

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014707.D
 Acq On : 24 Jan 2020 19:16
 Operator : JC/SP
 Sample : L1173-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 0048-SITE-WATER

Quant Time: Jan 24 22:35:01 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	426902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	668318	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	601967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	261001	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	250974	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
35) Dibromofluoromethane	5.49	113	205580	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	8.71	98	795040	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.13	95	260242	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	

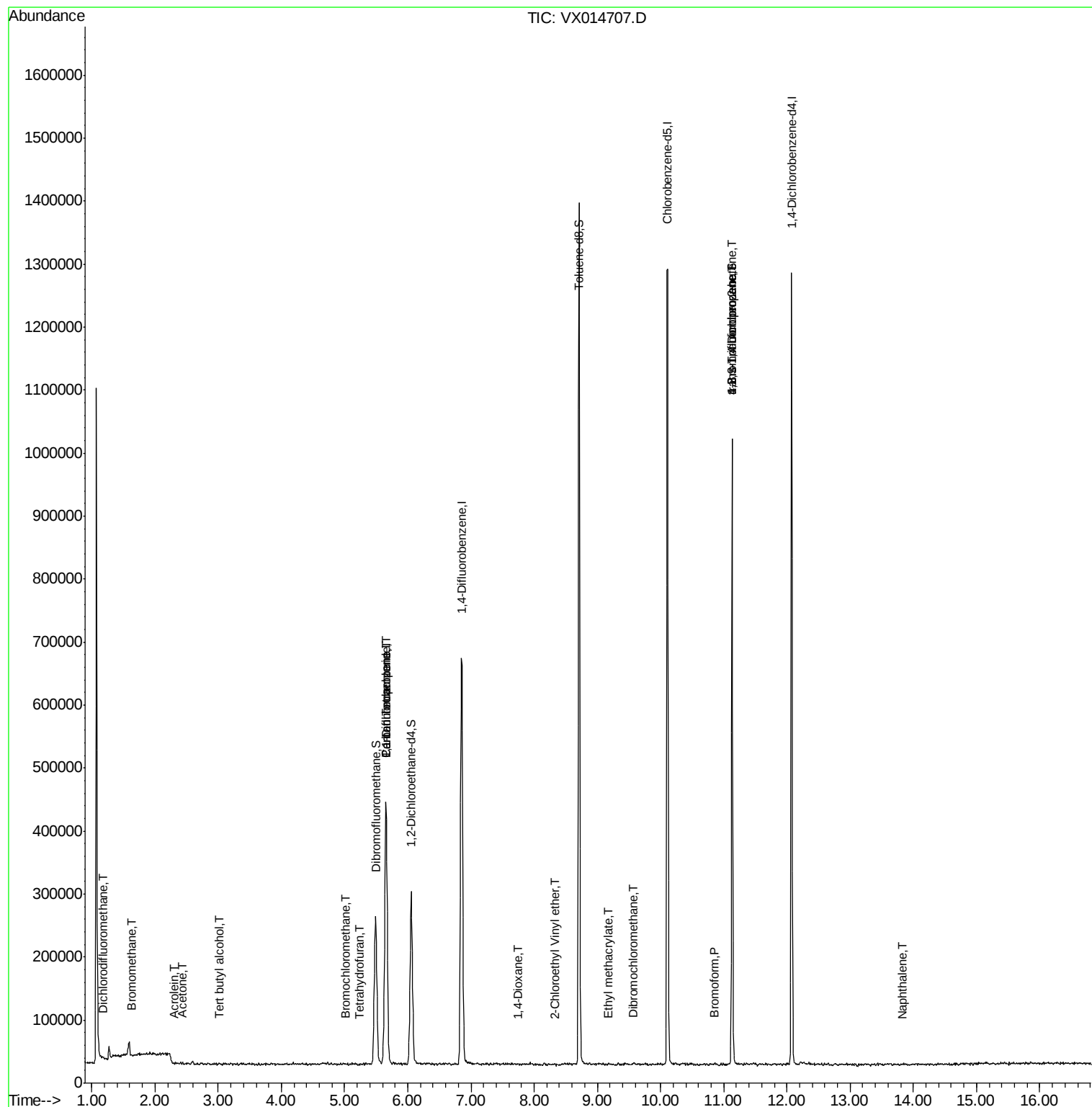
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	238	0.572	ug/l #	1
5) Bromomethane	1.64	94	1156	0.273	ug/l	85
6) Chloroethane	1.69	64	3730	Below Cal	#	81
11) Tert butyl alcohol	3.02	59	793	0.709	ug/l #	94
13) Acrolein	2.30	56	261	0.296	ug/l #	64
16) Acetone	2.44	43	4084	1.644	ug/l #	83
28) Bromochloromethane	5.01	49	864	0.239	ug/l #	46
29) Tetrahydrofuran	5.23	42	521	0.224	ug/l	94
36) 1,1-Dichloropropene	5.65	75	29895	4.814	ug/l #	43
38) Carbon Tetrachloride	5.65	117	38355	6.467	ug/l #	17
41) Methacrylonitrile	5.00	41	195	Below Cal	#	1
49) 1,4-Dioxane	7.73	88	360	3.052	ug/l #	34
56) Ethyl methacrylate	9.17	69	145	1.802	ug/l #	34
58) 2-Chloroethyl Vinyl ether	8.33	63	567	0.233	ug/l	98
60) Dibromochloromethane	9.57	129	1285	0.255	ug/l	79
71) Bromoform	10.85	173	1586	0.420	ug/l #	99
76) 1,2,3-Trichloropropane	11.13	75	130808	21.542	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	130808	61.303	ug/l #	10
95) Naphthalene	13.83	128	1315	1.002	ug/l #	43

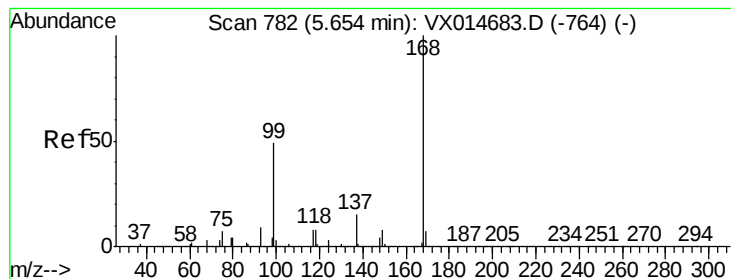
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX014707.D

Acq: 24 Jan 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

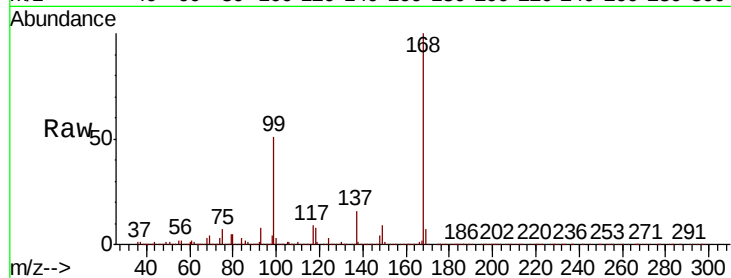
0048-SITE-WATER

Tot Ion:168 Resp: 426902

Ion Ratio Lower Upper

168 100

99 51.1 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

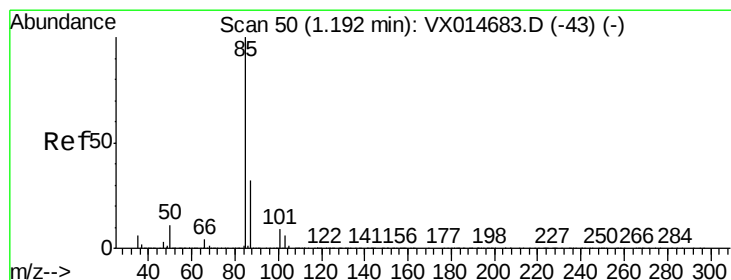
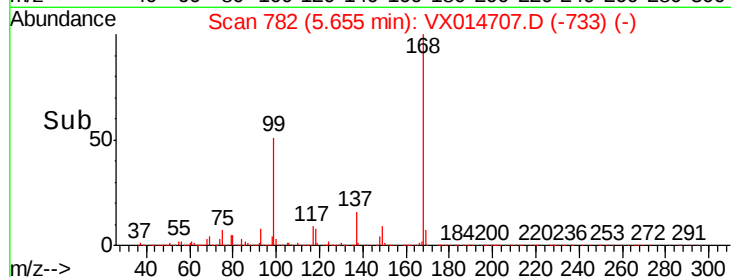
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.572 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014707.D

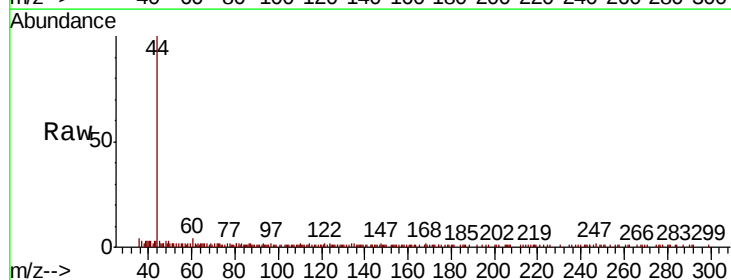
Acq: 24 Jan 2020 19:16

Tgt Ion: 85 Resp: 238

Ion Ratio Lower Upper

85 100

87 142.7 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

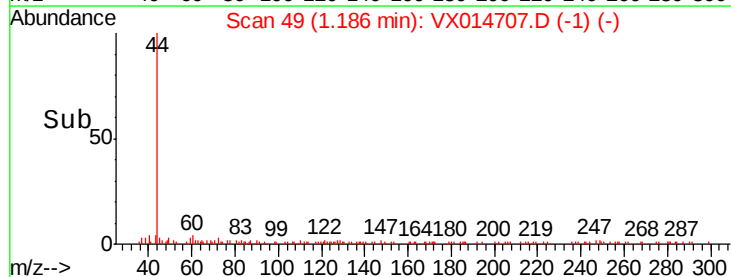
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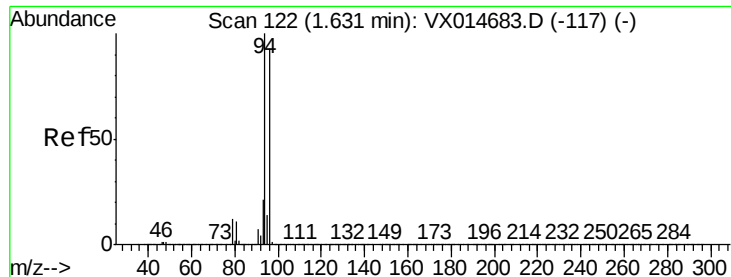
200

