

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014245.D
 Acq On : 24 Dec 2019 15:15
 Operator : JC/SP
 Sample : K6406-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C-WATER_12.20.19

Quant Time: Dec 26 14:15:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	538616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	821453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	744893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	347884	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	296714	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	5.49	113	245850	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	8.71	98	975965	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.13	95	334869	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

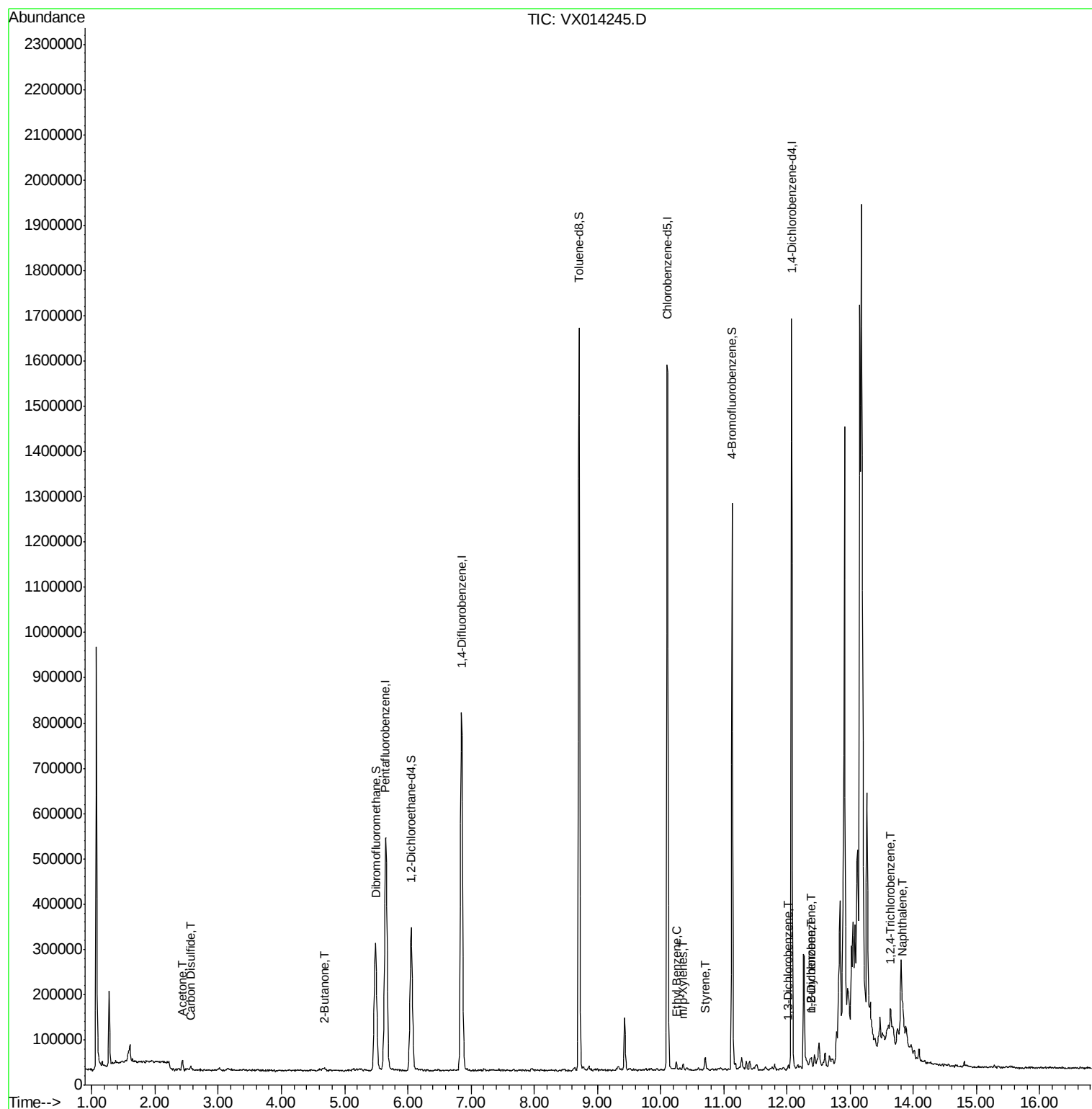
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	24051	6.069	ug/l	95
17) Carbon Disulfide	2.56	76	12034	1.574	ug/l #	92
25) 2-Butanone	4.67	43	11835	2.422	ug/l #	84
67) Ethyl Benzene	10.25	91	12603	0.463	ug/l #	84
68) m/p-Xylenes	10.35	106	4187	0.400	ug/l	100
70) Styrene	10.71	104	12909	0.743	ug/l	95
87) 1,3-Dichlorobenzene	12.03	146	3289	0.278	ug/l	99
89) n-Butylbenzene	12.39	91	4719	0.255	ug/l	71
91) 1,2-Dichlorobenzene	12.39	146	3223	0.271	ug/l	88
93) 1,2,4-Trichlorobenzene	13.64	180	4577	0.592	ug/l #	91
95) Naphthalene	13.83	128	13515	0.595	ug/l #	86

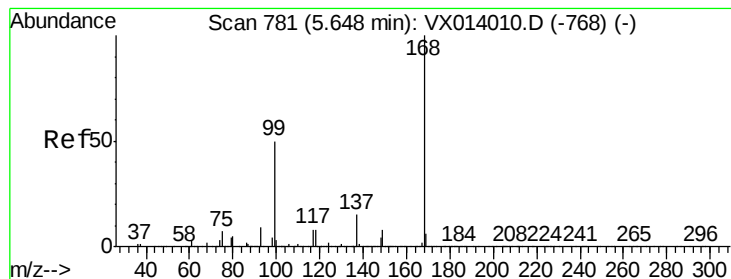
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122419\
Data File : VX014245.D
Acq On : 24 Dec 2019 15:15
Operator : JC/SP
Sample : K6406-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
C-WATER_12.20.19

