

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012420\
 Data File : VX014702.D
 Acq On : 24 Jan 2020 17:19
 Operator : JC/SP
 Sample : L1250-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jan 24 22:33:42 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	434040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	677912	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	619028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	282174	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	249741	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
35) Dibromofluoromethane	5.49	113	203371	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	8.71	98	816383	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.14	95	273034	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

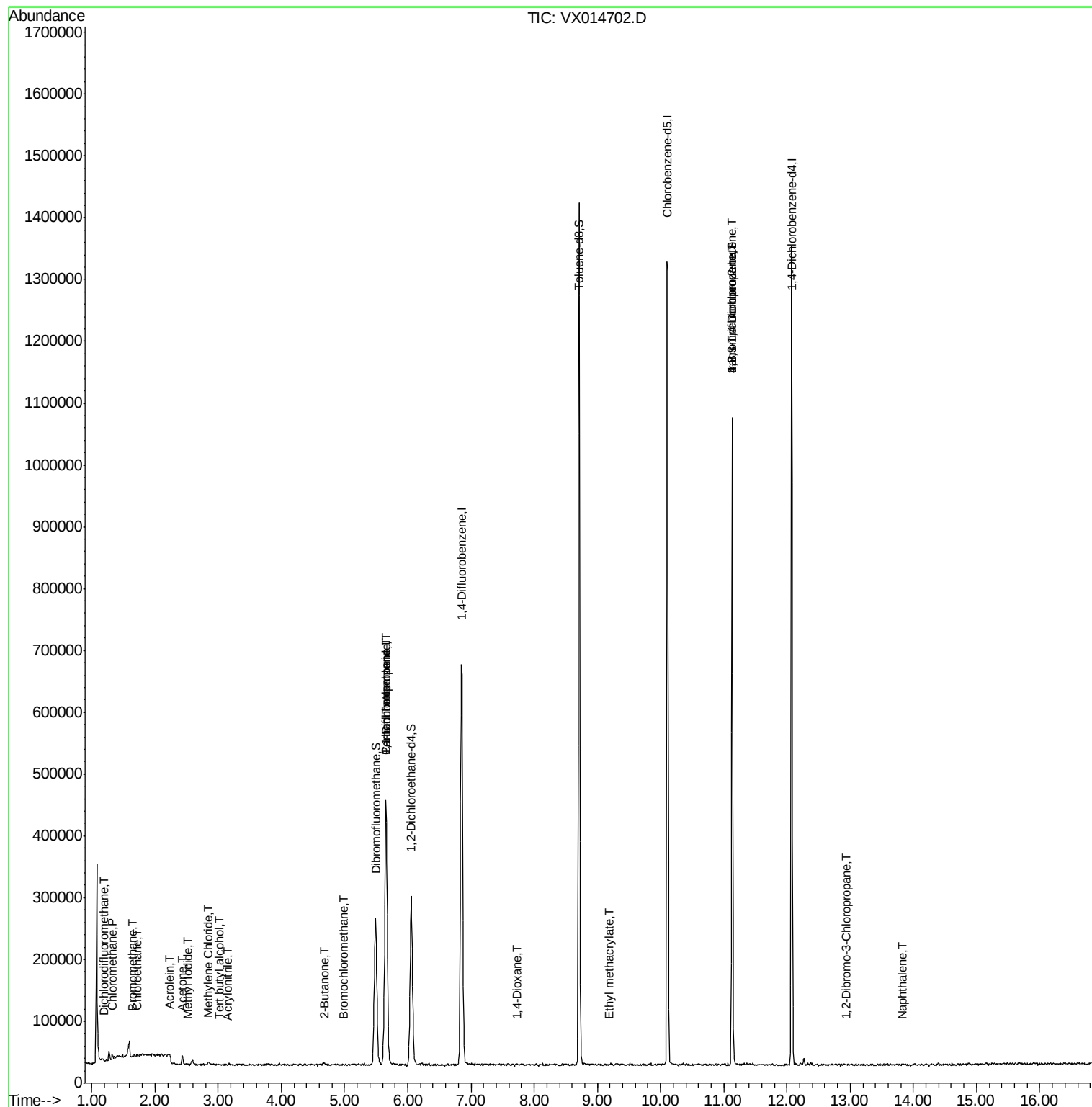
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	140	0.555	ug/l #	49
3) Chloromethane	1.32	50	1549	0.264	ug/l #	87
5) Bromomethane	1.65	94	1119	0.259	ug/l #	36
6) Chloroethane	1.72	64	6265	0.351	ug/l #	52
10) Methyl Iodide	2.53	142	1985	0.349	ug/l #	56
11) Tert butyl alcohol	3.03	59	298	0.262	ug/l #	1
13) Acrolein	2.24	56	392	0.437	ug/l	95
15) Acrylonitrile	3.15	53	649	0.246	ug/l #	79
16) Acetone	2.44	43	16001	5.907	ug/l #	86
20) Methylene Chloride	2.84	84	2703	0.526	ug/l #	90
25) 2-Butanone	4.68	43	3605	0.906	ug/l #	77
28) Bromochloromethane	4.98	49	754	0.205	ug/l #	40
36) 1,1-Dichloropropene	5.65	75	29129	4.624	ug/l #	53
38) Carbon Tetrachloride	5.65	117	39387	6.547	ug/l #	17
41) Methacrylonitrile	5.01	41	158	Below Cal	#	1
49) 1,4-Dioxane	7.73	88	342	2.858	ug/l #	41
56) Ethyl methacrylate	9.18	69	308	1.820	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	135440	20.631	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	135440	58.711	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.95	75	357	0.235	ug/l	63
95) Naphthalene	13.83	128	1935	1.028	ug/l #	72

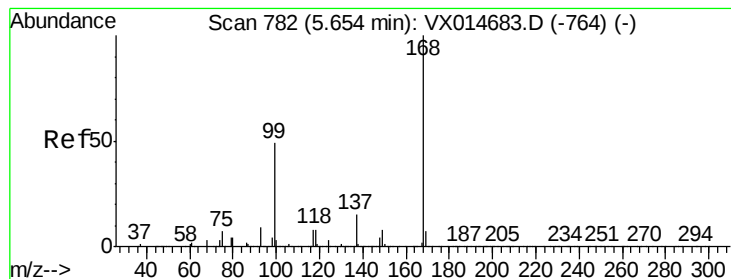
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012420\
Data File : VX014702.D
Acq On : 24 Jan 2020 17:19
Operator : JC/SP
Sample : L1250-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jan 24 22:33:42 2020
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: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

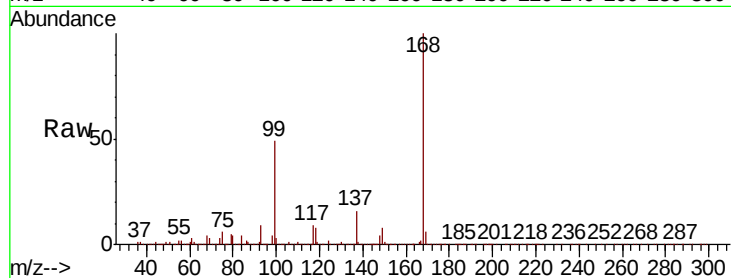
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 434040

Ion Ratio Lower Upper

168 100

99 49.1 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

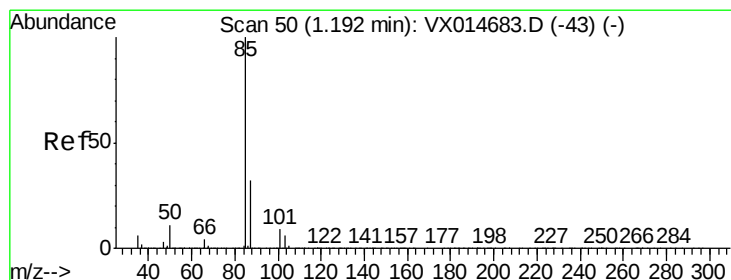
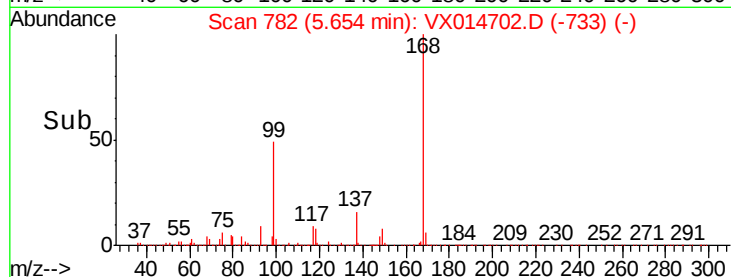
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.555 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014702.D