100

0

Time-->





#5

Bromomethane

Concen: 0.273 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

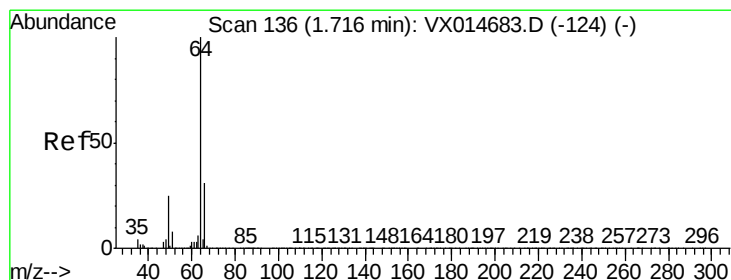
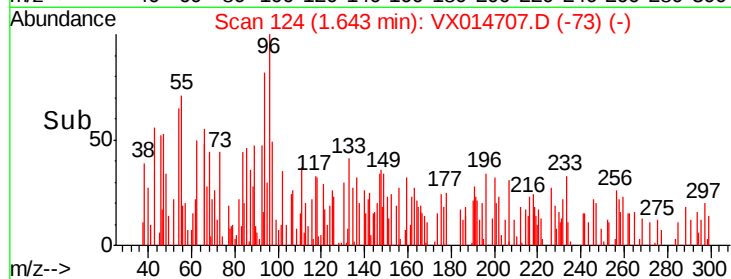
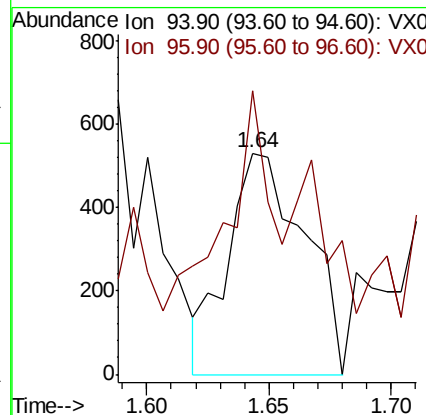
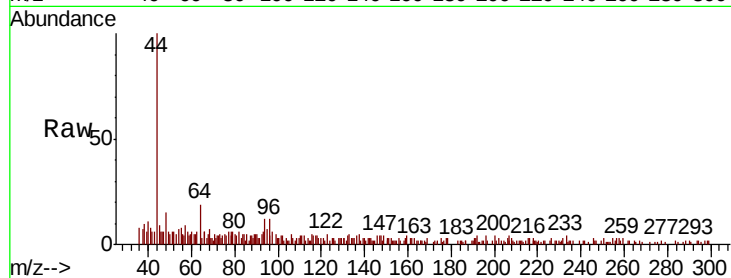
0048-SITE-WATER

Tot Ion: 94 Resp: 1156

Ion Ratio Lower Upper

94 100

96 79.4 74.7 112.1



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 131

Delta R.T. -0.03 min

Lab File: VX014707.D

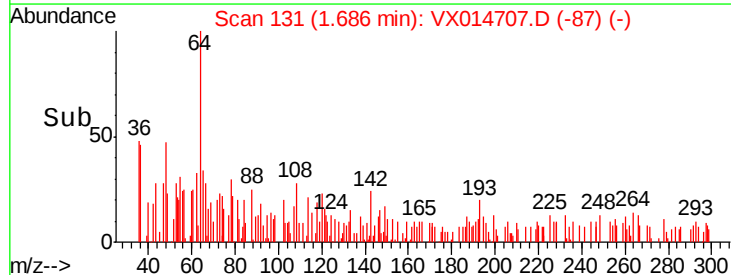
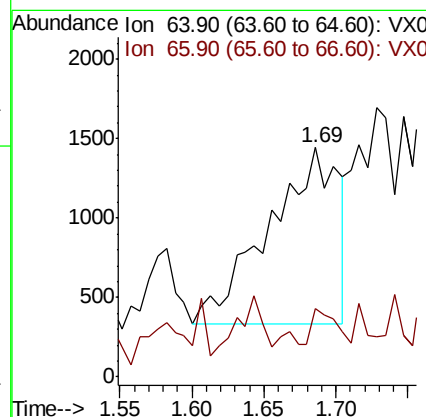
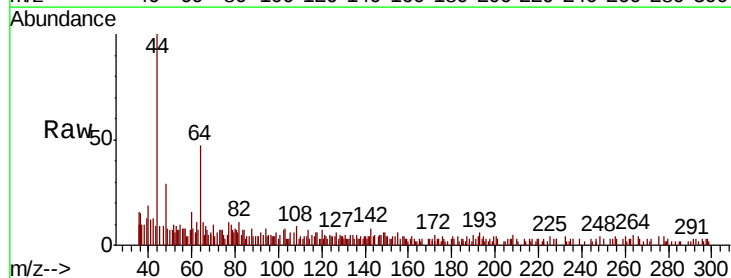
Acq: 24 Jan 2020 19:16

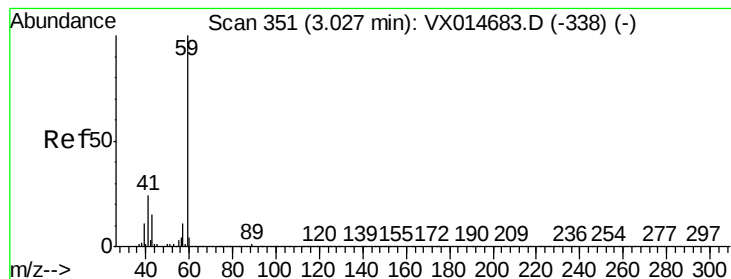
Tgt Ion: 64 Resp: 3730

Ion Ratio Lower Upper

64 100

66 21.1 25.2 37.8#



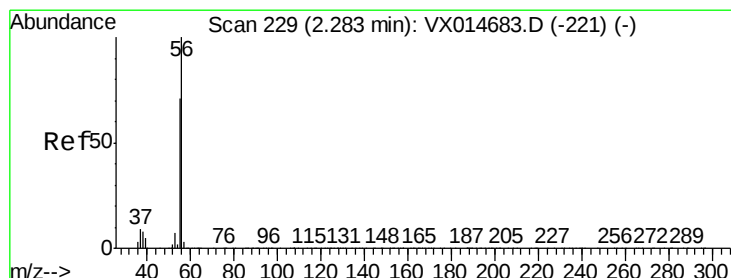
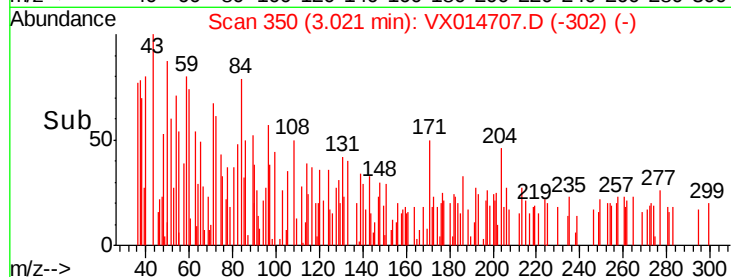
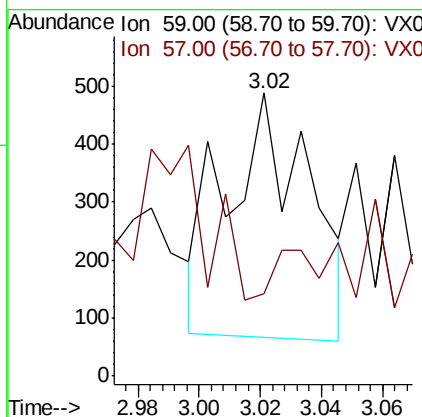
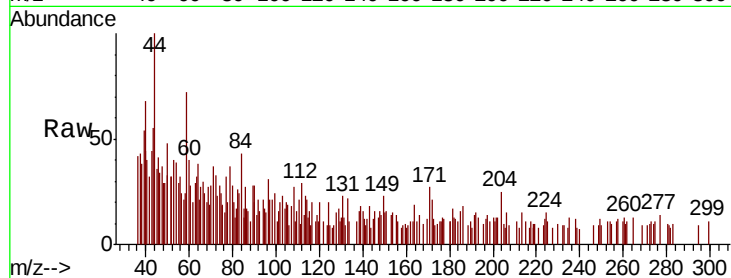


#11

Tert butyl alcohol
 Concen: 0.709 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX014707.D
 Acq: 24 Jan 2020 19:16

