

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021020\
 Data File : VX014888.D
 Acq On : 10 Feb 2020 15:23
 Operator : JC/SP
 Sample : L1448-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 11 06:45:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	448793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	692275	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	642462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	341125	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	255911	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
35) Dibromofluoromethane	5.49	113	207501	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	8.71	98	811078	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	295419	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	

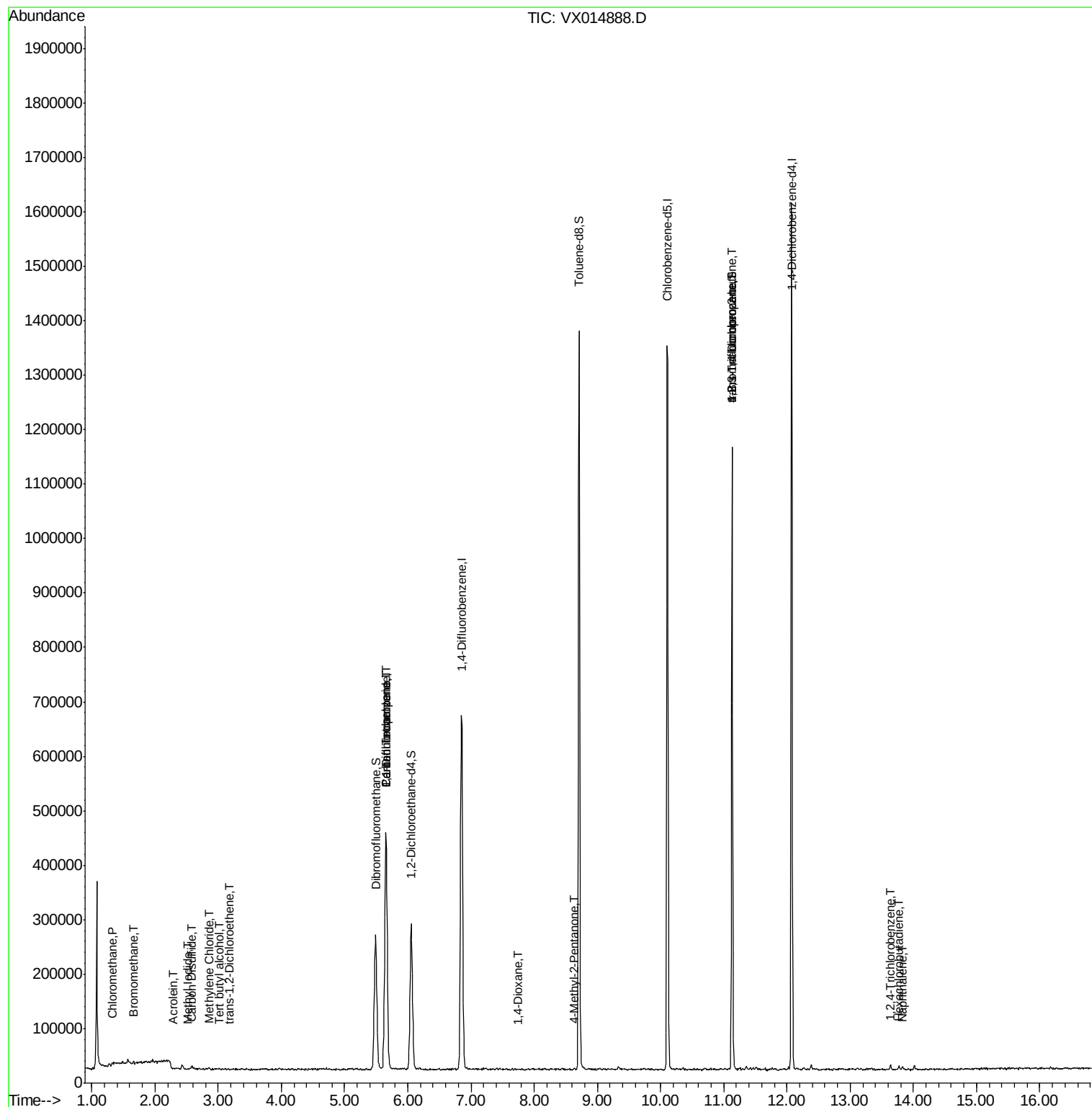
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2047	0.425	ug/l	93
5) Bromomethane	1.66	94	984	0.293	ug/l #	50
10) Methyl Iodide	2.51	142	1693	4.698	ug/l #	85
11) Tert butyl alcohol	3.03	59	335	0.375	ug/l #	1
13) Acrolein	2.28	56	718	1.053	ug/l #	38
16) Acetone	2.43	43	9513	Below Cal		90
17) Carbon Disulfide	2.57	76	3702	0.322	ug/l #	75
20) Methylene Chloride	2.86	84	1267	0.260	ug/l #	68
21) trans-1,2-Dichloroethene	3.18	96	1015	0.224	ug/l #	22
36) 1,1-Dichloropropene	5.65	75	29823	4.816	ug/l #	45
38) Carbon Tetrachloride	5.65	117	38781	6.426	ug/l #	15
49) 1,4-Dioxane	7.74	88	172	1.754	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1515	0.235	ug/l #	68
76) 1,2,3-Trichloropropane	11.13	75	148638	24.096	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	148638	61.678	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	2291	0.295	ug/l #	89
94) Hexachlorobutadiene	13.77	225	1017	0.271	ug/l	77
95) Naphthalene	13.83	128	4132	0.200	ug/l #	90

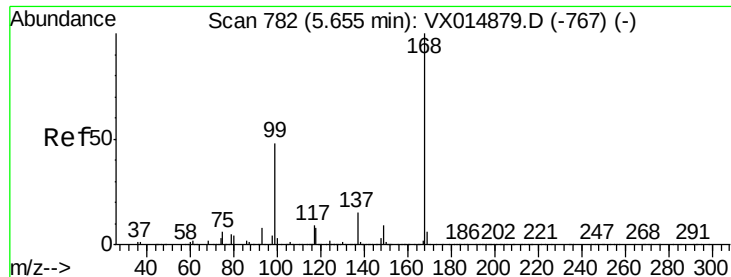
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 11 06:45:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 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: VX014888.D

Acq: 10 Feb 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

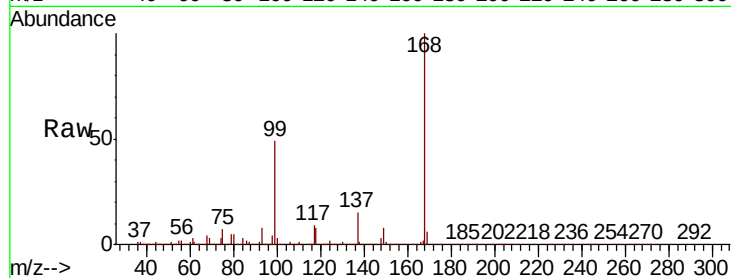
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 448793

Ion Ratio Lower Upper

168 100

99 49.1 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

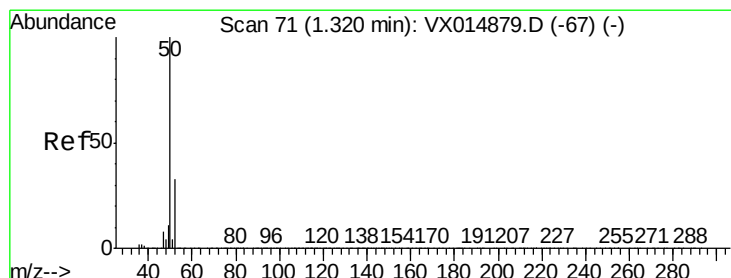
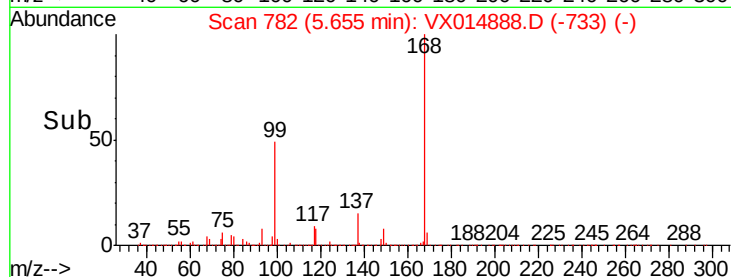
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.425 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014888.D

