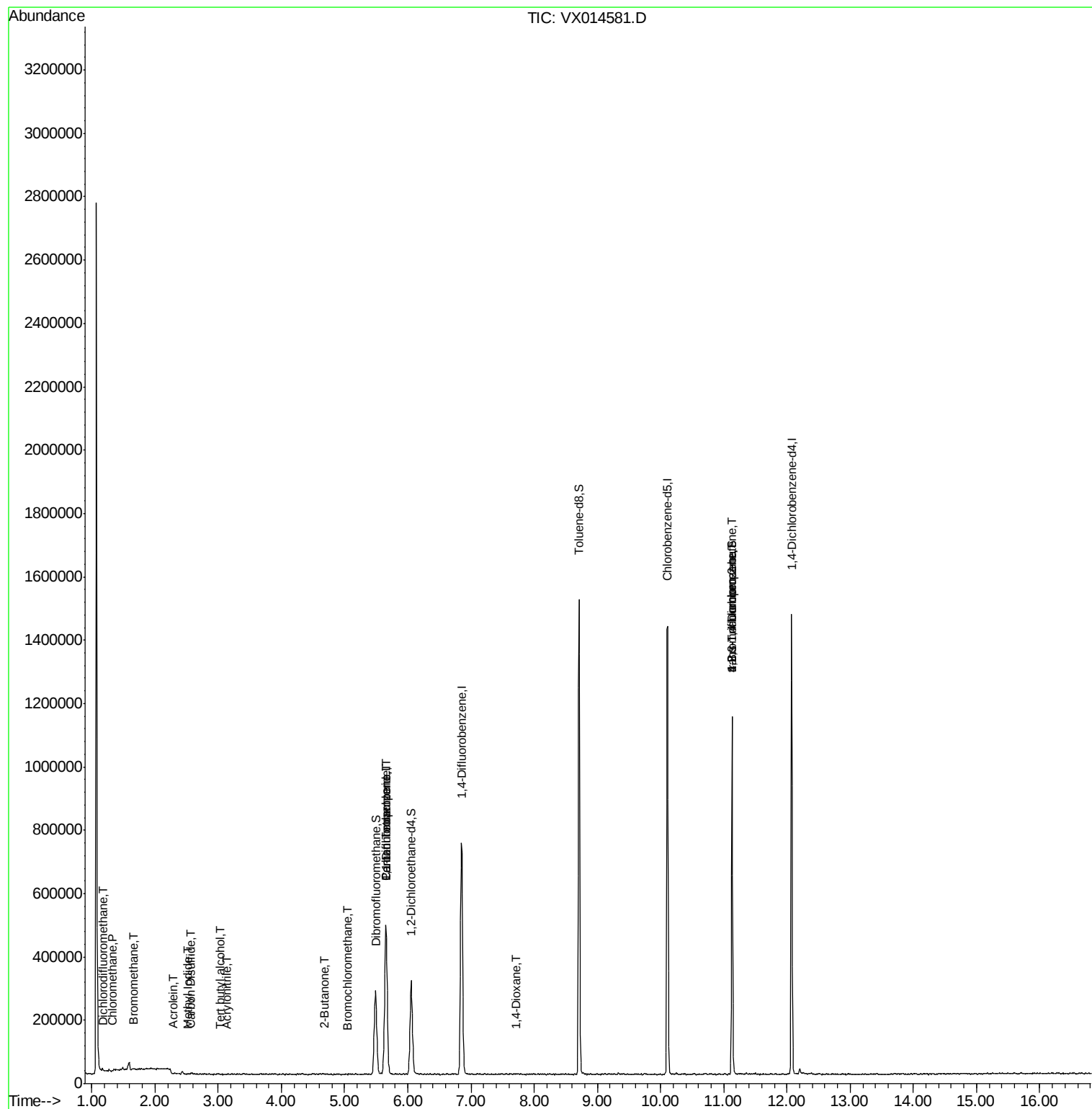
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	195	0.284	ug/l #	67
3) Chloromethane	1.32	50	2216	0.355	ug/l #	38
5) Bromomethane	1.65	94	2110	0.458	ug/l #	71
6) Chloroethane	1.68	64	474	Below Cal		92
10) Methyl Iodide	2.51	142	2085	0.363	ug/l #	71
11) Tert butyl alcohol	3.03	59	839	0.735	ug/l #	1
13) Acrolein	2.28	56	880	0.962	ug/l #	37
15) Acrylonitrile	3.12	53	709	0.257	ug/l #	76
16) Acetone	2.43	43	9877	Below Cal		92
17) Carbon Disulfide	2.56	76	3502	0.259	ug/l #	65
25) 2-Butanone	4.67	43	1078	0.264	ug/l #	6
28) Bromochloromethane	5.03	49	816	0.217	ug/l #	7
36) 1,1-Dichloropropene	5.65	75	34973	4.926	ug/l #	50
38) Carbon Tetrachloride	5.65	117	42447	6.496	ug/l #	18
49) 1,4-Dioxane	7.72	88	227	1.795	ug/l #	45
76) 1,2,3-Trichloropropane	11.13	75	147528	23.528	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	147528	62.203	ug/l #	12
88) 1,4-Dichlorobenzene	12.03	146	967	Below Cal		93
96) 1,2,3-Trichlorobenzene	14.23	180	84	Below Cal		94

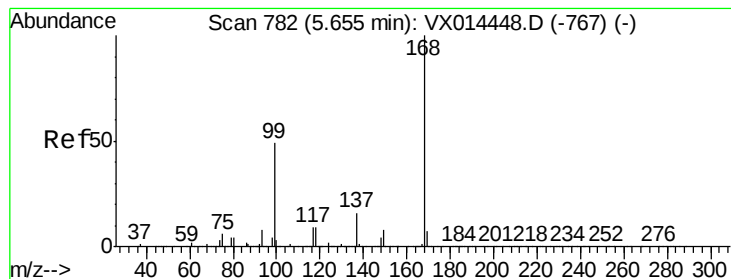
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

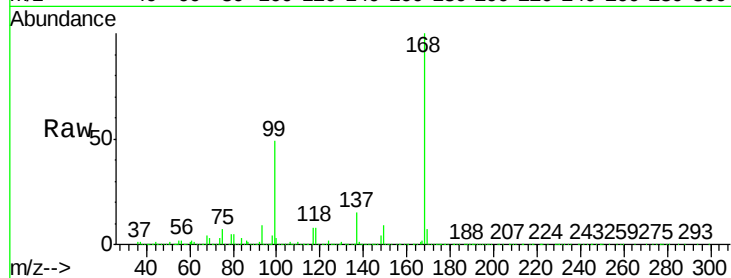
CIY1-GW-02-13.5

Tgt Ion:168 Resp: 489821

Ion Ratio Lower Upper

168 100

99 48.9 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

200000

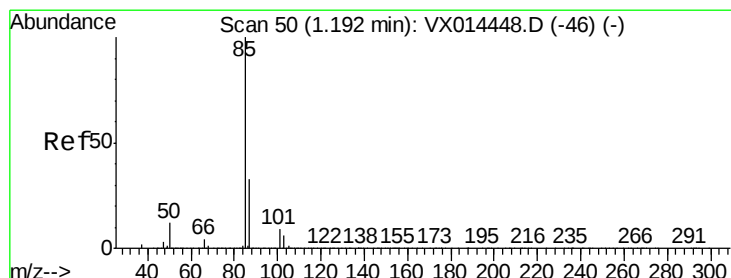
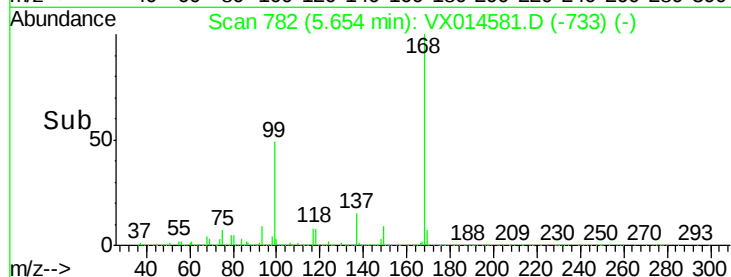
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.284 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014581.D