Instrument :
 MSVOA_X
 ClientSampleId :
 0048-SITE-WATER

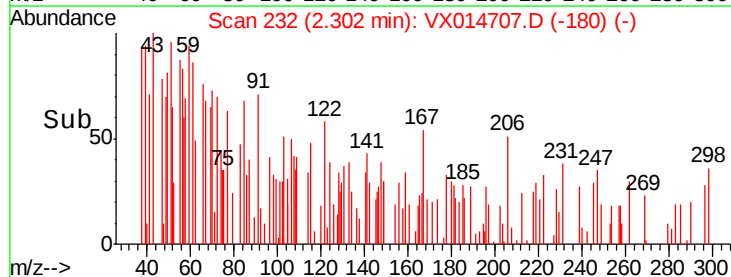
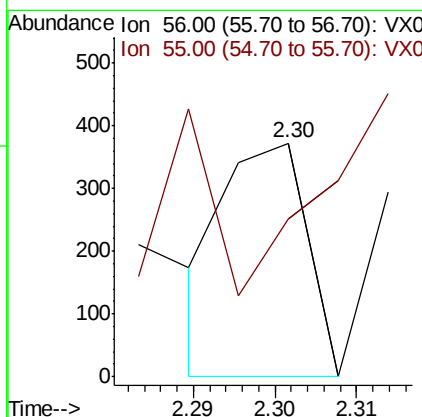
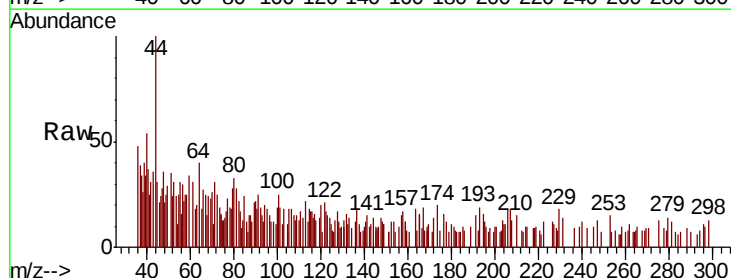
Tot Ion: 59 Resp: 793
 Ion Ratio Lower Upper
 59 100
 57 8.1 8.3 12.5#

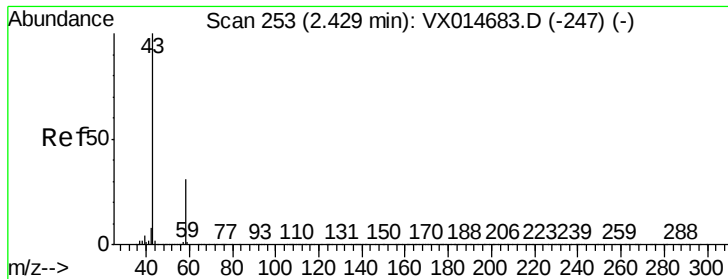


#13

Acrolein
 Concen: 0.296 ug/l
 RT: 2.30 min Scan# 232
 Delta R.T. 0.02 min
 Lab File: VX014707.D
 Acq: 24 Jan 2020 19:16

Tgt Ion: 56 Resp: 261
 Ion Ratio Lower Upper
 56 100
 55 100.0 56.6 84.8#

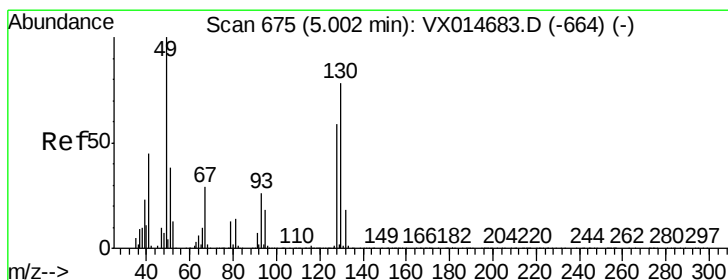
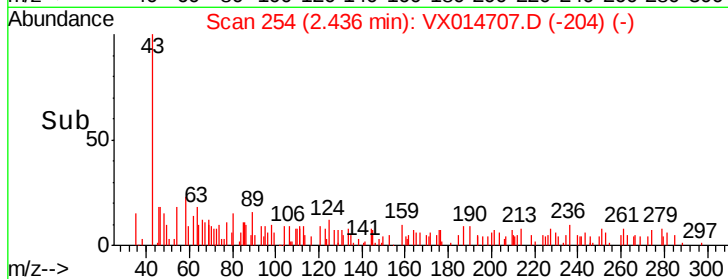
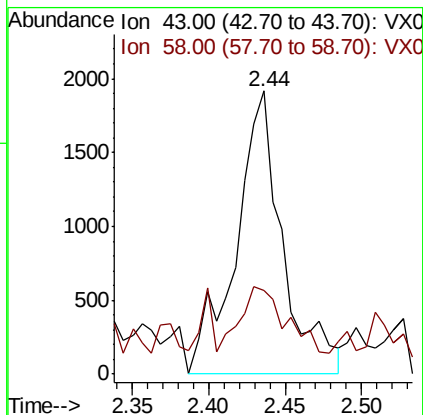
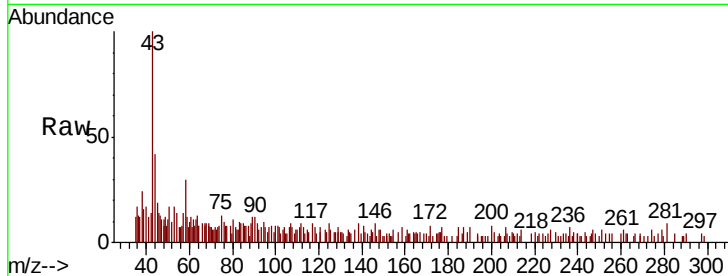




#16
Acetone
Concen: 1.644 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX014707.D
Acq: 24 Jan 2020 19:16

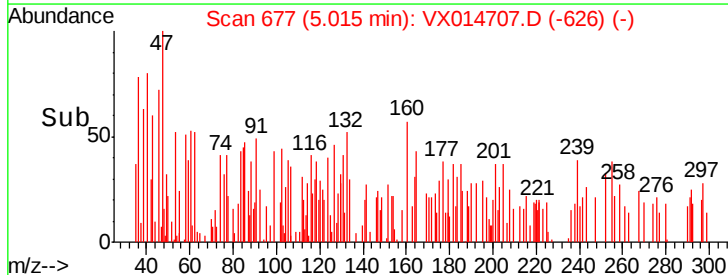
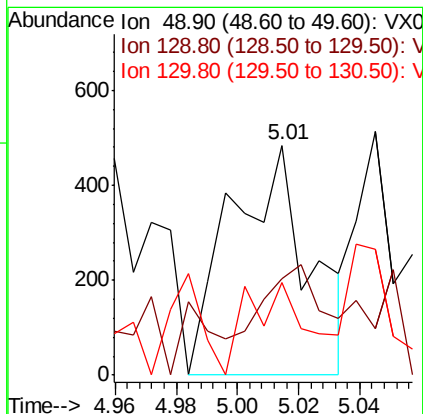
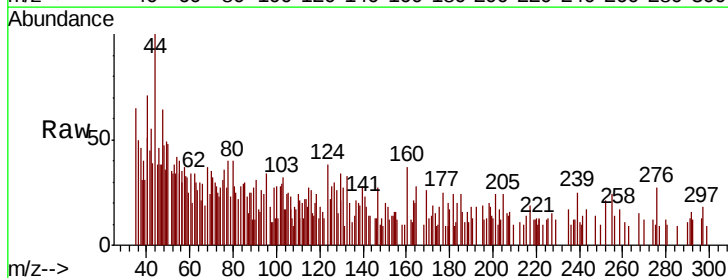
Instrument :
MSVOA_X
ClientSampleId :
0048-SITE-WATER

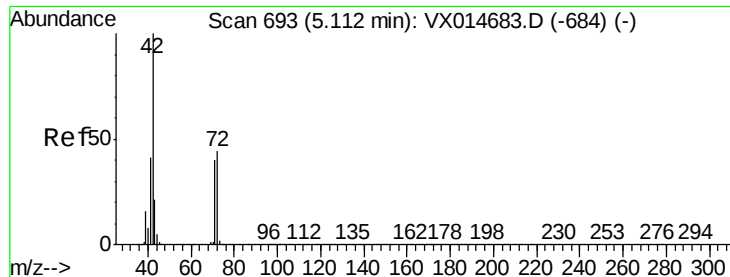
Tot Ion: 43 Resp: 4084
Ion Ratio Lower Upper
43 100
58 21.4 24.5 36.7#



#28
Bromochloromethane
Concen: 0.239 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX014707.D
Acq: 24 Jan 2020 19:16

Tgt Ion: 49 Resp: 864
Ion Ratio Lower Upper
49 100
129 35.8 0.0 4.8#
130 32.2 62.4 93.6#





#29

Tetrahydrofuran

Concen: 0.224 ug/l

RT: 5.23 min Scan# 712

Delta R.T. 0.12 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

0048-SITE-WATER

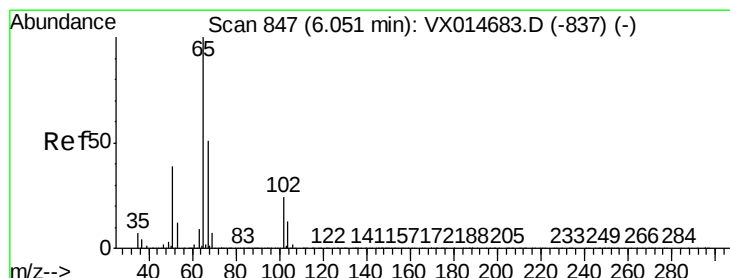
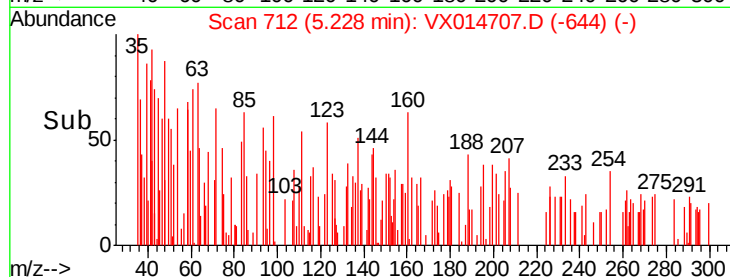
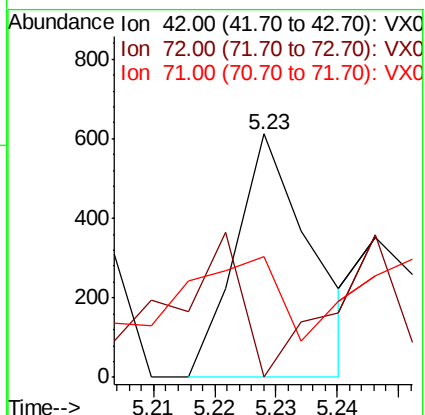
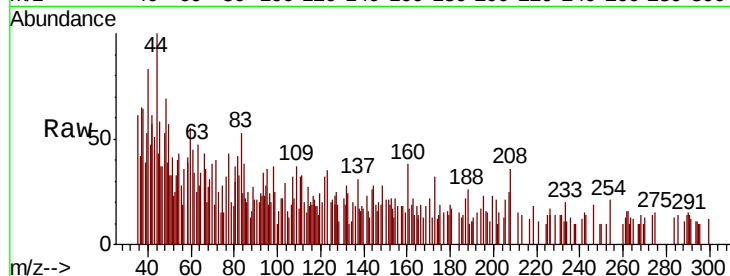
Tot Ion: 42 Resp: 521