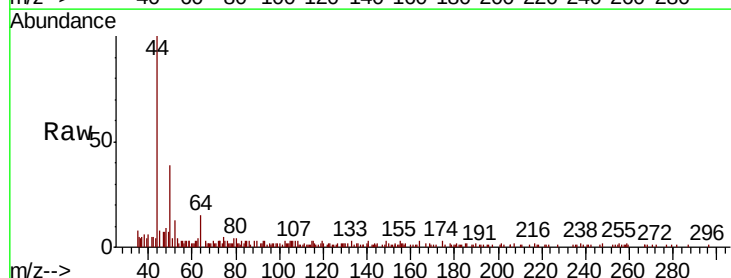
Acq: 10 Feb 2020 15:23

Tgt Ion: 50 Resp: 2047

Ion Ratio Lower Upper

50 100

52 28.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2500

2000

1500

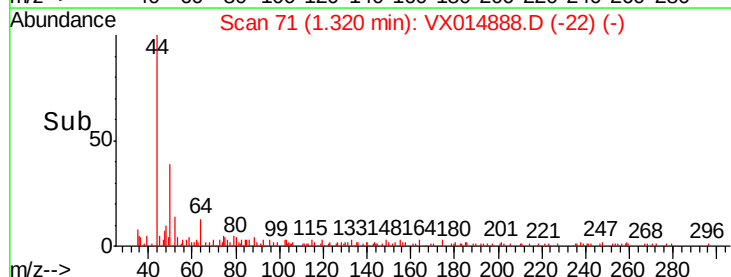
1000

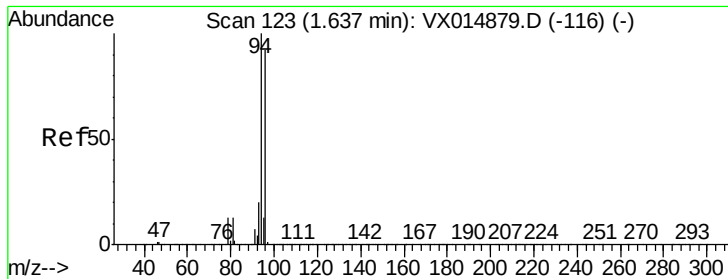
500

0

Time-->

1.30 1.32 1.34





#5

Bromomethane

Concen: 0.293 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

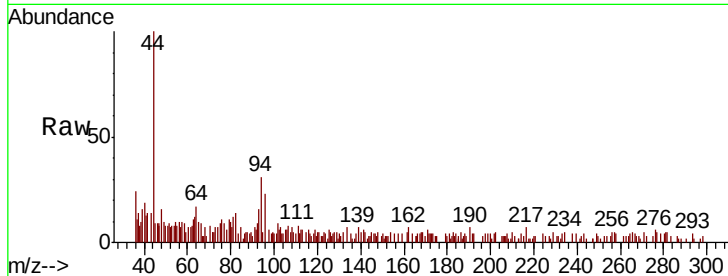
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 984

Ion Ratio Lower Upper

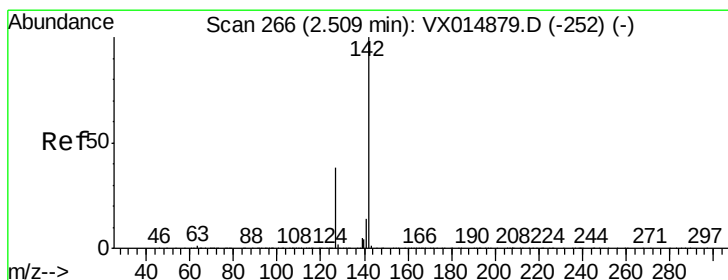
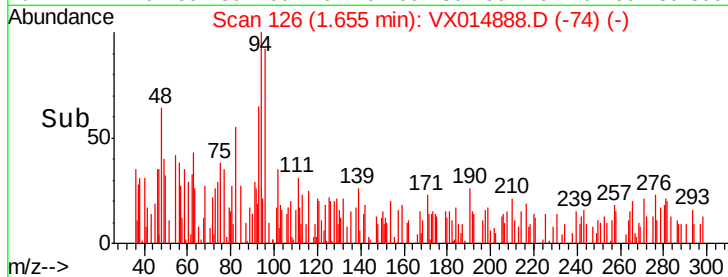
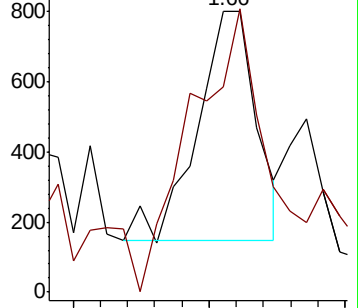
94 100

96 44.6 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.698 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

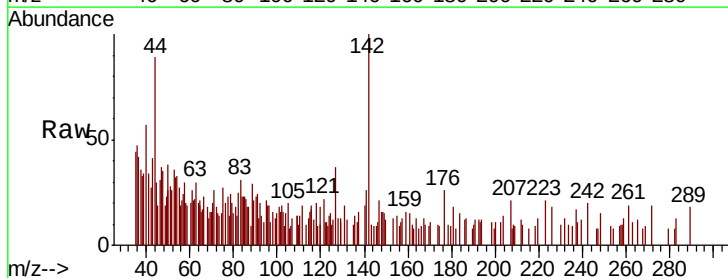
Tgt Ion: 142 Resp: 1693

Ion Ratio Lower Upper

142 100

127 47.8 31.1 46.7#

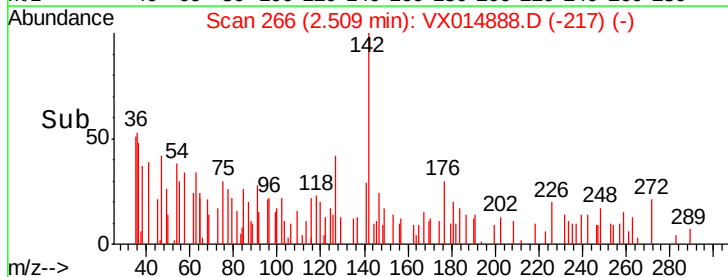
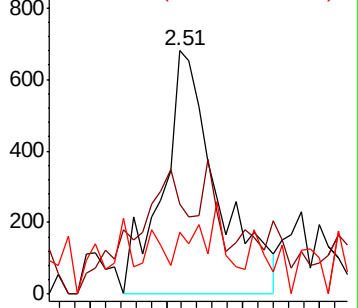
141 7.8 11.3 16.9#

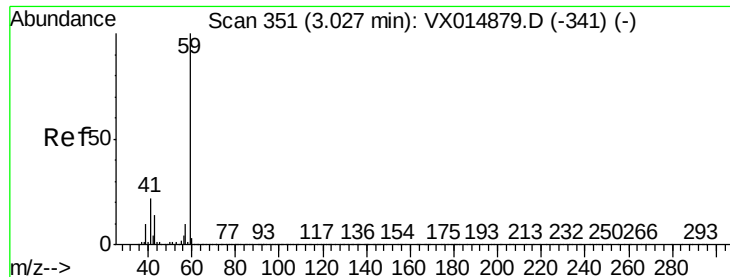


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

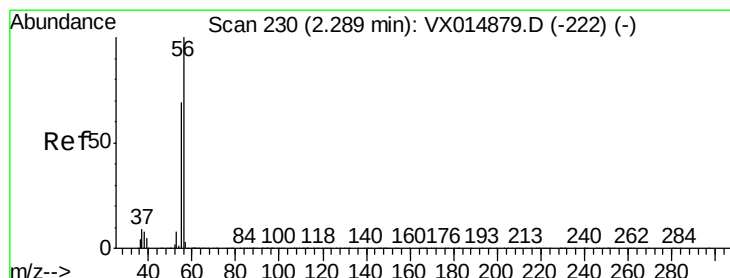
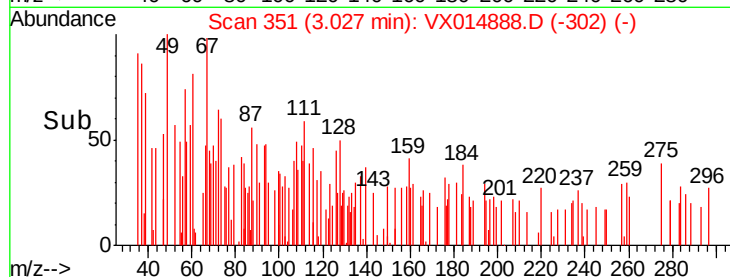
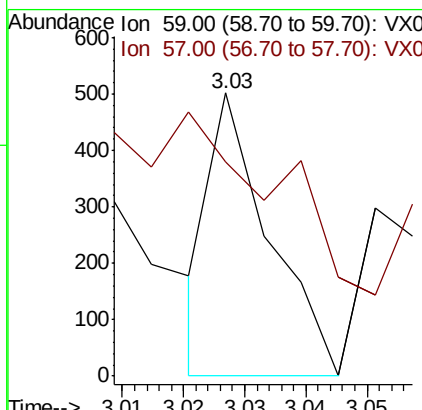
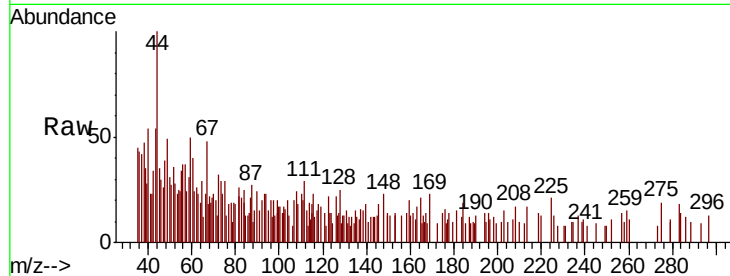