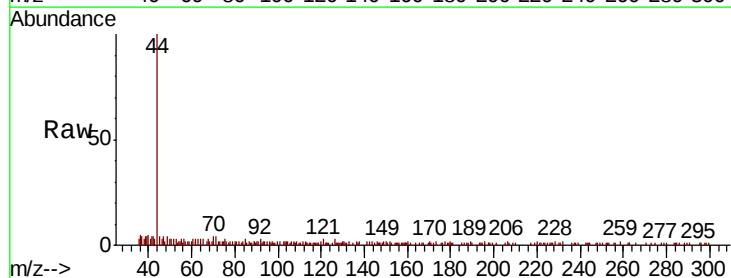
Acq: 24 Jan 2020 17:19

Tgt Ion: 85 Resp: 140

Ion Ratio Lower Upper

85 100

87 60.6 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

300

250

200

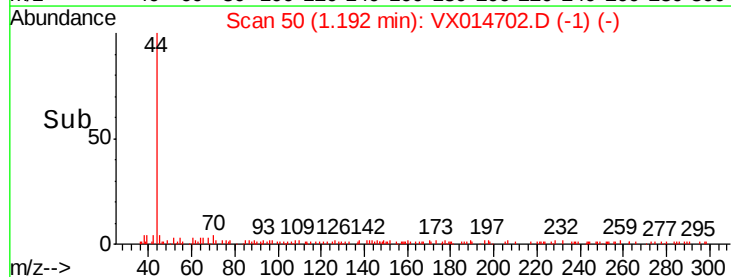
150

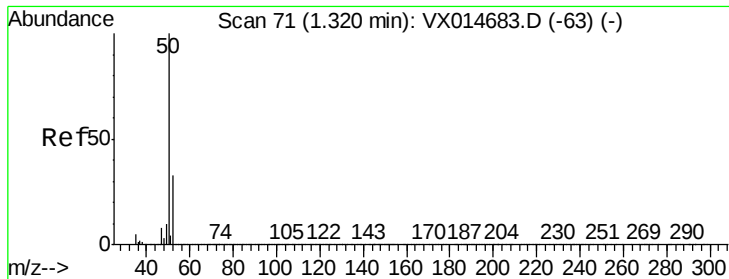
100

50

0

Time-->





#3

Chloromethane

Concen: 0.264 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

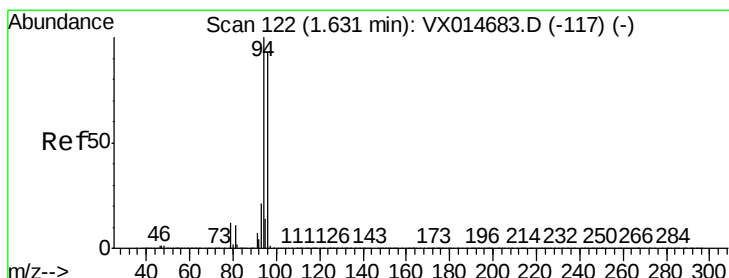
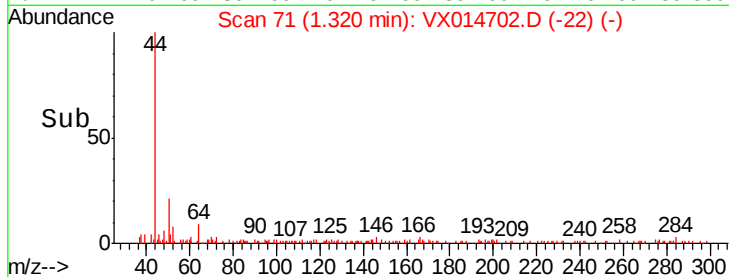
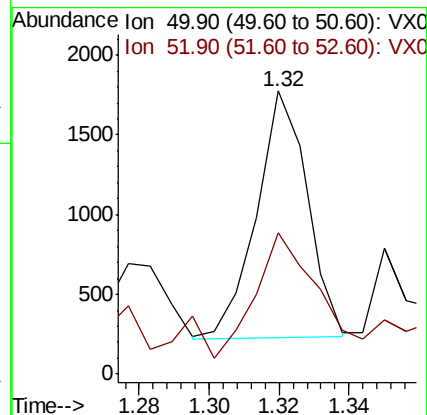
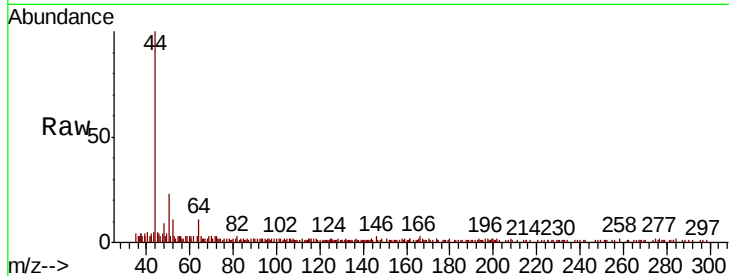
STORAGE-BLANK-WATER-REF-5

Tot Ion: 50 Resp: 1549

Ion Ratio Lower Upper

50 100

52 40.0 26.2 39.2#



#5

Bromomethane

Concen: 0.259 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014702.D

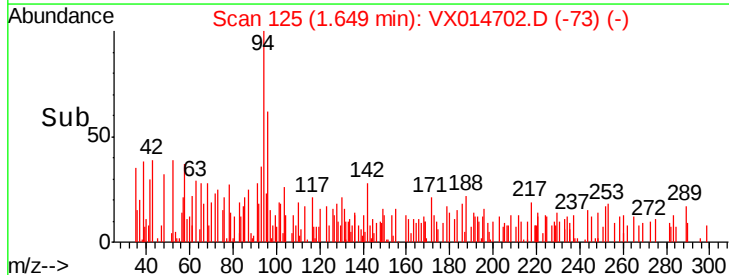
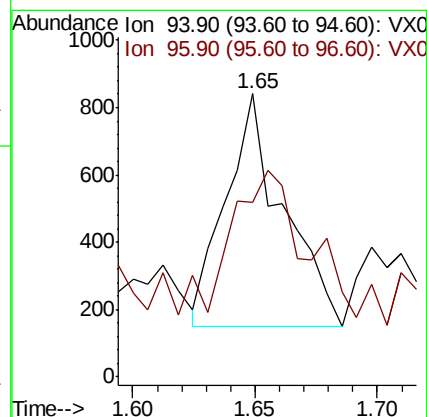
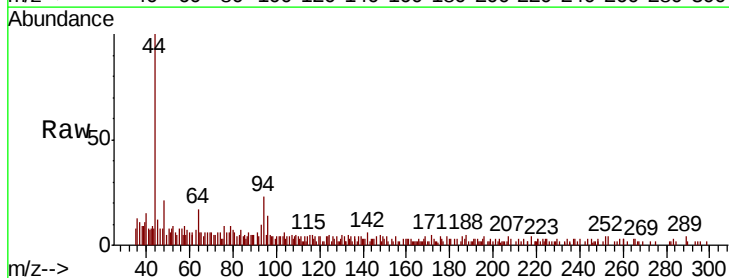
Acq: 24 Jan 2020 17:19

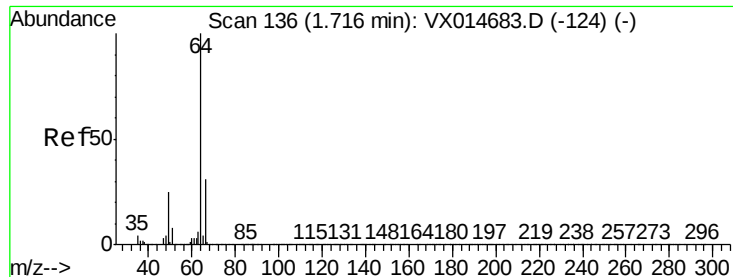
Tgt Ion: 94 Resp: 1119

Ion Ratio Lower Upper

94 100

96 31.6 74.7 112.1#





#6

Chloroethane

Concen: 0.351 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

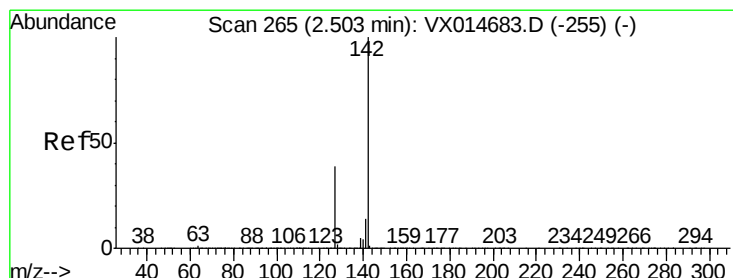
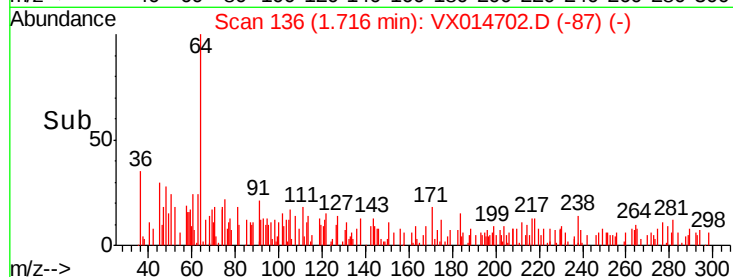
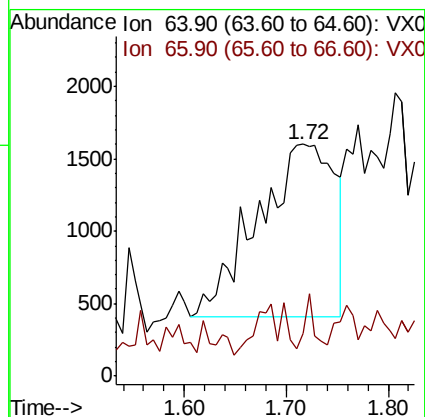
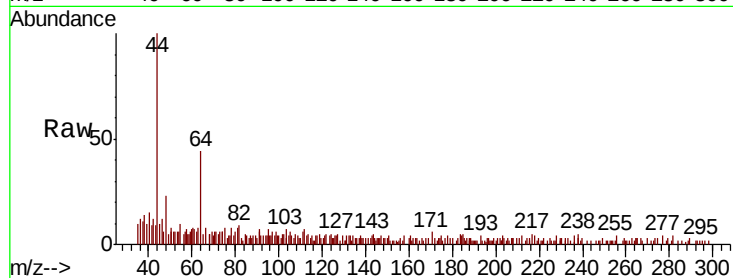
STORAGE-BLANK-WATER-REF-5

Tot Ion: 64 Resp: 6265

Ion Ratio Lower Upper

64 100

66 5.2 25.2 37.8#



#10

Methyl Iodide

Concen: 0.349 ug/l

RT: 2.53 min Scan# 269

Delta R.T. 0.02 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

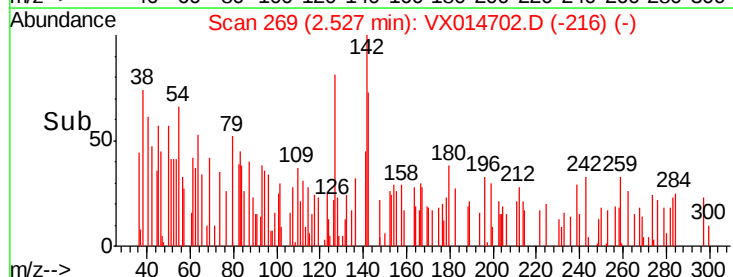
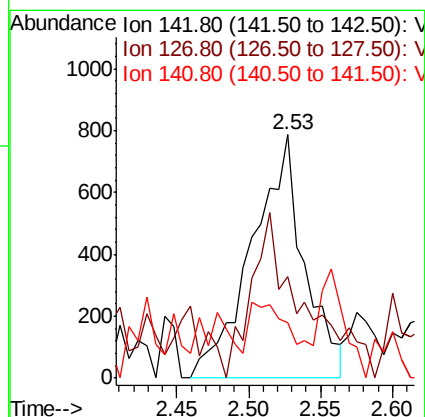
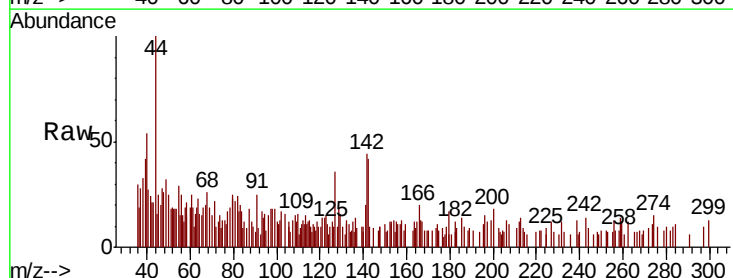
Tgt Ion: 142 Resp: 1985