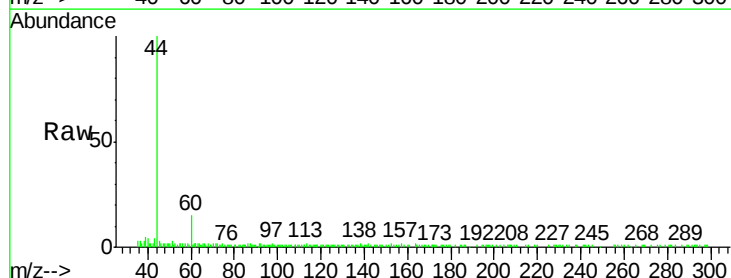
Acq: 13 Jan 2020 13:02

Tgt Ion: 85 Resp: 195

Ion Ratio Lower Upper

85 100

87 51.8 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

300

250

200

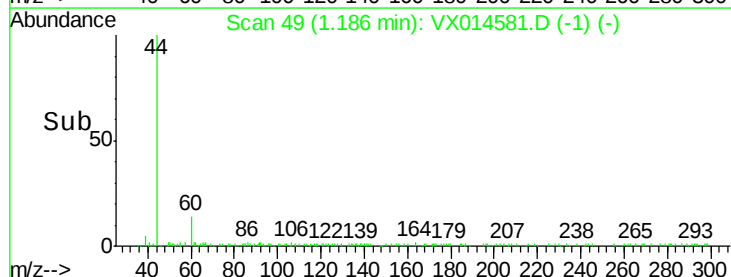
150

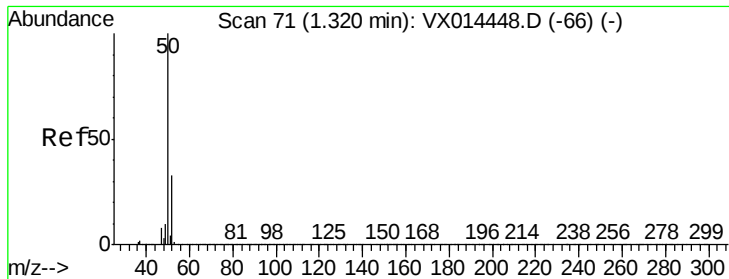
100

50

0

Time-->





#3

Chloromethane

Concen: 0.355 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

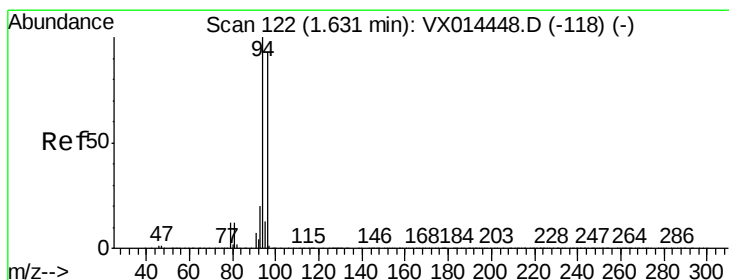
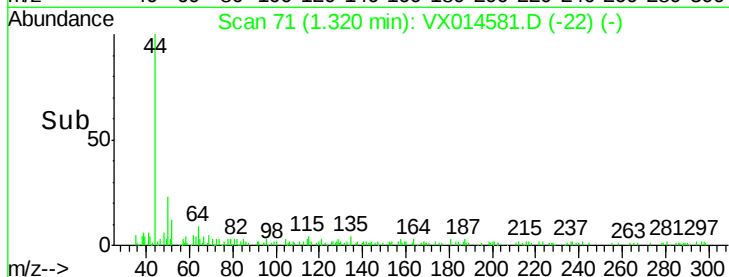
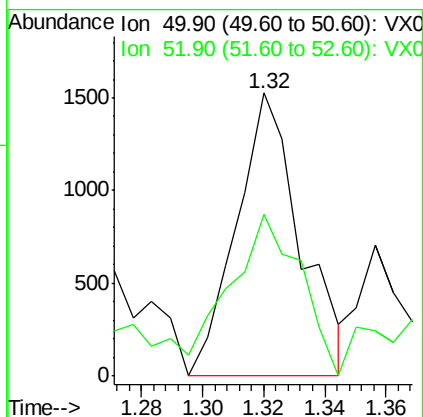
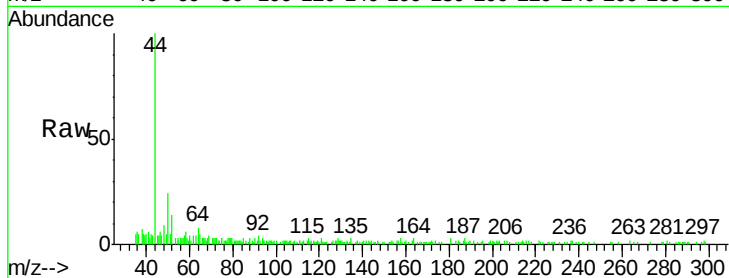
CIY1-GW-02-13.5

Tgt Ion: 50 Resp: 2216

Ion Ratio Lower Upper

50 100

52 67.5 26.1 39.1#



#5

Bromomethane

Concen: 0.458 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014581.D

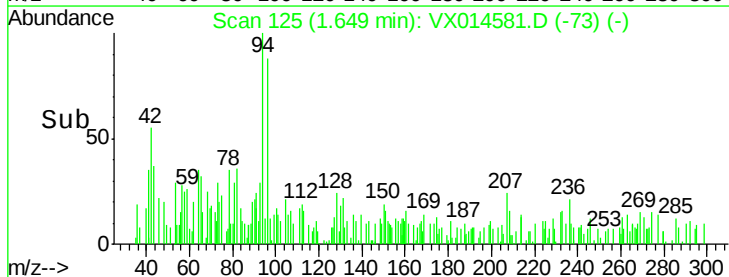
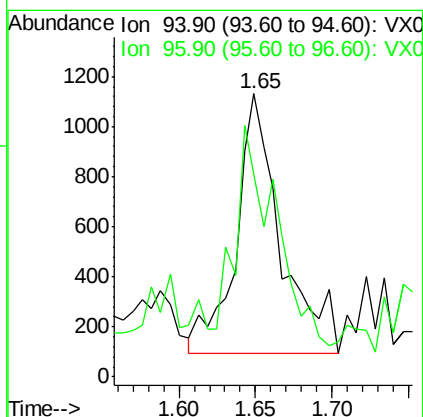
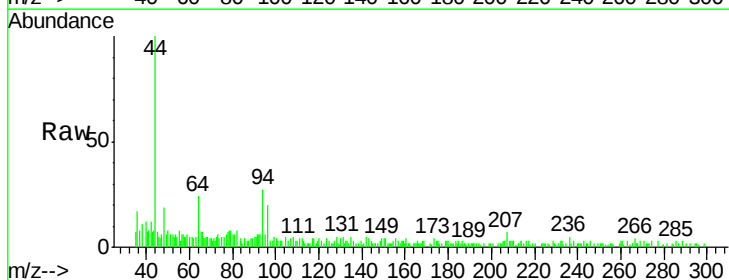
Acq: 13 Jan 2020 13:02

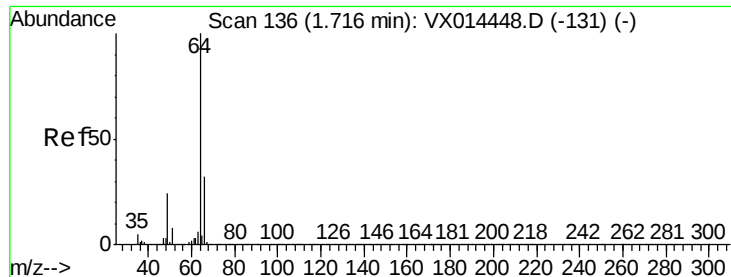
Tgt Ion: 94 Resp: 2110

Ion Ratio Lower Upper

94 100

96 64.7 74.2 111.2#





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 130

Delta R.T. -0.04 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

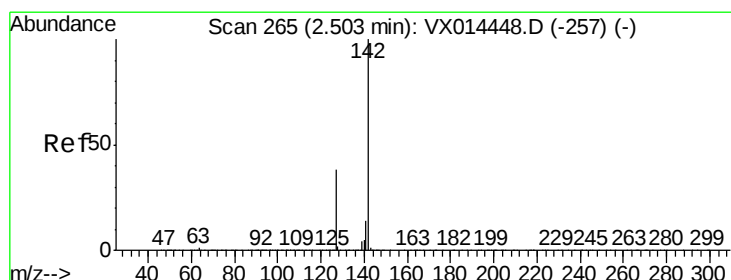
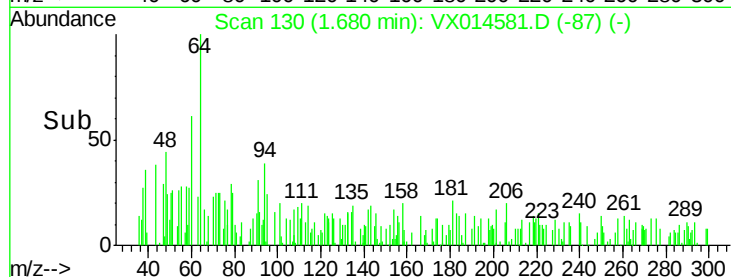
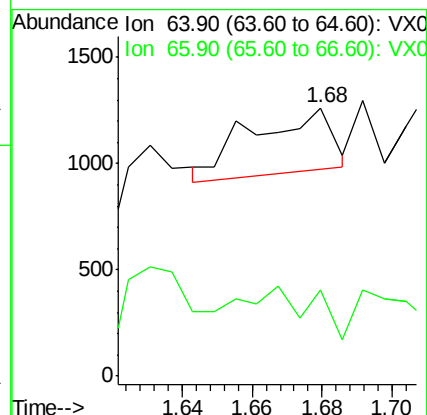
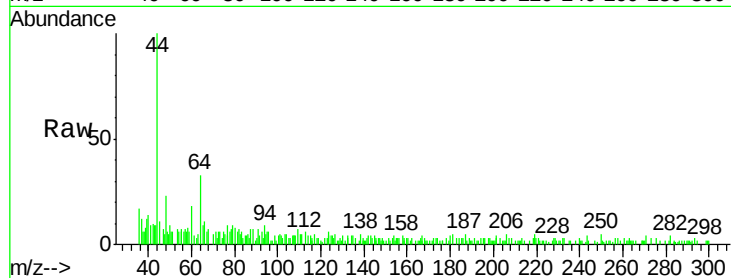
CIY1-GW-02-13.5