#11
Tert butyl alcohol
Concen: 0.375 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014888.D
Acq: 10 Feb 2020 15:23

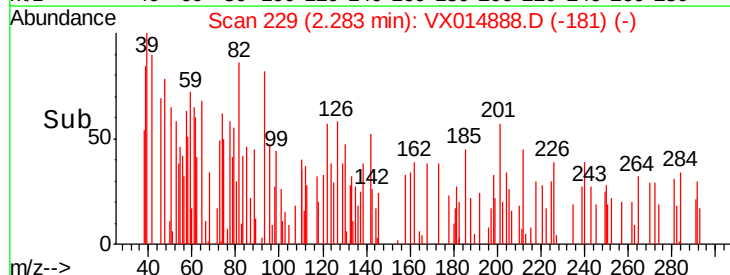
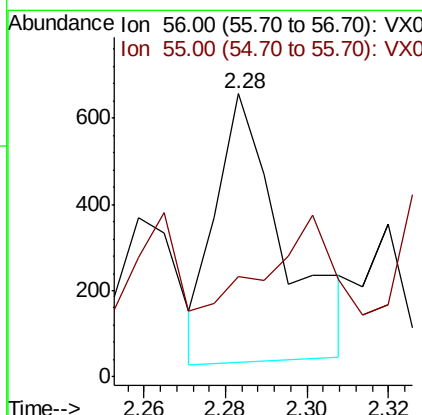
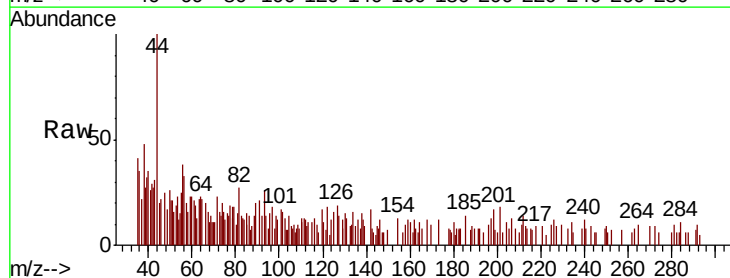
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

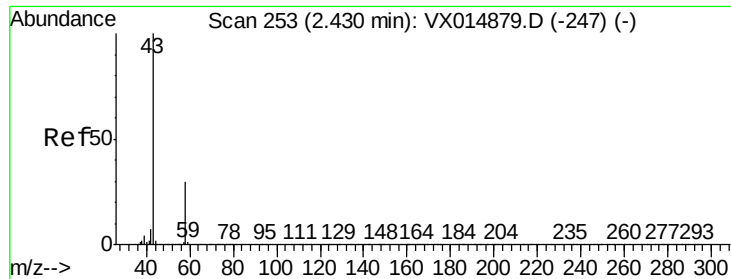
Tot Ion: 59 Resp: 335
Ion Ratio Lower Upper
59 100
57 257.6 8.2 12.4#



#13
Acrolein
Concen: 1.053 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.01 min
Lab File: VX014888.D
Acq: 10 Feb 2020 15:23

Tgt Ion: 56 Resp: 718
Ion Ratio Lower Upper
56 100
55 18.7 55.0 82.4#

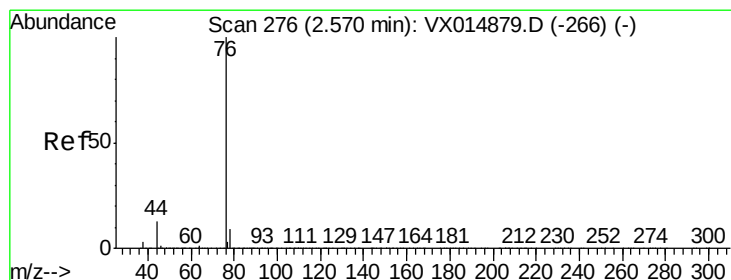
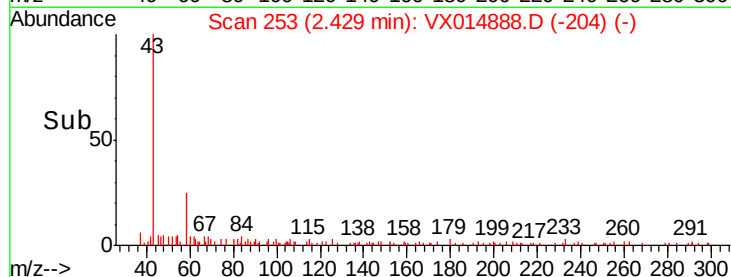
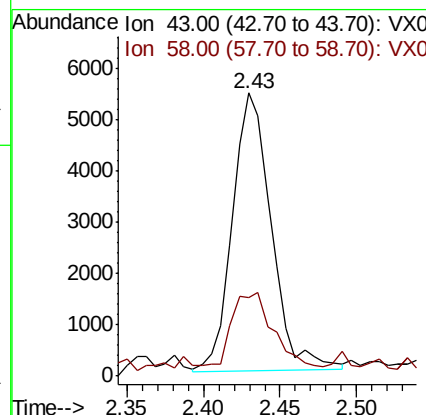
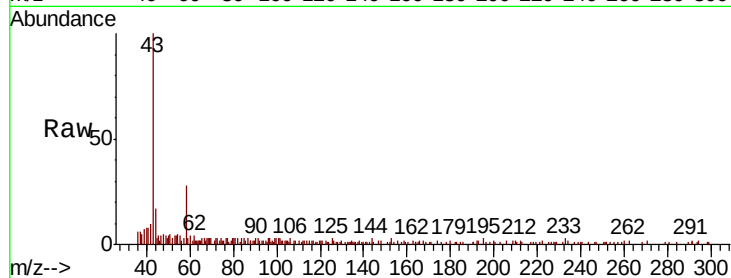




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014888.D
Acq: 10 Feb 2020 15:23

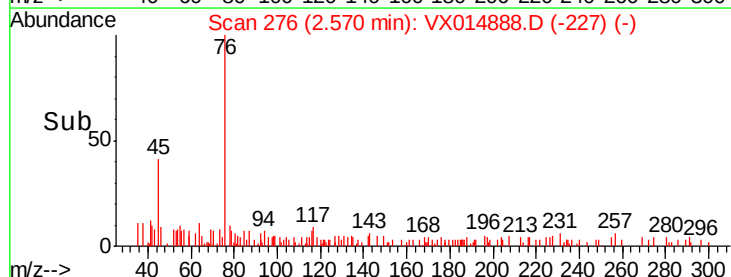
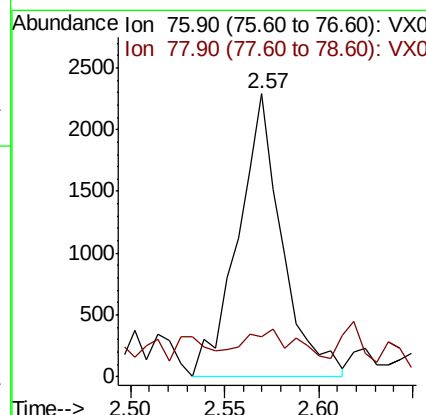
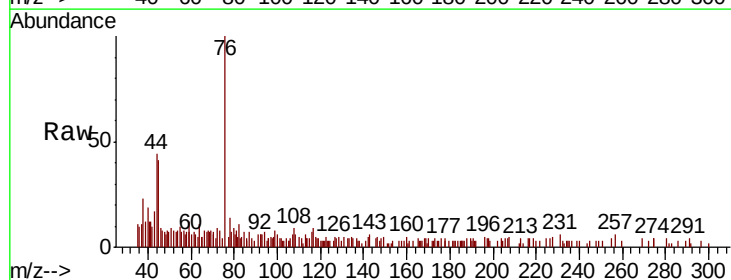
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