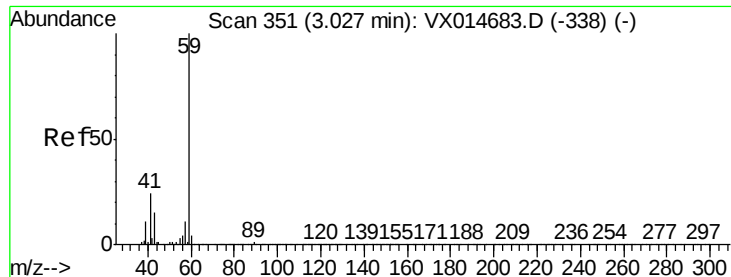
Ion Ratio Lower Upper

142 100

127 67.7 31.1 46.7#

141 0.0 11.3 16.9#



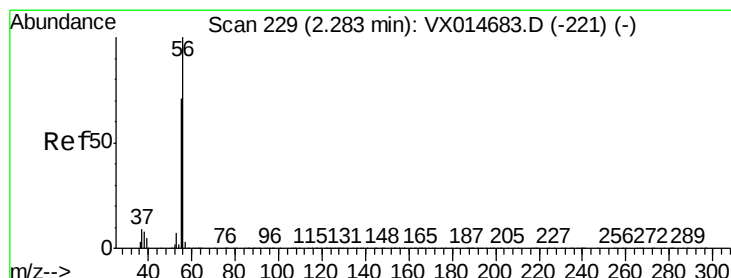
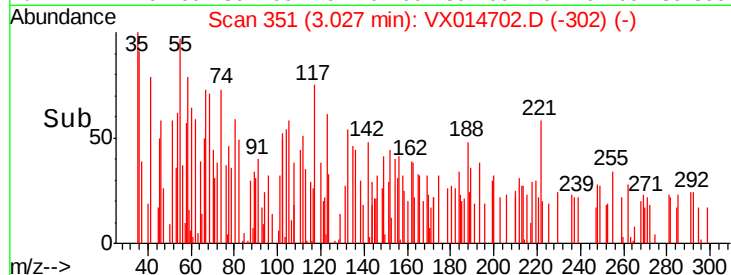
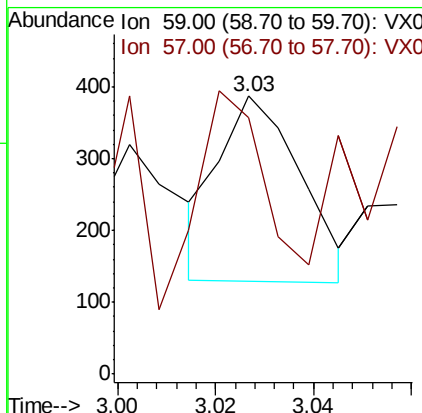
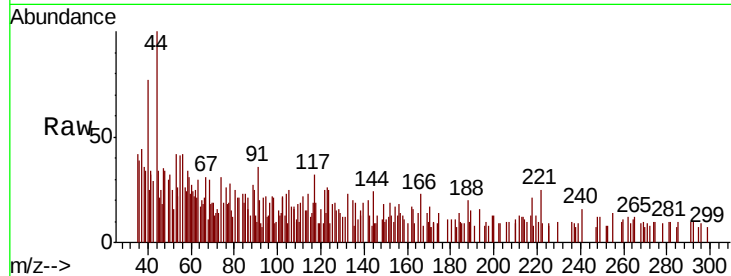


#11

Tert butyl alcohol
Concen: 0.262 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

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

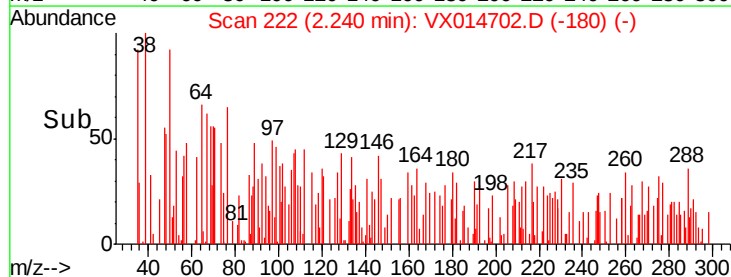
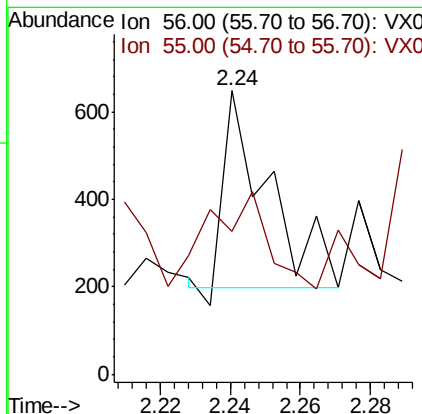
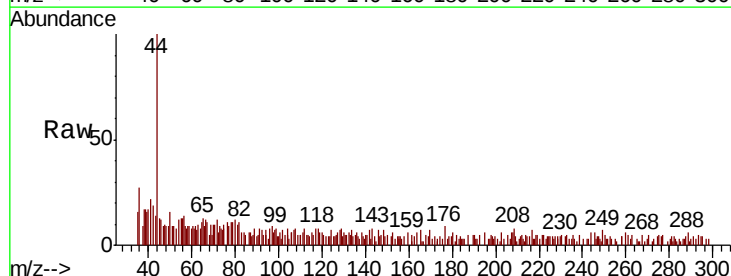
Tot Ion: 59 Resp: 298
Ion Ratio Lower Upper
59 100
57 103.7 8.3 12.5#

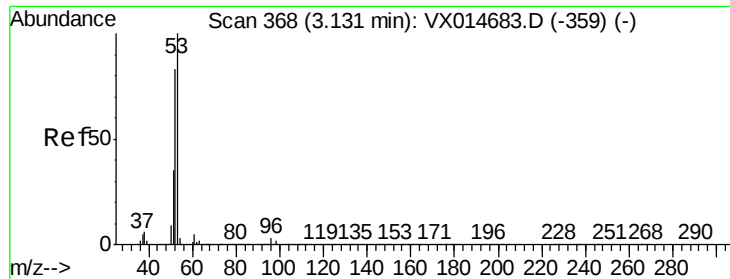


#13

Acrolein
Concen: 0.437 ug/l
RT: 2.24 min Scan# 222
Delta R.T. -0.04 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

Tgt Ion: 56 Resp: 392
Ion Ratio Lower Upper
56 100
55 66.8 56.6 84.8





#15

Acrylonitrile

Concen: 0.246 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

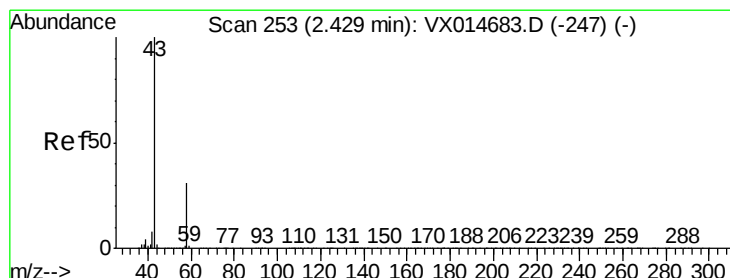
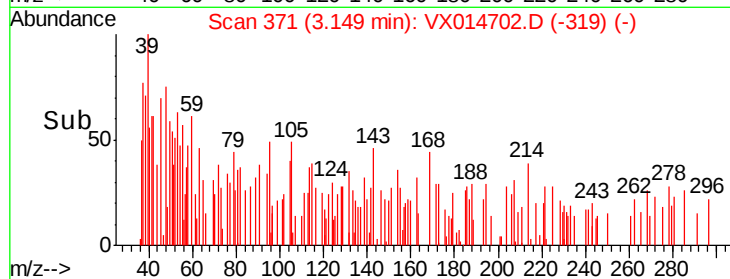
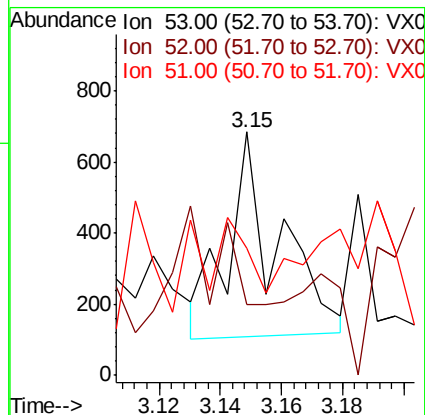
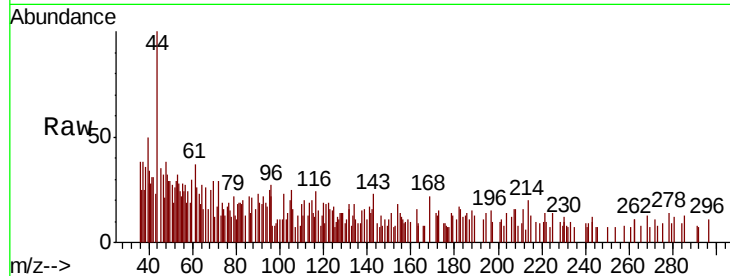
Tot Ion: 53 Resp: 649