Quant Time: Dec 26 14:15:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

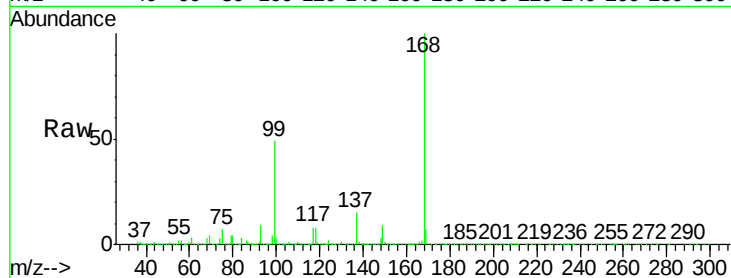
C-WATER_12.20.19

Tot Ion:168 Resp: 538616

Ion Ratio Lower Upper

168 100

99 48.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

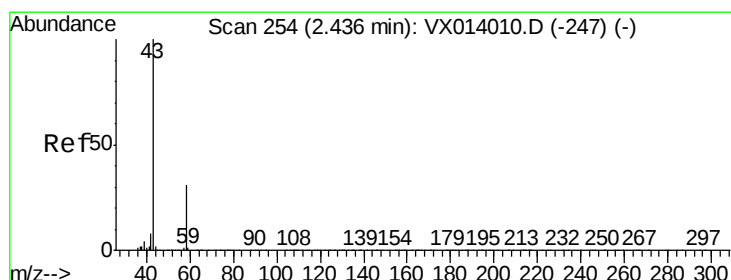
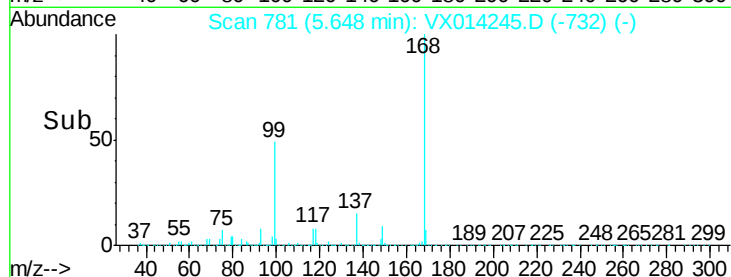
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.069 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014245.D

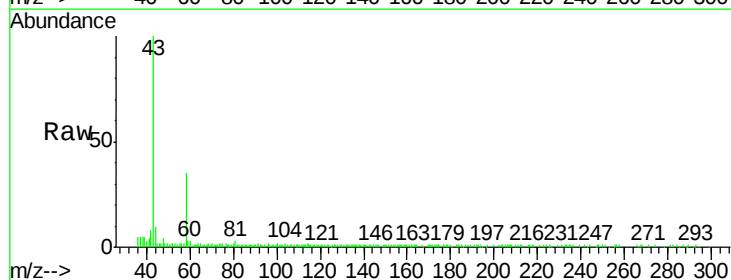
Acq: 24 Dec 2019 15:15

Tgt Ion: 43 Resp: 24051

Ion Ratio Lower Upper

43 100

58 33.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

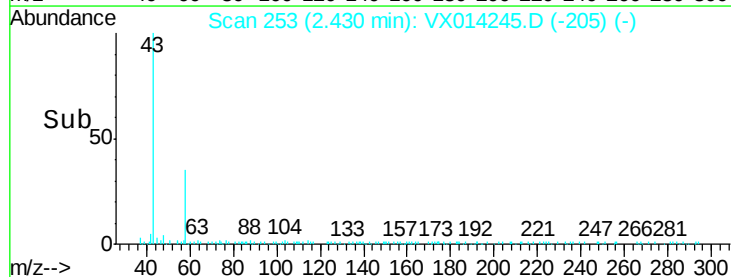
15000

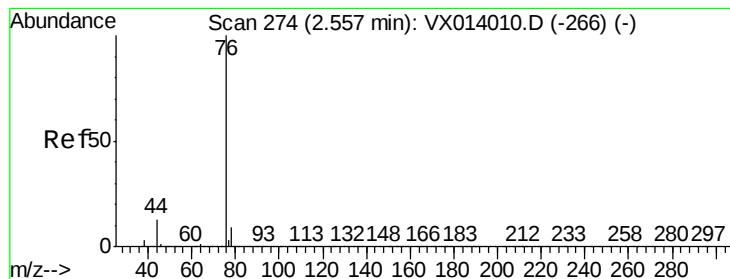
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 1.574 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

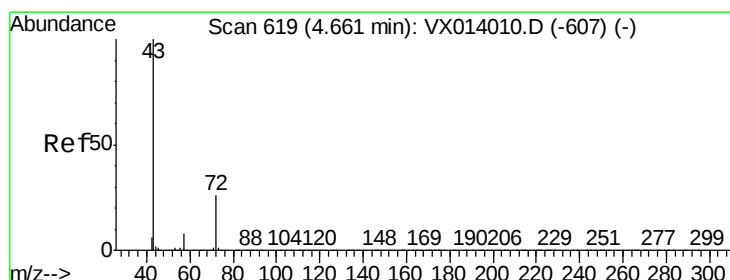
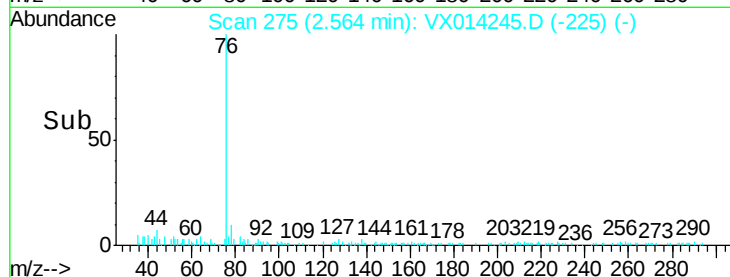
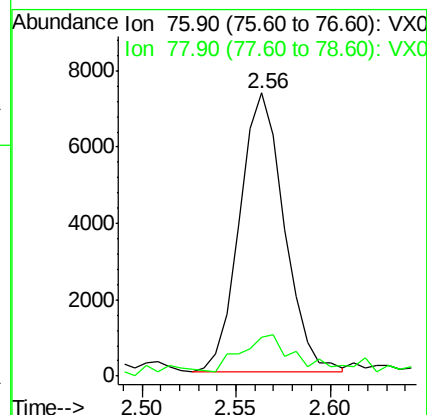
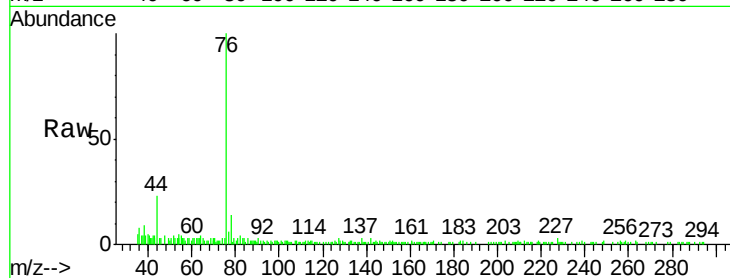
C-WATER_12.20.19