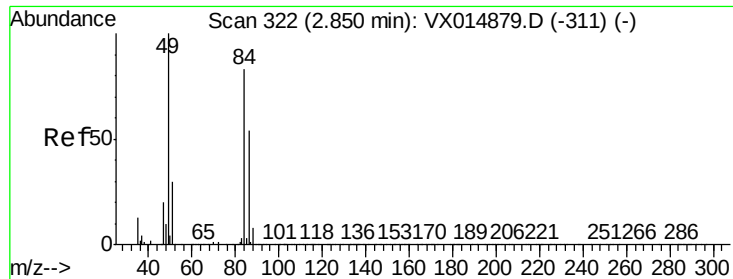
Tot Ion: 43 Resp: 9513
Ion Ratio Lower Upper
43 100
58 24.5 24.1 36.1



#17
Carbon Disulfide
Concen: 0.322 ug/l
RT: 2.57 min Scan# 276
Delta R.T. -0.00 min
Lab File: VX014888.D
Acq: 10 Feb 2020 15:23

Tgt Ion: 76 Resp: 3702
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

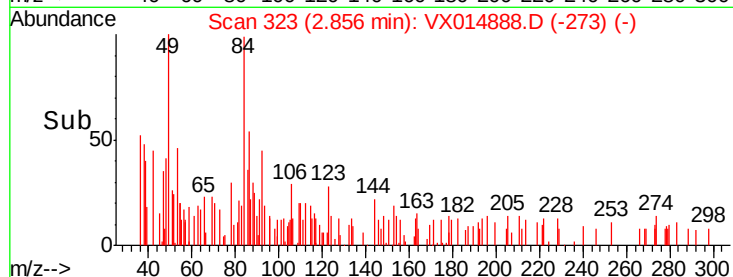
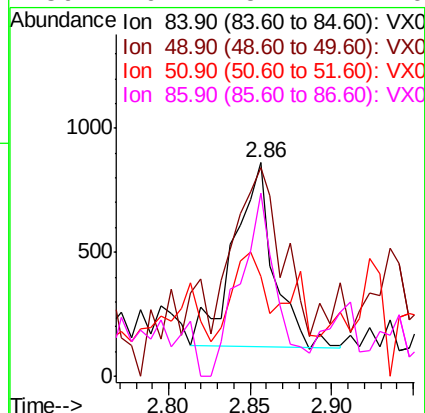
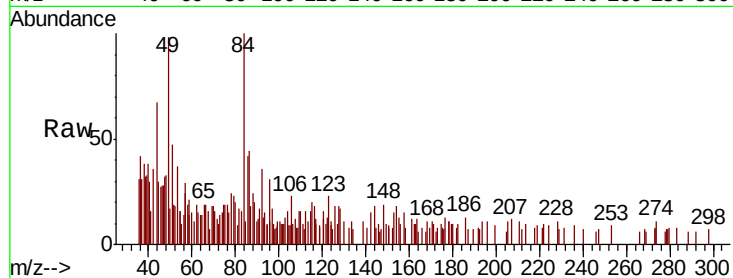




#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014888.D
Acq: 10 Feb 2020 15:23

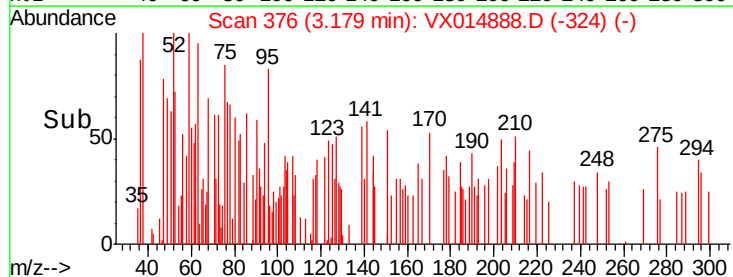
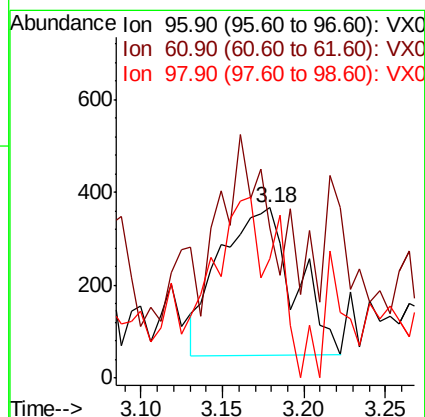
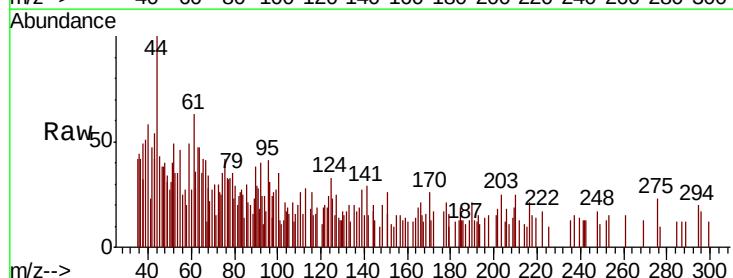
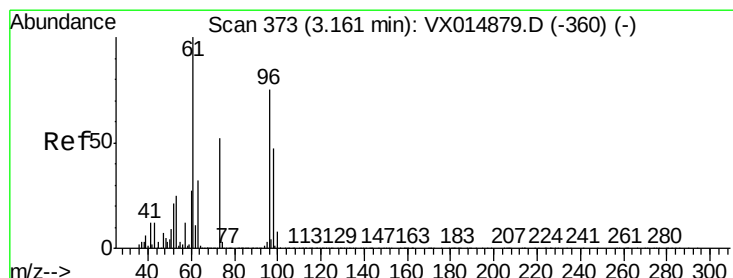
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

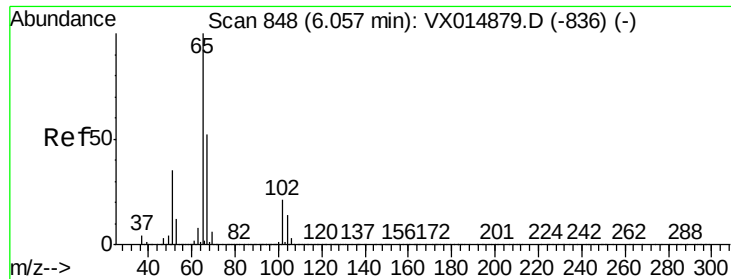
Tot Ion:	84	Resp:	1267
Ion	Ratio	Lower	Upper
84	100		
49	68.8	95.6	143.4#
51	19.7	29.0	43.6#
86	70.4	51.4	77.0



#21
trans-1,2-Dichloroethene
Concen: 0.224 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.02 min
Lab File: VX014888.D
Acq: 10 Feb 2020 15:23

Tgt Ion:	96	Resp:	1015
Ion	Ratio	Lower	Upper
96	100		
61	13.9	106.9	160.3#
98	39.6	50.7	76.1#

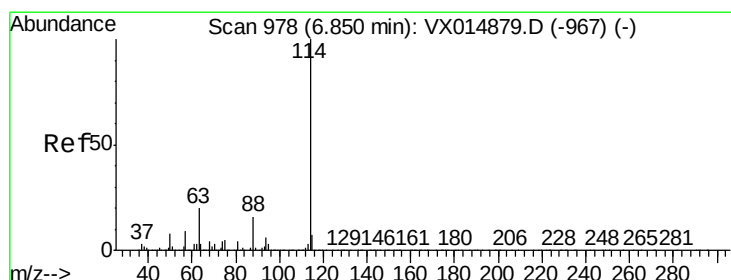
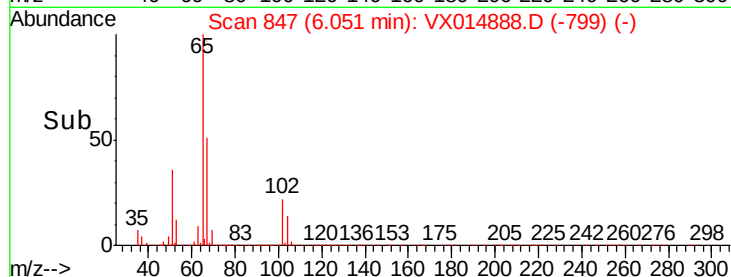
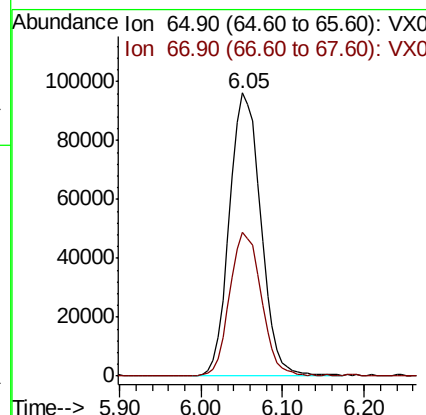
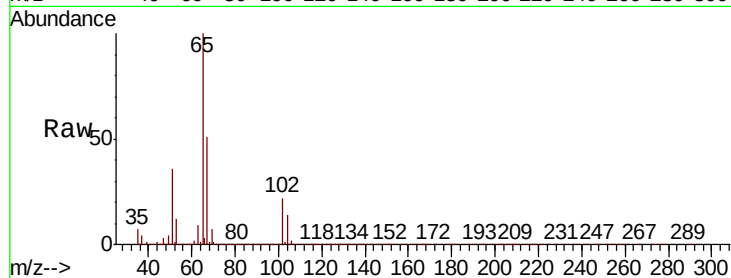