Ion Ratio Lower Upper

42 100

72 51.1 35.3 52.9

71 41.3 33.1 49.7



#33

1,2-Dichloroethane-d4

Concen: 50.344 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014707.D

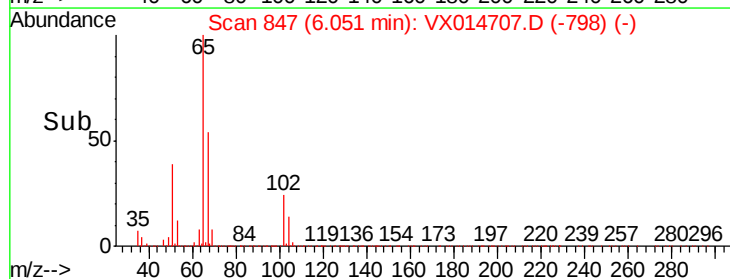
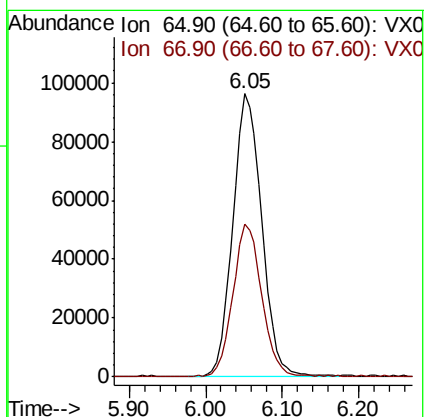
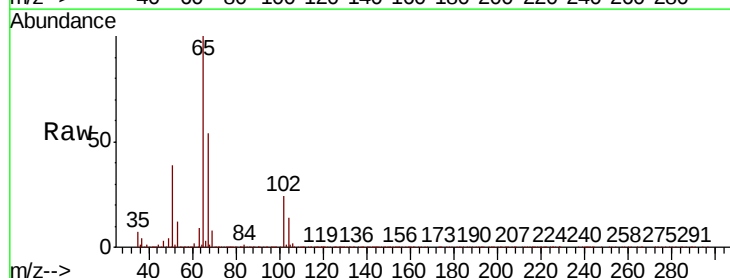
Acq: 24 Jan 2020 19:16

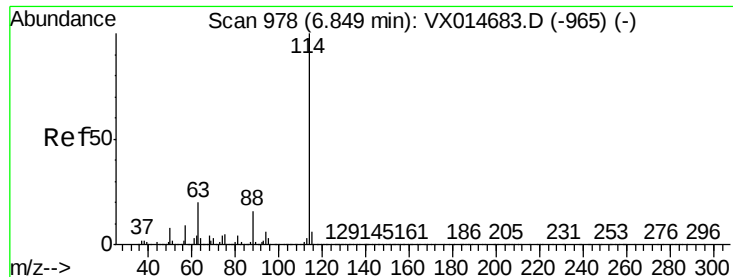
Tgt Ion: 65 Resp: 250974

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

0048-SITE-WATER

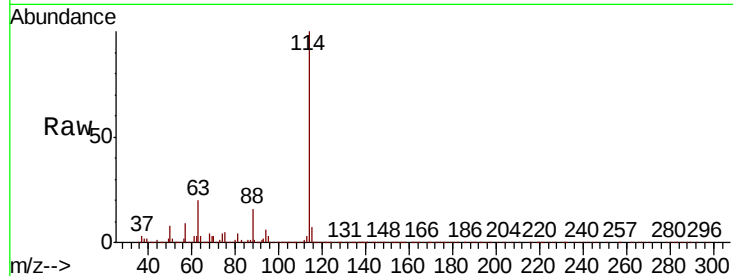
Tot Ion:114 Resp: 668318

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.6

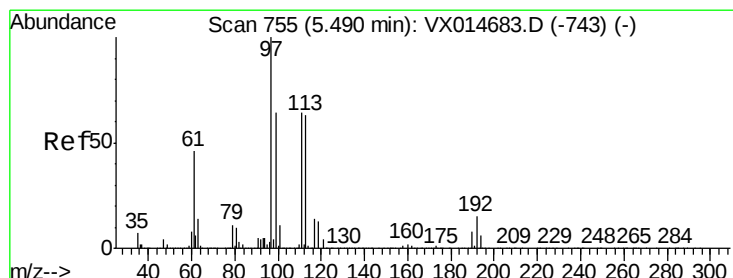
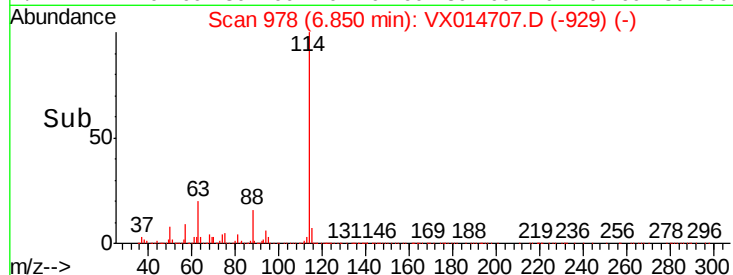
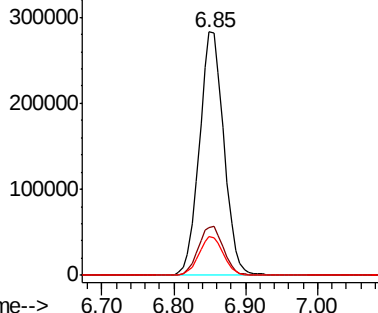
88 16.0 0.0 31.2



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: 48.750 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

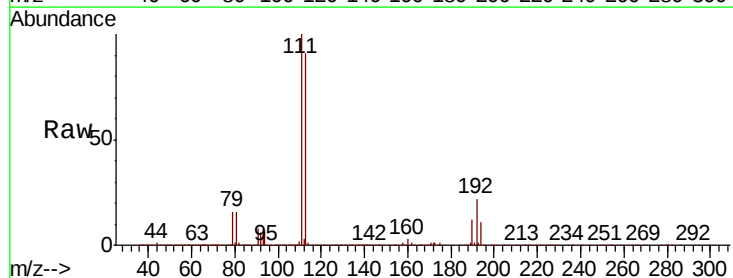
Tgt Ion:113 Resp: 205580

Ion Ratio Lower Upper

113 100

111 103.4 80.7 121.1

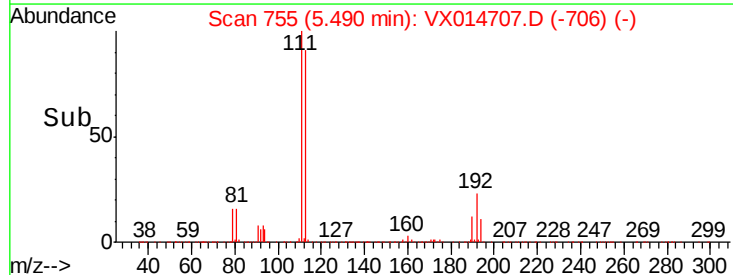
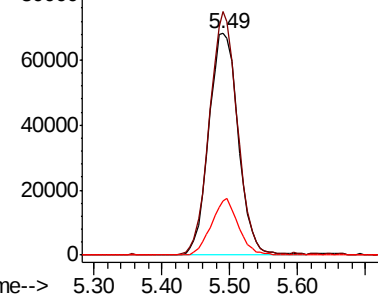
192 23.6 18.5 27.7