Tot Ion: 76 Resp: 12034

Ion Ratio Lower Upper

76 100

78 11.7 7.2 10.8#



#25

2-Butanone

Concen: 2.422 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX014245.D

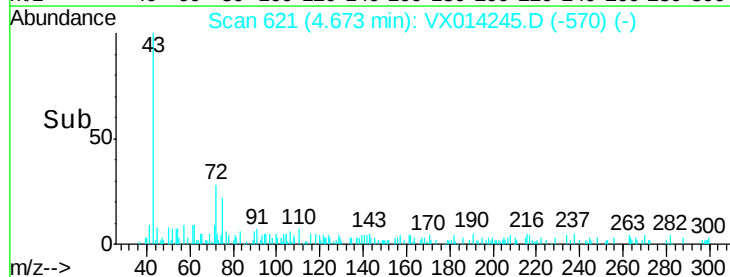
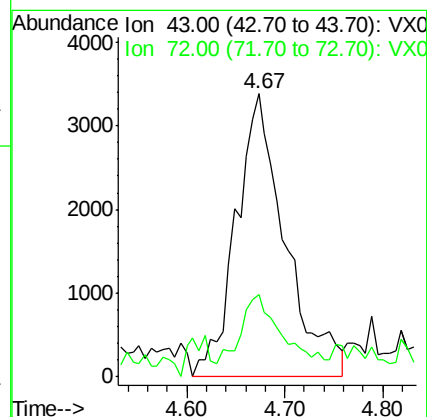
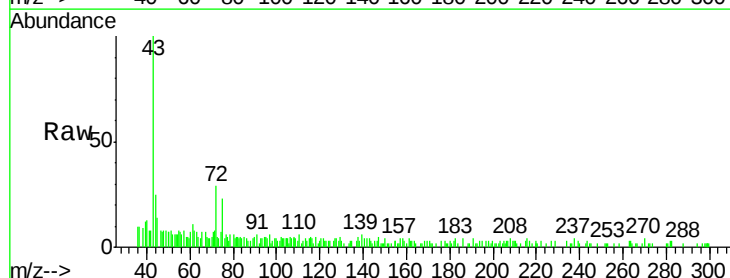
Acq: 24 Dec 2019 15:15

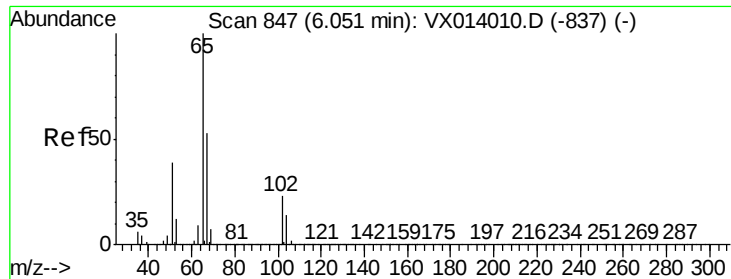
Tgt Ion: 43 Resp: 11835

Ion Ratio Lower Upper

43 100

72 18.2 21.0 31.4#





#33

1,2-Dichloroethane-d4

Concen: 48.606 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

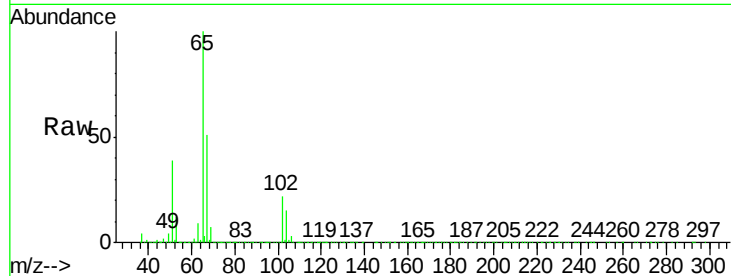
C-WATER_12.20.19

Tot Ion: 65 Resp: 296714

Ion Ratio Lower Upper

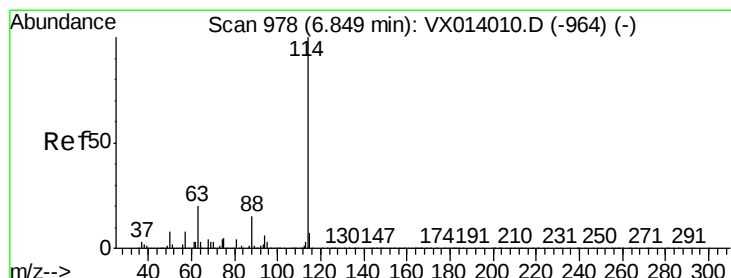
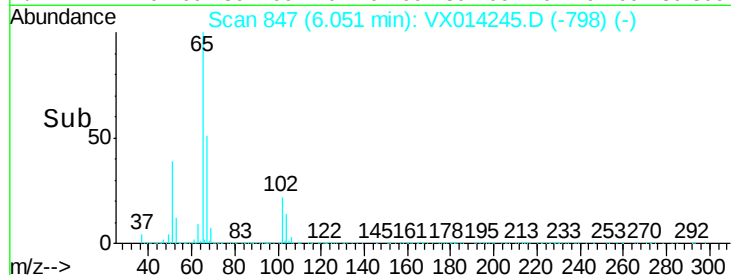
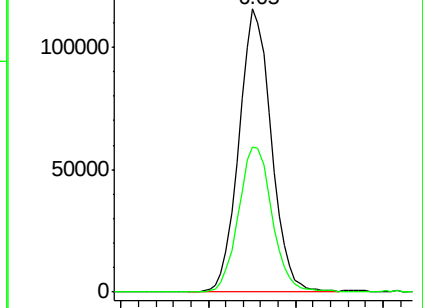
65 100

67 52.9 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

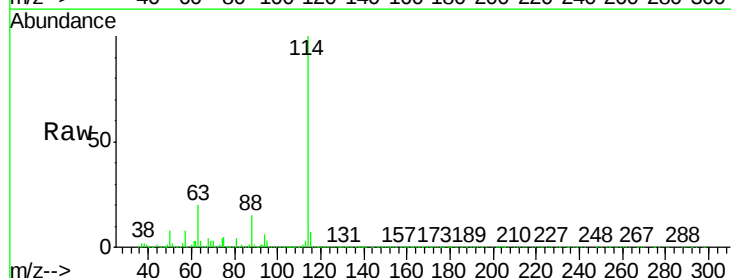
Tgt Ion: 114 Resp: 821453

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

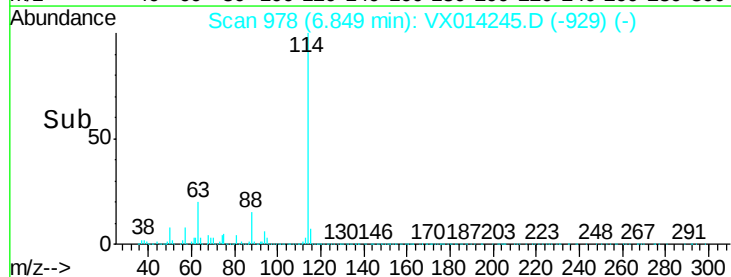
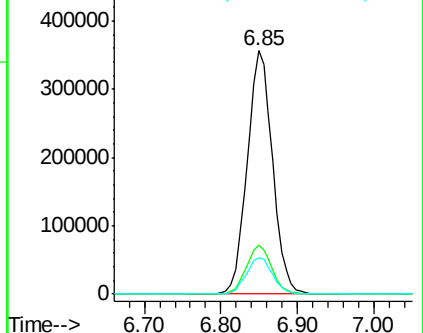
88 14.8 0.0 30.4