#33
 1,2-Dichloroethane-d4
 Concen: 50.526 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX014888.D
 Acq: 10 Feb 2020 15:23

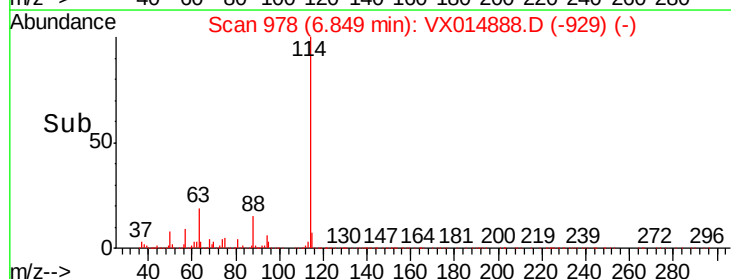
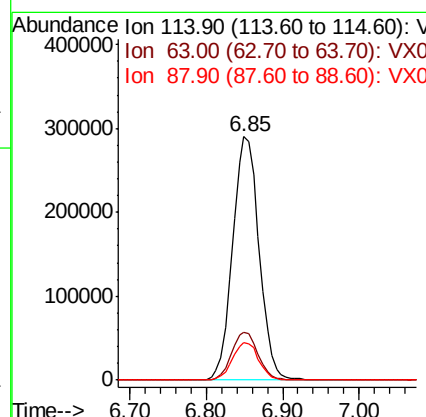
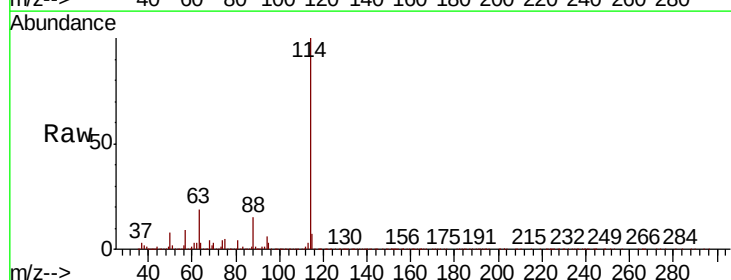
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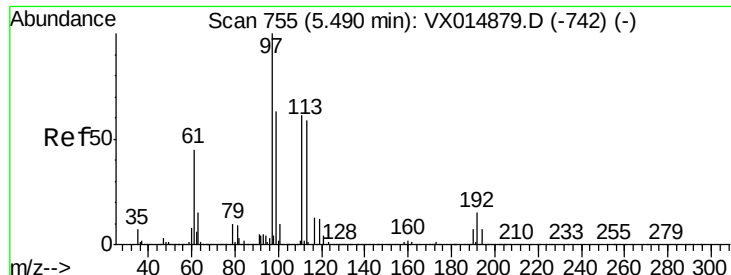
Tot Ion: 65 Resp: 255911
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014888.D
 Acq: 10 Feb 2020 15:23

Tgt Ion: 114 Resp: 692275
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.2
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.756 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

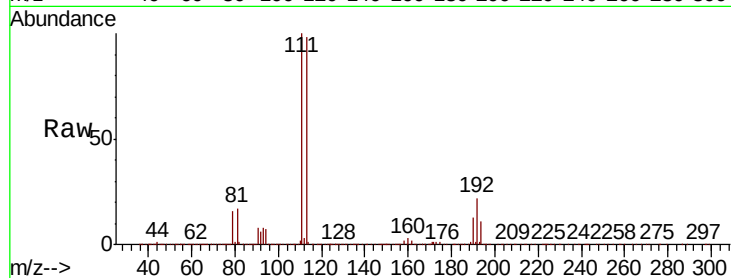
Tot Ion:113 Resp: 207501

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

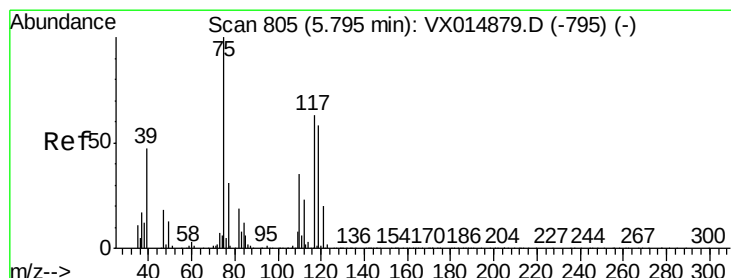
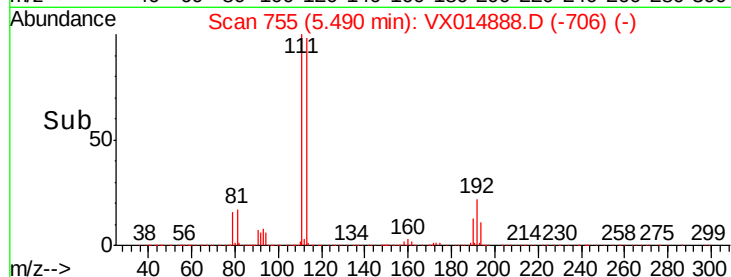
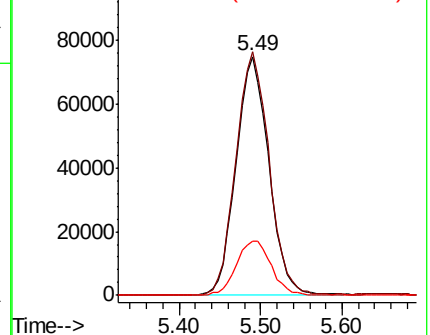
192 24.2 19.1 28.7



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: 4.816 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

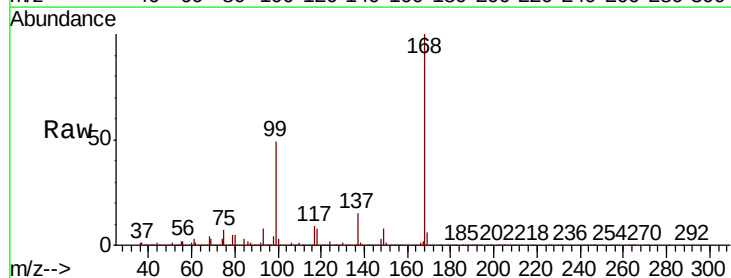
Tgt Ion: 75 Resp: 29823

Ion Ratio Lower Upper

75 100

110 4.5 18.3 54.8#

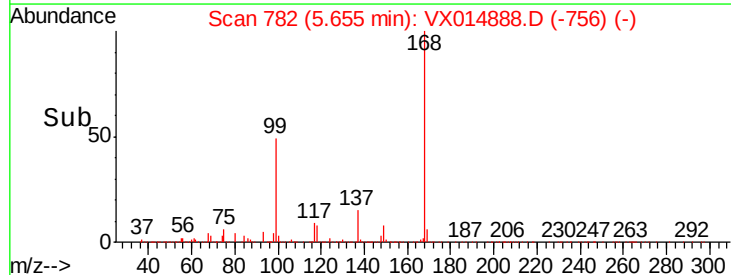
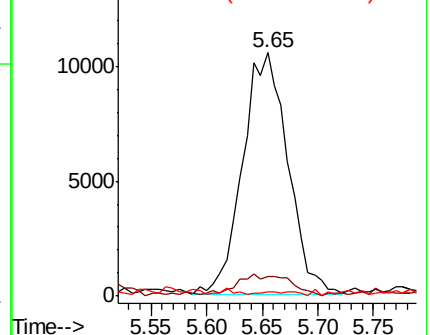
77 0.5 24.6 36.8#