Ion Ratio Lower Upper

53 100

52 64.1 66.4 99.6#

51 48.2 28.7 43.1#



#16

Acetone

Concen: 5.907 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014702.D

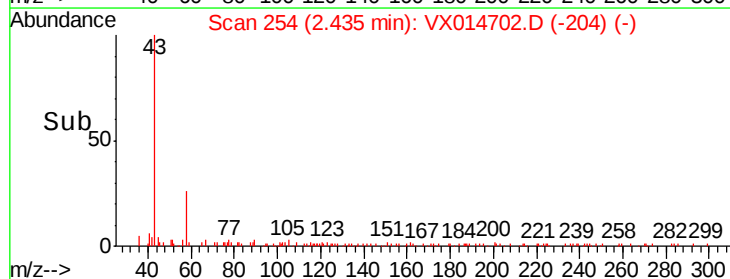
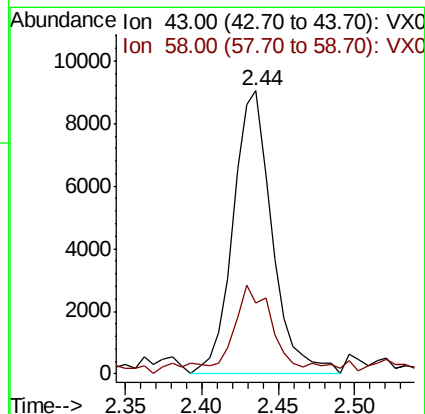
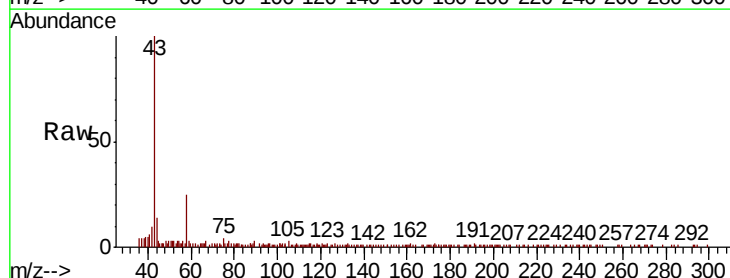
Acq: 24 Jan 2020 17:19

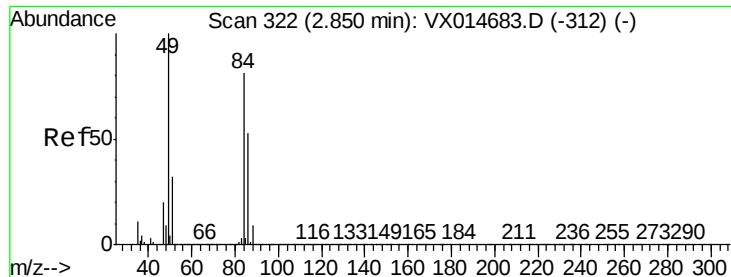
Tgt Ion: 43 Resp: 16001

Ion Ratio Lower Upper

43 100

58 23.0 24.5 36.7#

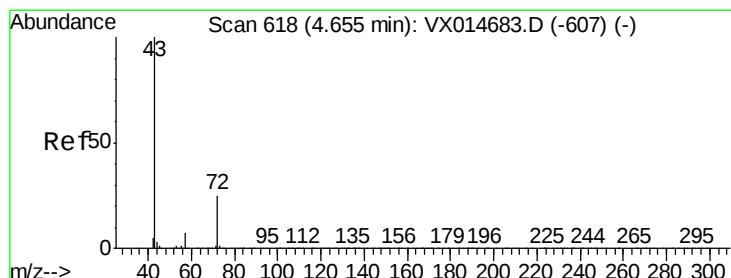
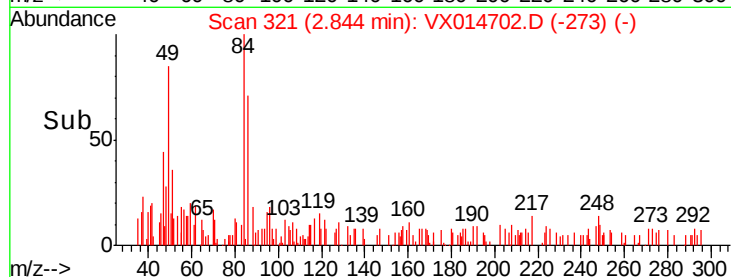
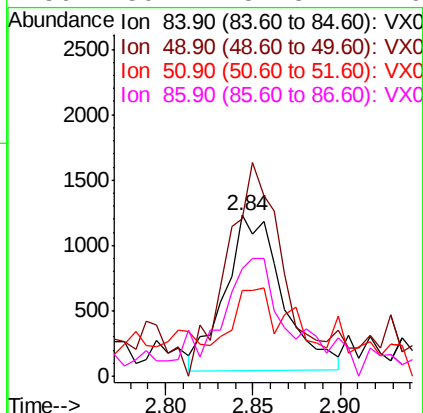
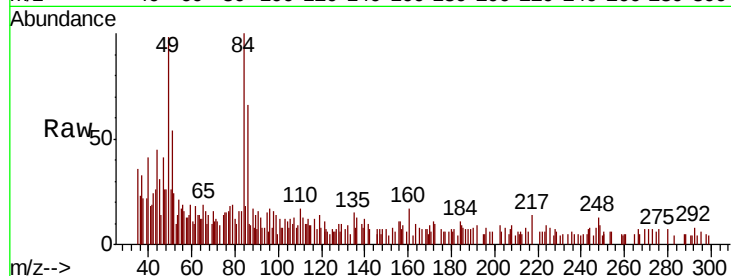




#20
Methvlene Chloride
Concen: 0.526 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

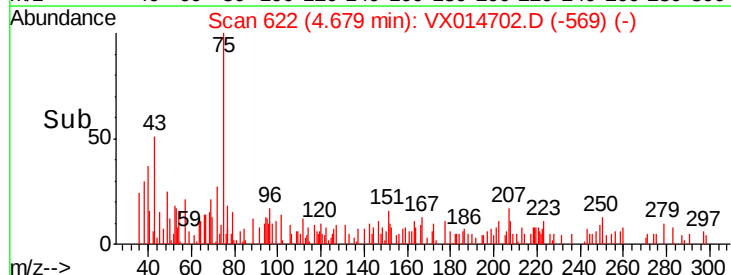
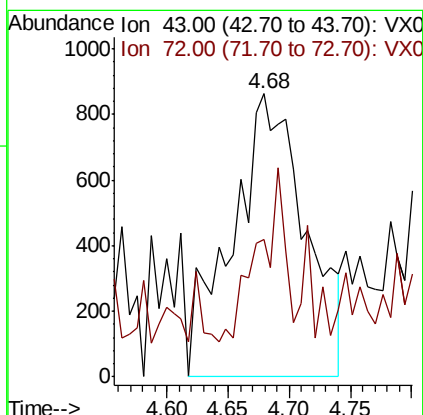
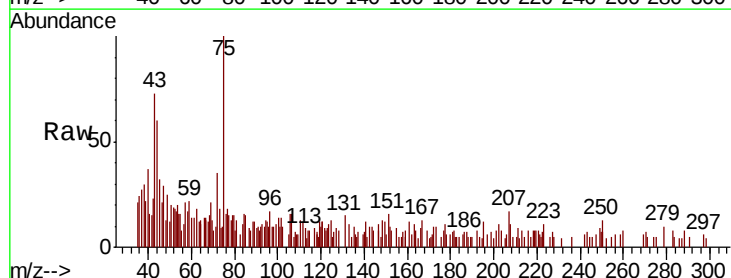
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

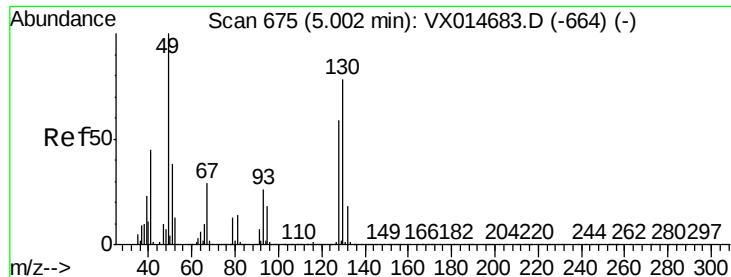
Tot Ion: 84 Resp: 2703
Ion Ratio Lower Upper
84 100
49 111.2 98.2 147.4
51 29.6 31.3 46.9#
86 59.4 51.8 77.6



#25
2-Butanone
Concen: 0.906 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

Tgt Ion: 43 Resp: 3605
Ion Ratio Lower Upper
43 100
72 36.3 19.9 29.9#





#28

Bromochloromethane

Concen: 0.205 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.02 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

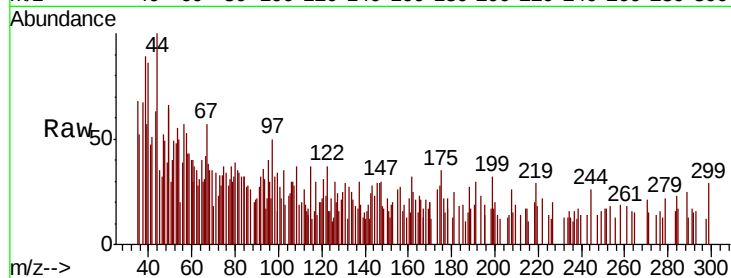
Tot Ion: 49 Resp: 754

Ion Ratio Lower Upper

49 100

129 10.9 0.0 4.8#

130 25.1 62.4 93.6#



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

800

600

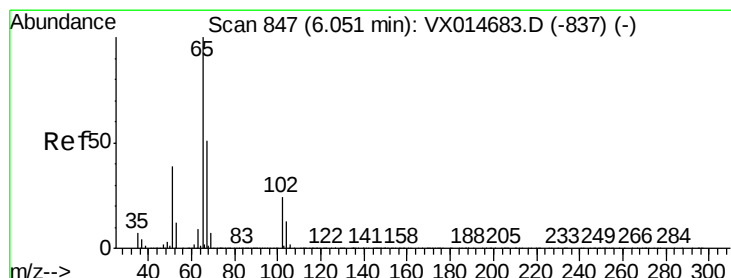
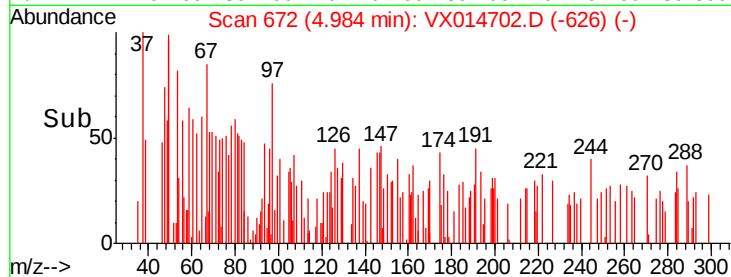
400