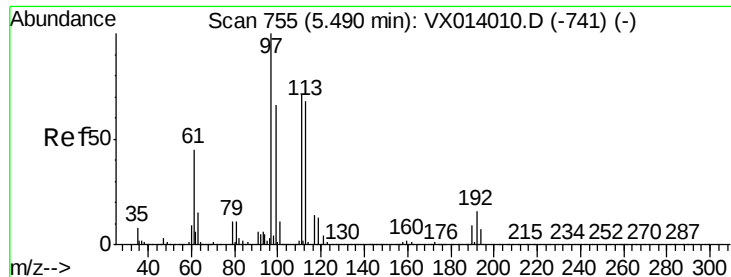


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.234 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

C-WATER_12.20.19

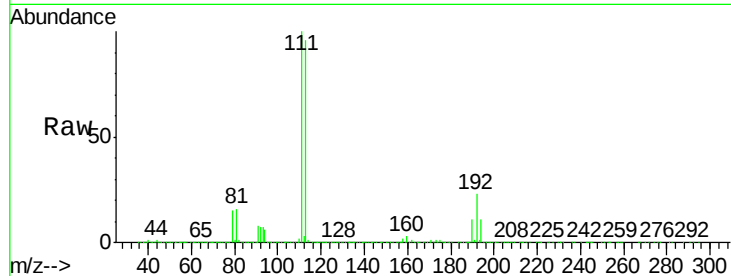
Tot Ion:113 Resp: 245850

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

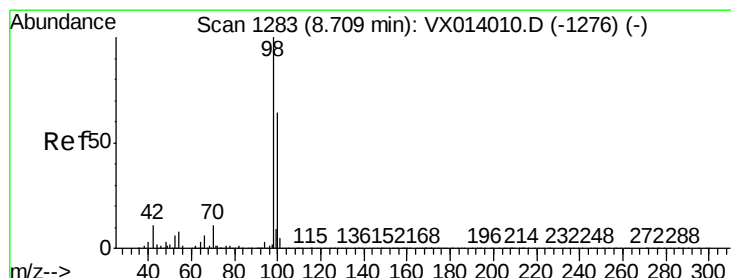
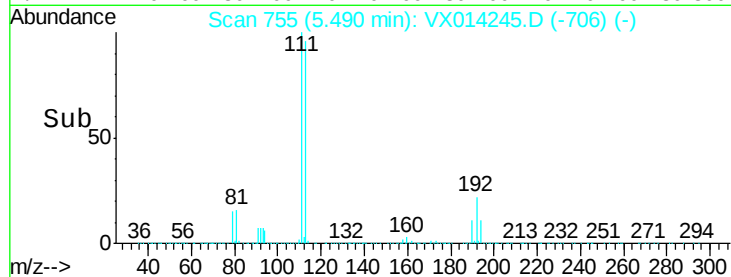
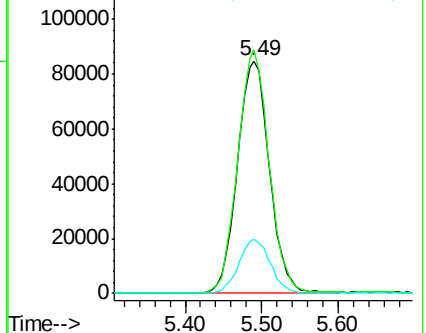
192 22.8 19.3 28.9



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



#50

Toluene-d8

Concen: 50.201 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014245.D

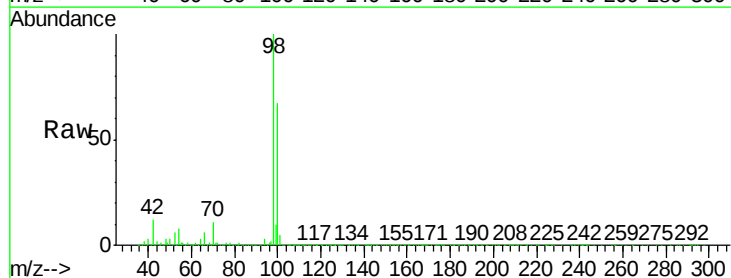
Acq: 24 Dec 2019 15:15

Tgt Ion: 98 Resp: 975965

Ion Ratio Lower Upper

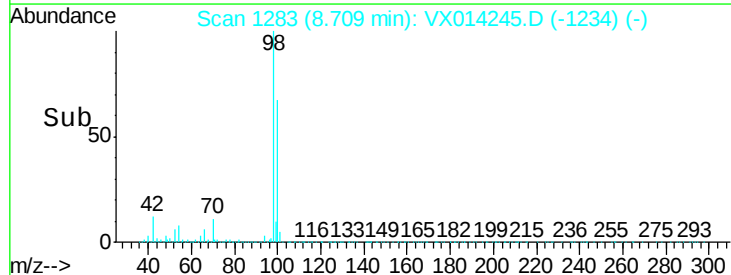
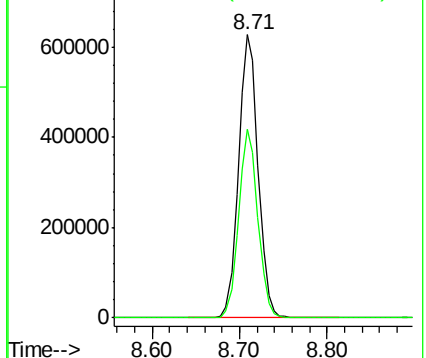
98 100

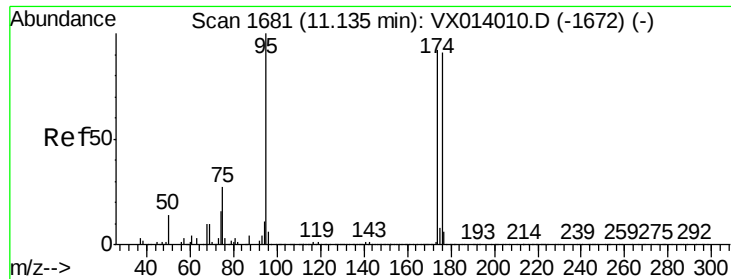
100 65.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.121 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