Tgt Ion: 64 Resp: 474

Ion Ratio Lower Upper

64 100

66 36.1 25.3 37.9



#10

Methyl Iodide

Concen: 0.363 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

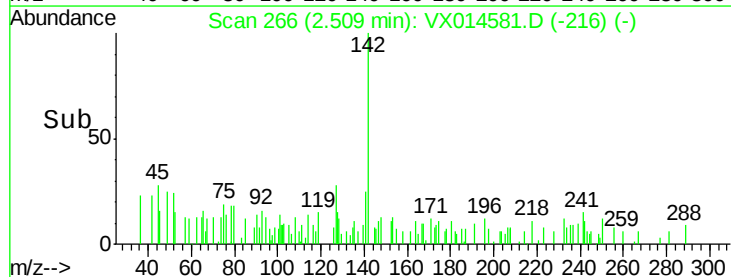
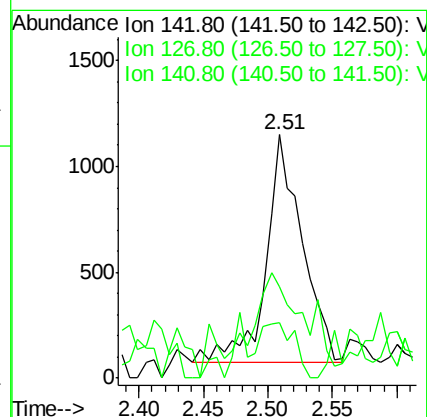
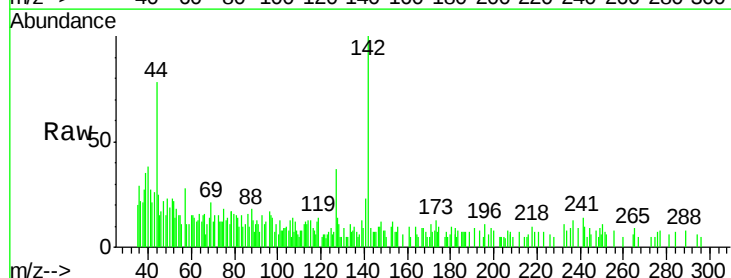
Tgt Ion: 142 Resp: 2085

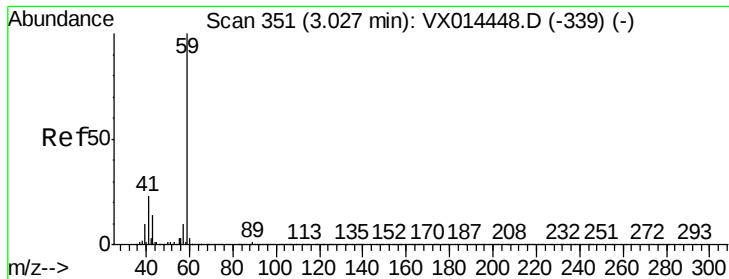
Ion Ratio Lower Upper

142 100

127 59.3 31.2 46.8#

141 21.5 11.4 17.2#

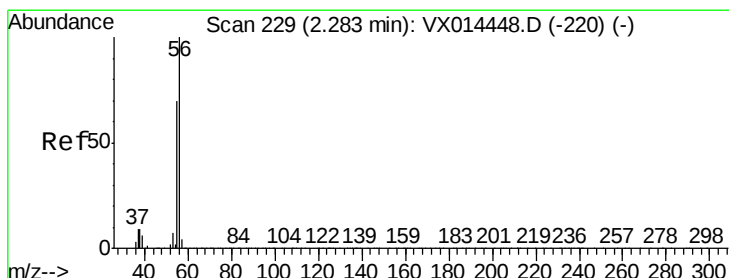
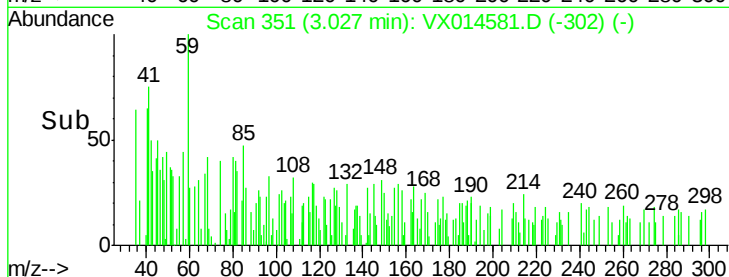
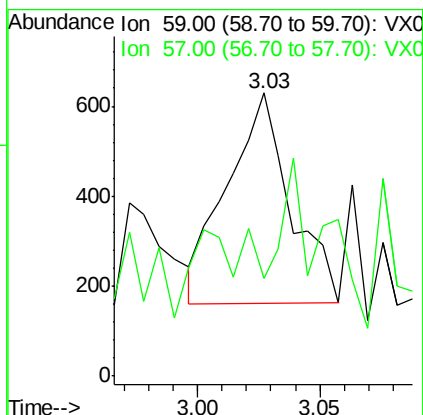
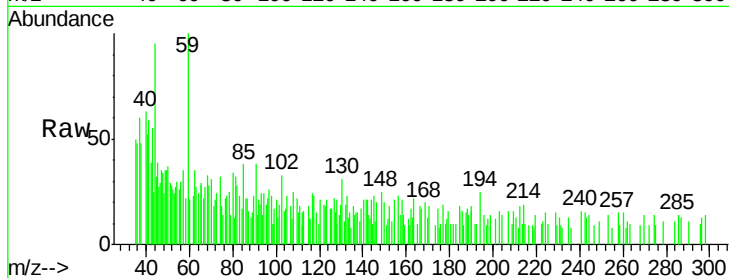




#11
Tert butyl alcohol
Concen: 0.735 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014581.D
Acq: 13 Jan 2020 13:02

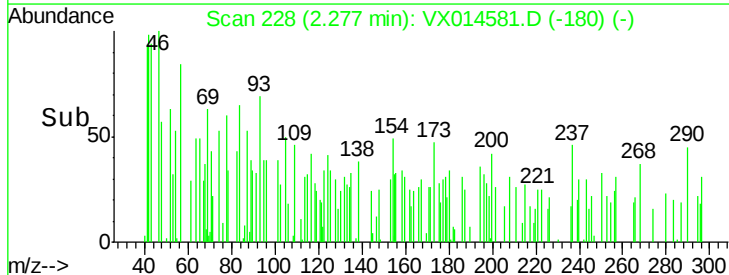
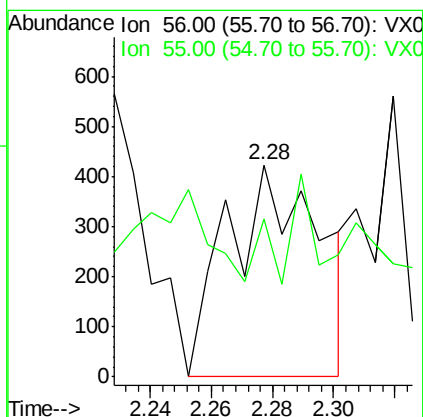
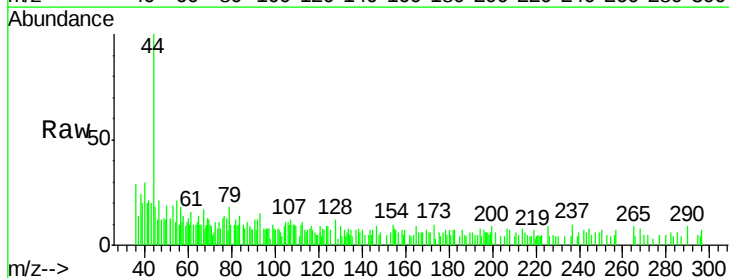
Instrument :
MSVOA_X
ClientSampleId :
CIY1-GW-02-13.5

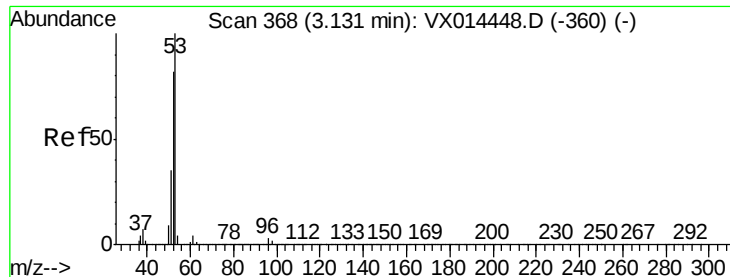
Tgt Ion: 59 Resp: 839
Ion Ratio Lower Upper
59 100
57 54.2 8.5 12.7#



#13
Acrolein
Concen: 0.962 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014581.D
Acq: 13 Jan 2020 13:02

Tgt Ion: 56 Resp: 880
Ion Ratio Lower Upper
56 100
55 17.5 55.0 82.6#





#15

Acrylonitrile

Concen: 0.257 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

CIY1-GW-02-13.5

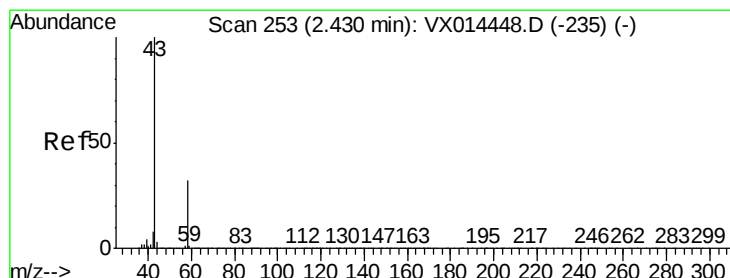
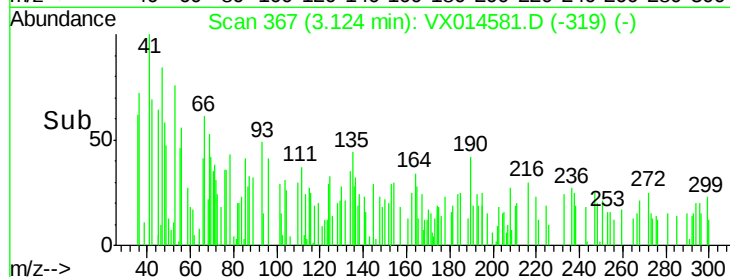
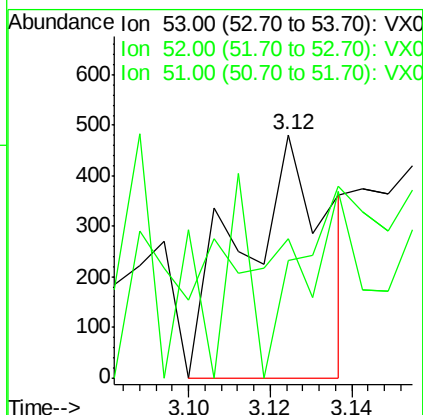
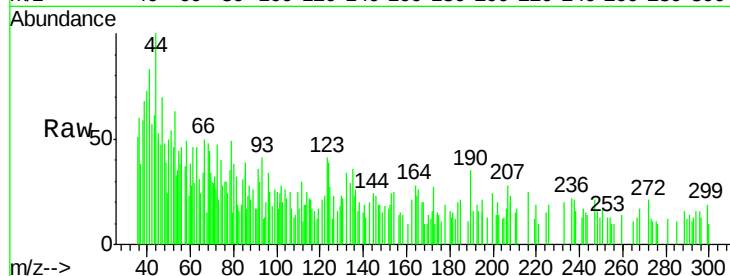
Tgt Ion: 53 Resp: 709