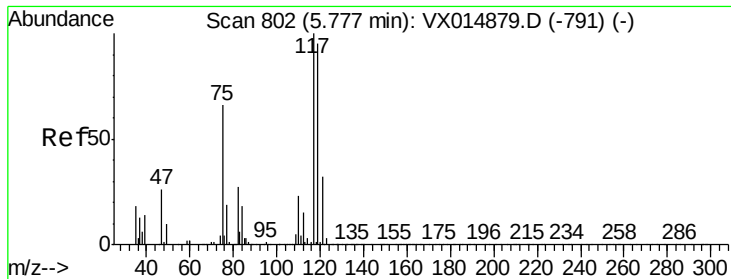


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.426 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

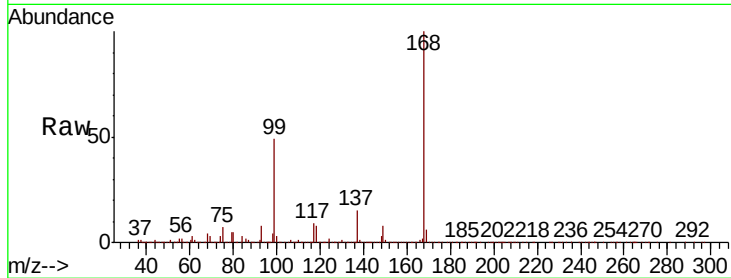
Tot Ion:117 Resp: 38781

Ion Ratio Lower Upper

117 100

119 3.6 76.0 114.0#

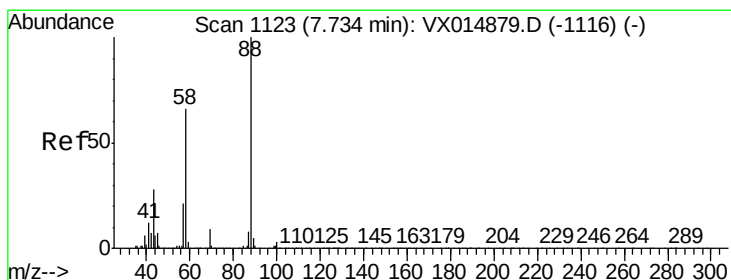
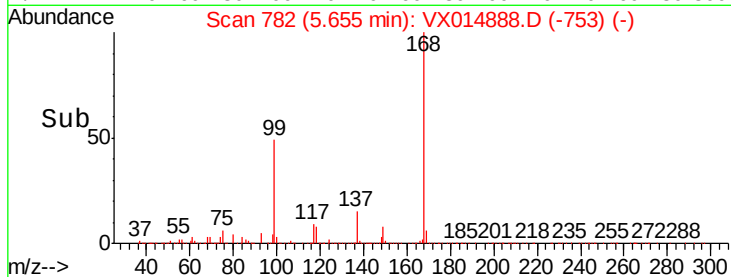
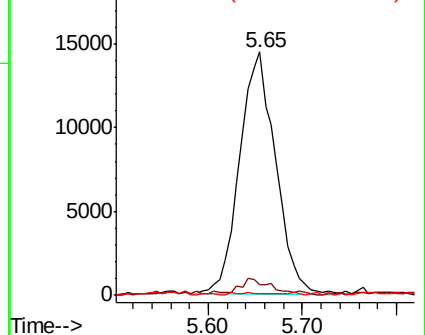
121 0.8 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.754 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

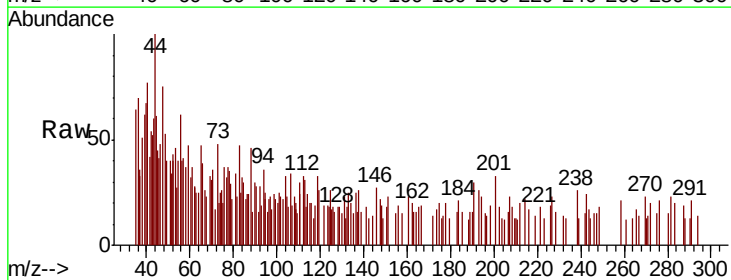
Tgt Ion: 88 Resp: 172

Ion Ratio Lower Upper

88 100

43 162.8 27.0 40.4#

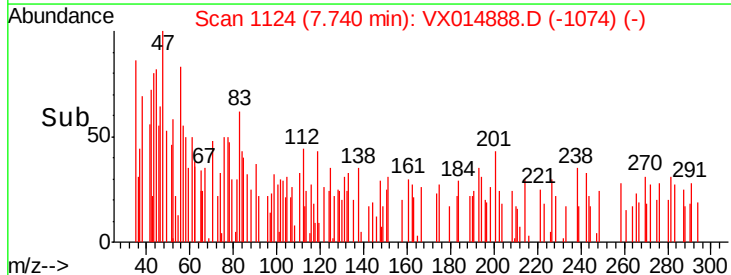
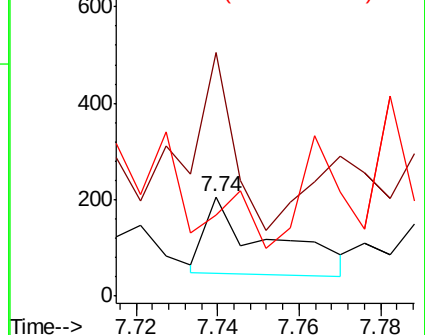
58 248.3 53.2 79.8#

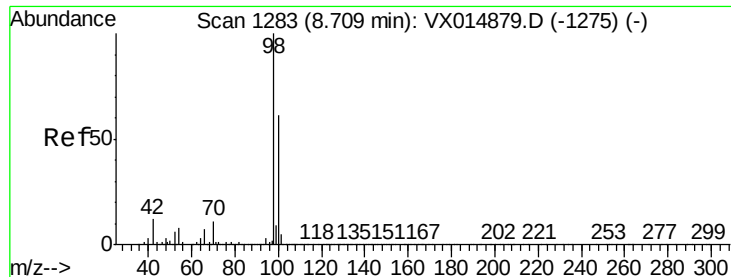


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.927 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

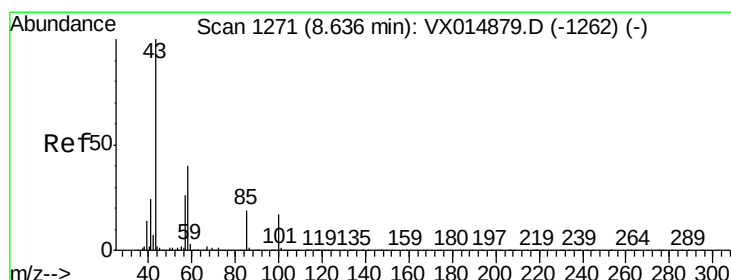
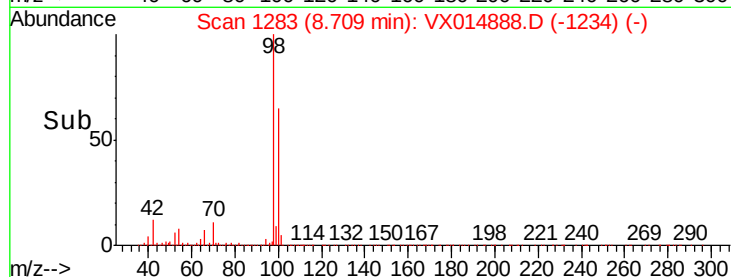
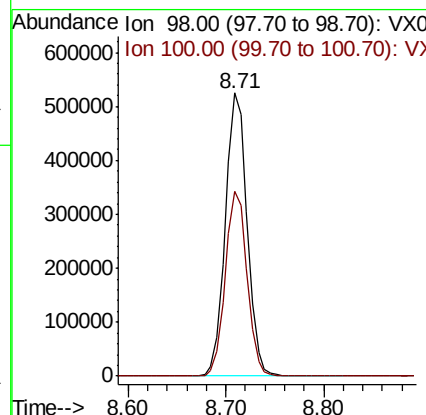
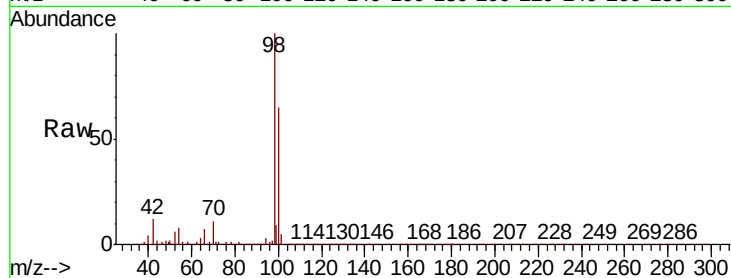
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 811078

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 0.235 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX014888.D