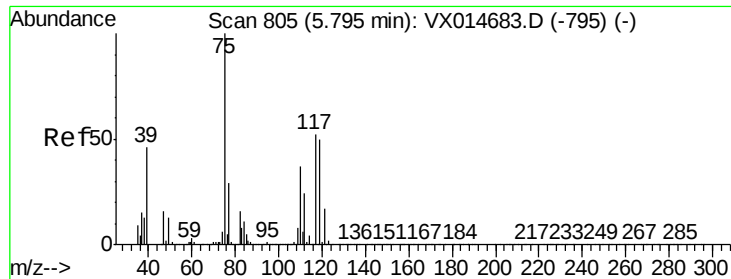


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

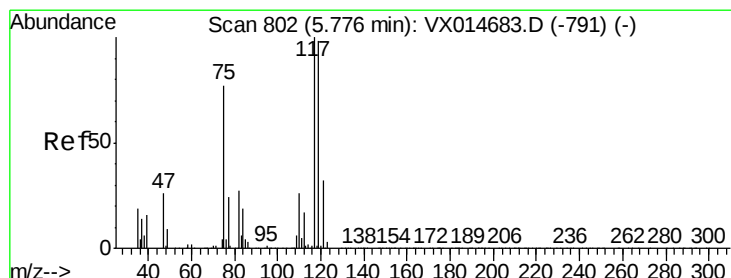
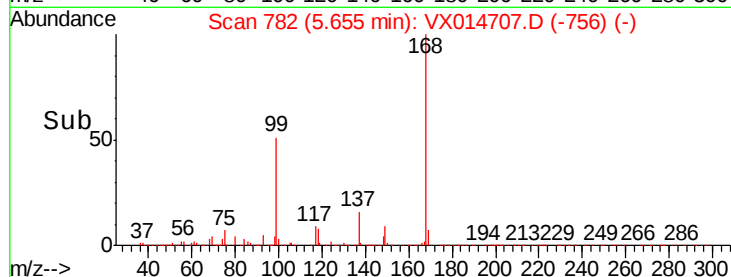
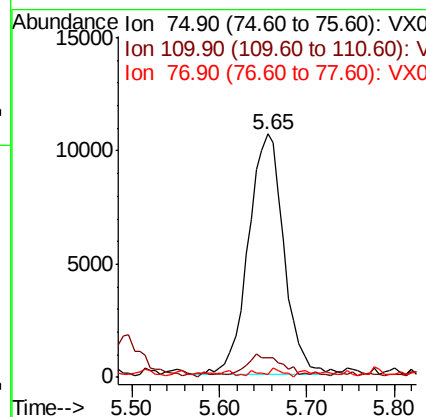
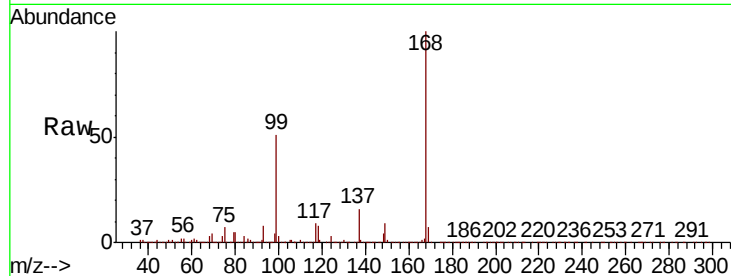




#36
 1,1-Dichloropropene
 Concen: 4.814 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014707.D
 Acq: 24 Jan 2020 19:16

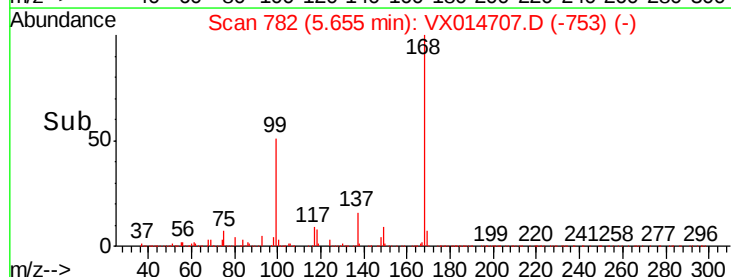
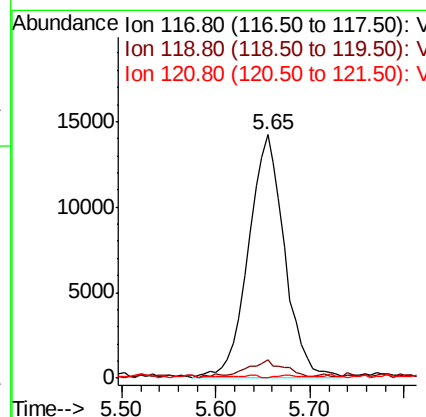
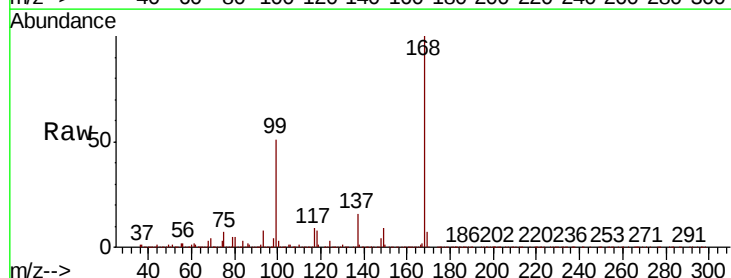
Instrument :
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 0048-SITE-WATER

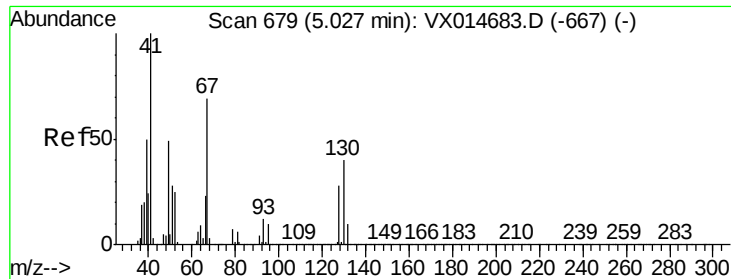
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.7#
77	1.3	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 6.467 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014707.D
 Acq: 24 Jan 2020 19:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	77.9	116.9#
121	0.0	25.4	38.2#

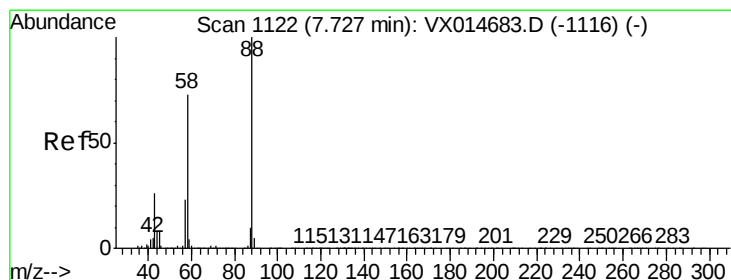
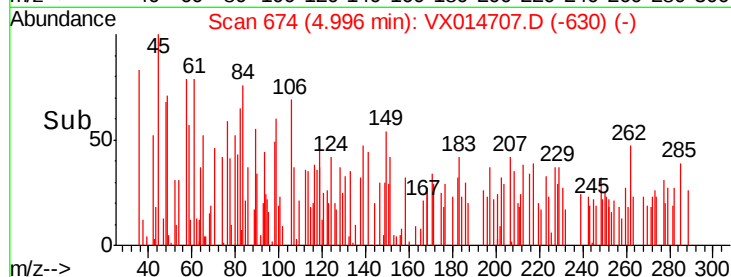
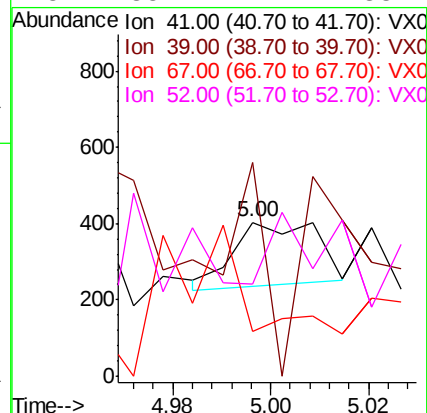
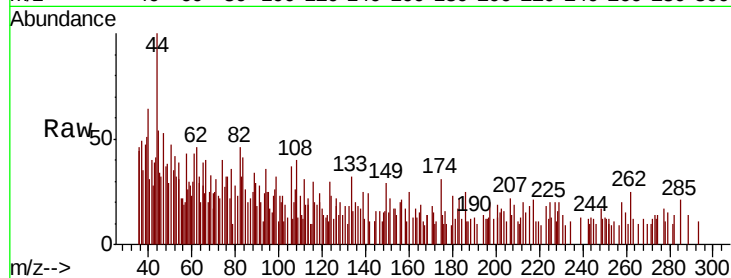




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.00 min Scan# 674
Delta R.T. -0.03 min
Lab File: VX014707.D
Acq: 24 Jan 2020 19:16

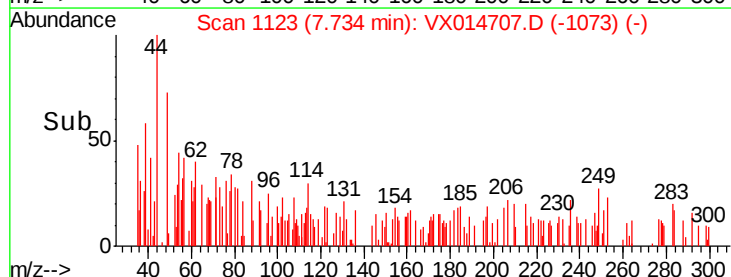
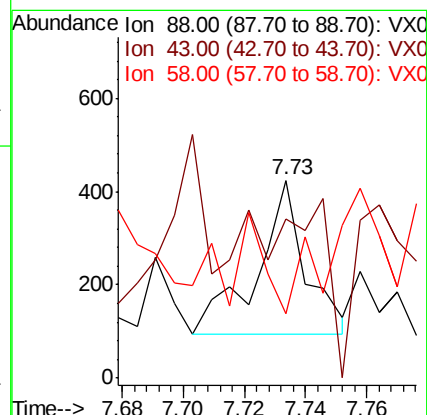
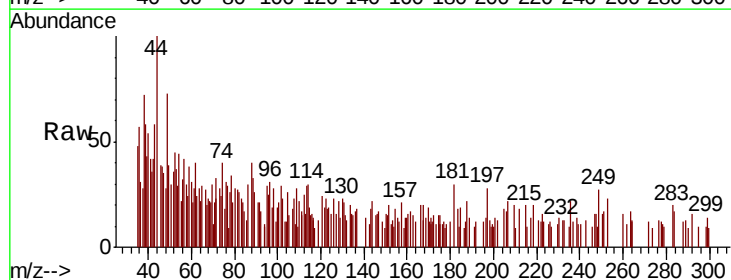
Instrument :
MSVOA_X
ClientSampleId :
0048-SITE-WATER