Ion Ratio Lower Upper

53 100

52 76.0 67.0 100.4

51 0.0 28.5 42.7#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014581.D

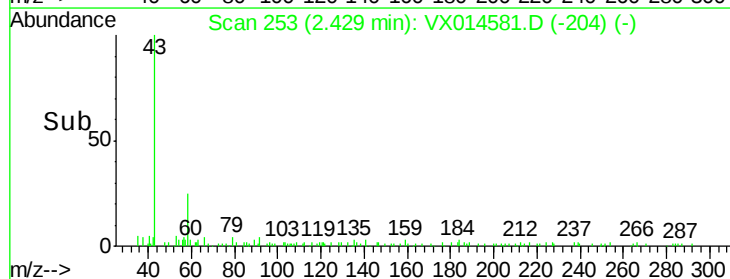
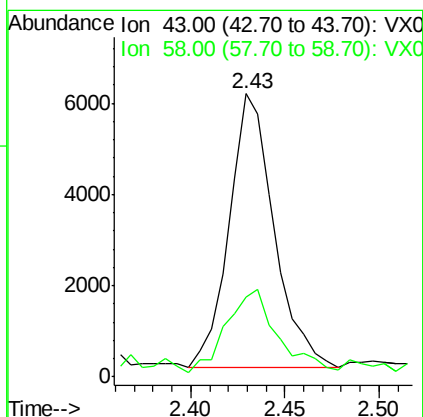
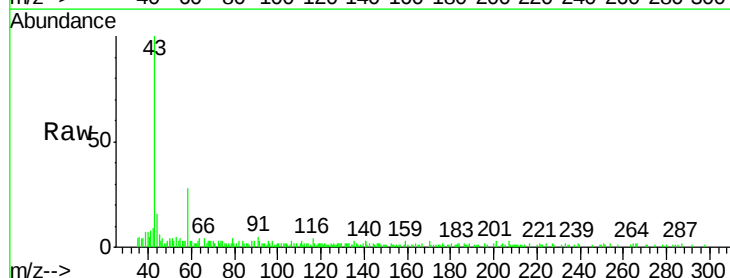
Acq: 13 Jan 2020 13:02

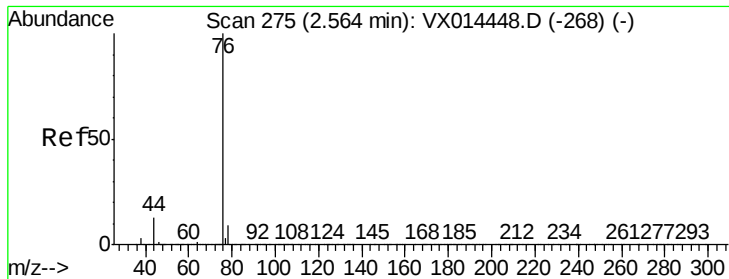
Tgt Ion: 43 Resp: 9877

Ion Ratio Lower Upper

43 100

58 27.4 25.4 38.0





#17

Carbon Disulfide

Concen: 0.259 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

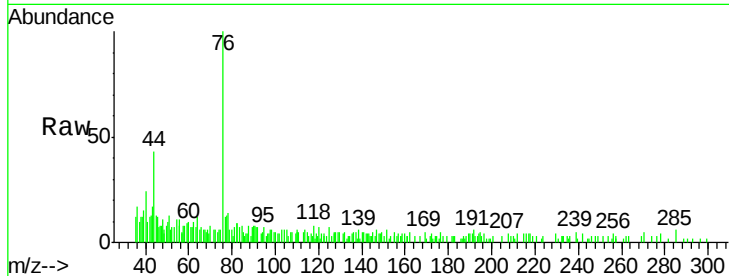
CIY1-GW-02-13.5

Tgt Ion: 76 Resp: 3502

Ion Ratio Lower Upper

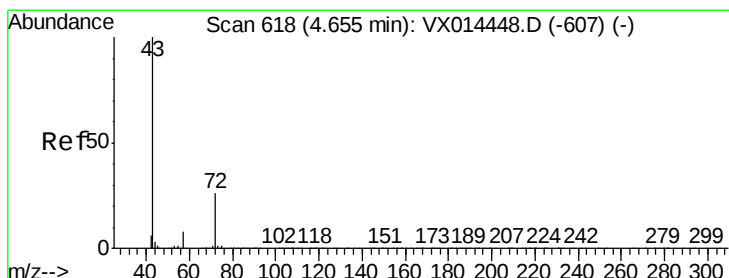
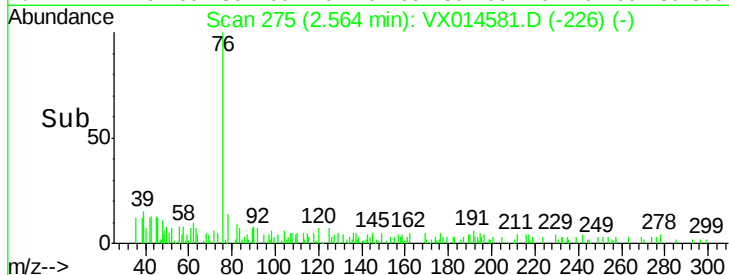
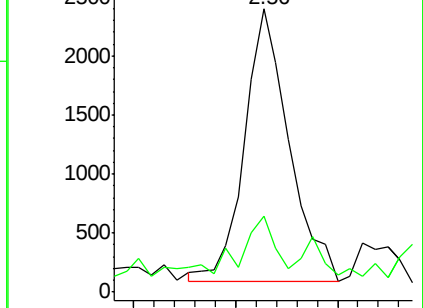
76 100

78 22.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.264 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014581.D

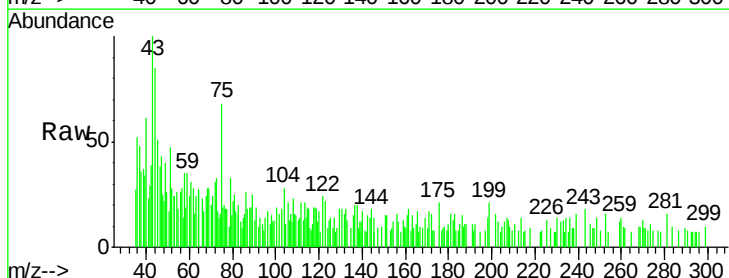
Acq: 13 Jan 2020 13:02

Tgt Ion: 43 Resp: 1078

Ion Ratio Lower Upper

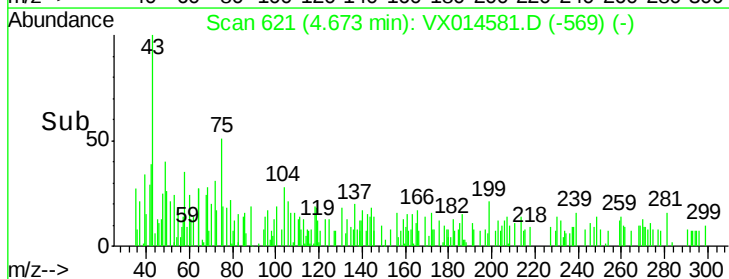
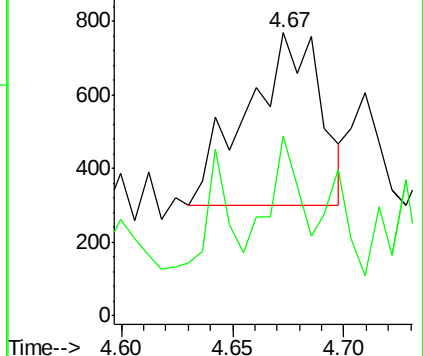
43 100

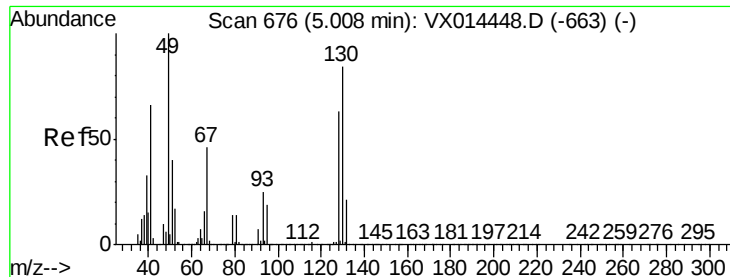
72 73.8 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 0.217 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