C-WATER_12.20.19

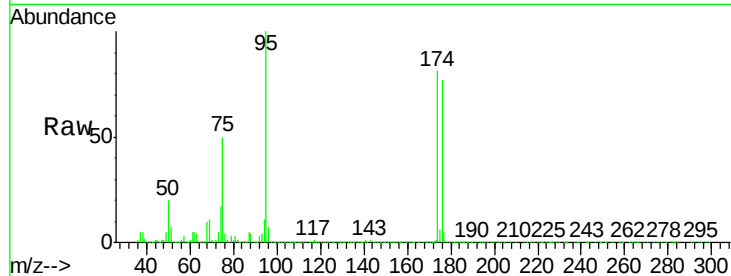
Tot Ion: 95 Resp: 334869

Ion Ratio Lower Upper

95 100

174 90.2 0.0 175.8

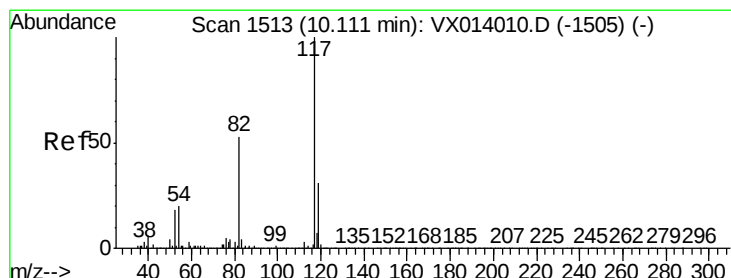
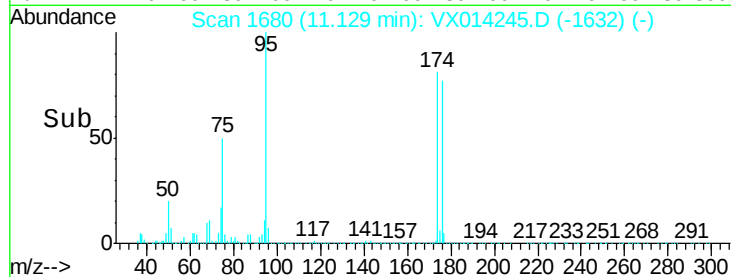
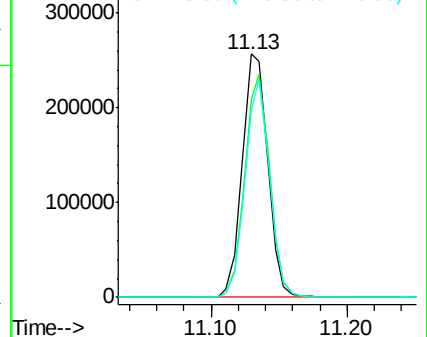
176 85.9 0.0 173.0



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: VX014245.D

Acq: 24 Dec 2019 15:15

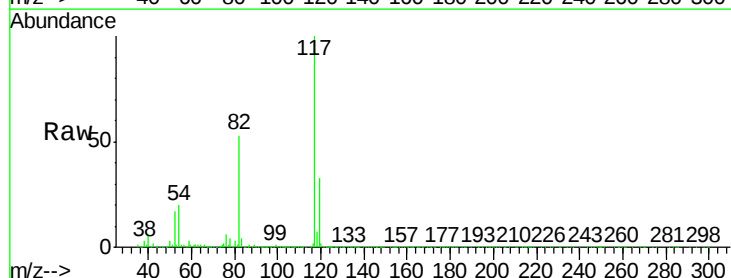
Tgt Ion: 117 Resp: 744893

Ion Ratio Lower Upper

117 100

82 53.1 42.2 63.4

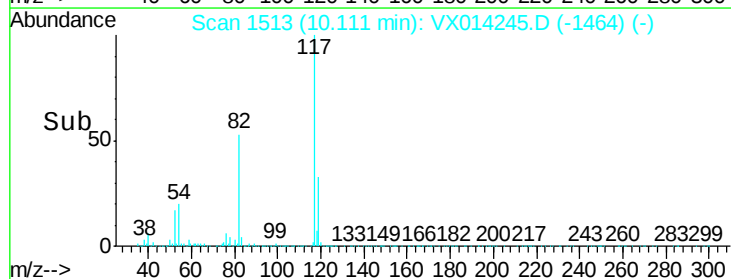
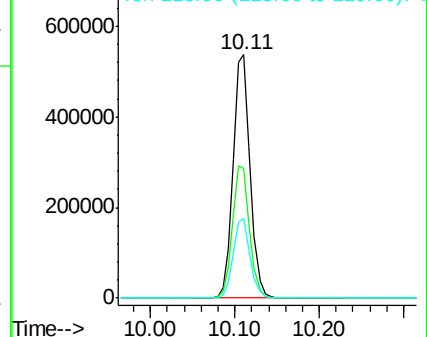
119 32.7 25.1 37.7

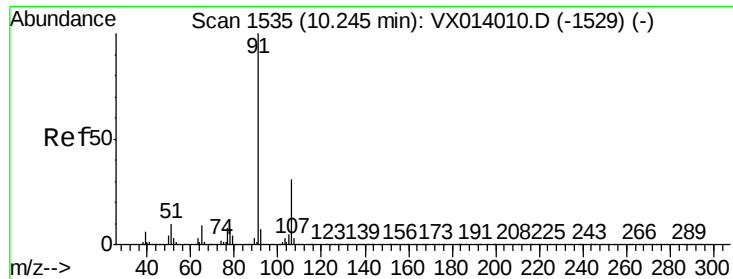


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 0.463 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

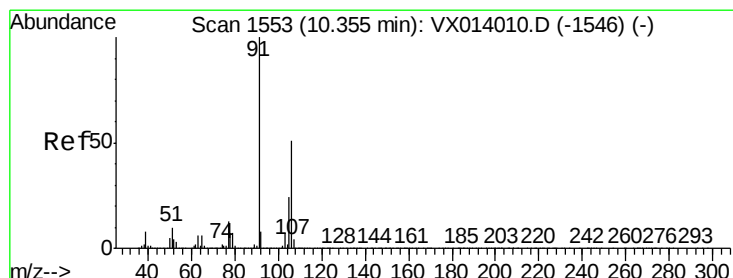
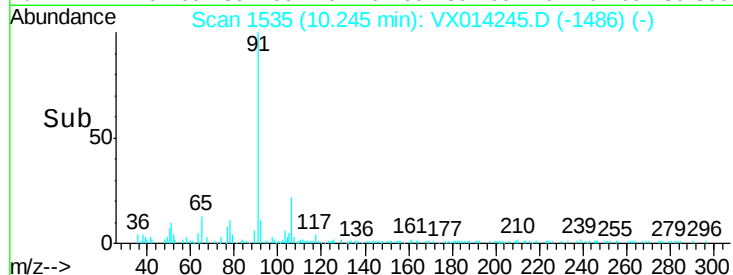
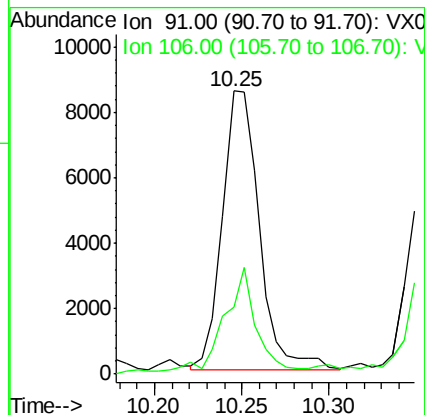
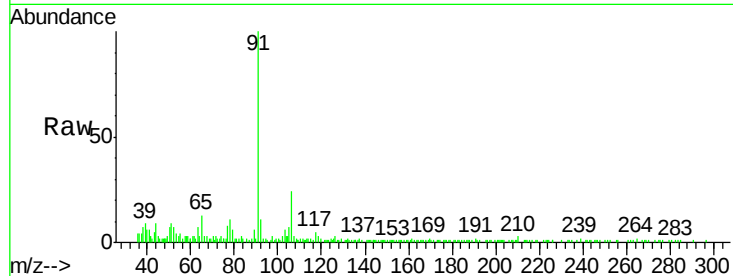
C-WATER_12.20.19

