

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX013120\
 Data File : VX014781.D
 Acq On : 31 Jan 2020 15:10
 Operator : JC/SP
 Sample : L1344-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Jan 31 16:39:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	423687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	657475	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	596254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	264525	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	248195	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	5.49	113	202066	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	8.71	98	784826	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.13	95	257828	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	

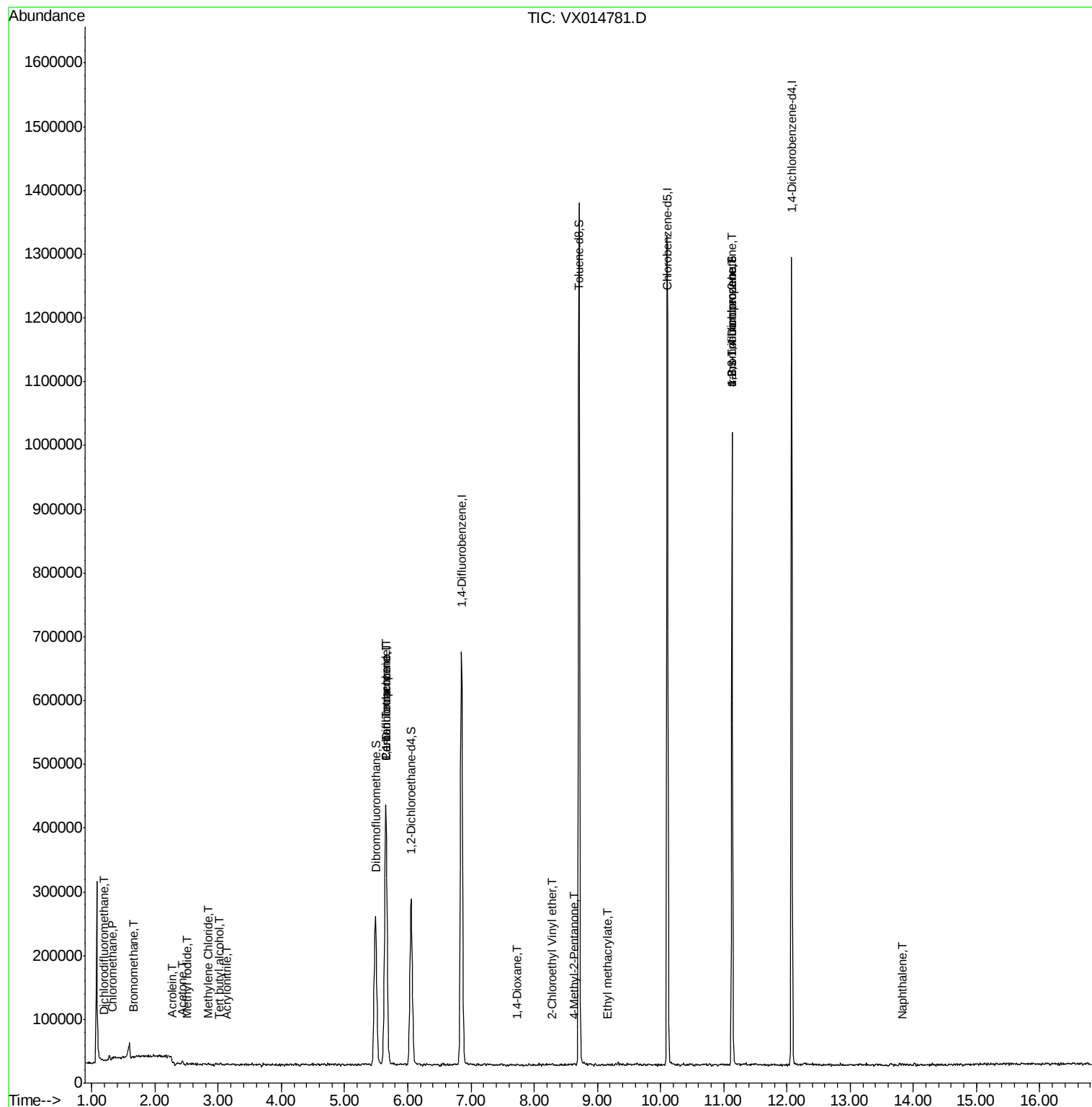
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	87	0.55	ug/l #	1
3) Chloromethane	1.32	50	1674	0.29	ug/l	94
5) Bromomethane	1.65	94	1503	0.36	ug/l	86
6) Chloroethane	1.73	64	2802	Below Cal	#	73
10) Methyl Iodide	2.51	142	2210	0.40	ug/l #	76
11) Tert butyl alcohol	3.01	59	478	0.43	ug/l #	1
13) Acrolein	2.28	56	514	0.59	ug/l	94
15) Acrylonitrile	3.13	53	853	0.33	ug/l #	75
16) Acetone	2.43	43	7870	3.05	ug/l	94
20) Methylene Chloride	2.84	84	1037	0.21	ug/l #	28
36) 1,1-Dichloropropene	5.65	75	29516	4.83	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37093	6.36	ug/l #	14
41) Methacrylonitrile	5.04	41	170	Below Cal	#	16
49) 1,4-Dioxane	7.73	88	70	0.60	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	1888	0.26	ug/l #	72
56) Ethyl methacrylate	9.15	69	265	1.82	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.29	63	717	0.30	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	129435	21.03	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	129435	59.85	ug/l #	10
95) Naphthalene	13.82	128	1502	1.01	ug/l #	74

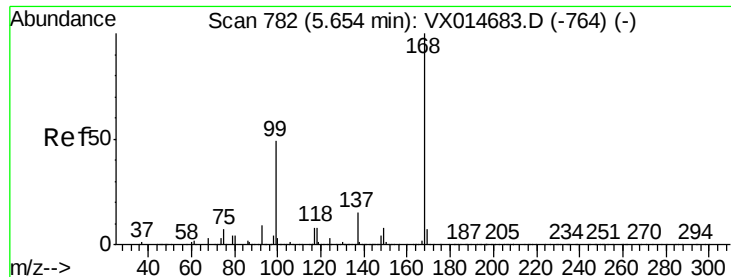
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX013120\
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STORAGE-BLANK-WATER-REF-5

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration

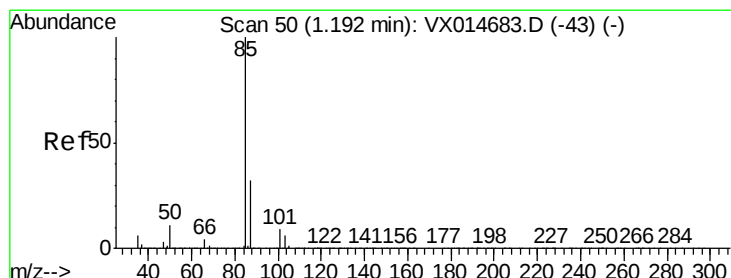
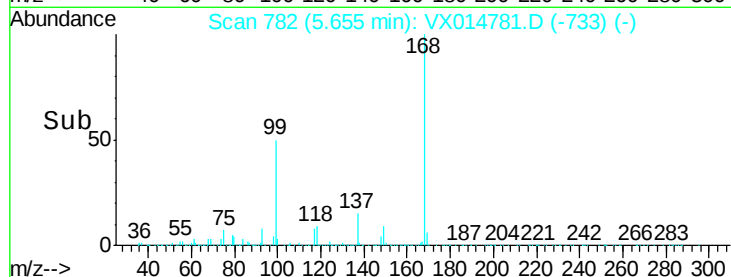
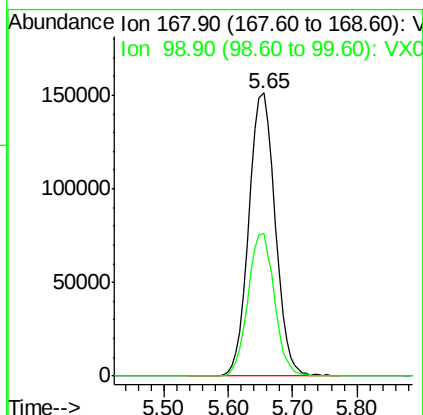
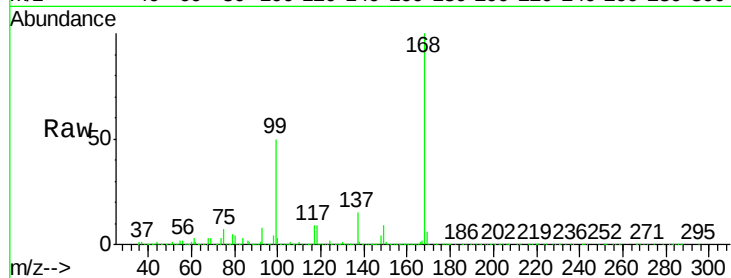




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX014781.D
Acq: 31 Jan 2020 15:10

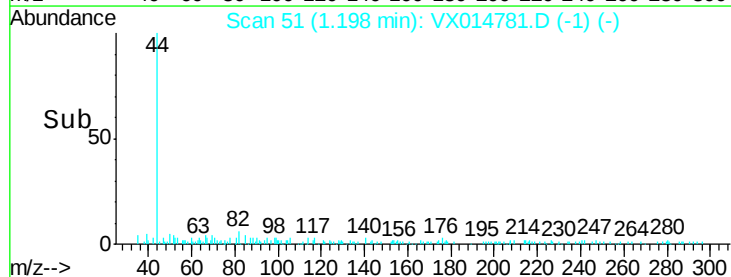
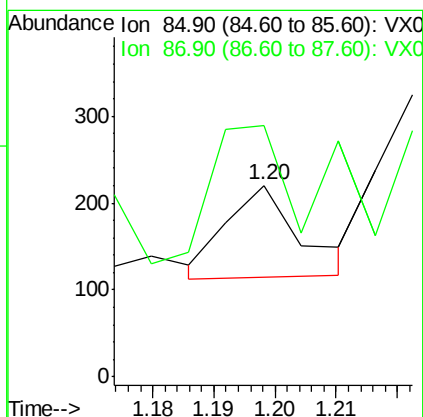
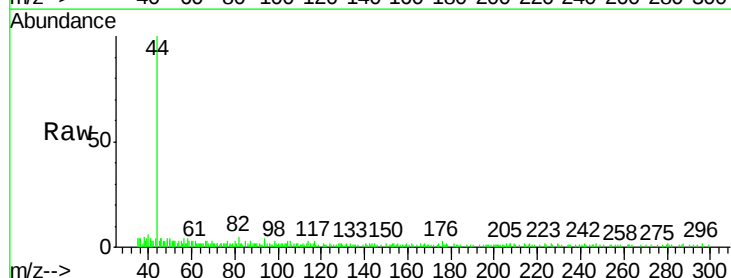
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