200

0

4.94 4.96 4.98 5.00 5.02

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.272 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014702.D

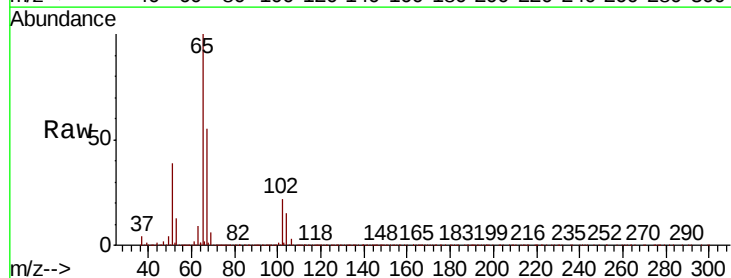
Acq: 24 Jan 2020 17:19

Tgt Ion: 65 Resp: 249741

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

100000

80000

60000

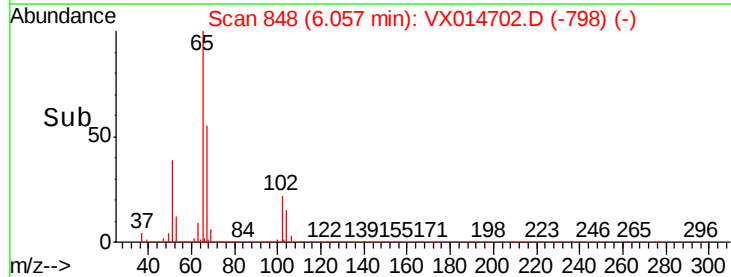
40000

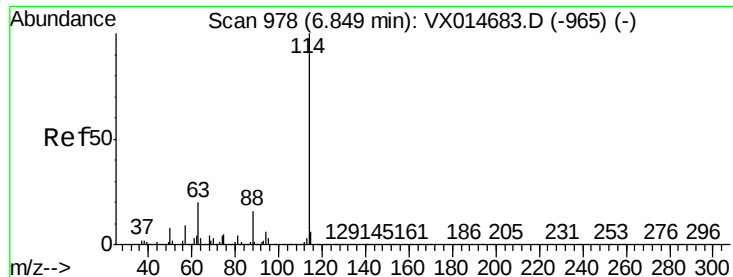
20000

0

5.90 6.00 6.10 6.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

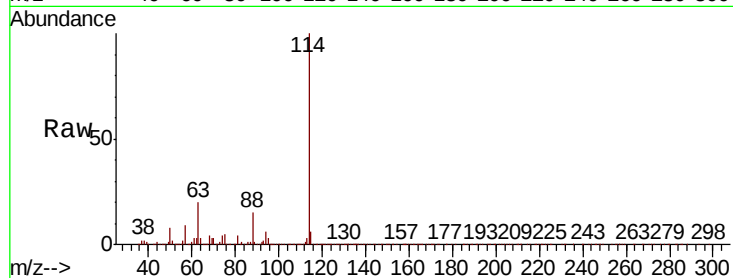
Tot Ion:114 Resp: 677912

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

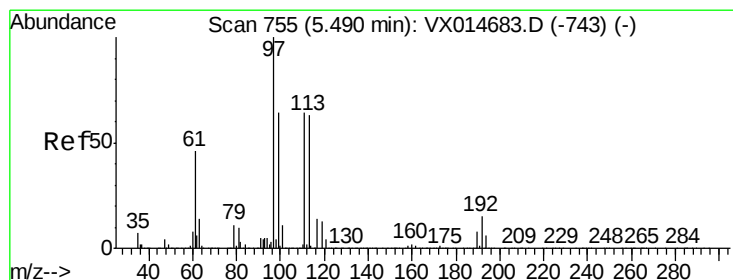
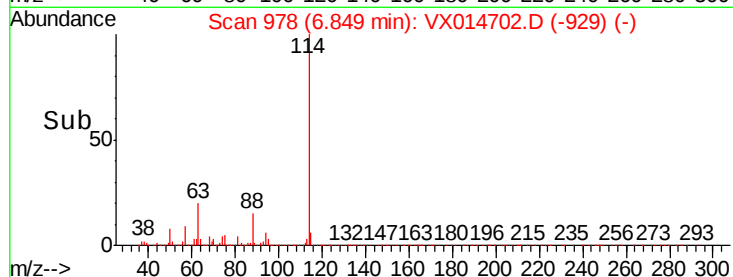
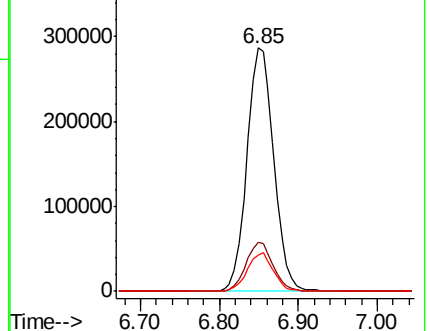
88 15.1 0.0 31.2



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: 47.544 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

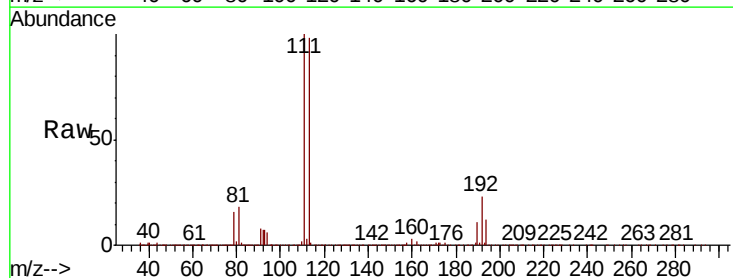
Tgt Ion:113 Resp: 203371

Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

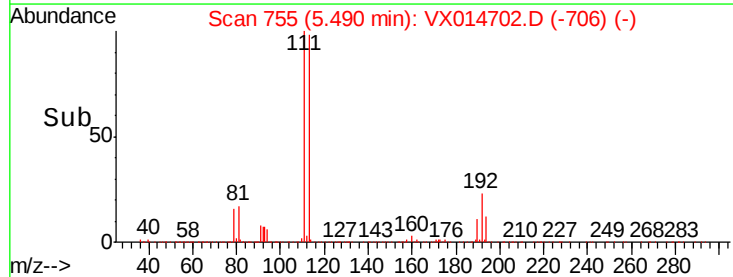
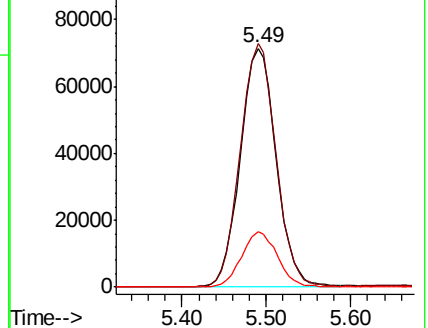
192 23.7 18.5 27.7

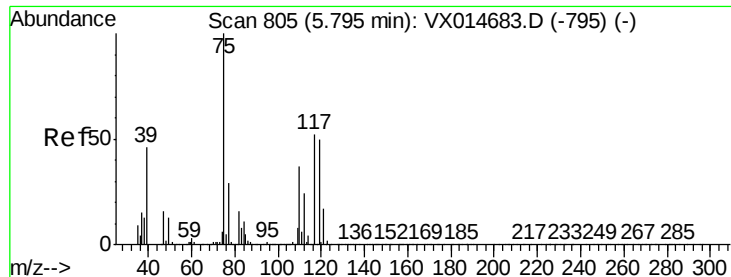


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.624 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

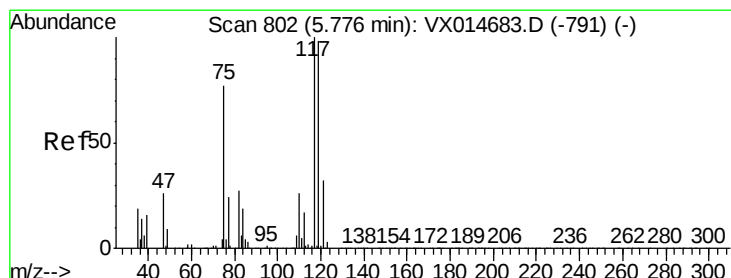
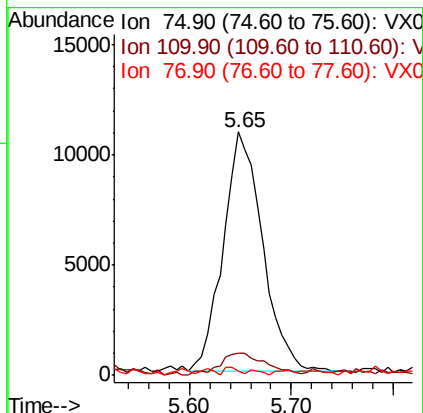
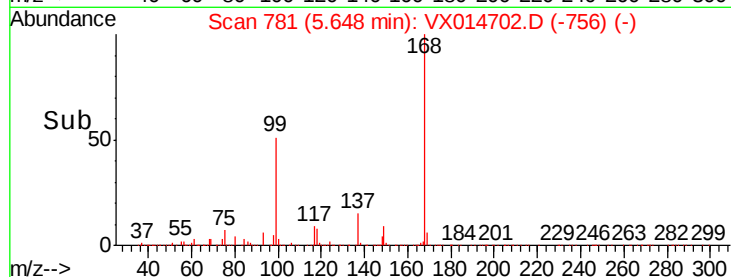
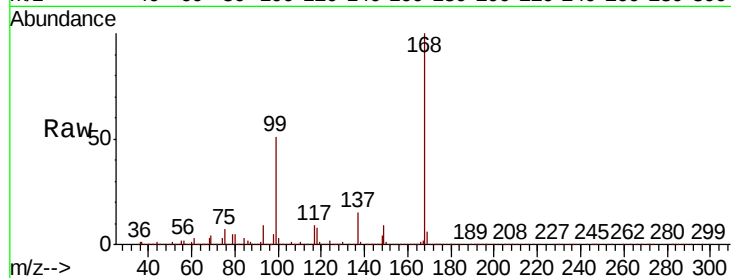
Tot Ion: 75 Resp: 29129