CIY1-GW-02-13.5

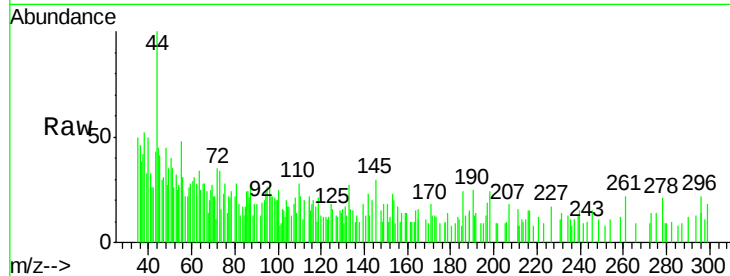
Tgt Ion: 49 Resp: 816

Ion Ratio Lower Upper

49 100

129 38.5 0.0 4.4#

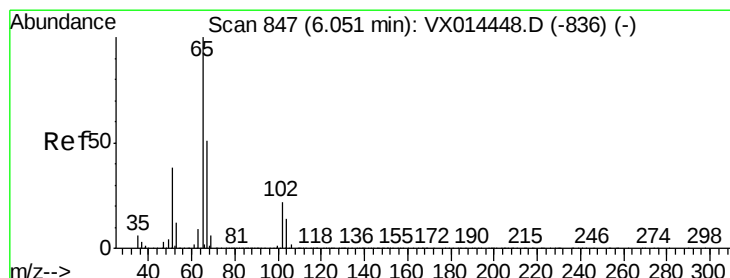
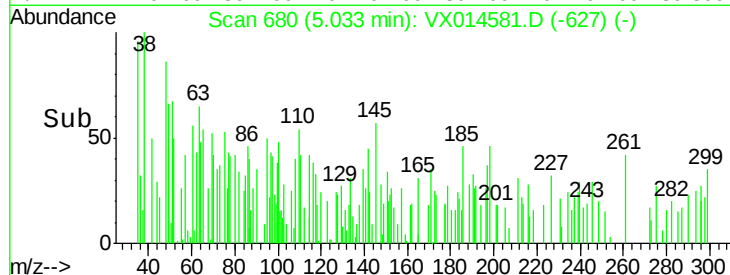
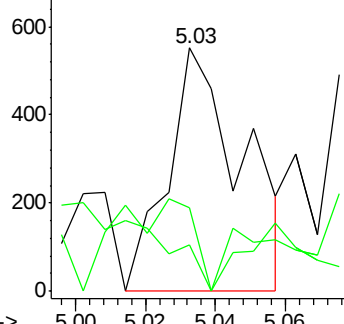
130 0.0 67.0 100.4#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 49.515 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014581.D

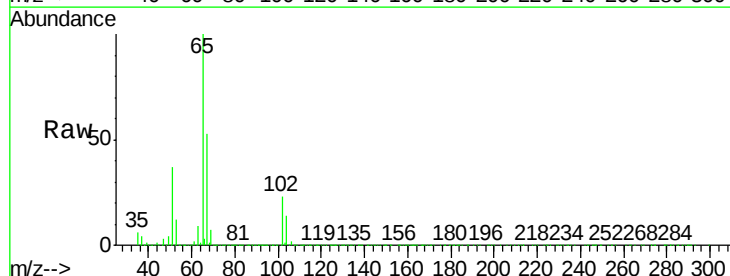
Acq: 13 Jan 2020 13:02

Tgt Ion: 65 Resp: 270752

Ion Ratio Lower Upper

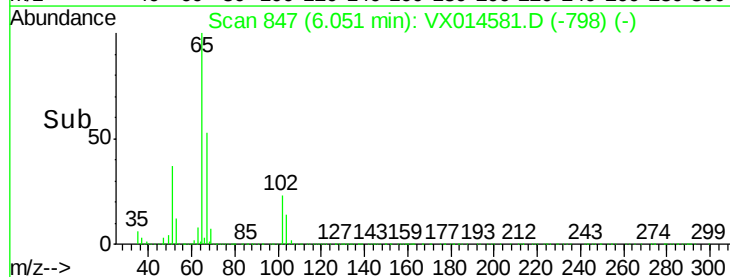
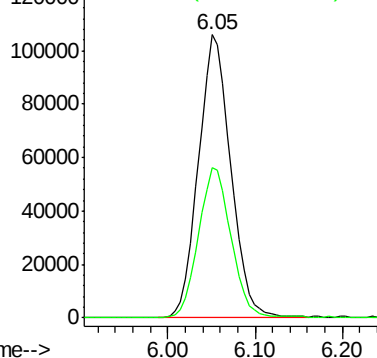
65 100

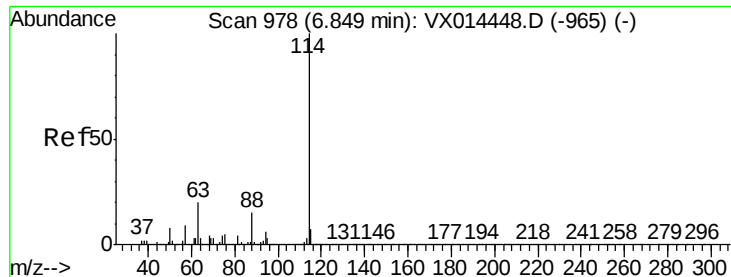
67 53.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

CIY1-GW-02-13.5

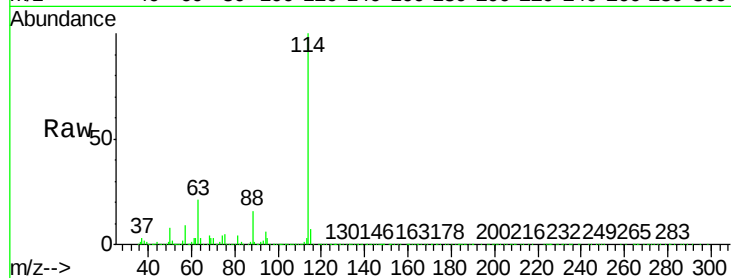
Tgt Ion:114 Resp: 755023

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 15.5 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

400000

300000

200000

100000

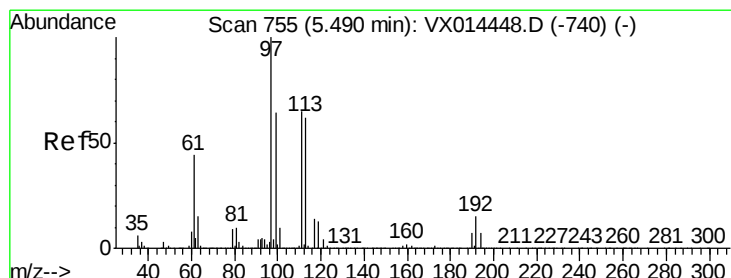
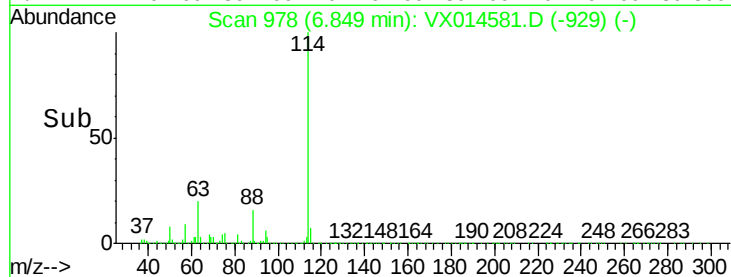
0