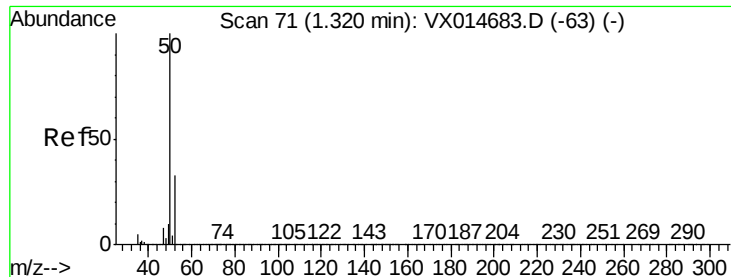
Tgt Ion:168 Resp: 423687
Ion Ratio Lower Upper
168 100
99 50.3 39.8 59.6



#2
Dichlorodifluoromethane
Concen: 0.55 ug/l
RT: 1.20 min Scan# 51
Delta R.T. 0.01 min
Lab File: VX014781.D
Acq: 31 Jan 2020 15:10

Tgt Ion: 85 Resp: 87
Ion Ratio Lower Upper
85 100
87 157.6 16.2 48.5#





#3

Chloromethane

Concen: 0.29 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

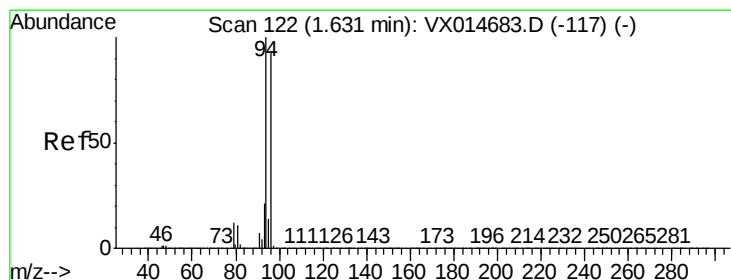
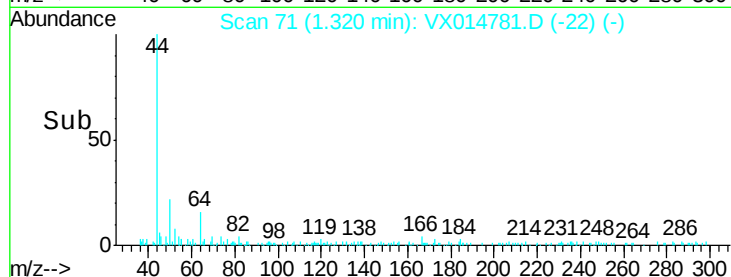
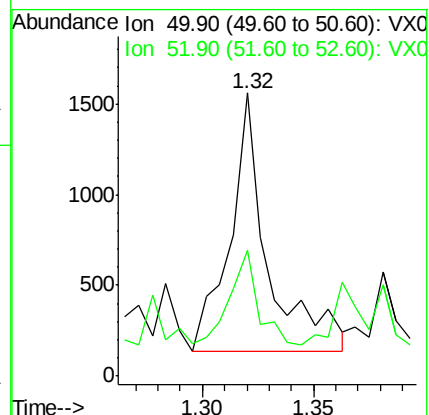
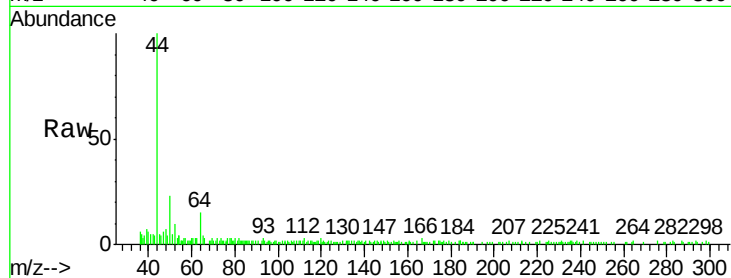
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 50 Resp: 1674

Ion Ratio Lower Upper

50 100

52 36.2 26.2 39.2



#5

Bromomethane

Concen: 0.36 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014781.D

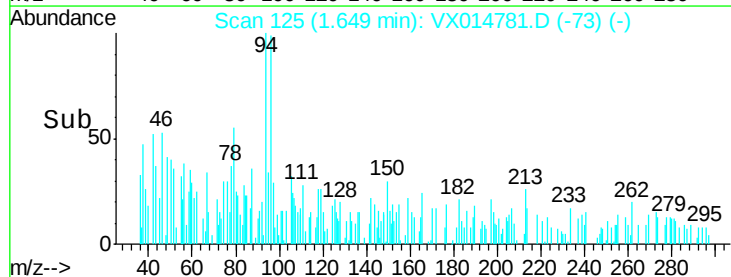
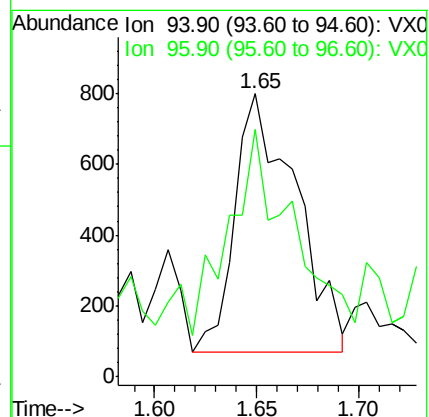
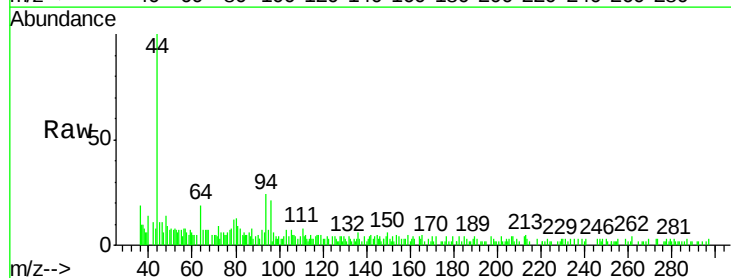
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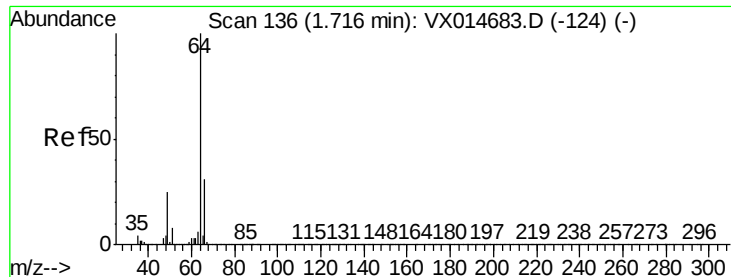
Tgt Ion: 94 Resp: 1503

Ion Ratio Lower Upper

94 100

96 79.8 74.7 112.1





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

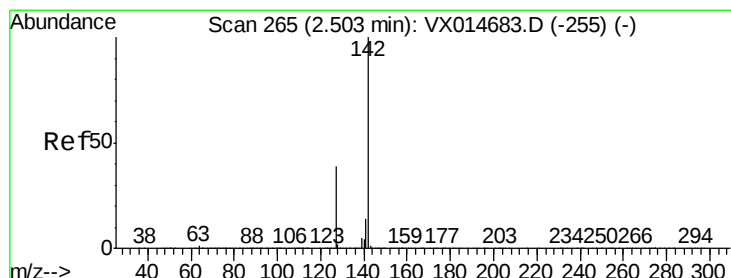
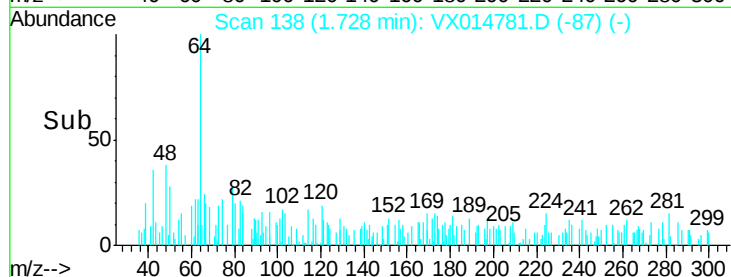
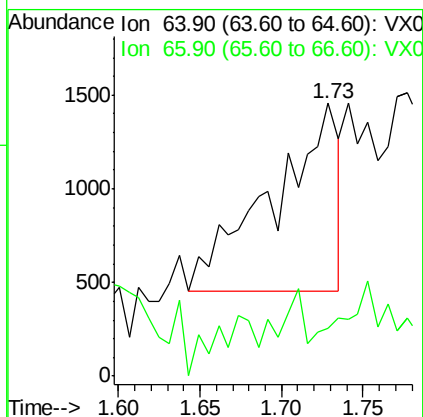
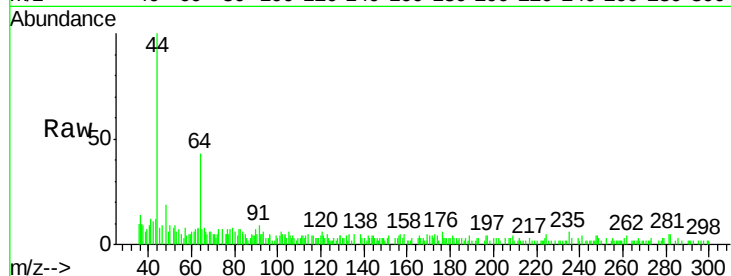
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 64 Resp: 2802