Tot Ion: 91 Resp: 12603

Ion Ratio Lower Upper

91 100

106 22.4 25.0 37.6#



#68

m/p-Xylenes

Concen: 0.400 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014245.D

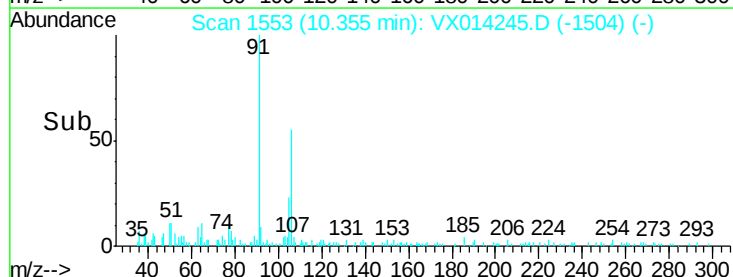
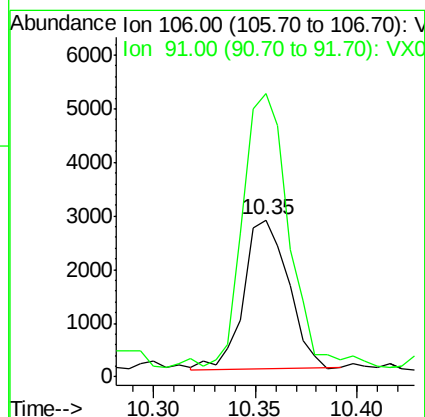
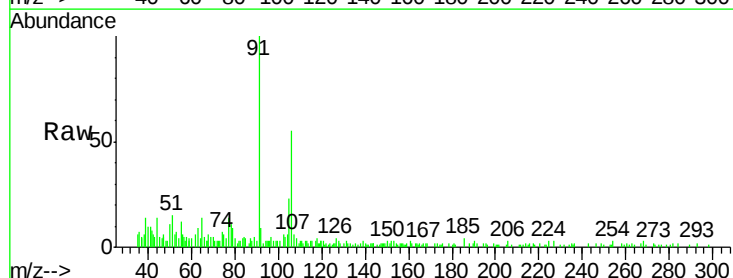
Acq: 24 Dec 2019 15:15

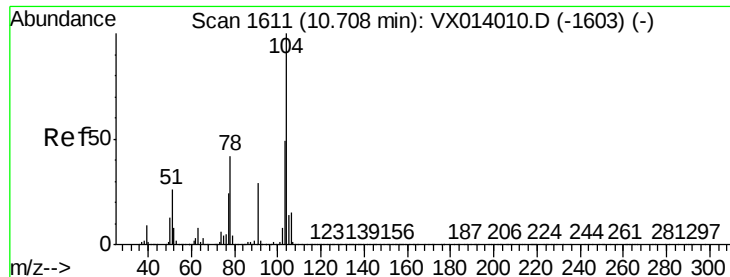
Tgt Ion: 106 Resp: 4187

Ion Ratio Lower Upper

106 100

91 197.8 158.6 238.0

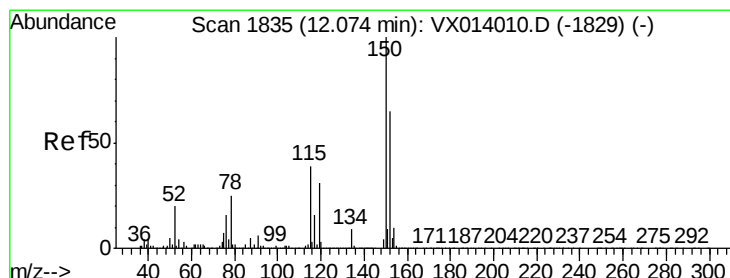
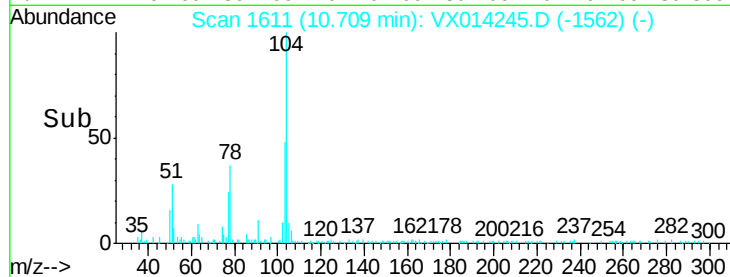
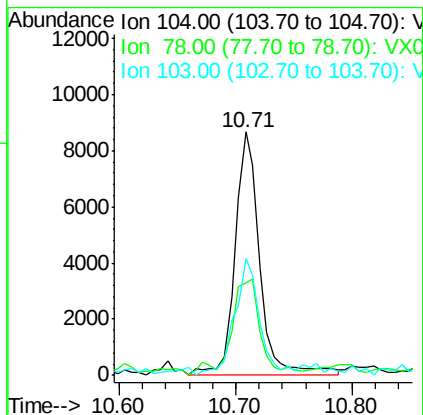
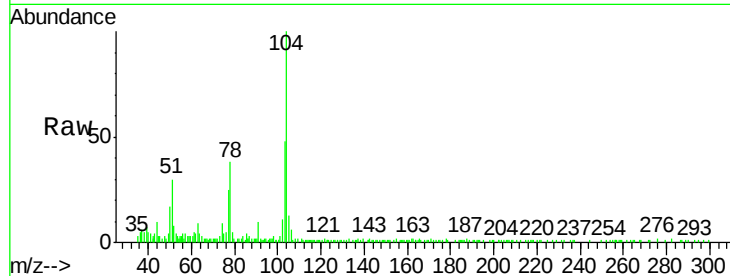




#70
Stvrene
Concen: 0.743 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014245.D
Acq: 24 Dec 2019 15:15

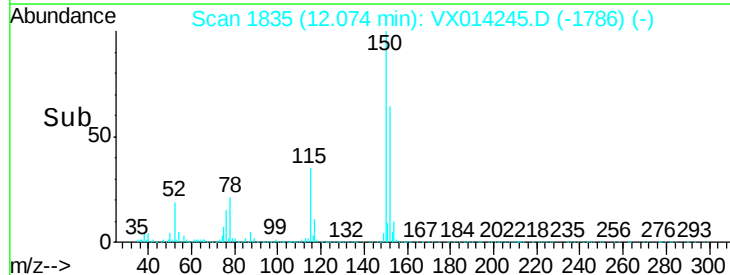
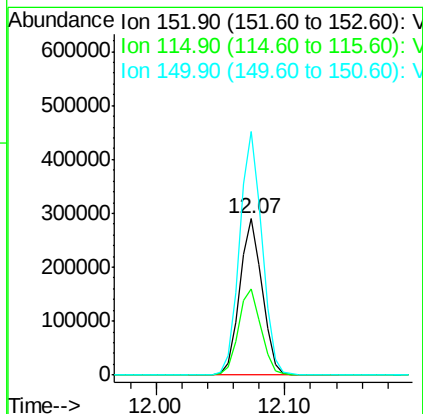
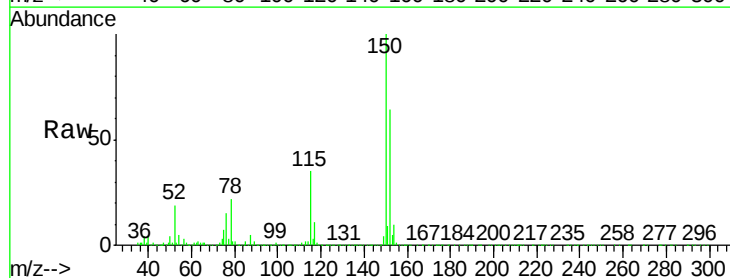
Instrument :
MSVOA_X
ClientSampleId :
C-WATER_12.20.19