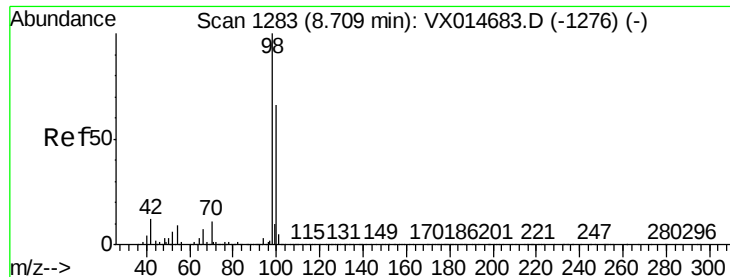
Tot Ion:	41	Resp:	195
Ion	Ratio	Lower	Upper
41	100		
39	324.1	42.2	63.2#
67	229.7	55.4	83.0#
52	235.4	22.1	33.1#



#49
1,4-Dioxane
Concen: 3.052 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX014707.D
Acq: 24 Jan 2020 19:16

Tgt Ion:	88	Resp:	360
Ion	Ratio	Lower	Upper
88	100		
43	19.7	26.2	39.2#
58	0.0	56.6	85.0#





#50

Toluene-d8

Concen: 49.040 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

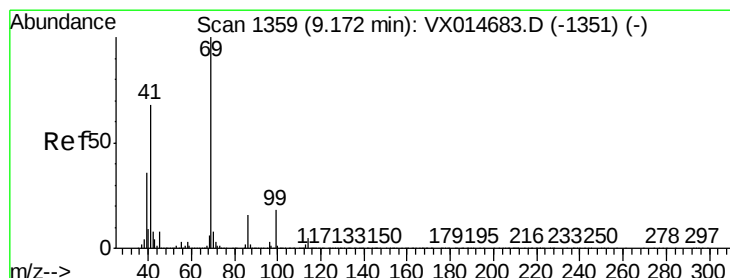
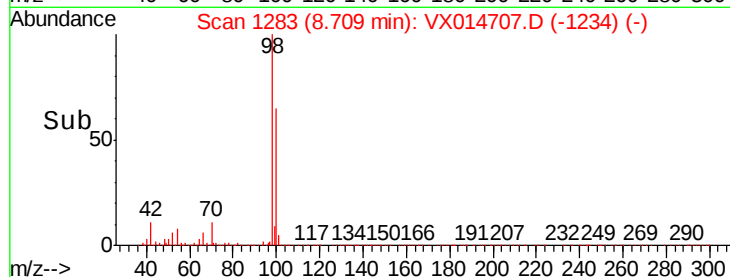
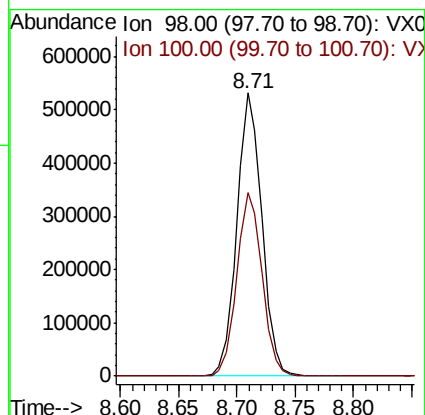
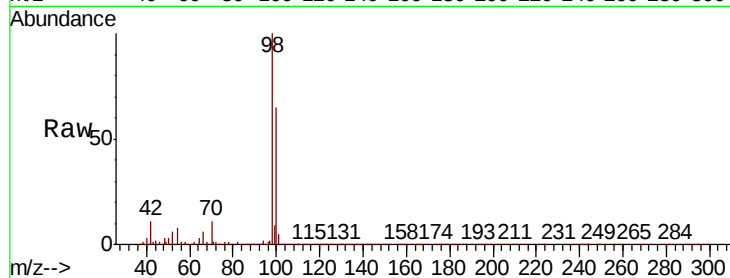
0048-SITE-WATER

Tot Ion: 98 Resp: 795040

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#56

Ethyl methacrylate

Concen: 1.802 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

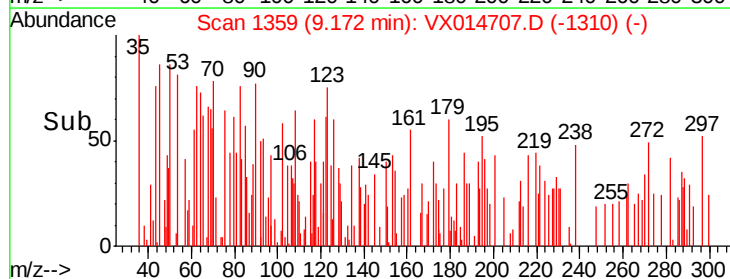
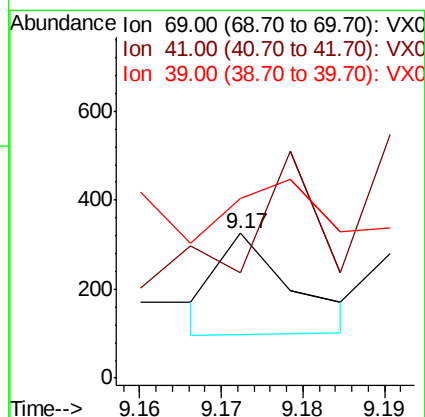
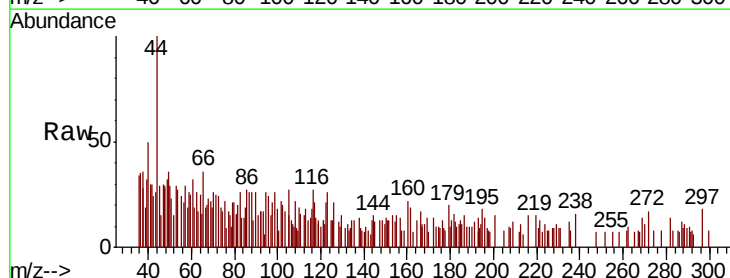
Tgt Ion: 69 Resp: 145

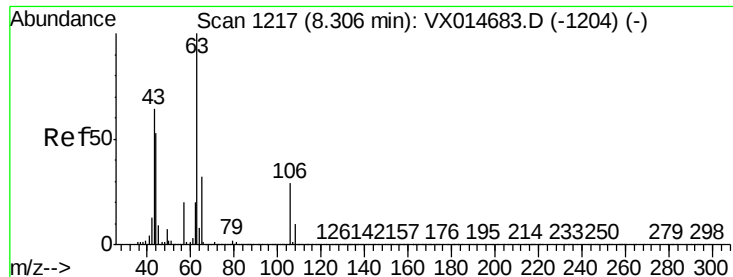
Ion Ratio Lower Upper

69 100

41 137.2 54.9 82.3#

39 55.9 29.3 43.9#

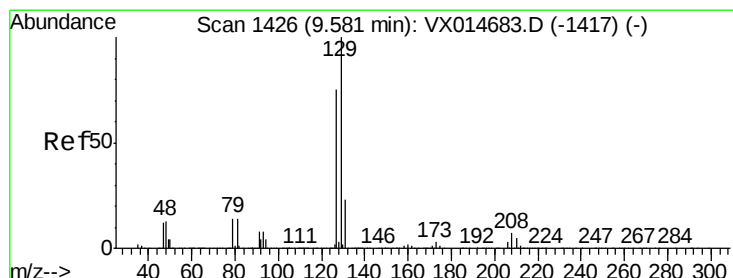
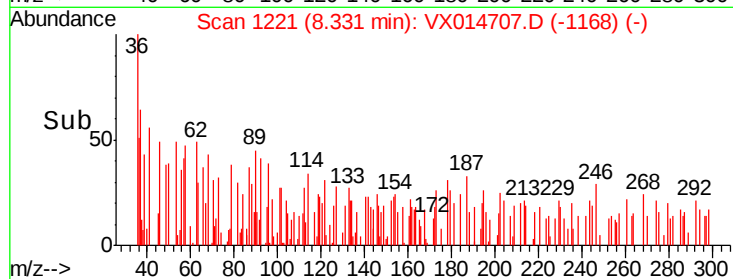
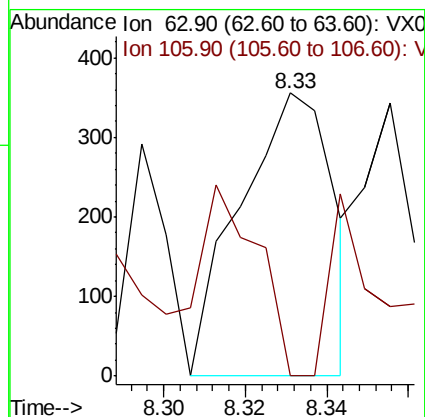
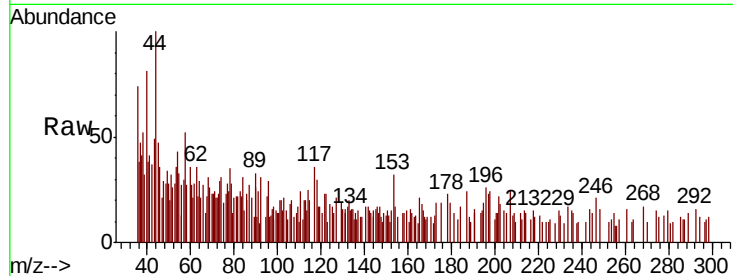




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.233 ug/l
 RT: 8.33 min Scan# 1221
 Delta R.T. 0.02 min
 Lab File: VX014707.D
 Acq: 24 Jan 2020 19:16