Ion Ratio Lower Upper

64 100

66 46.7 25.2 37.8#



#10

Methyl Iodide

Concen: 0.40 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

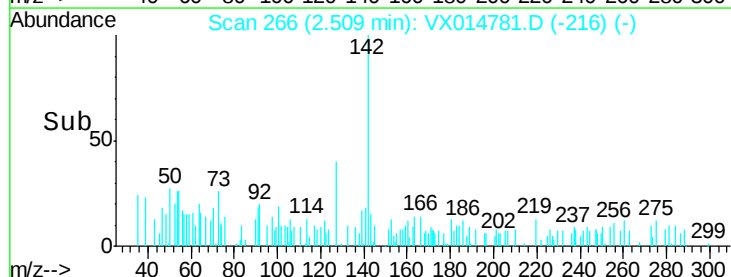
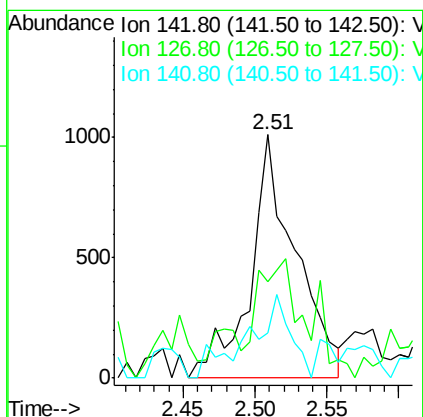
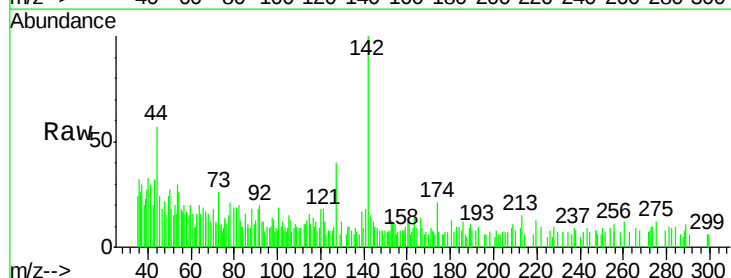
Tgt Ion: 142 Resp: 2210

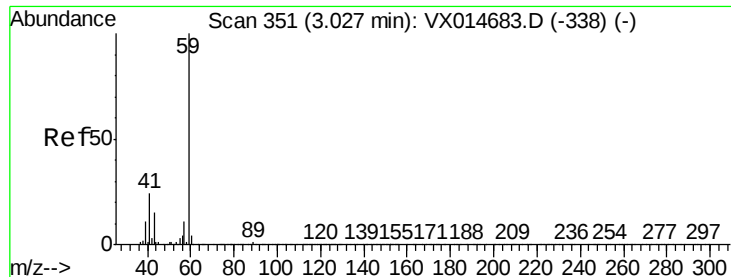
Ion Ratio Lower Upper

142 100

127 52.9 31.1 46.7#

141 25.5 11.3 16.9#



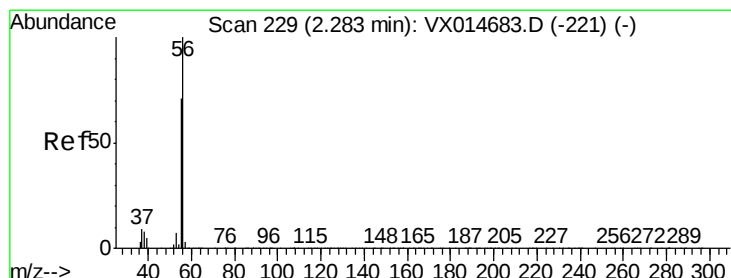
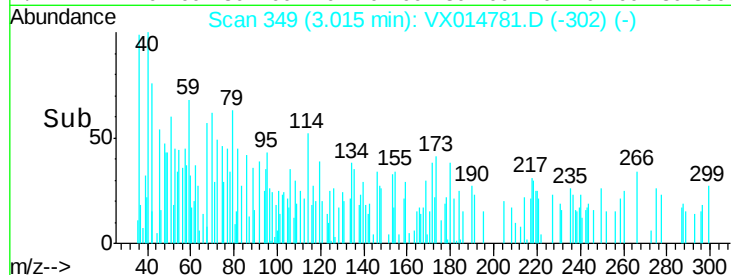
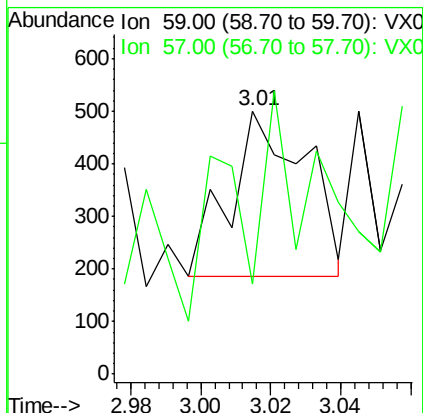
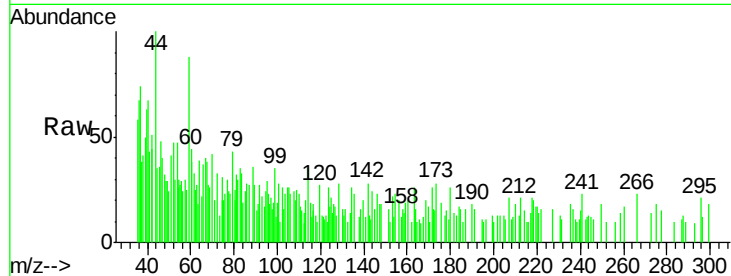


#11

Tert butyl alcohol
 Concen: 0.43 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VX014781.D
 Acq: 31 Jan 2020 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

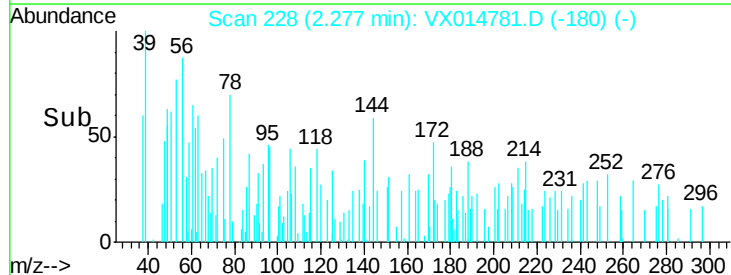
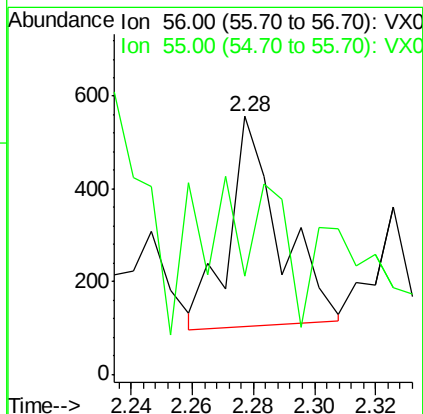
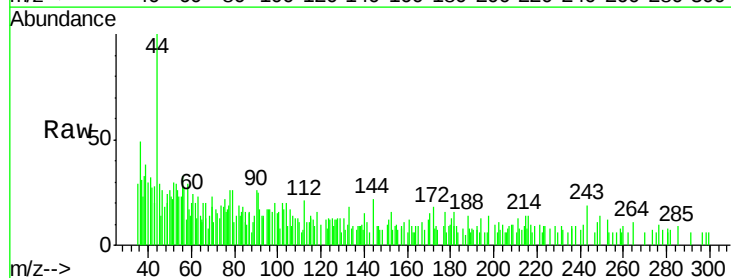
Tgt Ion: 59 Resp: 478
 Ion Ratio Lower Upper
 59 100
 57 80.1 8.3 12.5#

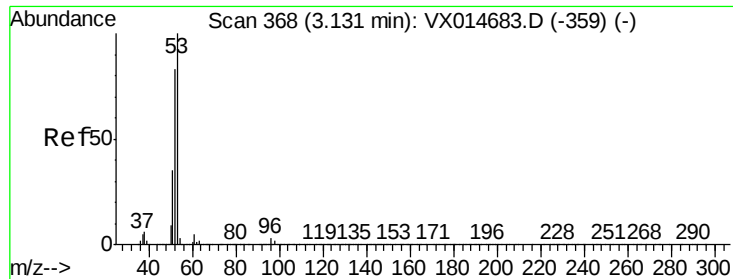


#13

Acrolein
 Concen: 0.59 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX014781.D
 Acq: 31 Jan 2020 15:10

Tgt Ion: 56 Resp: 514
 Ion Ratio Lower Upper
 56 100
 55 66.0 56.6 84.8





#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

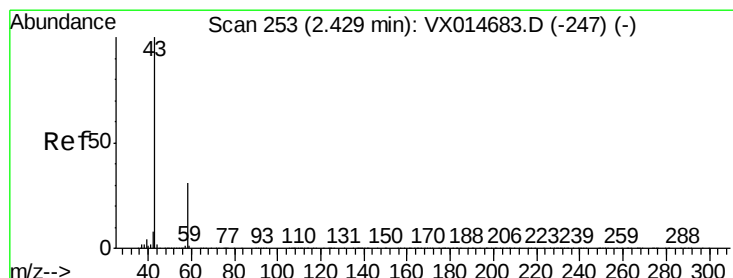
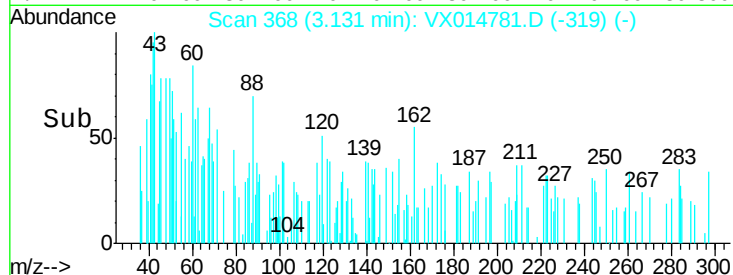
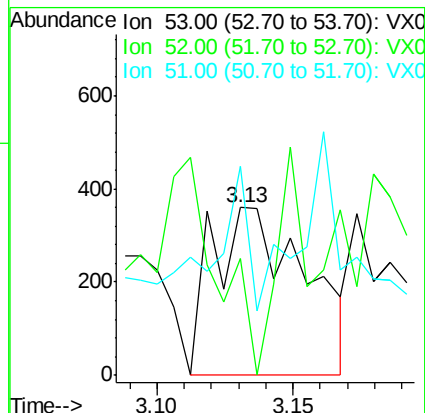
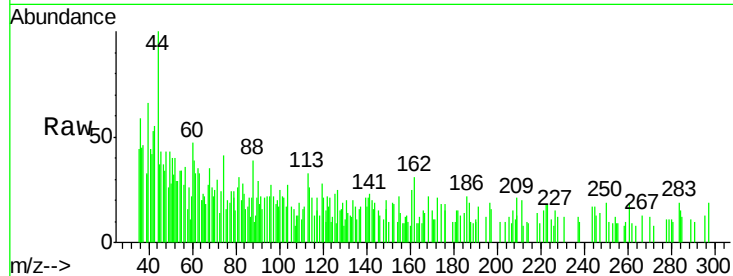
Tgt Ion: 53 Resp: 853