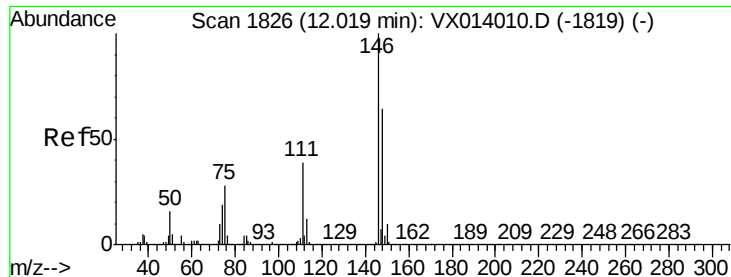
Tot Ion:104 Resp: 12909
Ion Ratio Lower Upper
104 100
78 47.0 38.5 57.7
103 48.4 42.9 64.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014245.D
Acq: 24 Dec 2019 15:15

Tgt Ion:152 Resp: 347884
Ion Ratio Lower Upper
152 100
115 55.8 38.3 114.9
150 156.5 0.0 345.4





#87

1,3-Dichlorobenzene

Concen: 0.278 ug/l

RT: 12.03 min Scan# 1827

Delta R.T. 0.01 min

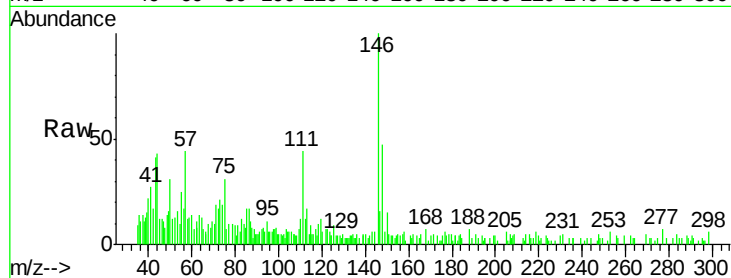
Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

Instrument :
MSVOA_X
ClientSampleId :
C-WATER_12.20.19

Tot Ion:146 Resp: 3289

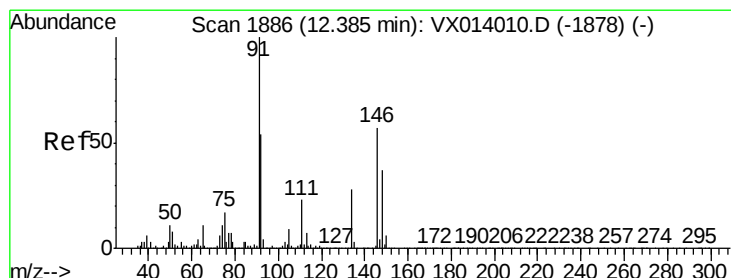
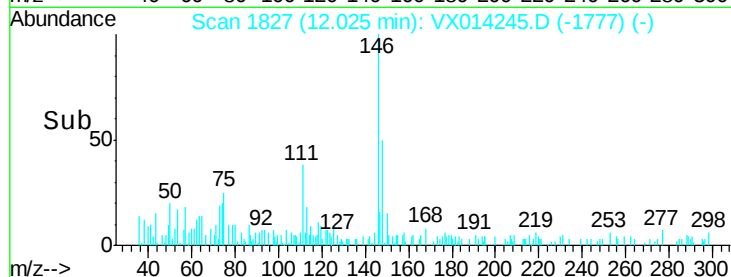
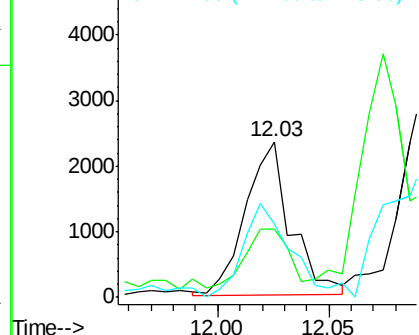
Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	63.3	32.3	96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.255 ug/l

RT: 12.39 min Scan# 1886

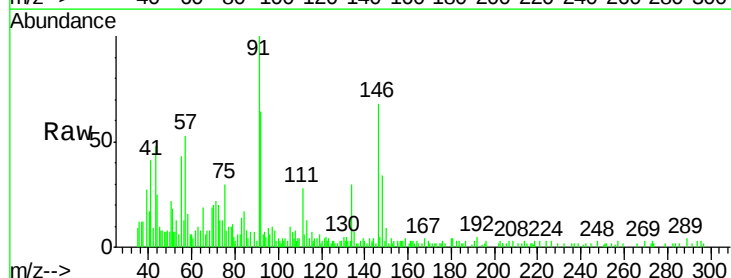
Delta R.T. 0.00 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

Tgt Ion: 91 Resp: 4719

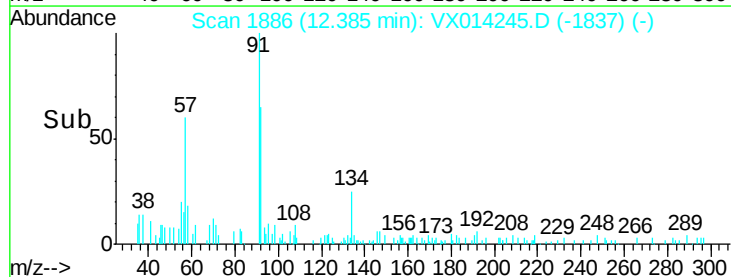
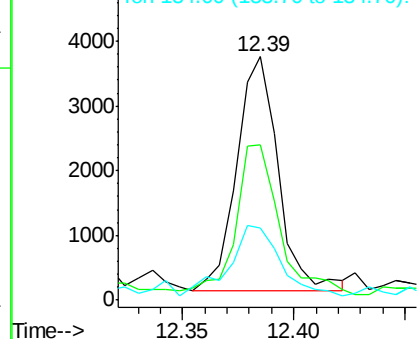
Ion	Ratio	Lower	Upper
91	100		
92	76.6	27.2	81.6
134	39.4	13.4	40.1