6.70

6.80

6.90

7.00



#35

Dibromofluoromethane

Concen: 49.453 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

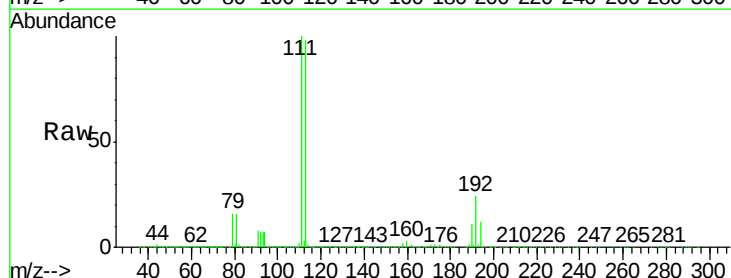
Tgt Ion:113 Resp: 226023

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

192 23.9 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

100000

80000

60000

40000

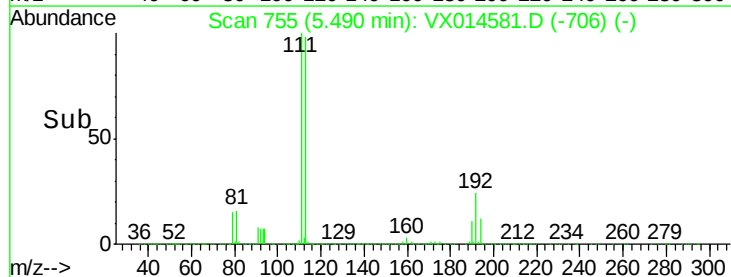
20000

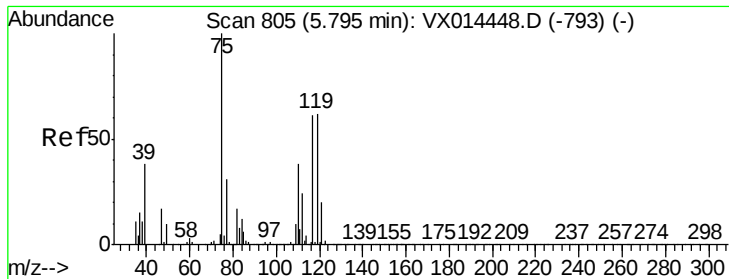
0

5.40

5.50

5.60

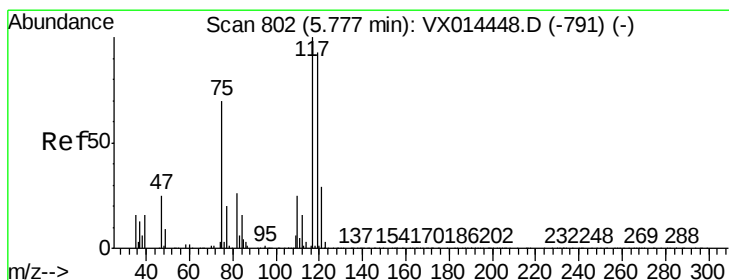
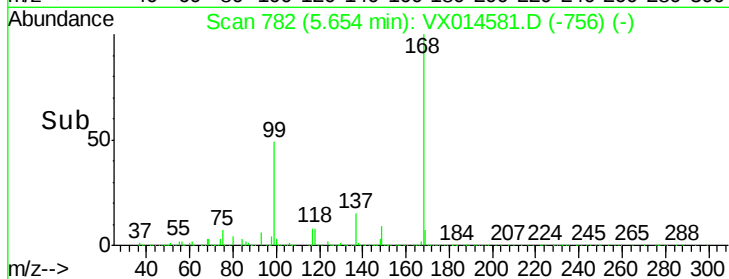
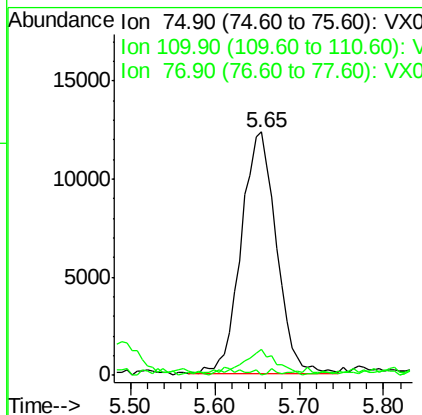
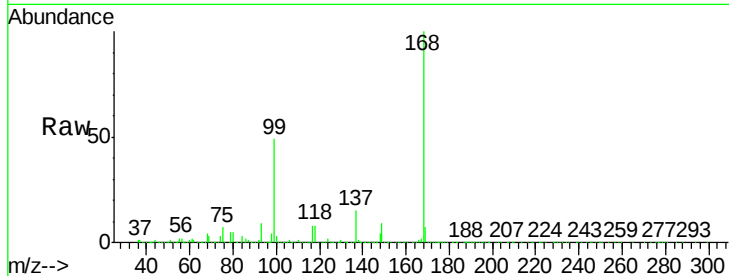




#36
 1,1-Dichloropropene
 Concen: 4.926 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014581.D
 Acq: 13 Jan 2020 13:02

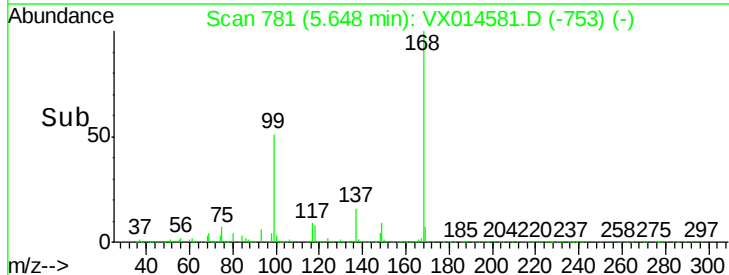
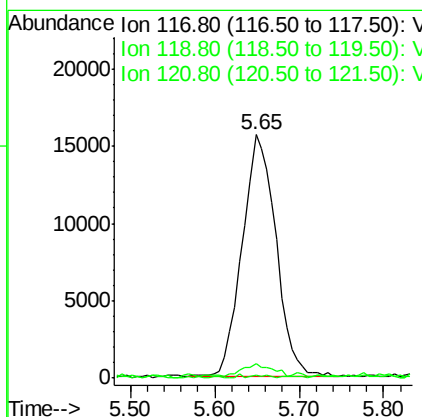
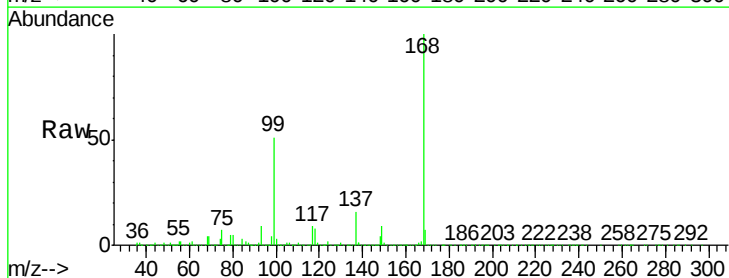
Instrument :
 MSVOA_X
 ClientSampleId :
 CIY1-GW-02-13.5

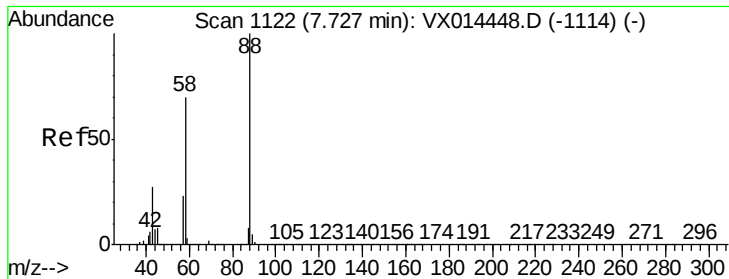
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.6	55.8#
77	0.7	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.496 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014581.D
 Acq: 13 Jan 2020 13:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	73.8	110.8#
121	0.5	23.4	35.0#

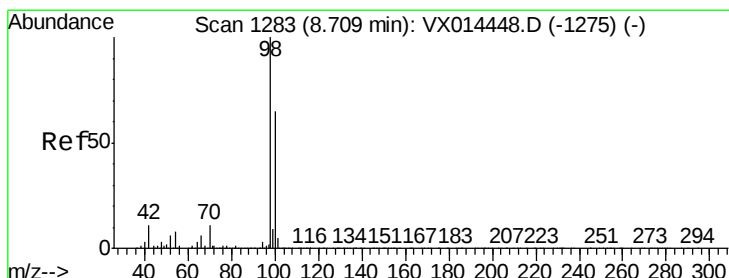
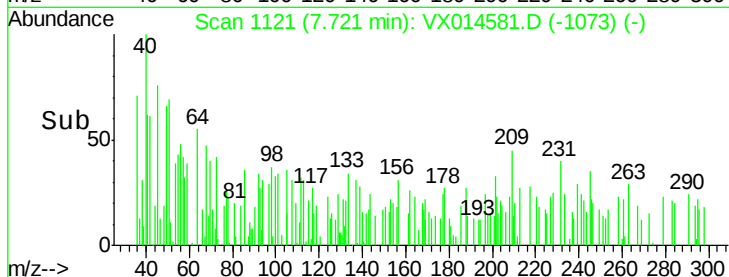
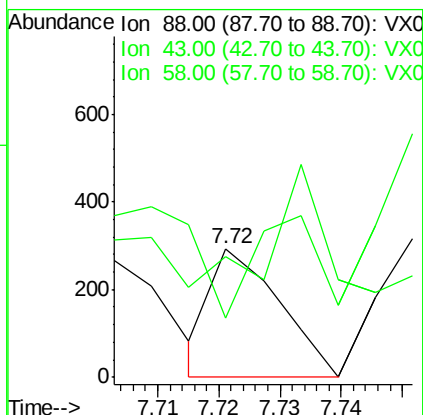
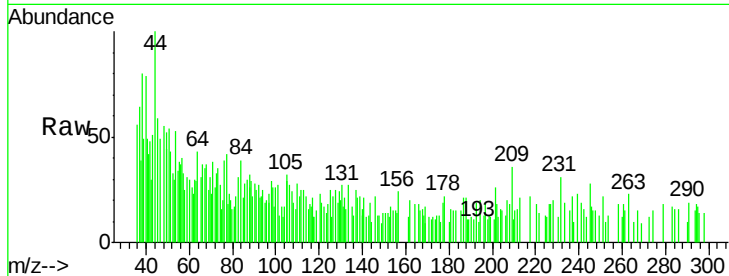




#49
1,4-Dioxane
Concen: 1.795 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014581.D
Acq: 13 Jan 2020 13:02

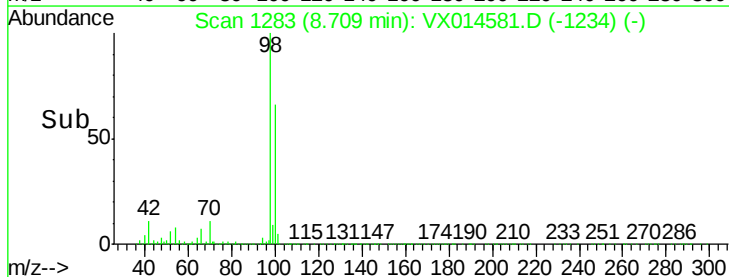
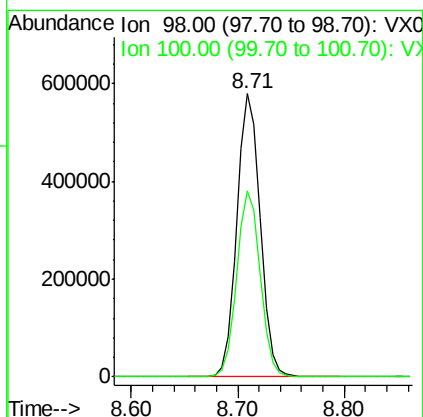
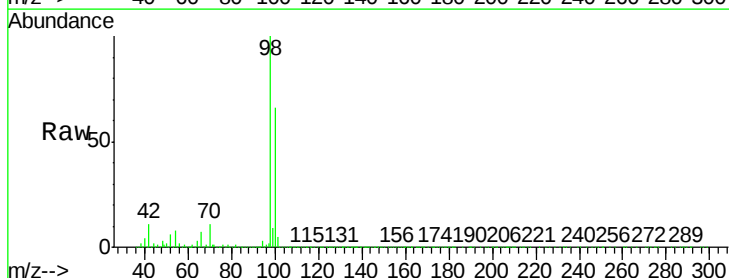
Instrument :
MSVOA_X
ClientSampleId :
CIY1-GW-02-13.5