Ion Ratio Lower Upper

53 100

52 66.0 66.4 99.6#

51 12.5 28.7 43.1#



#16

Acetone

Concen: 3.05 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014781.D

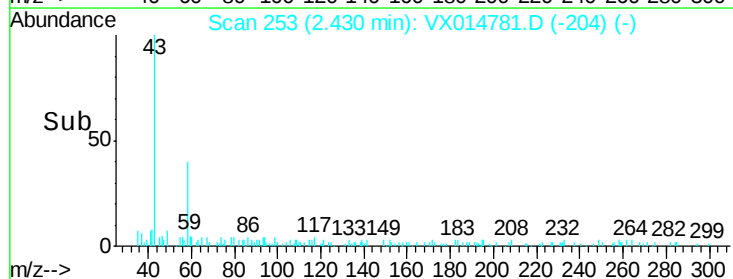
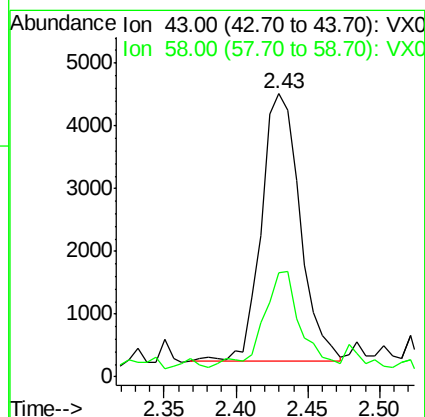
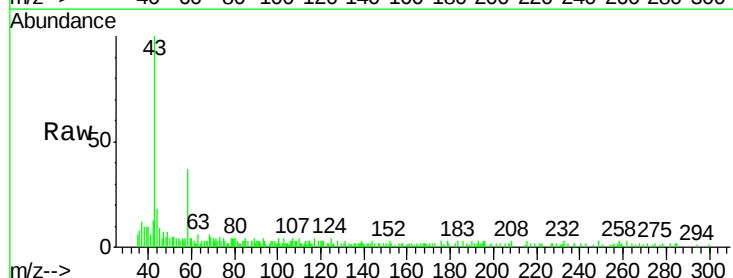
Acq: 31 Jan 2020 15:10

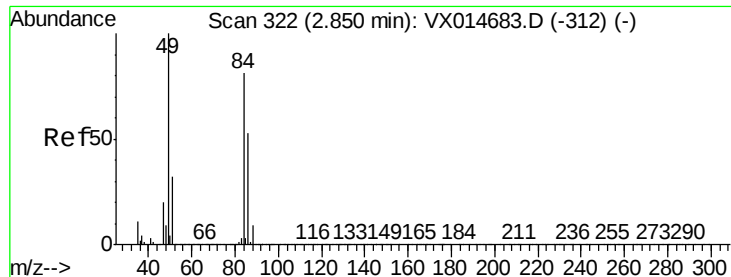
Tgt Ion: 43 Resp: 7870

Ion Ratio Lower Upper

43 100

58 33.8 24.5 36.7





#20

Methylene Chloride

Concen: 0.21 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tgt Ion: 84 Resp: 1037

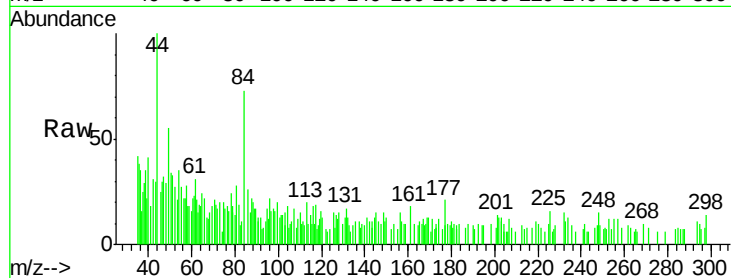
Ion Ratio Lower Upper

84 100

49 33.6 98.2 147.4#

51 0.0 31.3 46.9#

86 14.8 51.8 77.6#

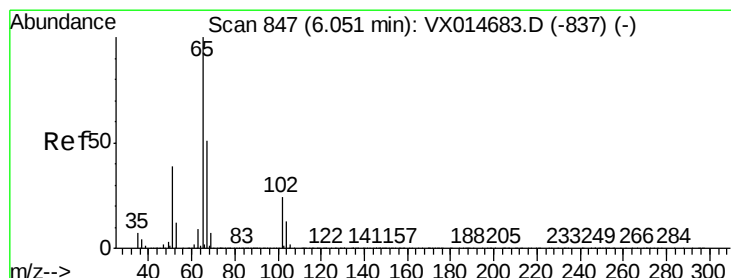
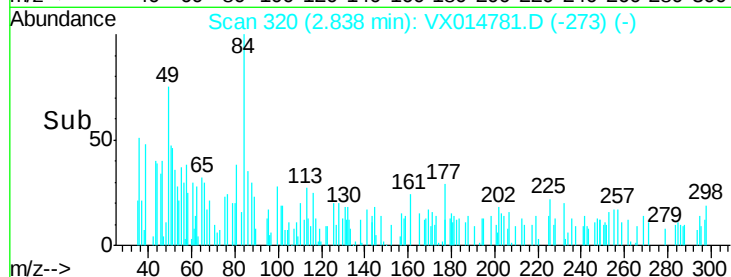
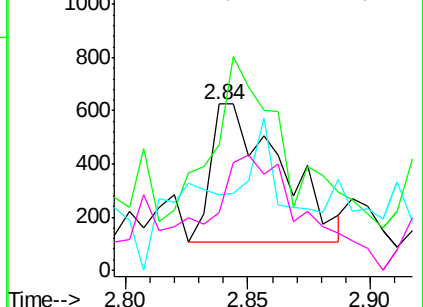


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.16 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014781.D

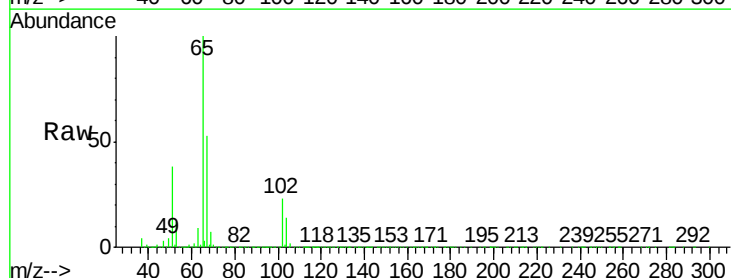
Acq: 31 Jan 2020 15:10

Tgt Ion: 65 Resp: 248195

Ion Ratio Lower Upper

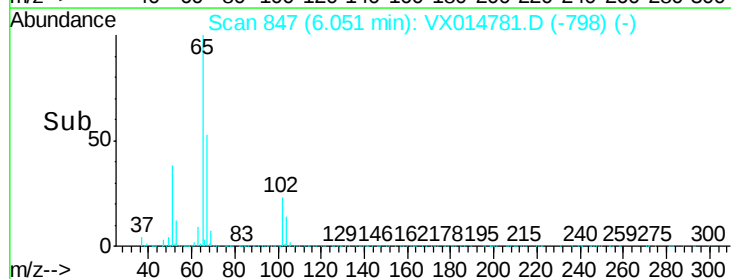
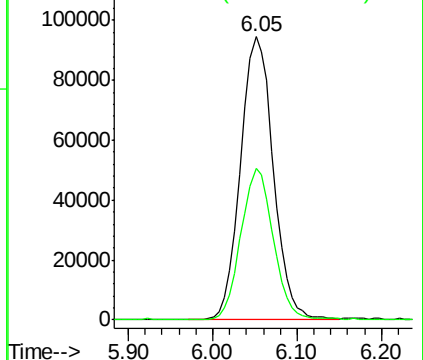
65 100

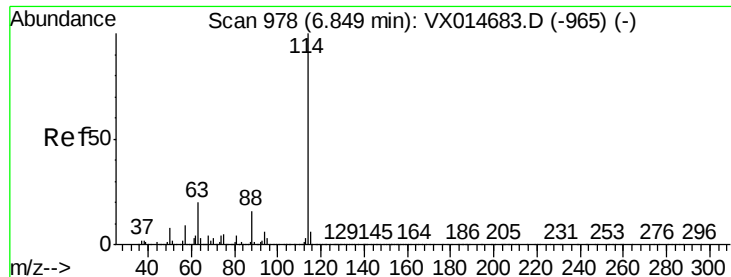
67 52.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