Ion Ratio Lower Upper

75 100

110 11.2 17.9 53.7#

77 0.7 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.547 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

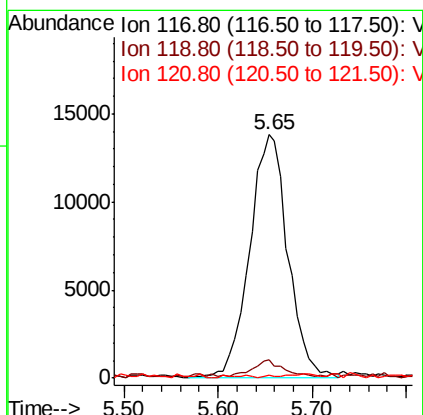
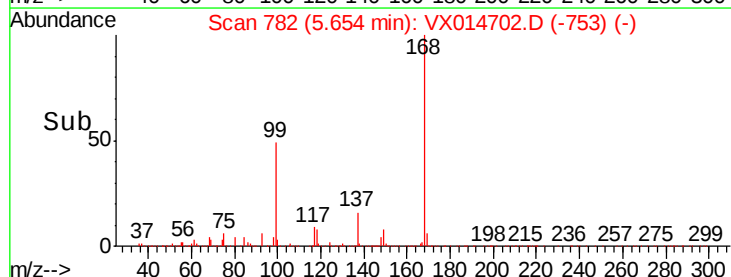
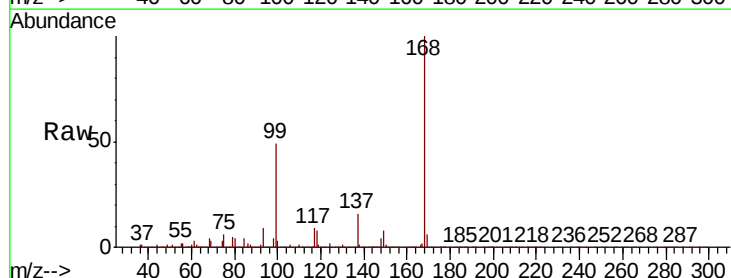
Tgt Ion: 117 Resp: 39387

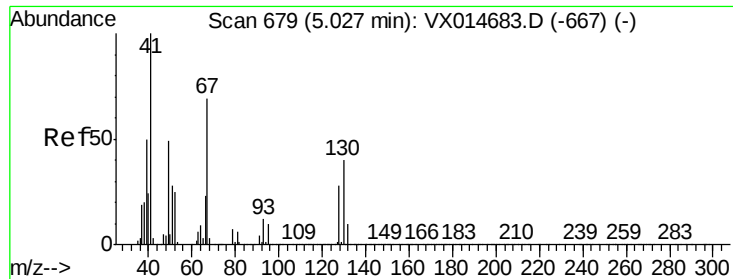
Ion Ratio Lower Upper

117 100

119 7.3 77.9 116.9#

121 0.1 25.4 38.2#

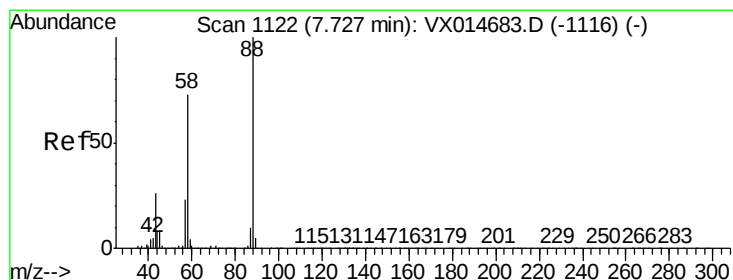
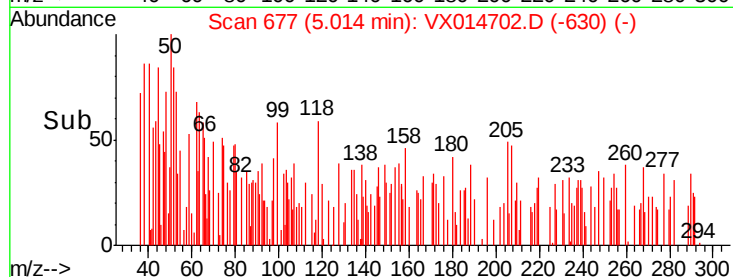
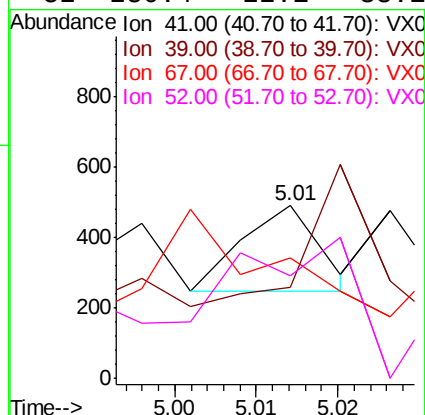
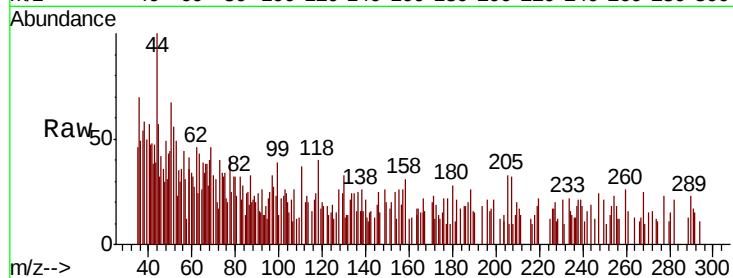




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.01 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

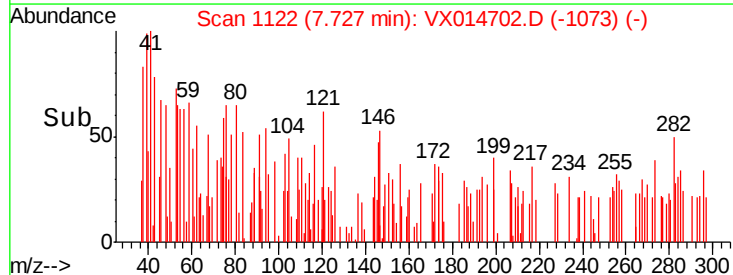
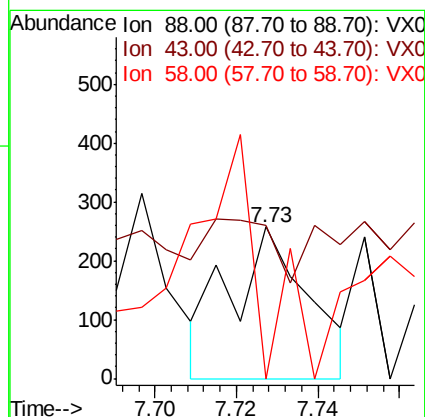
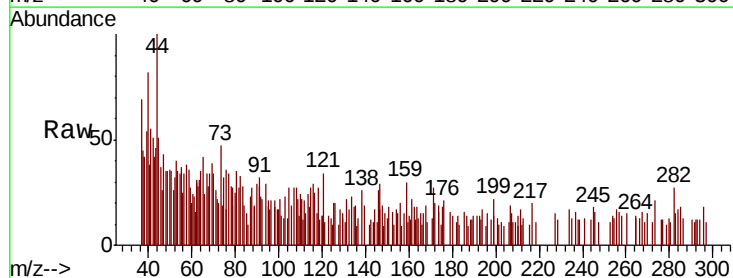
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

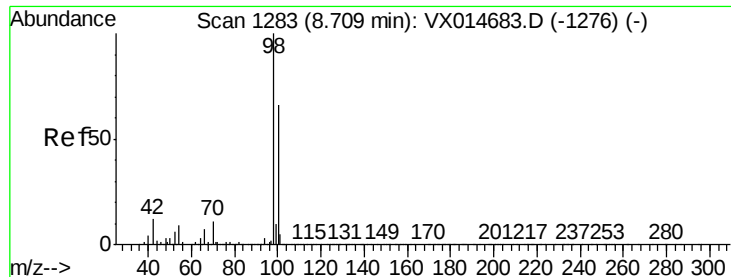
Tot Ion:	41	Resp:	158
Ion	Ratio	Lower	Upper
41	100		
39	162.0	42.2	63.2#
67	0.0	55.4	83.0#
52	280.4	22.1	33.1#



#49
1,4-Dioxane
Concen: 2.858 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

Tgt Ion:	88	Resp:	342
Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.2	39.2
58	141.2	56.6	85.0#