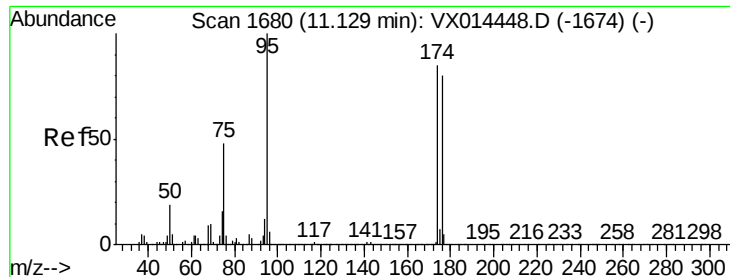
Tgt Ion: 88 Resp: 227
Ion Ratio Lower Upper
88 100
43 126.9 27.4 41.0#
58 74.9 57.1 85.7



#50
Toluene-d8
Concen: 50.428 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014581.D
Acq: 13 Jan 2020 13:02

Tgt Ion: 98 Resp: 894414
Ion Ratio Lower Upper
98 100
100 66.0 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 46.522 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

CIY1-GW-02-13.5

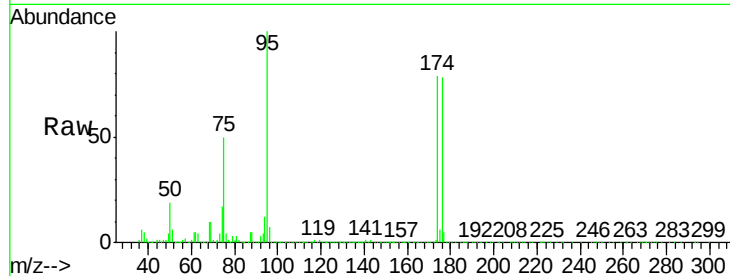
Tgt Ion: 95 Resp: 302917

Ion Ratio Lower Upper

95 100

174 88.4 0.0 180.8

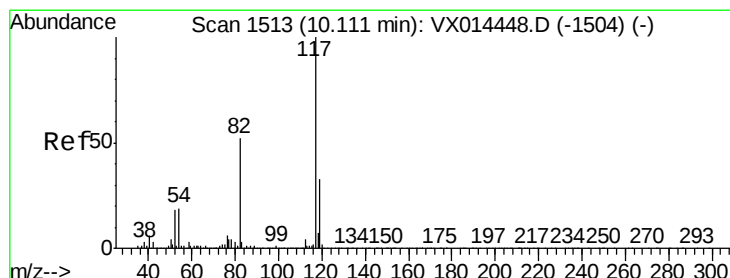
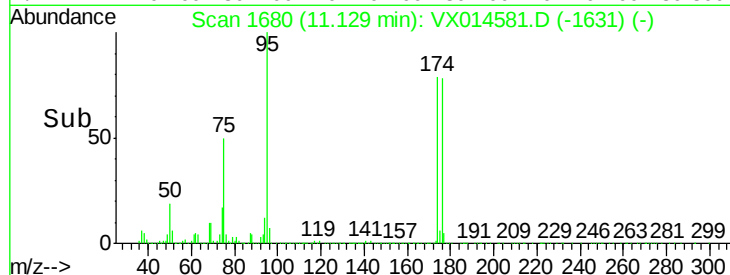
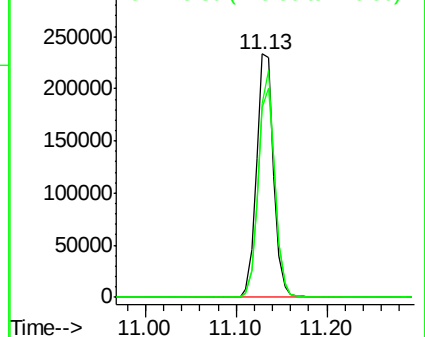
176 85.9 0.0 172.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014581.D

Acq: 13 Jan 2020 13:02

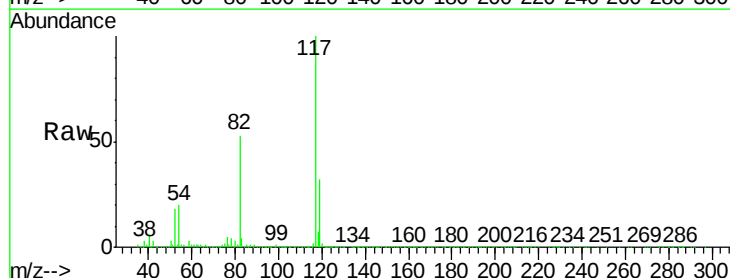
Tgt Ion: 117 Resp: 671407

Ion Ratio Lower Upper

117 100

82 53.4 41.8 62.6

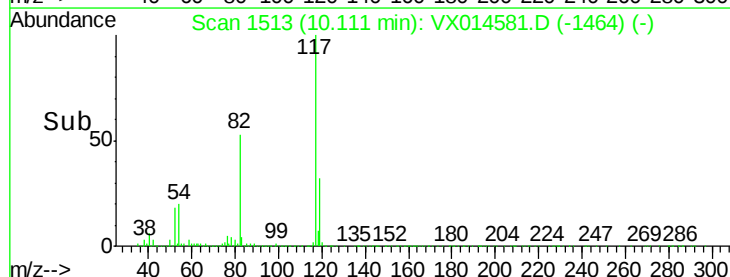
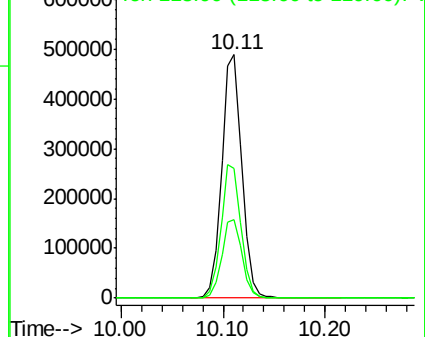
119 32.4 26.2 39.4

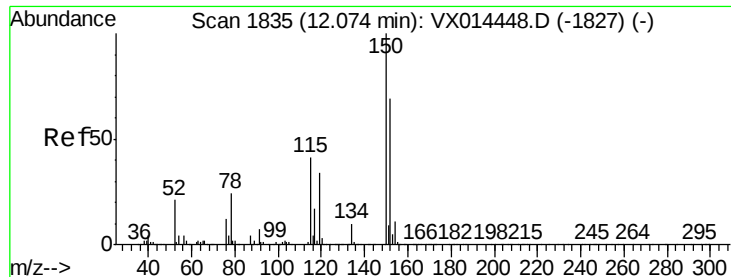


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



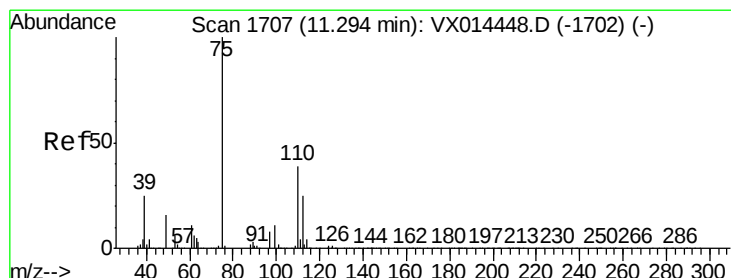
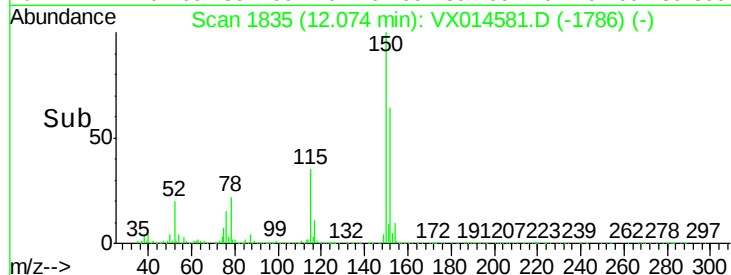
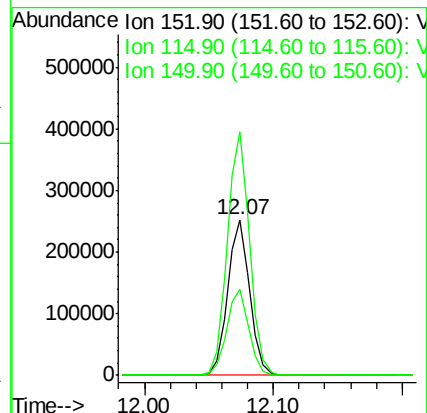
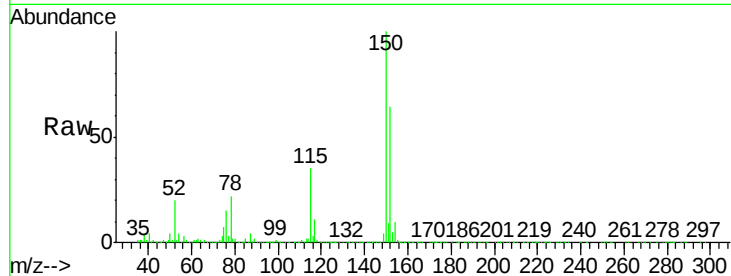