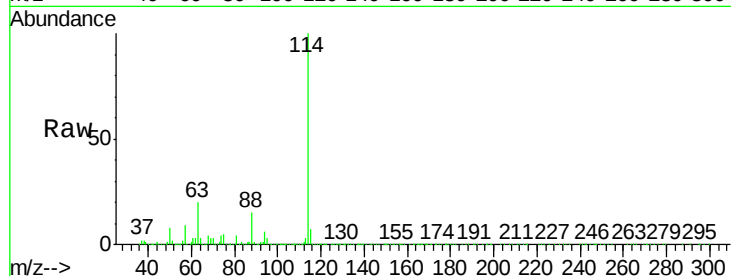
Tgt Ion:114 Resp: 657475

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

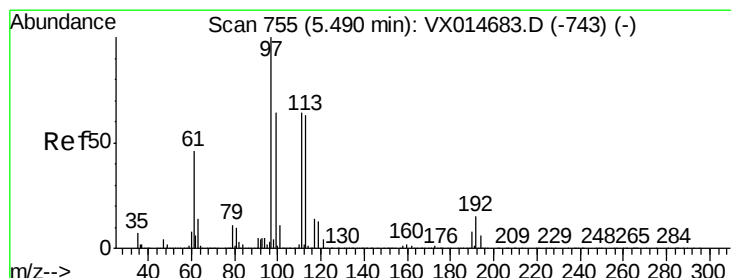
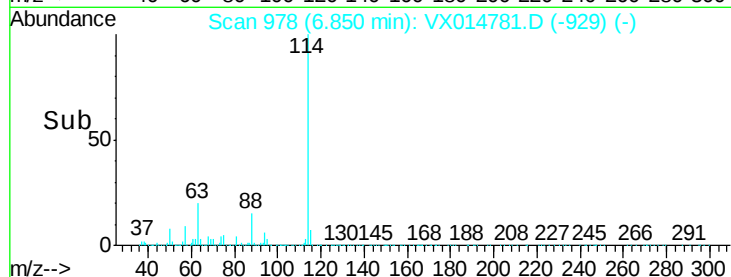
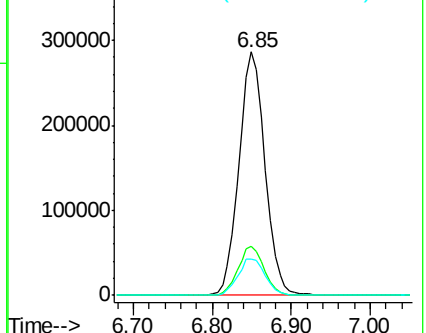
88 15.1 0.0 31.2



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



#35

Dibromofluoromethane

Concen: 48.71 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

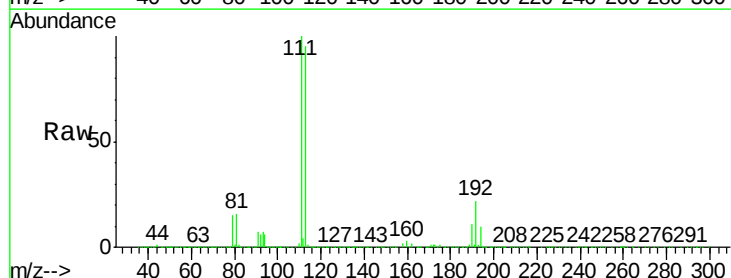
Tgt Ion:113 Resp: 202066

Ion Ratio Lower Upper

113 100

111 104.3 80.7 121.1

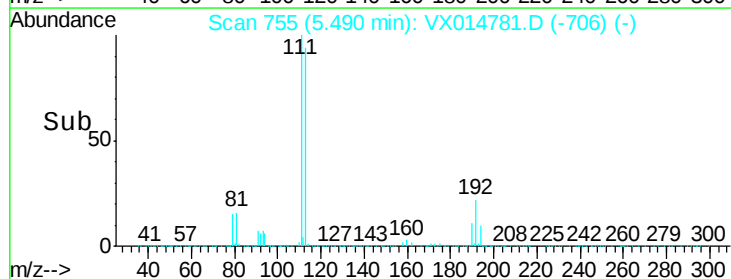
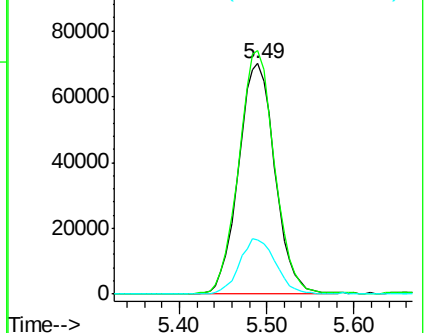
192 24.1 18.5 27.7

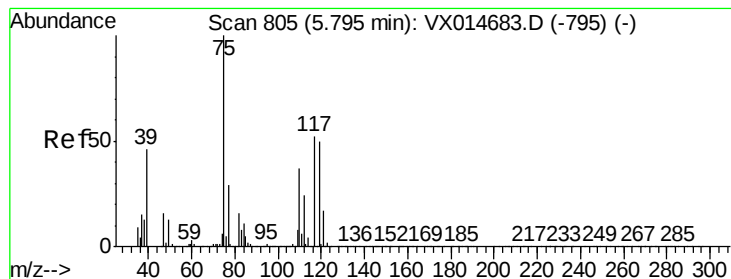


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.83 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

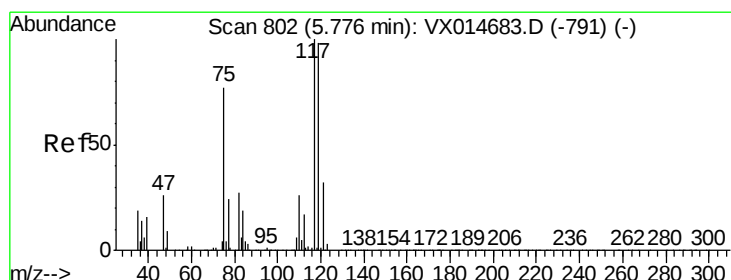
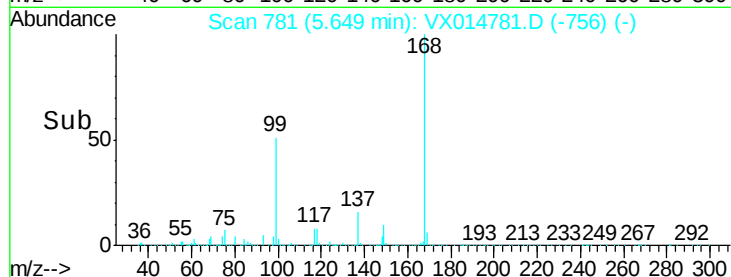
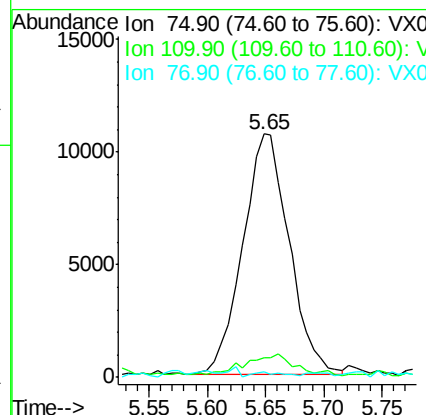
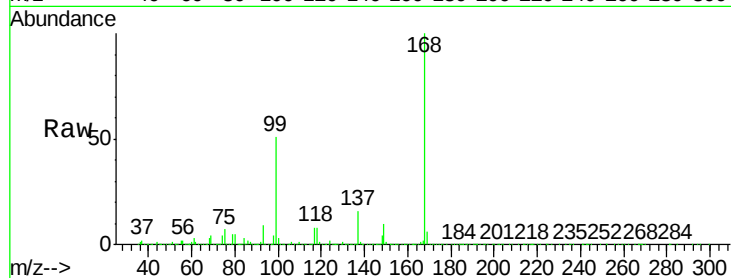
Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tgt Ion:	75	Resp:	29516
Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.9	53.7#
77	0.9	24.1	36.1#



#38

Carbon Tetrachloride

Concen: 6.36 ug/l

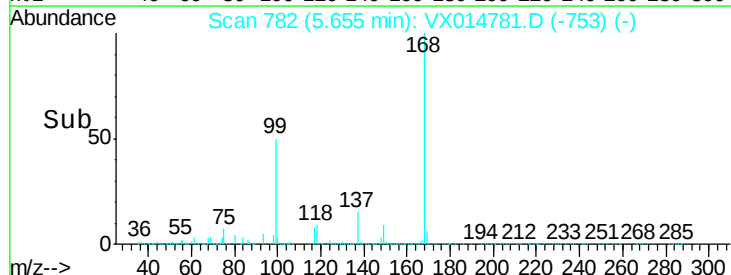
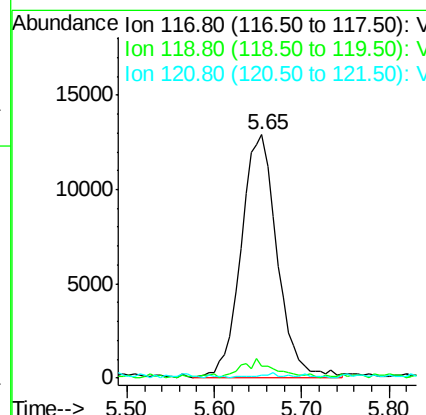
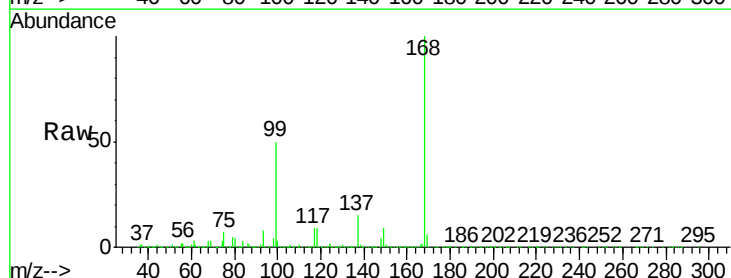
RT: 5.65 min Scan# 782

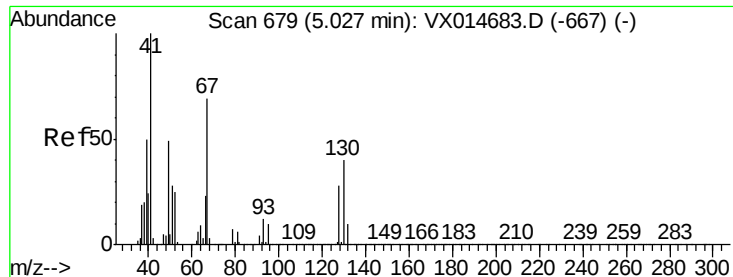
Delta R.T. -0.12 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Tgt Ion:	117	Resp:	37093
Ion	Ratio	Lower	Upper
117	100		
119	4.0	77.9	116.9#
121	0.0	25.4	38.2#





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.04 min Scan# 681

Delta R.T. 0.01 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tgt Ion: 41 Resp: 170