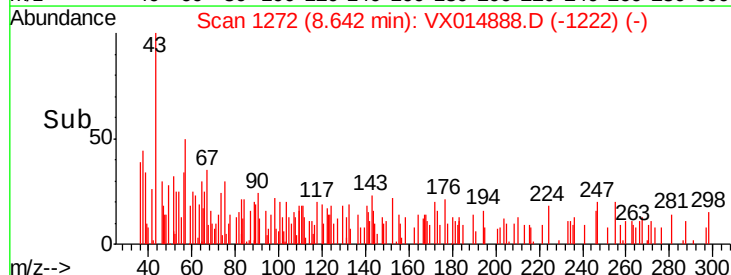
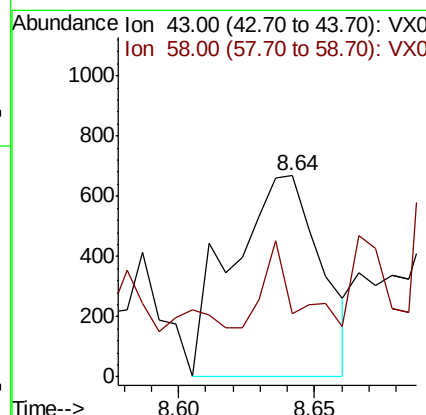
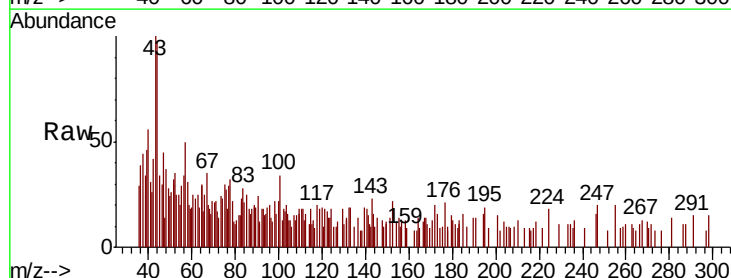
Acq: 10 Feb 2020 15:23

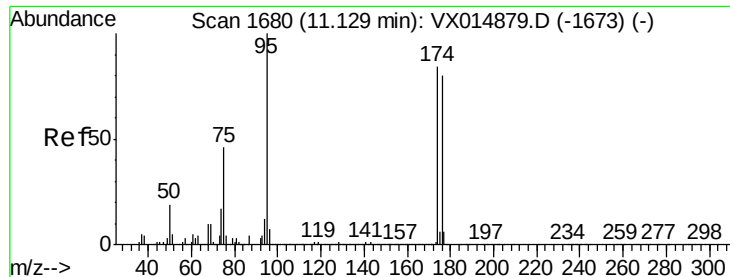
Tgt Ion: 43 Resp: 1515

Ion Ratio Lower Upper

43 100

58 20.3 31.9 47.9#





#62

4-Bromofluorobenzene

Concen: 50.481 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

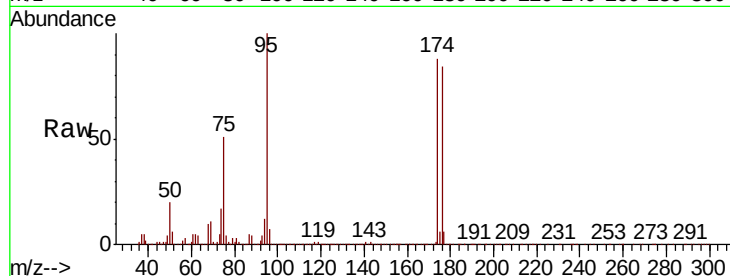
Tot Ion: 95 Resp: 295419

Ion Ratio Lower Upper

95 100

174 94.1 0.0 183.0

176 92.0 0.0 178.0



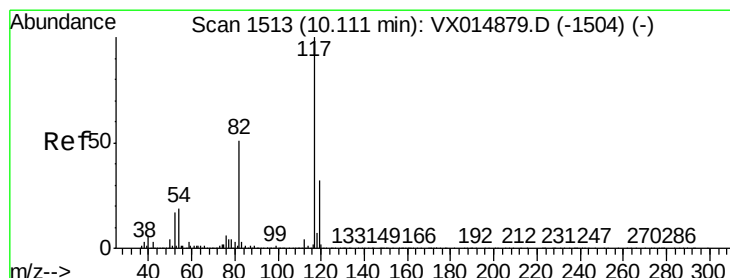
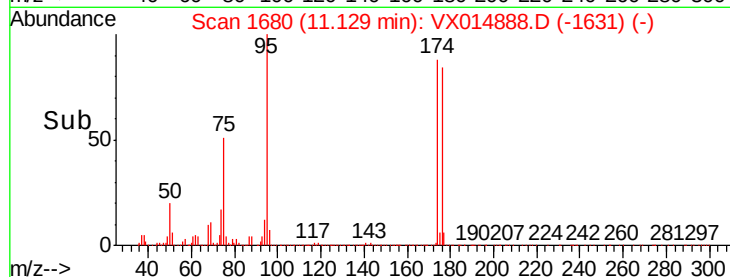
Abundance Ion 94.90 (94.60 to 95.60): VX014888.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX014888.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX014888.D (-1631) (-)

11.13

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

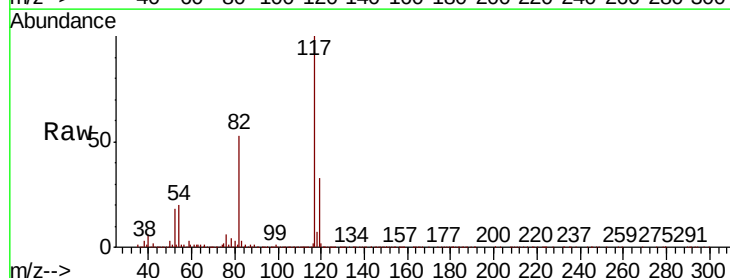
Tgt Ion: 117 Resp: 642462

Ion Ratio Lower Upper

117 100

82 52.6 40.5 60.7

119 32.5 25.8 38.6



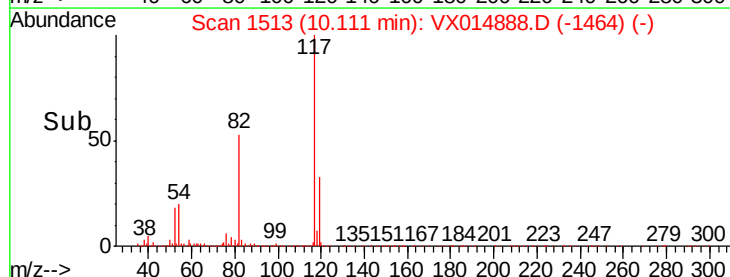
Abundance Ion 116.90 (116.60 to 117.60): VX014888.D (-1464) (-)

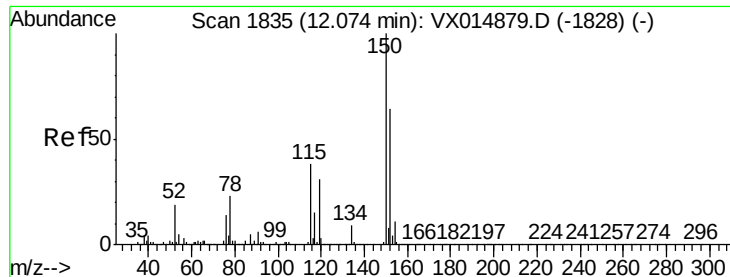
Ion 82.00 (81.70 to 82.70): VX014888.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014888.D (-1464) (-)

10.11

Time-->



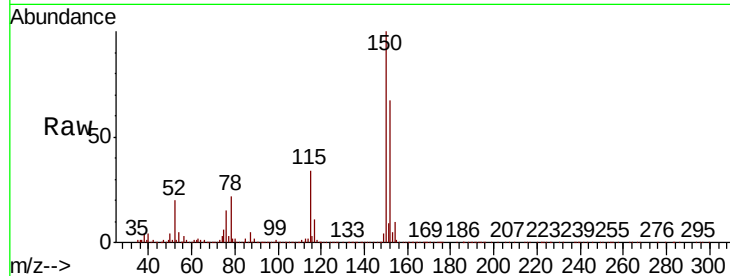


#72

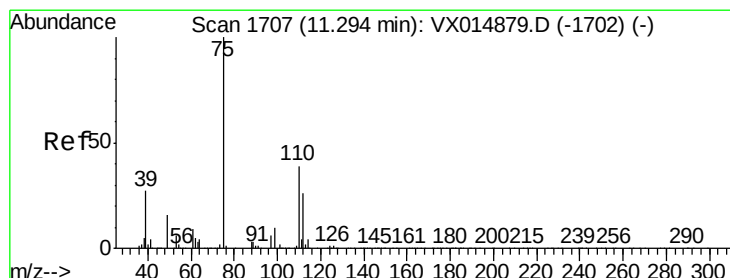
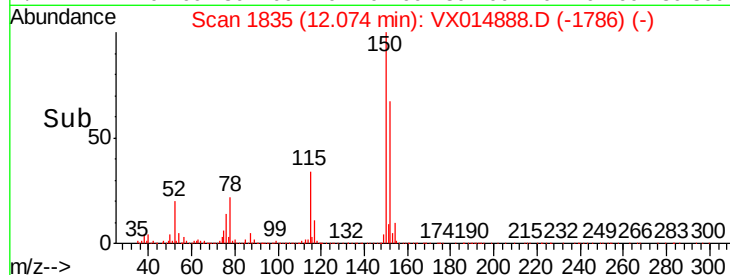
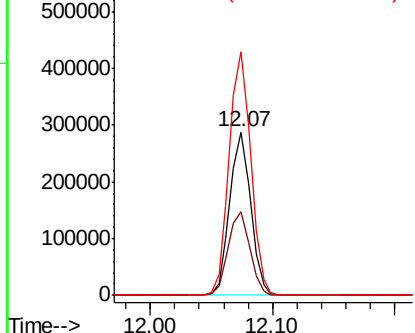
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014888.D
Acq: 10 Feb 2020 15:23