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014581.D
Acq: 13 Jan 2020 13:02

Instrument :
MSVOA_X
ClientSampleId :
CIY1-GW-02-13.5

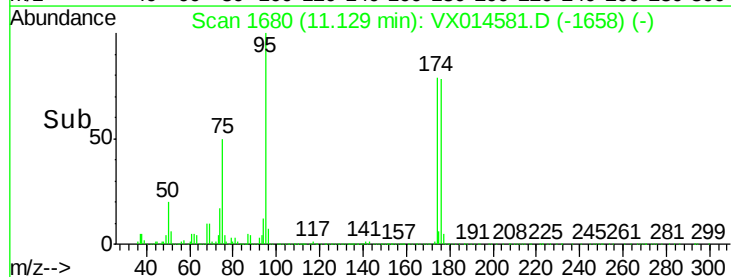
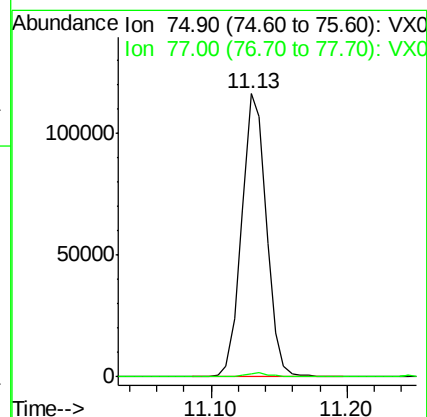
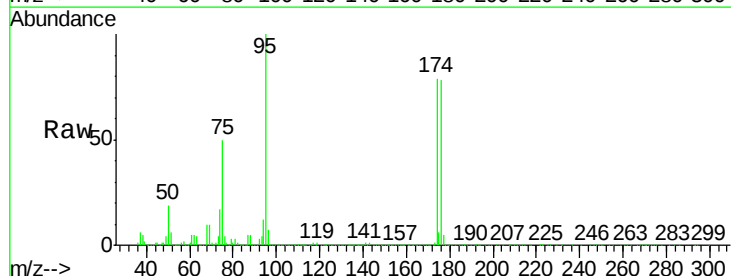
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	39.5	118.3
150	158.3	0.0	350.2

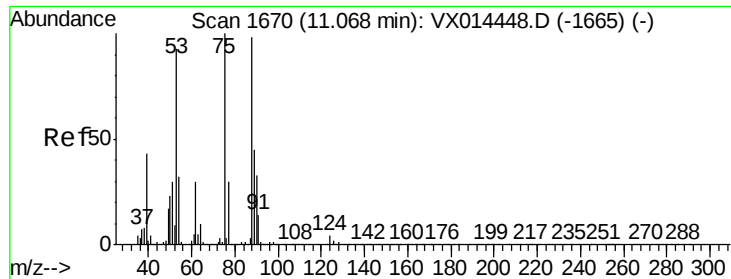


#76

1,2,3-Trichloropropane
Concen: 23.528 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014581.D
Acq: 13 Jan 2020 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	21.9	65.7#

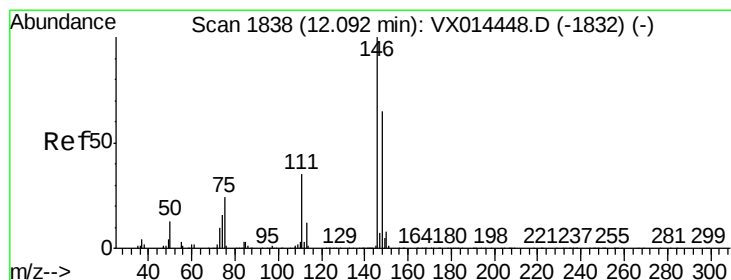
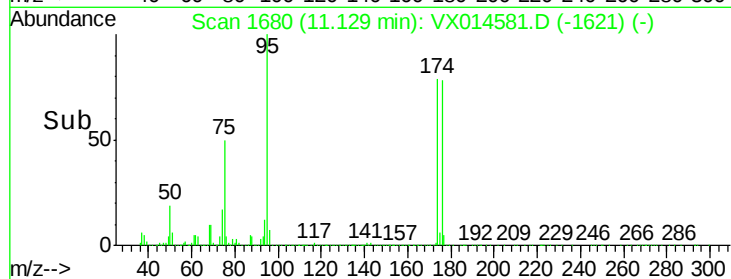
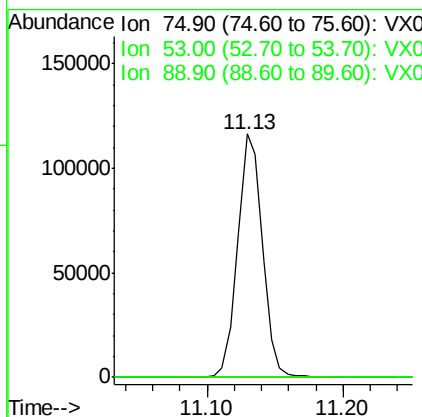
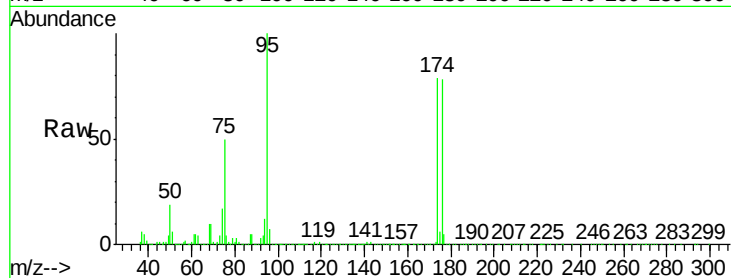




#81
trans-1,4-Dichloro-2-butene
Concen: 62.203 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014581.D
Acq: 13 Jan 2020 13:02

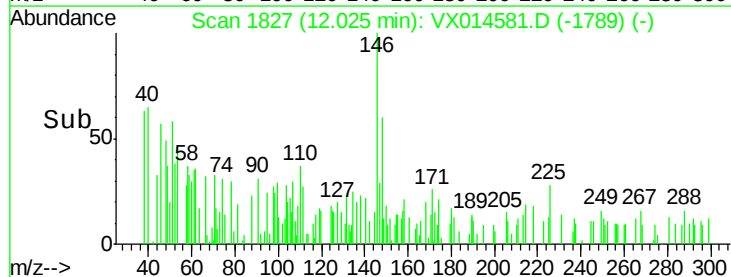
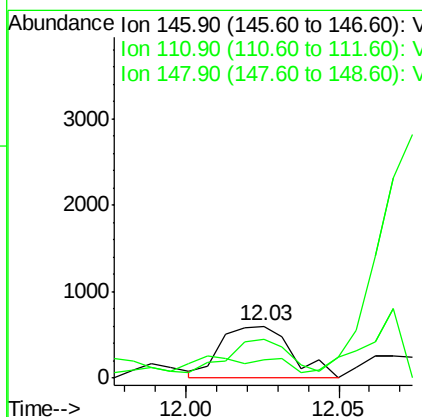
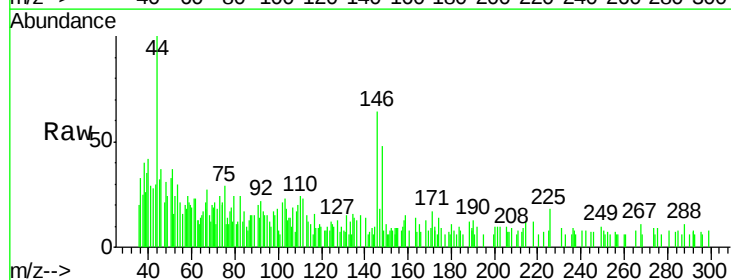
Instrument :
MSVOA_X
ClientSampleId :
CIY1-GW-02-13.5

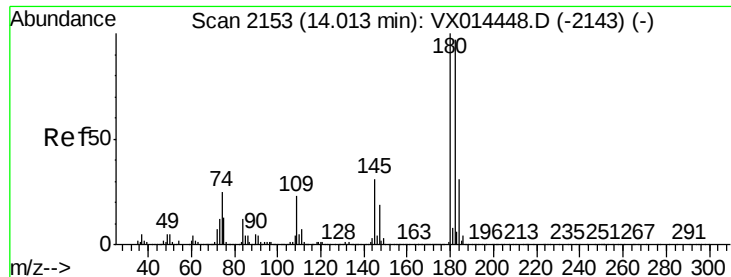
Tgt Ion: 75 Resp: 147528
Ion Ratio Lower Upper
75 100
53 0.1 74.8 112.2#
89 0.1 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.03 min Scan# 1827
Delta R.T. -0.07 min
Lab File: VX014581.D
Acq: 13 Jan 2020 13:02

Tgt Ion: 146 Resp: 967
Ion Ratio Lower Upper
146 100
111 36.0 18.1 54.1
148 55.6 32.1 96.3





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.23 min Scan# 2188
 Delta R.T. 0.21 min
 Lab File: VX014581.D
 Acq: 13 Jan 2020 13:02

Instrument :
 MSVOA_X
 ClientSampleId :
 CIY1-GW-02-13.5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.5	47.9	143.6
145	34.5	14.8	44.3