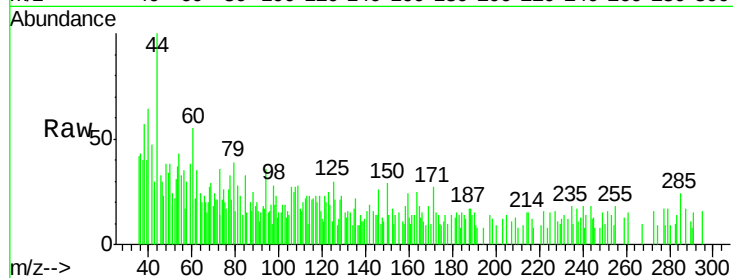
Ion Ratio Lower Upper

41 100

39 122.9 42.2 63.2#

67 0.0 55.4 83.0#

52 0.0 22.1 33.1#

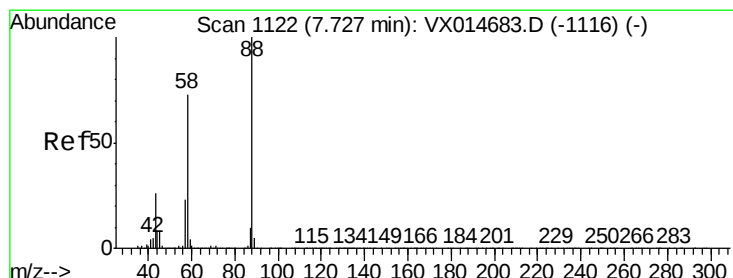
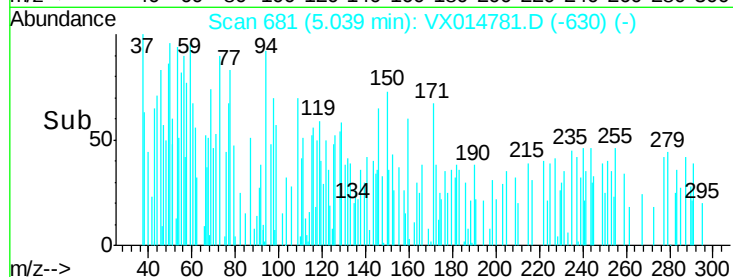
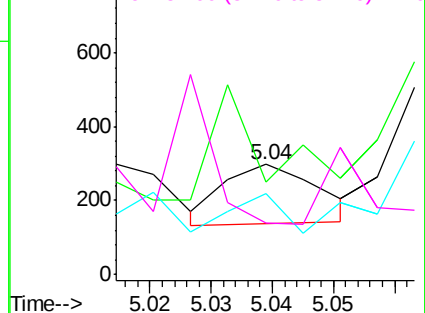


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#49

1,4-Dioxane

Concen: 0.60 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

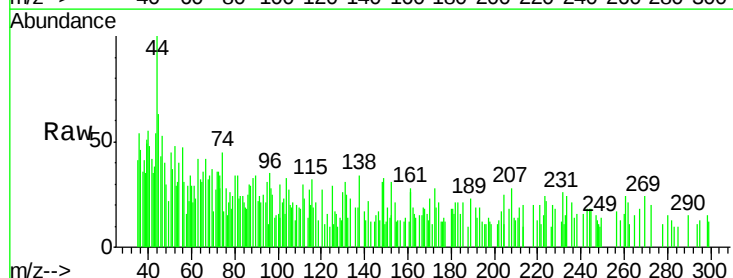
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 282.9 26.2 39.2#

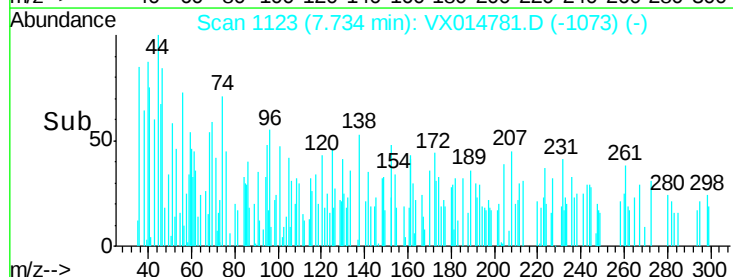
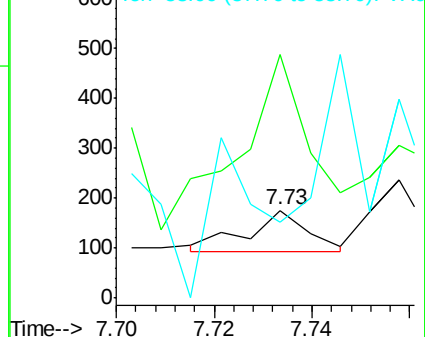
58 345.7 56.6 85.0#

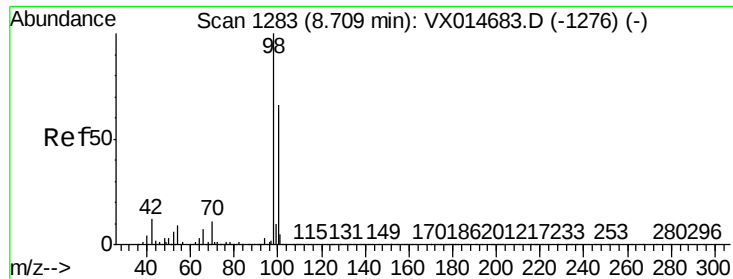


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

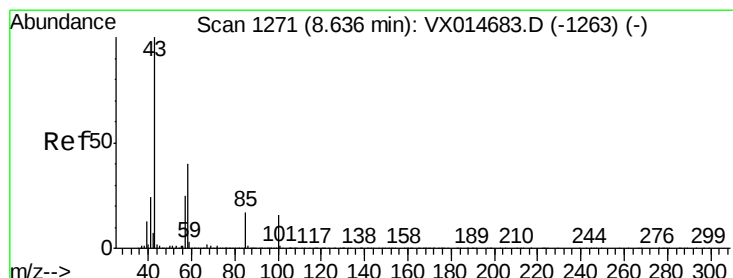
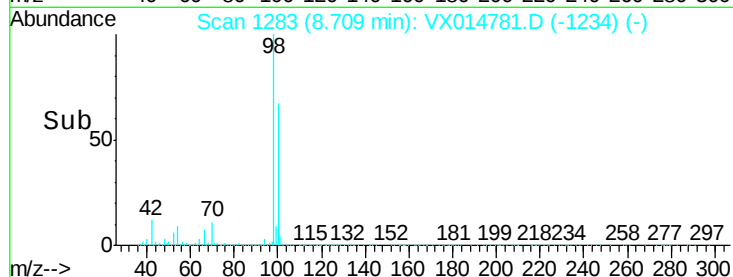
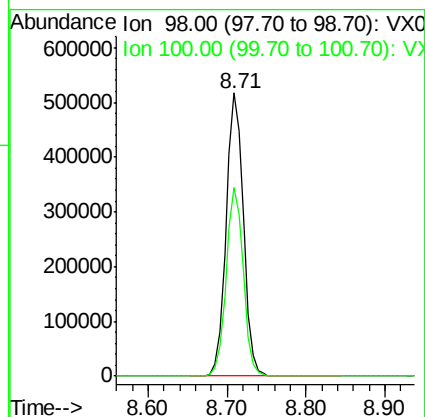
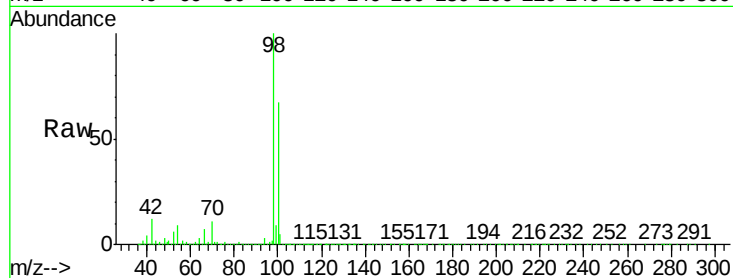




#50
Toluene-d8
Concen: 49.21 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014781.D
Acq: 31 Jan 2020 15:10

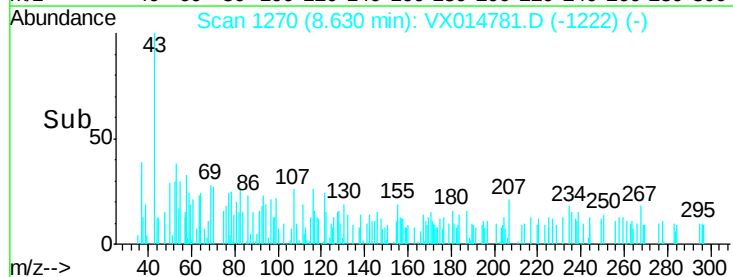
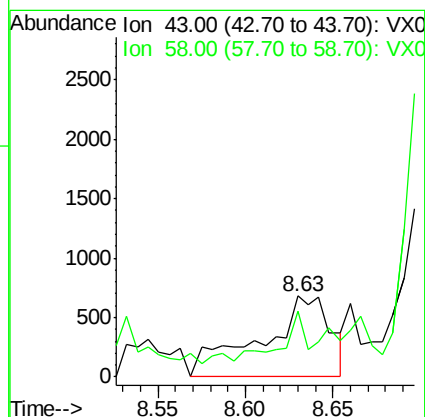
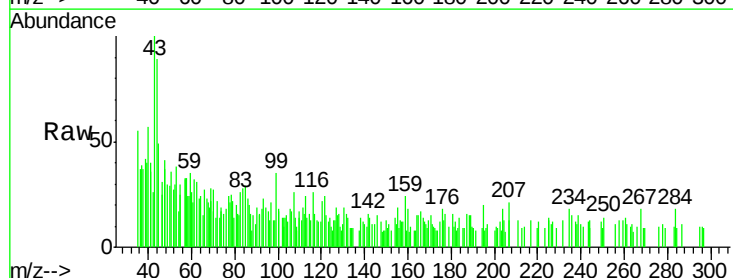
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

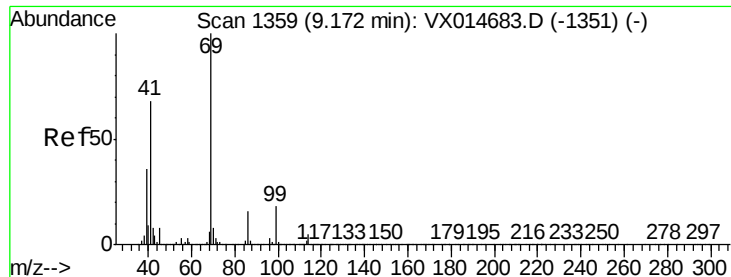
Tgt Ion: 98 Resp: 784826
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014781.D
Acq: 31 Jan 2020 15:10