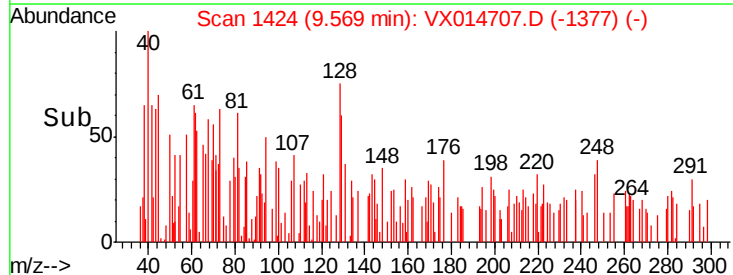
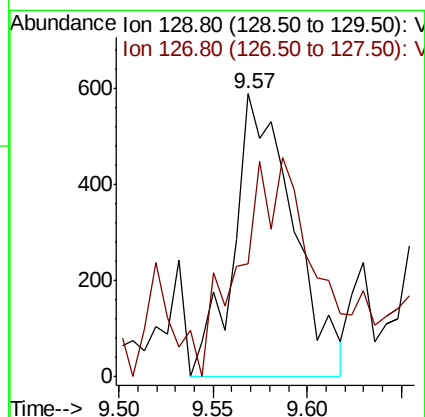
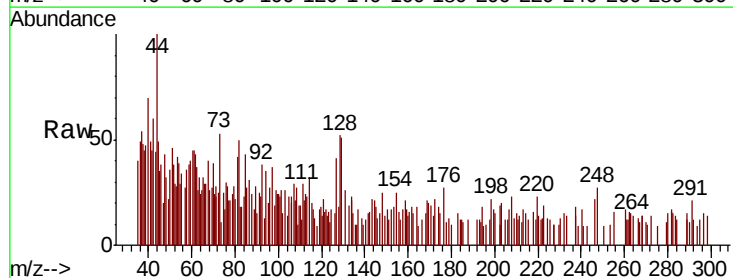
Instrument :
 MSVOA_X
 ClientSampleId :
 0048-SITE-WATER

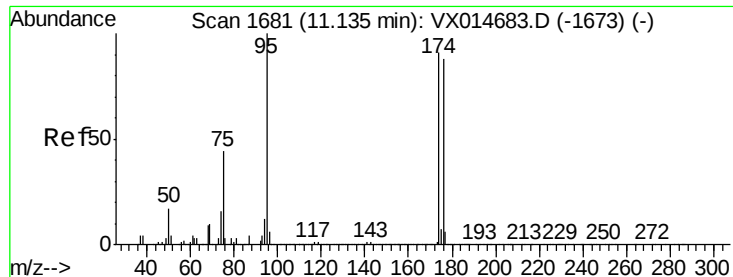
Tot Ion: 63 Resp: 567
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.7 34.1



#60
 Dibromochloromethane
 Concen: 0.255 ug/l
 RT: 9.57 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: VX014707.D
 Acq: 24 Jan 2020 19:16

Tgt Ion: 129 Resp: 1285
 Ion Ratio Lower Upper
 129 100
 127 95.5 38.5 115.5





#62

4-Bromofluorobenzene

Concen: 45.063 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

0048-SITE-WATER

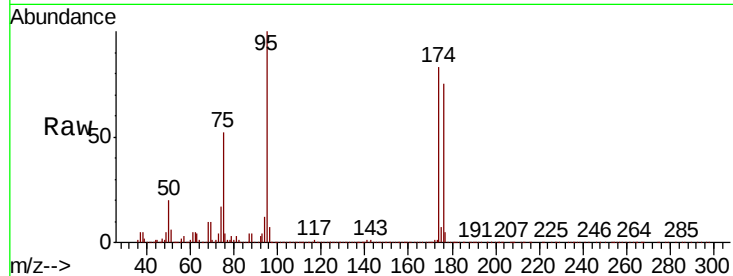
Tot Ion: 95 Resp: 260242

Ion Ratio Lower Upper

95 100

174 90.6 0.0 176.0

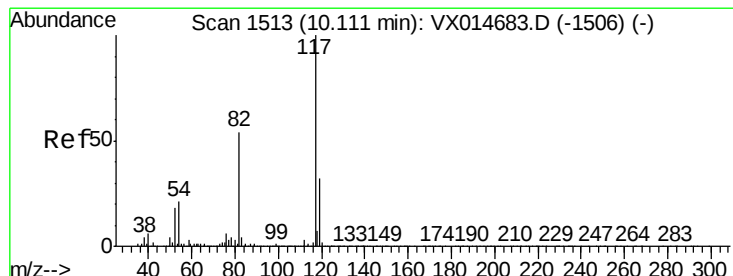
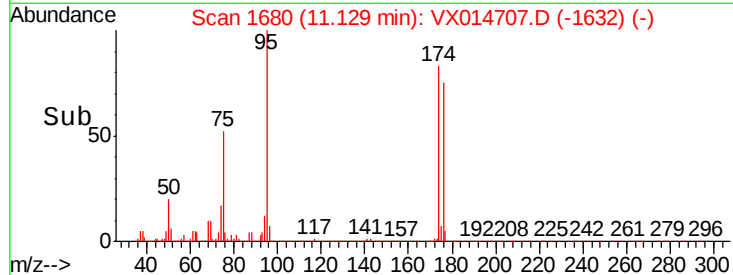
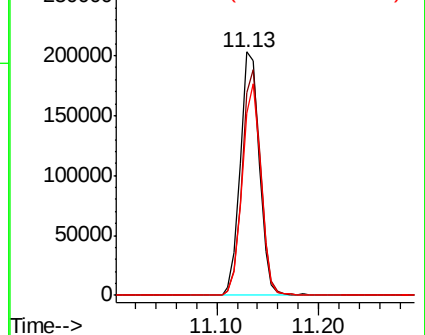
176 85.5 0.0 172.2



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: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

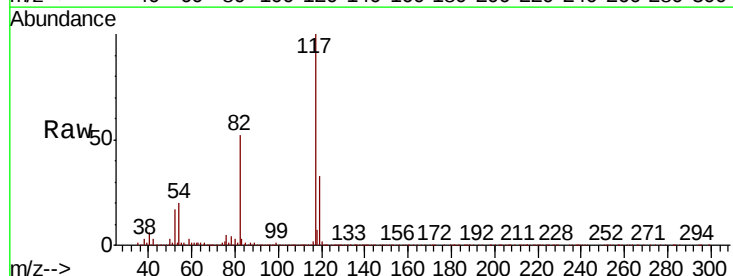
Tgt Ion: 117 Resp: 601967

Ion Ratio Lower Upper

117 100

82 52.4 43.2 64.8

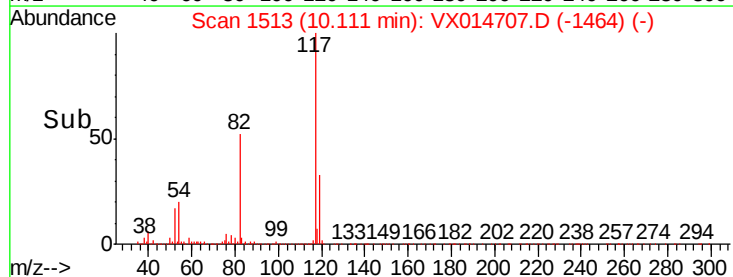
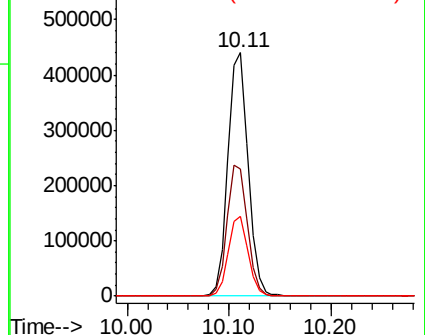
119 32.6 25.8 38.6

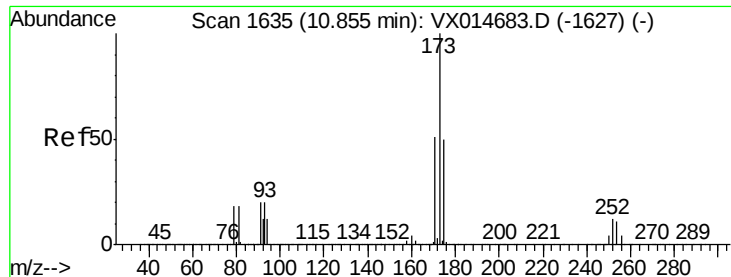


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

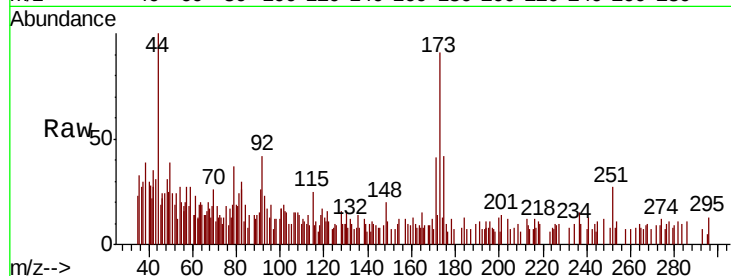




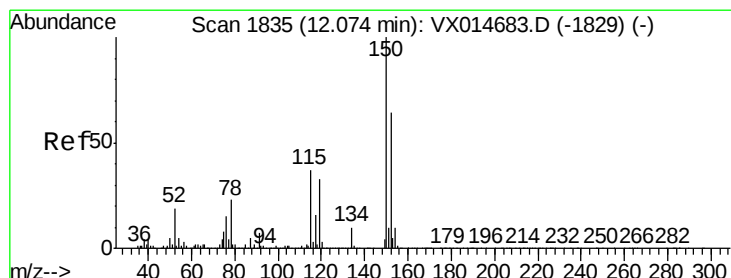
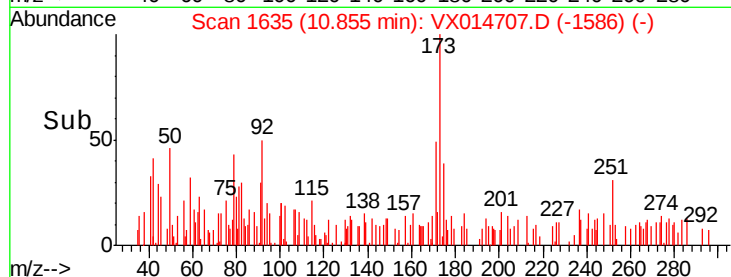
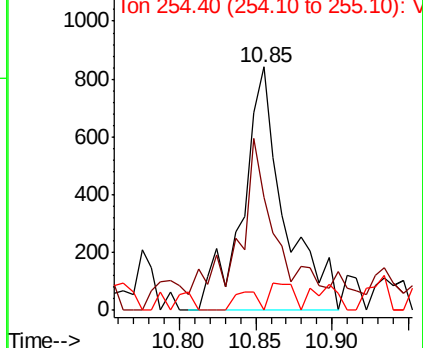
#71
Bromoform
Concen: 0.420 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014707.D
Acq: 24 Jan 2020 19:16