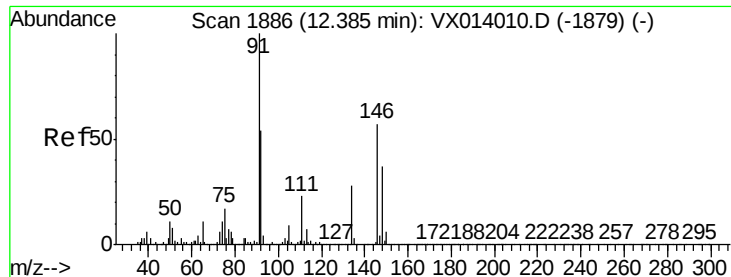


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.271 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

C-WATER_12.20.19

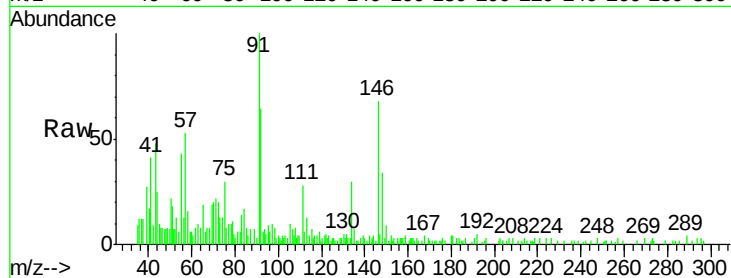
Tot Ion:146 Resp: 3223

Ion Ratio Lower Upper

146 100

111 47.1 19.7 59.1

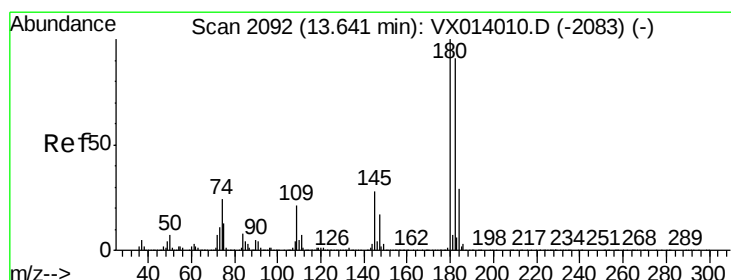
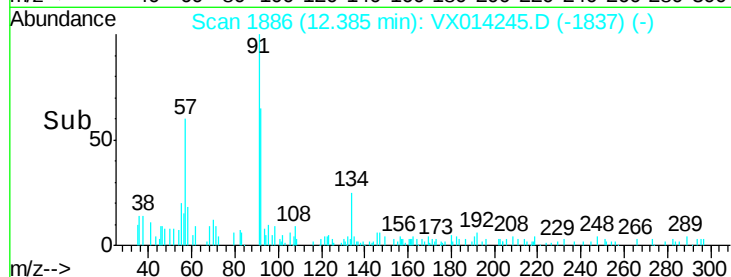
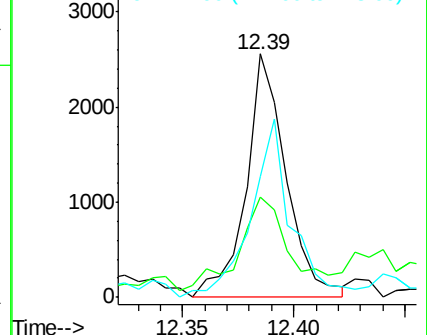
148 73.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 0.592 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

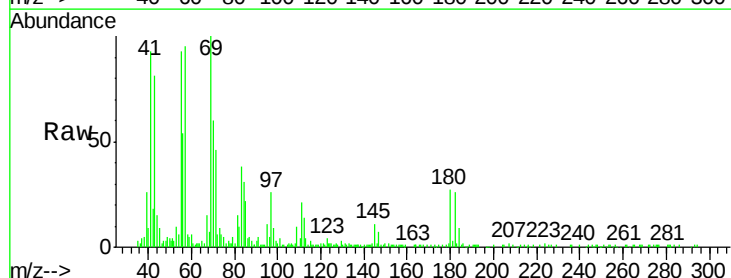
Tgt Ion:180 Resp: 4577

Ion Ratio Lower Upper

180 100

182 91.0 46.6 139.8

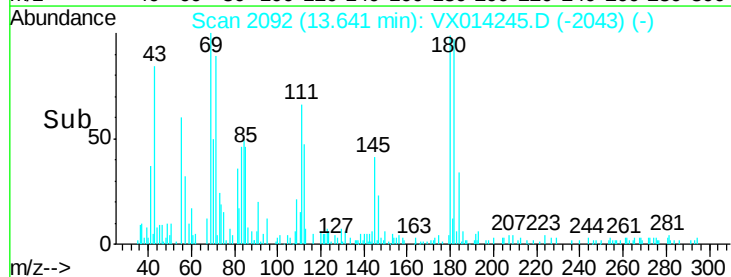
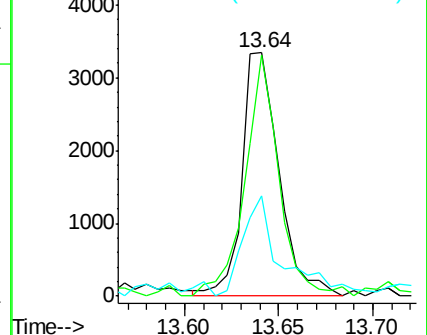
145 44.4 14.2 42.6#

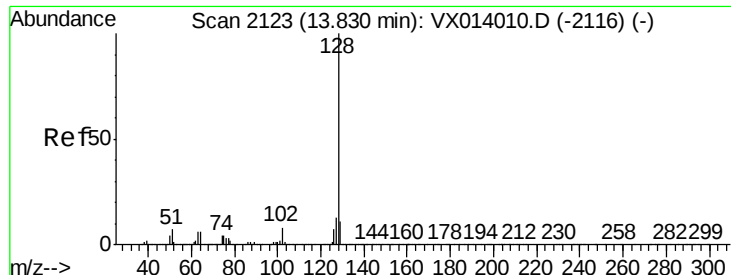


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.595 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014245.D

Acq: 24 Dec 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

C-WATER_12.20.19

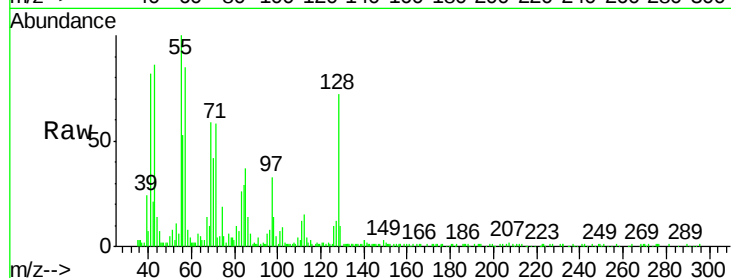
Tot Ion:128 Resp: 13515

Ion Ratio Lower Upper

128 100

127 19.0 10.2 15.4#

129 15.1 8.7 13.1#



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