Tgt Ion: 43 Resp: 1888
Ion Ratio Lower Upper
43 100
58 22.4 31.6 47.4#





#56

Ethyl methacrylate

Concen: 1.82 ug/l

RT: 9.15 min Scan# 1356

Delta R.T. -0.02 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

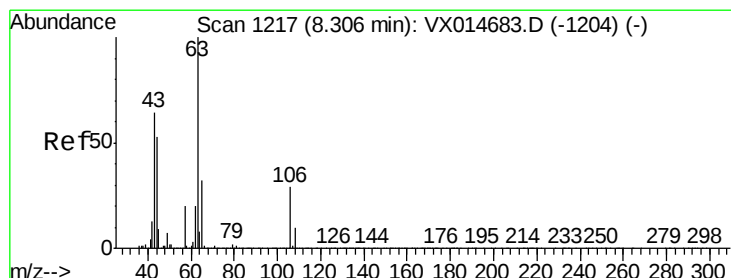
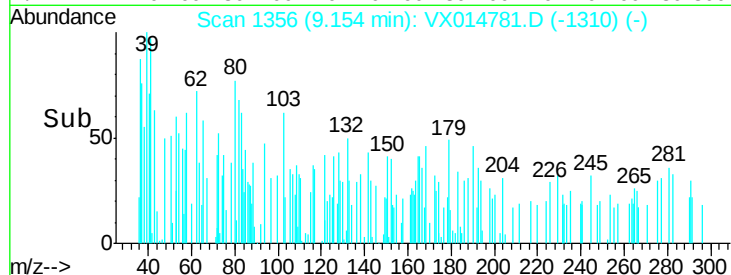
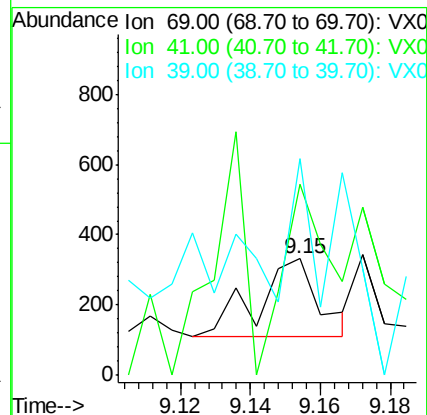
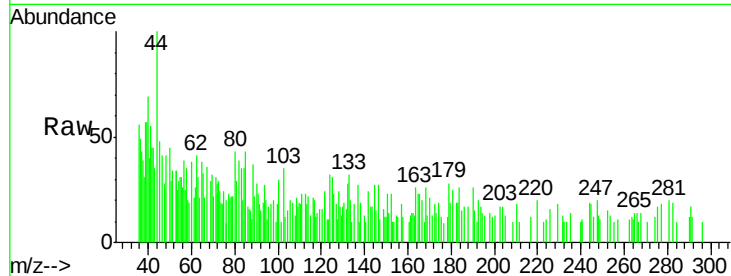
Tgt Ion: 69 Resp: 265

Ion Ratio Lower Upper

69 100

41 196.2 54.9 82.3#

39 233.6 29.3 43.9#



#58

2-Chloroethyl Vinyl ether

Concen: 0.30 ug/l

RT: 8.29 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VX014781.D

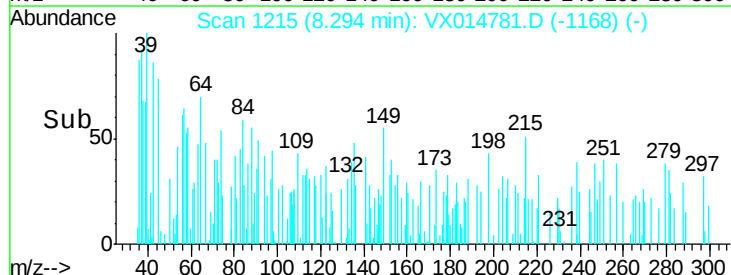
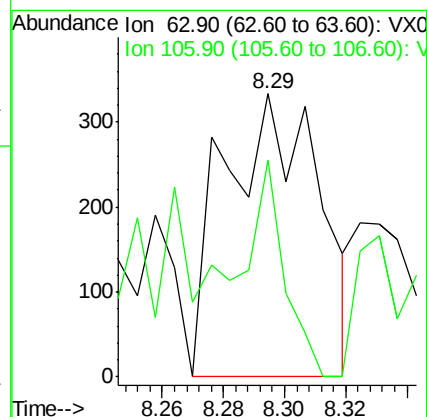
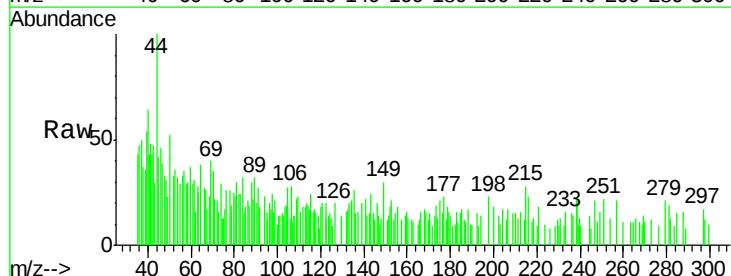
Acq: 31 Jan 2020 15:10

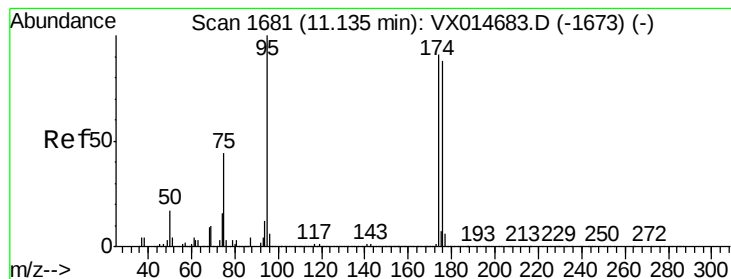
Tgt Ion: 63 Resp: 717

Ion Ratio Lower Upper

63 100

106 27.1 22.7 34.1





#62

4-Bromofluorobenzene

Concen: 45.38 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

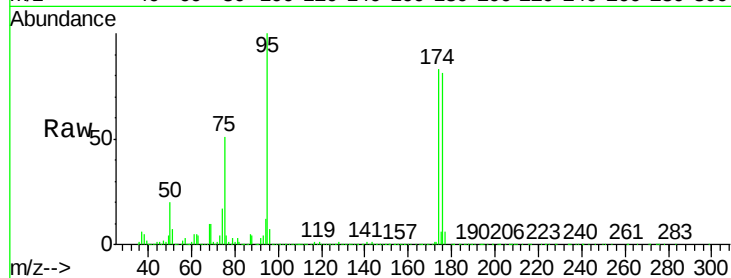
Tgt Ion: 95 Resp: 257828

Ion Ratio Lower Upper

95 100

174 90.6 0.0 176.0

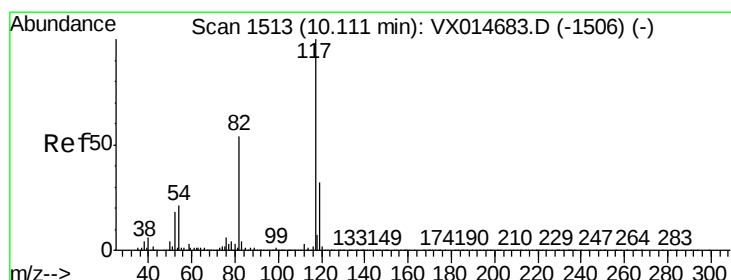
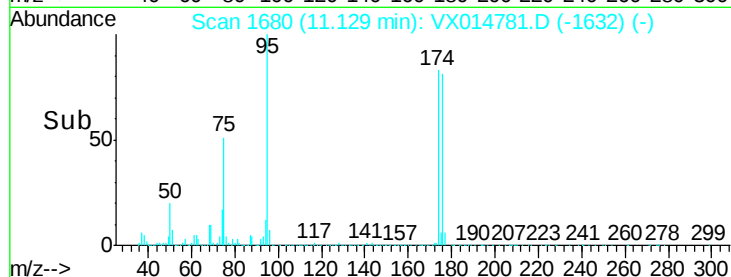
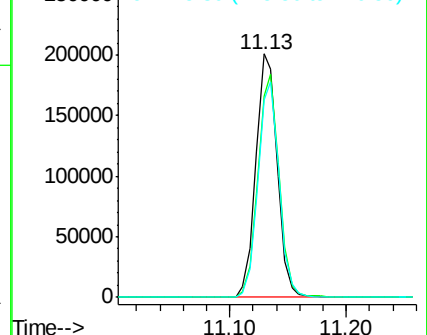
176 87.3 0.0 172.2



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: 50.00 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

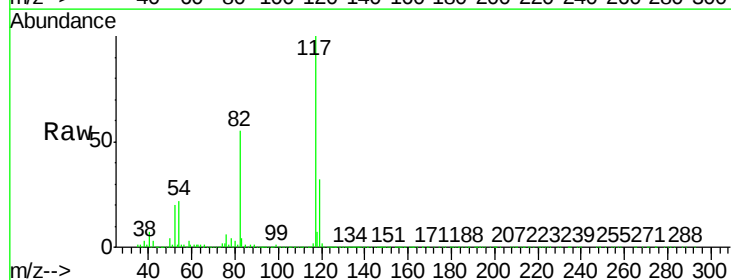
Tgt Ion: 117 Resp: 596254

Ion Ratio Lower Upper

117 100

82 54.9 43.2 64.8

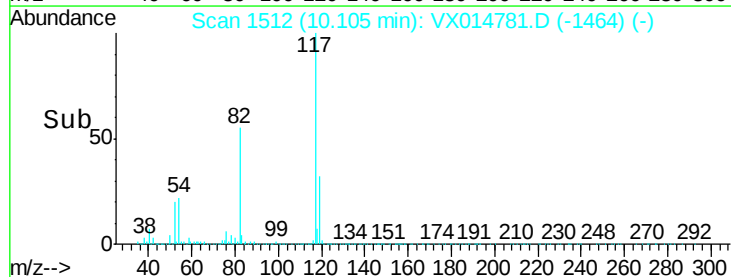
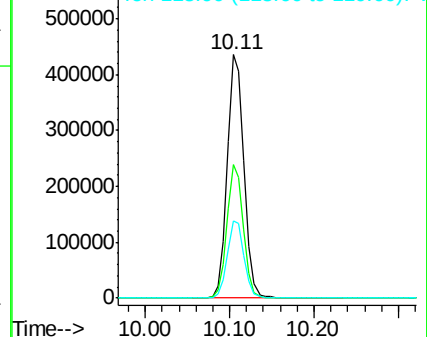
119 31.9 25.8 38.6