Instrument :
MSVOA_X
ClientSampleId :
0048-SITE-WATER

Tot Ion:173 Resp: 1586
Ion Ratio Lower Upper
173 100
175 49.9 24.6 73.6
254 6.4 0.1 0.1#

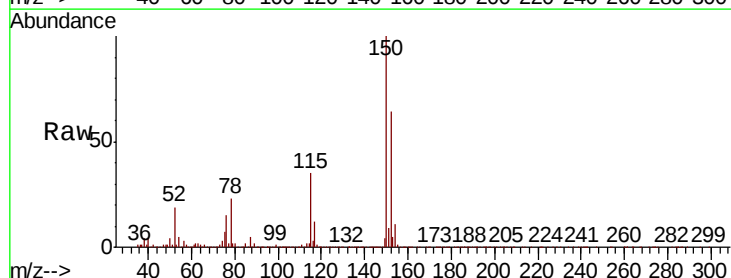


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

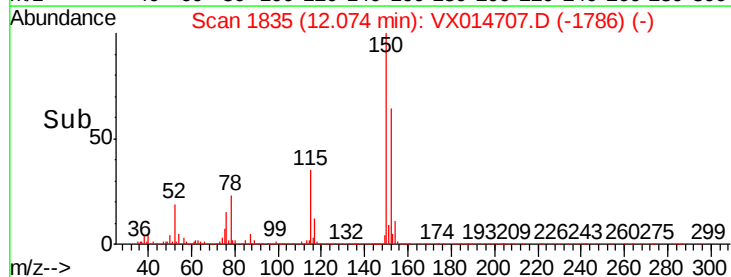
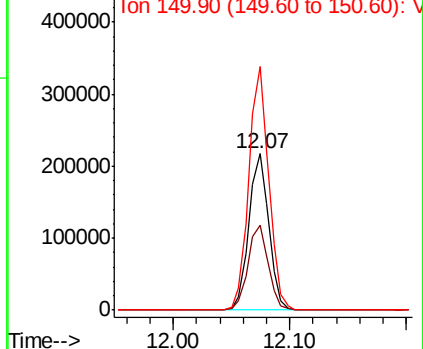


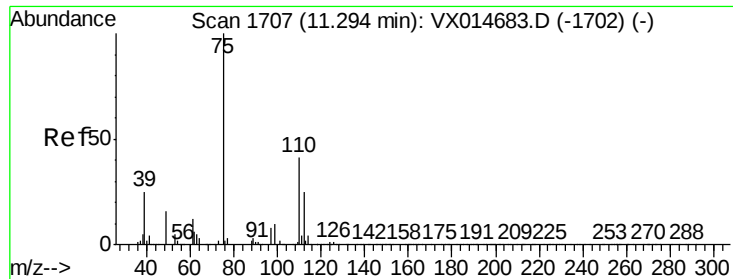
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014707.D
Acq: 24 Jan 2020 19:16

Tgt Ion:152 Resp: 261001
Ion Ratio Lower Upper
152 100
115 55.4 39.4 118.1
150 155.2 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: 21.542 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

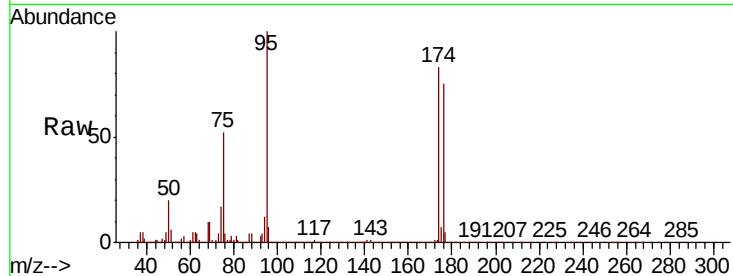
0048-SITE-WATER

Tot Ion: 75 Resp: 130808

Ion Ratio Lower Upper

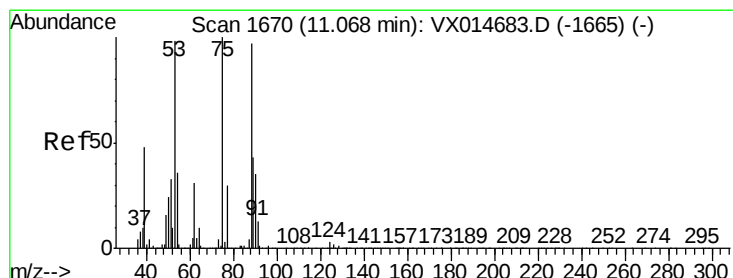
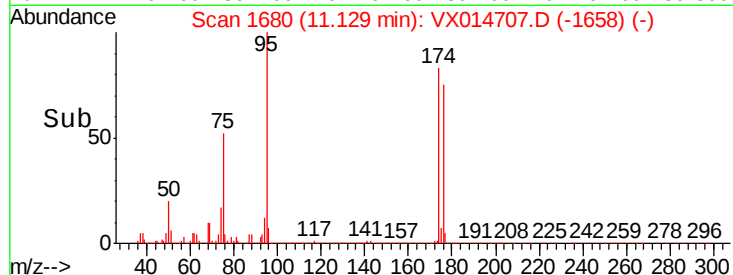
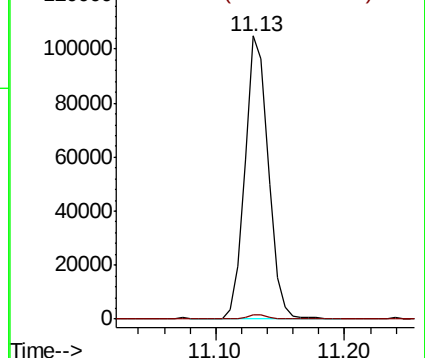
75 100

77 1.7 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: 61.303 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

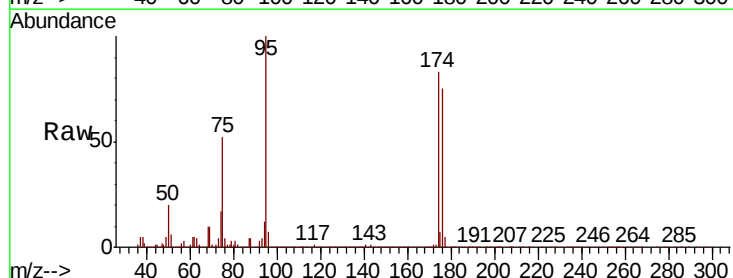
Tgt Ion: 75 Resp: 130808

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

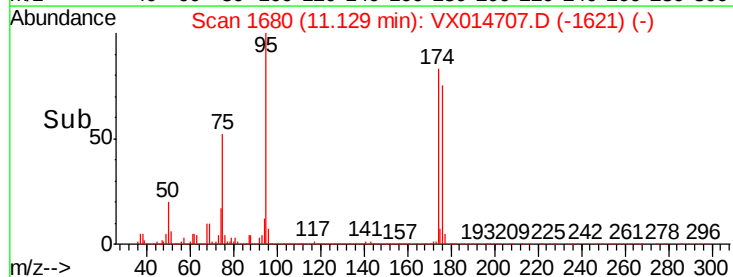
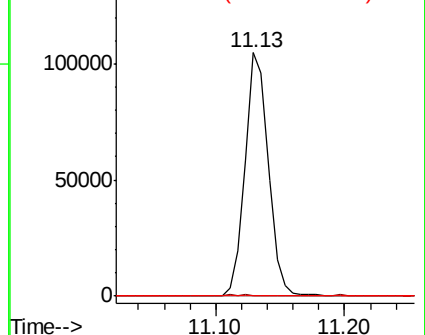
89 0.2 35.4 53.0#

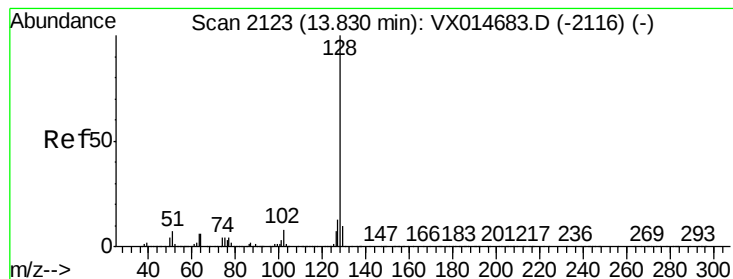


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 1.002 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014707.D

Acq: 24 Jan 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

0048-SITE-WATER

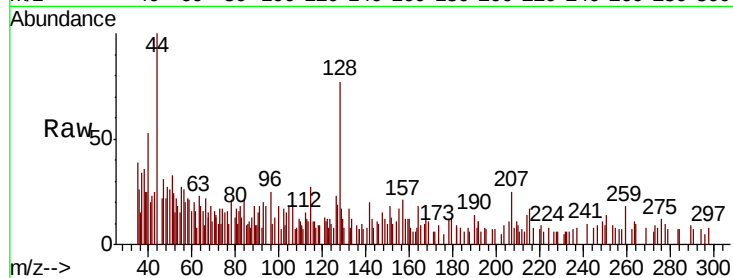
Tot Ion:128 Resp: 1315

Ion Ratio Lower Upper

128 100

127 31.7 10.3 15.5#

129 36.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