#50

Toluene-d8

Concen: 49.644 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

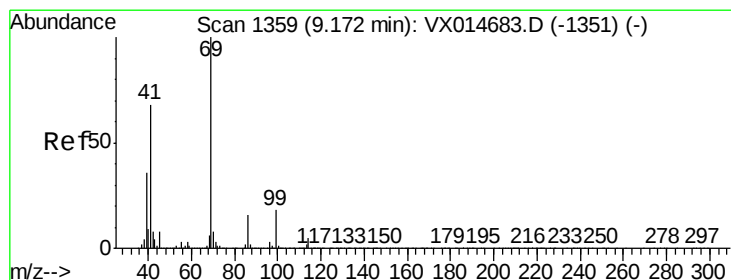
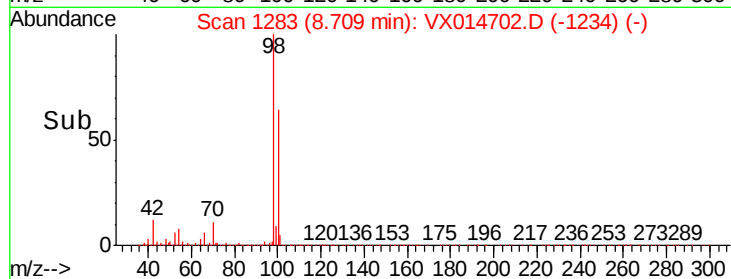
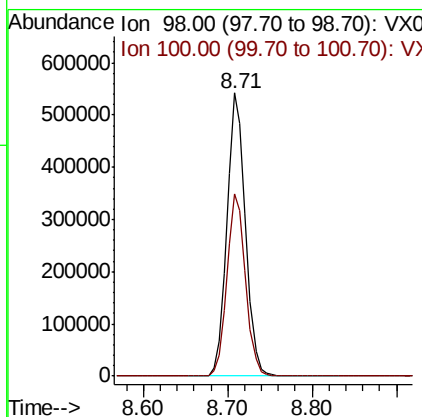
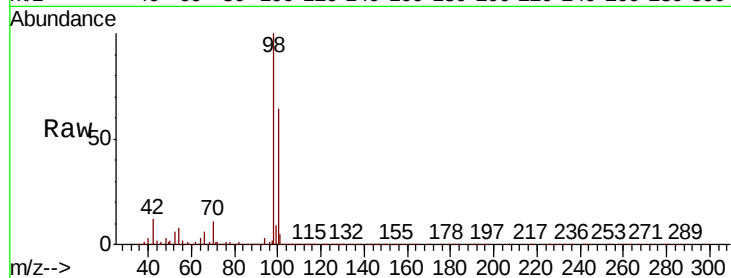
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 816383

Ion Ratio Lower Upper

98 100

100 64.9 53.0 79.6



#56

Ethyl methacrylate

Concen: 1.820 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

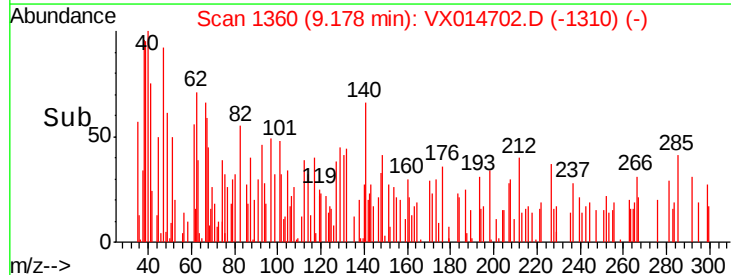
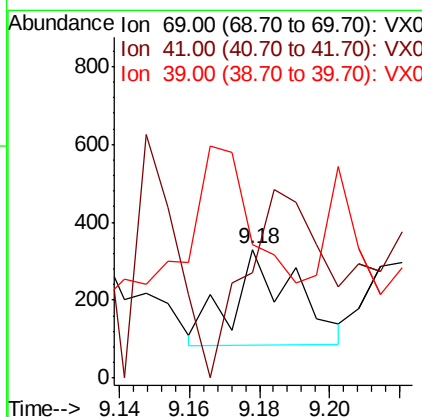
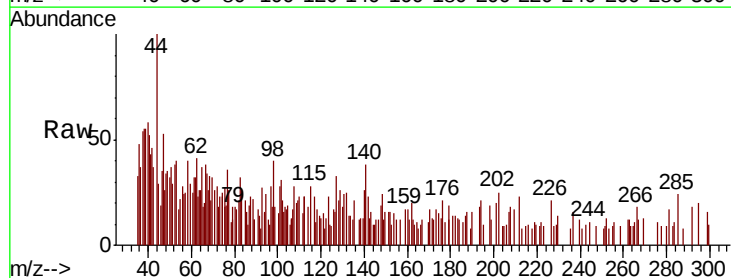
Tgt Ion: 69 Resp: 308

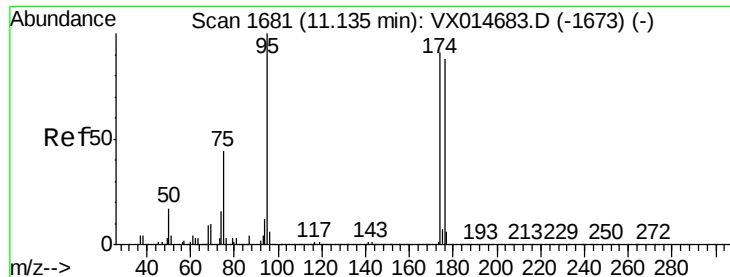
Ion Ratio Lower Upper

69 100

41 240.3 54.9 82.3#

39 210.7 29.3 43.9#





#62

4-Bromofluorobenzene

Concen: 46.609 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

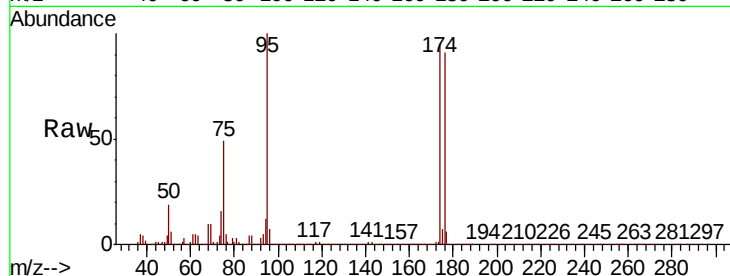
Tot Ion: 95 Resp: 273034

Ion Ratio Lower Upper

95 100

174 89.1 0.0 176.0

176 86.6 0.0 172.2

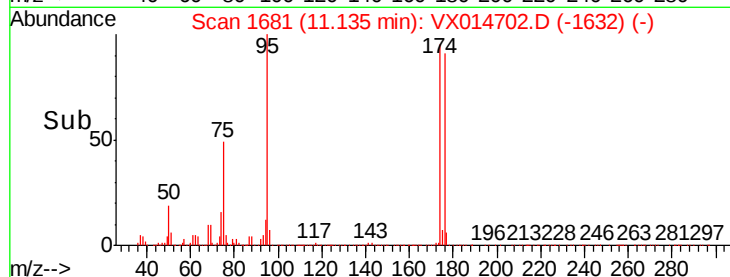


Abundance Ion 94.90 (94.60 to 95.60): VX014702.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX014702.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX014702.D (-1632) (-)

Time-->



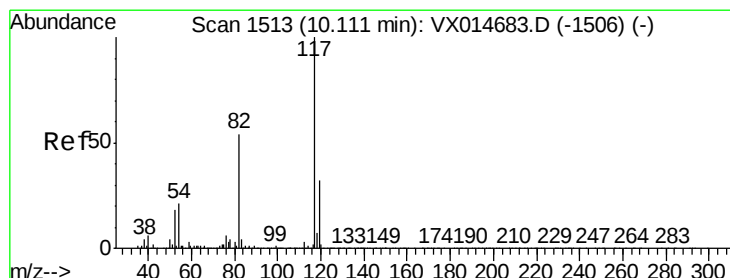
Abundance

Ion 94.90 (94.60 to 95.60): VX014702.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX014702.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX014702.D (-1632) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014702.D

Acq: 24 Jan 2020 17:19

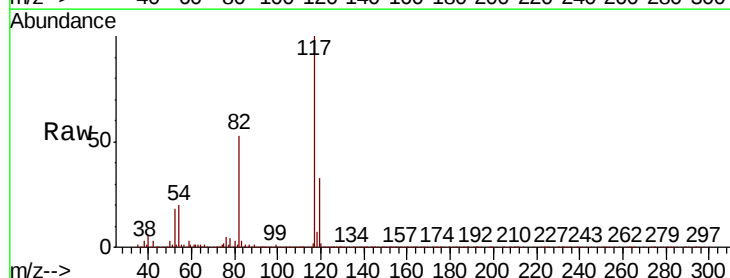
Tgt Ion: 117 Resp: 619028

Ion Ratio Lower Upper

117 100

82 52.7 43.2 64.8

119 32.7 25.8 38.6

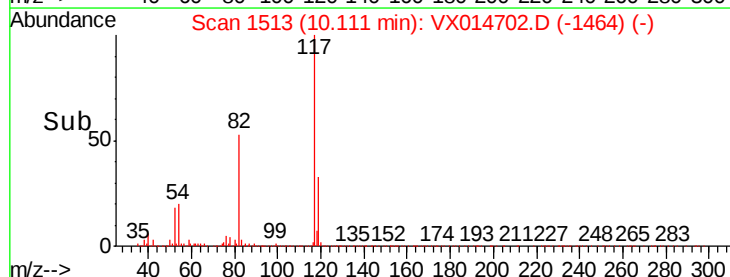


Abundance Ion 116.90 (116.60 to 117.60): VX014702.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014702.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014702.D (-1464) (-)

Time-->



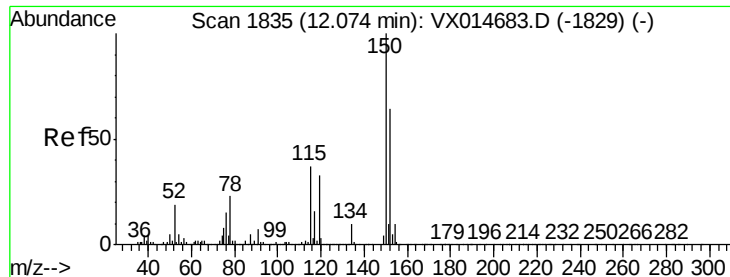
Abundance

Ion 116.90 (116.60 to 117.60): VX014702.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014702.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014702.D (-1464) (-)