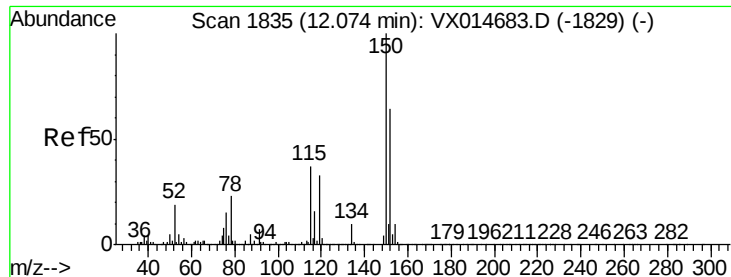


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

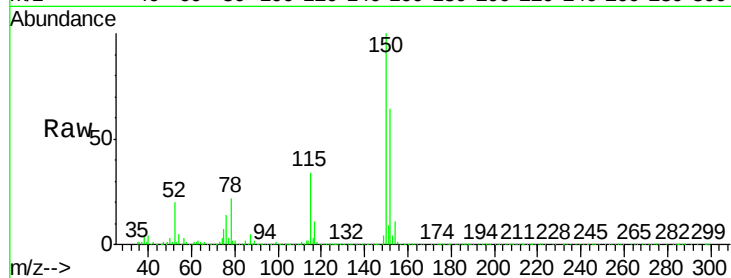
Tgt Ion:152 Resp: 264525

Ion Ratio Lower Upper

152 100

115 55.5 39.4 118.1

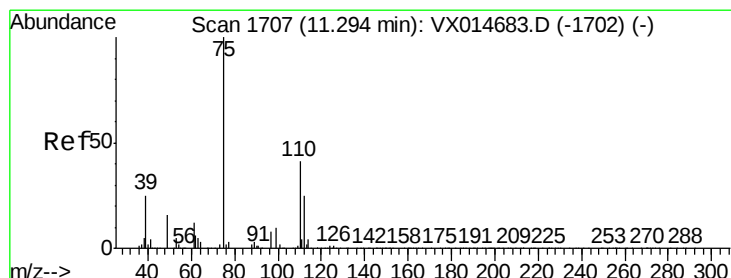
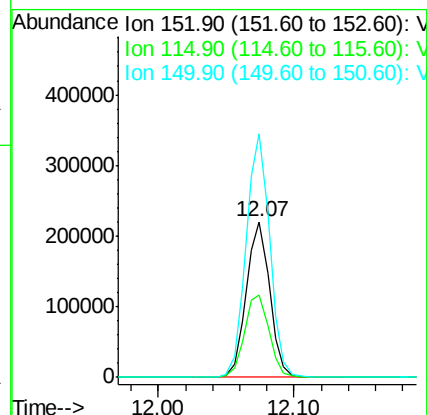
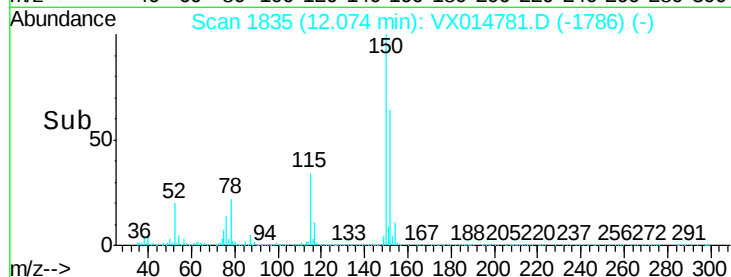
150 157.5 0.0 351.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.03 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014781.D

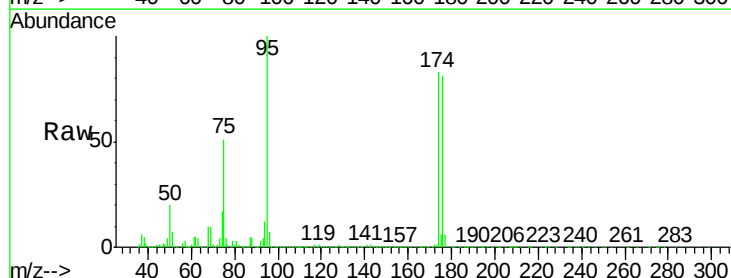
Acq: 31 Jan 2020 15:10

Tgt Ion: 75 Resp: 129435

Ion Ratio Lower Upper

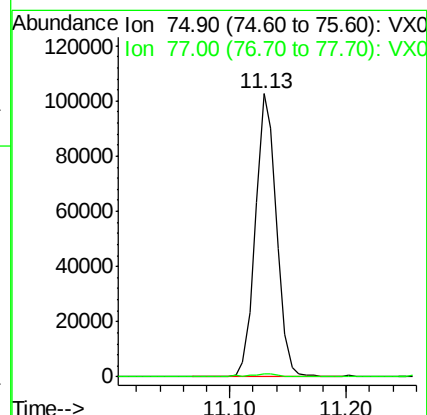
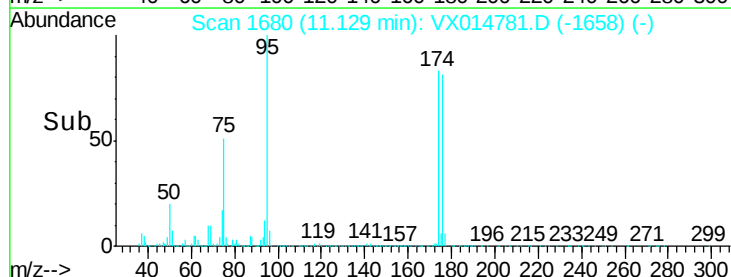
75 100

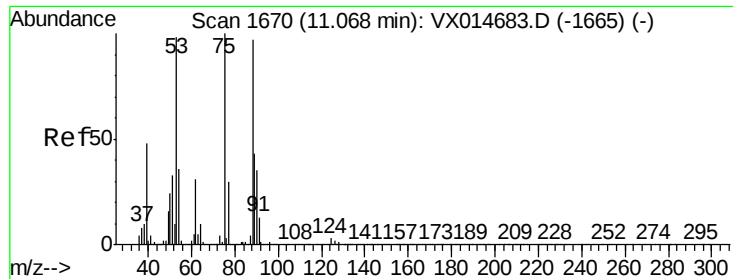
77 1.4 18.7 56.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.85 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

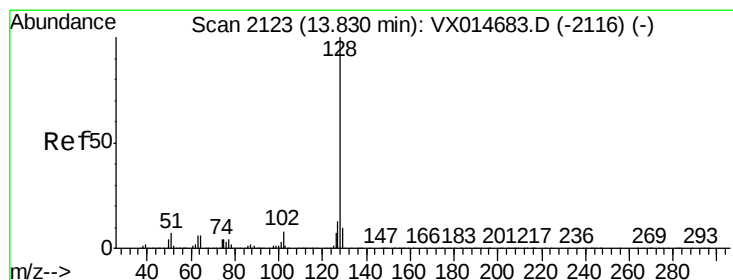
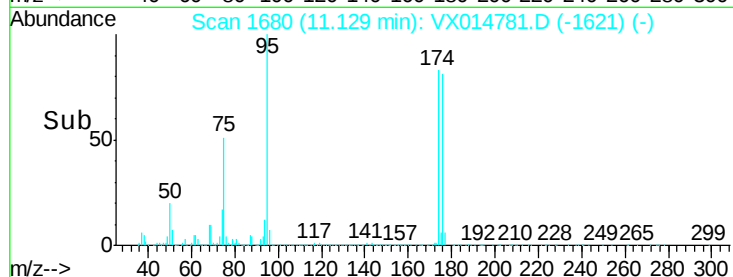
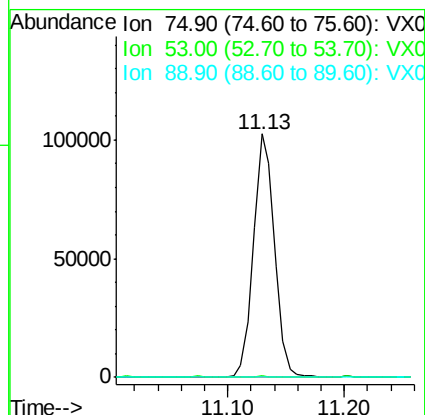
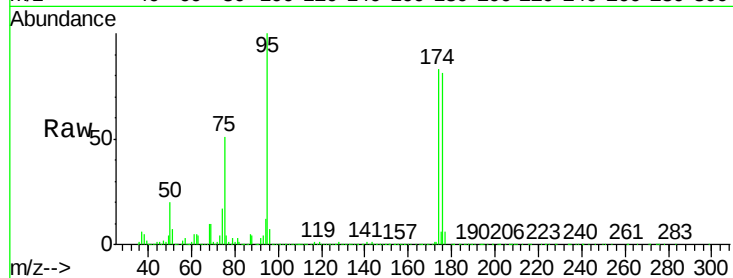
Tgt Ion: 75 Resp: 129435

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.0 35.4 53.0#



#95

Naphthalene

Concen: 1.01 ug/l

RT: 13.82 min Scan# 2122

Delta R.T. -0.01 min

Lab File: VX014781.D

Acq: 31 Jan 2020 15:10

Tgt Ion: 128 Resp: 1502

Ion Ratio Lower Upper

128 100

127 31.3 10.3 15.5#

129 10.2 8.6 12.8