Time-->

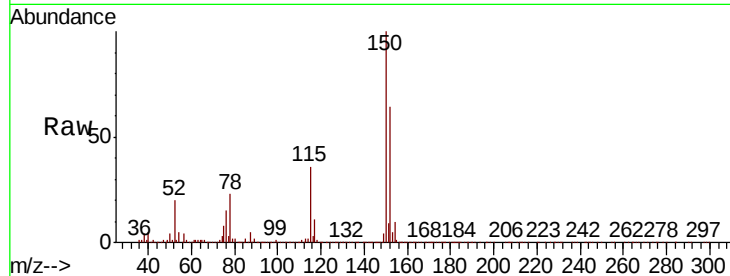


#72

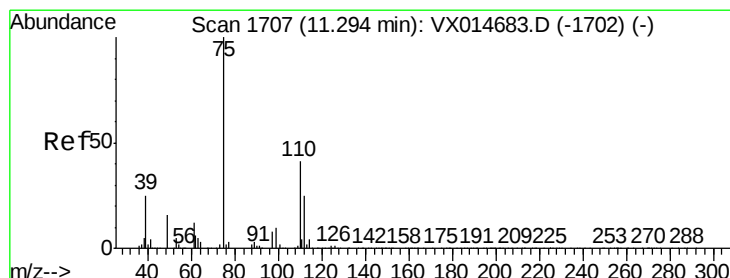
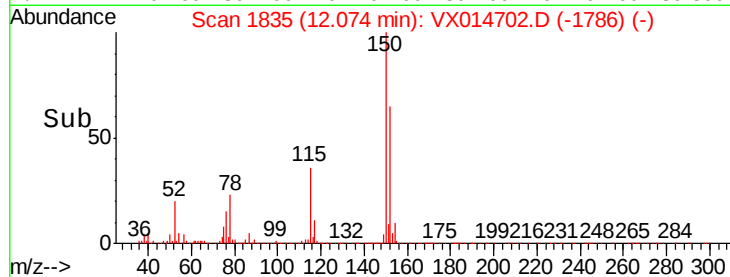
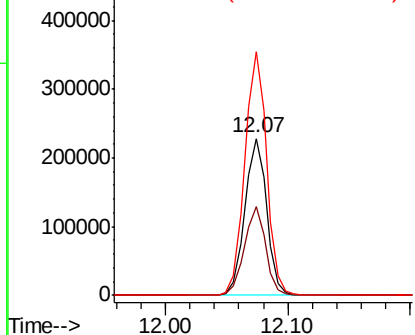
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

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

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	39.4	118.1
150	154.3	0.0	351.2



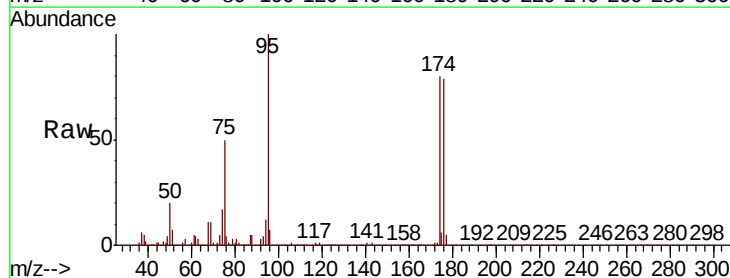
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



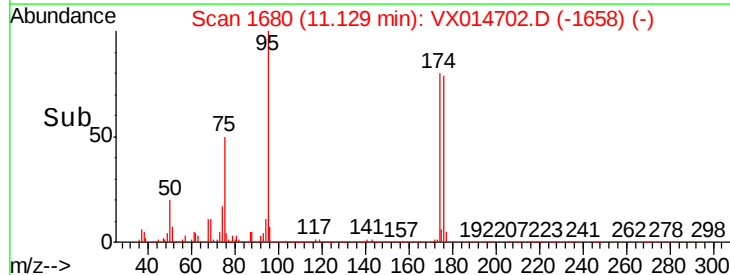
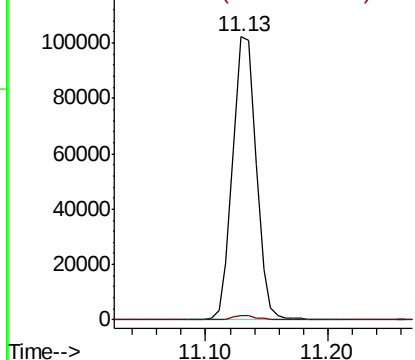
#76

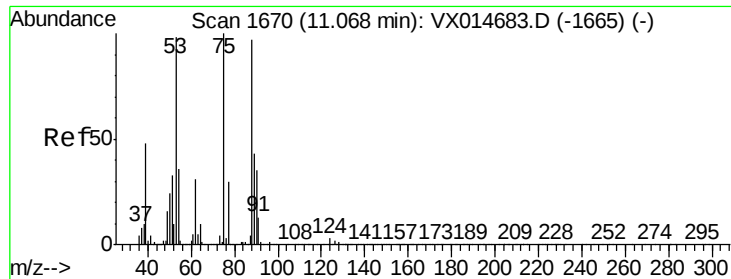
1,2,3-Trichloropropane
Concen: 20.631 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	18.7	56.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

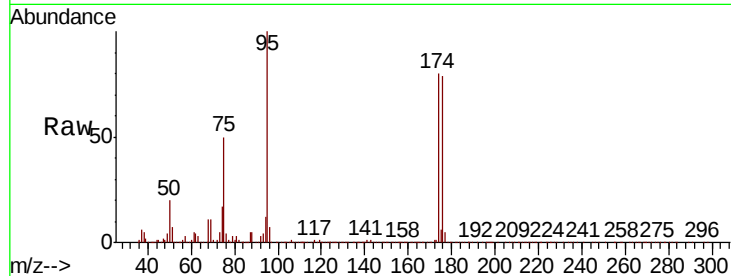




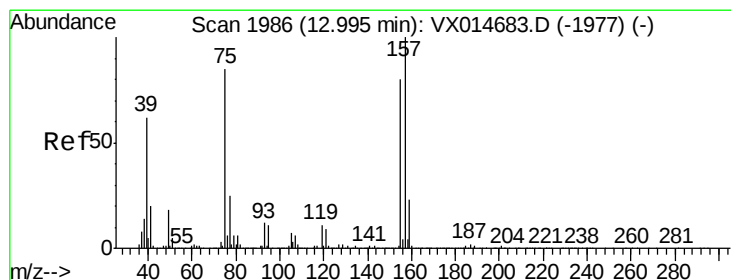
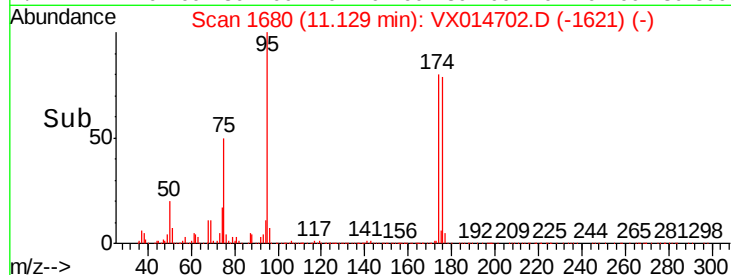
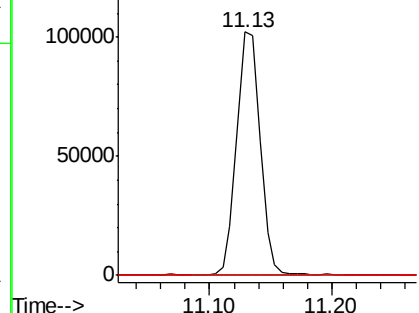
#81
trans-1,4-Dichloro-2-butene
Concen: 58.711 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

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

Tot Ion: 75 Resp: 135440
Ion Ratio Lower Upper
75 100
53 0.2 78.8 118.2#
89 0.3 35.4 53.0#

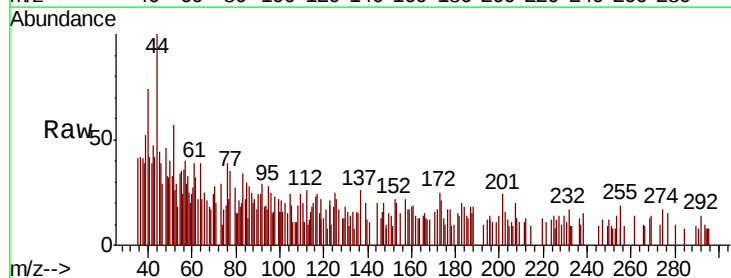


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

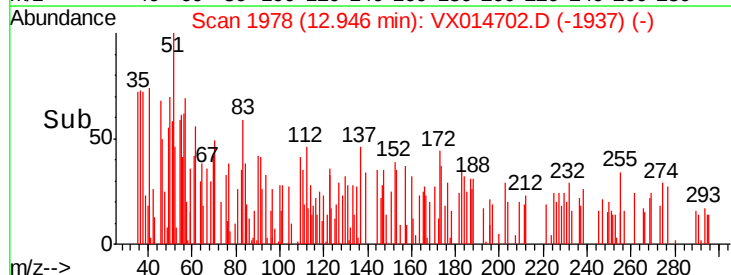
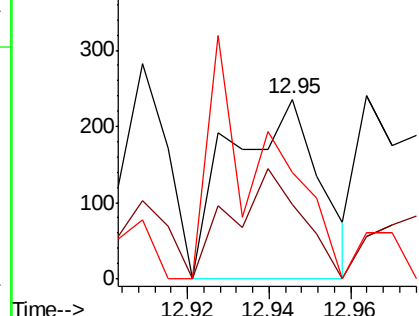


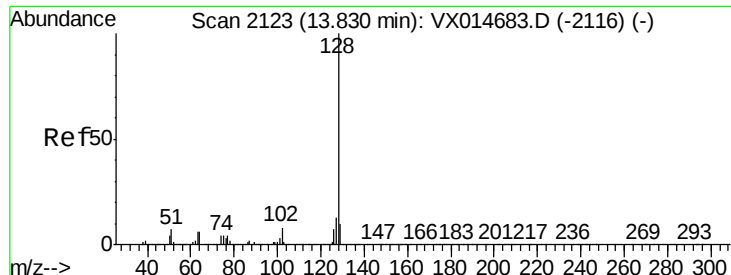
#92
1,2-Dibromo-3-Chloropropane
Concen: 0.235 ug/l
RT: 12.95 min Scan# 1978
Delta R.T. -0.05 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

Tgt Ion: 75 Resp: 357
Ion Ratio Lower Upper
75 100
155 47.6 45.6 136.9
157 86.0 60.3 180.9



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 1.028 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014702.D
Acq: 24 Jan 2020 17:19

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	19.6	10.3	15.5#
129	25.9	8.6	12.8#