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

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.2	38.6	116.0
150	153.2	0.0	349.0



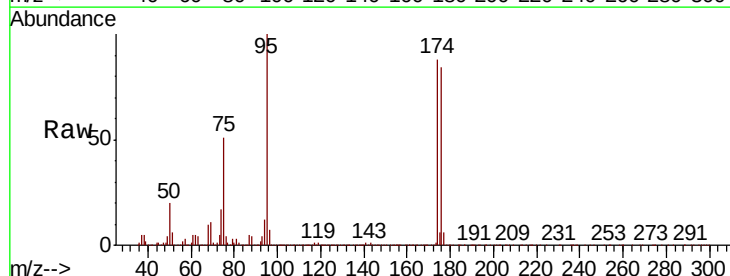
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



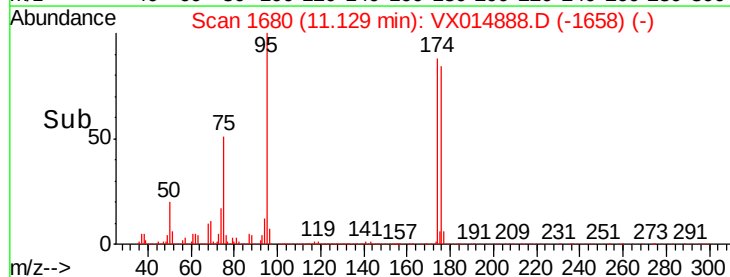
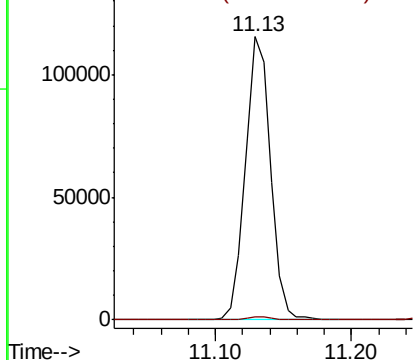
#76

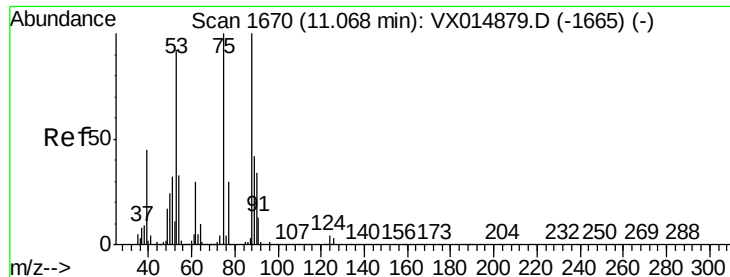
1,2,3-Trichloropropane
Concen: 24.096 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014888.D
Acq: 10 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	18.4	55.0#



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

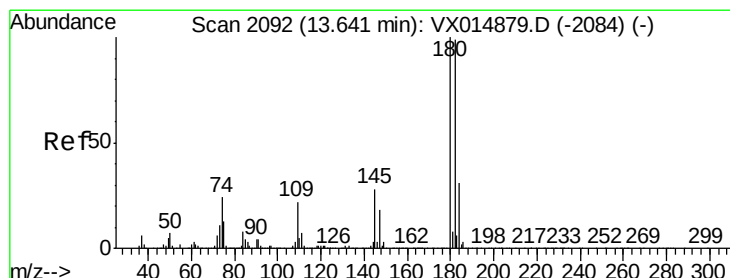
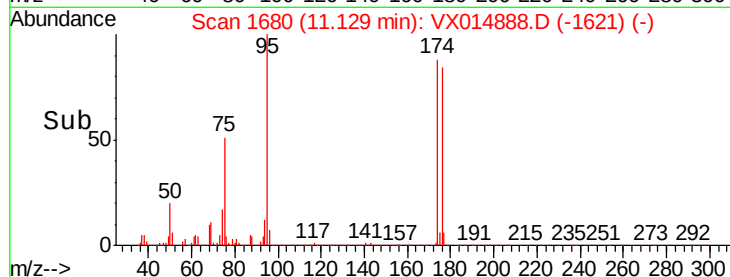
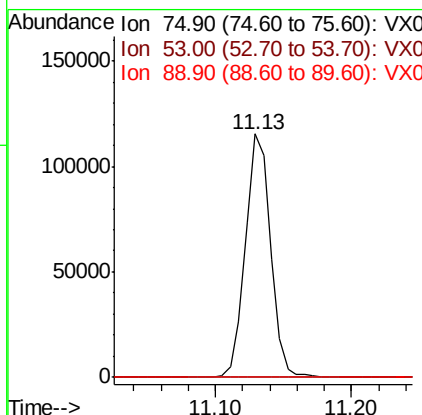
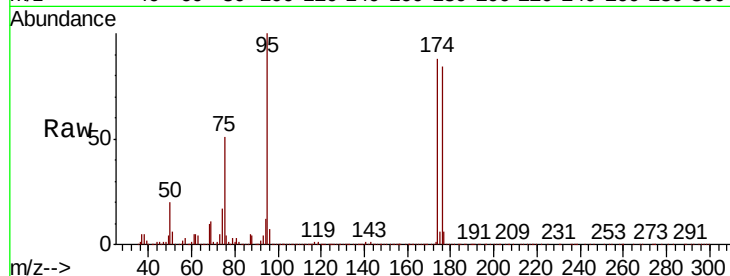




#81
trans-1,4-Dichloro-2-butene
Concen: 61.678 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014888.D
Acq: 10 Feb 2020 15:23

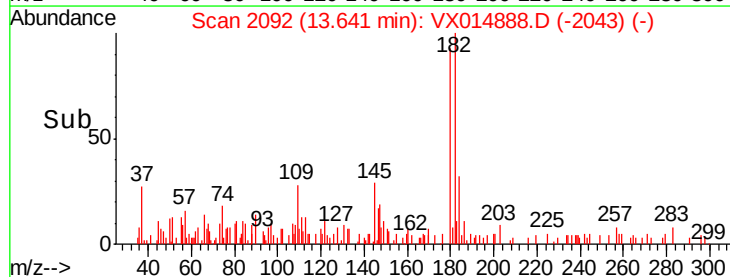
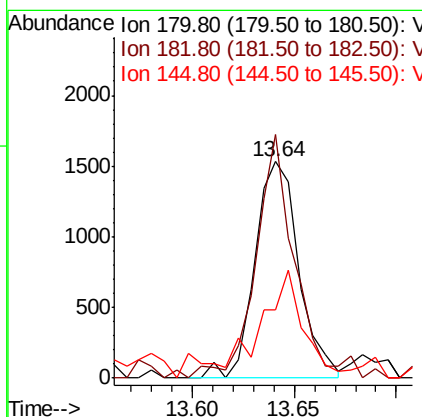
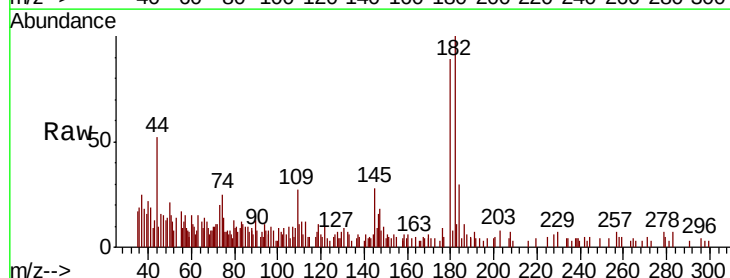
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

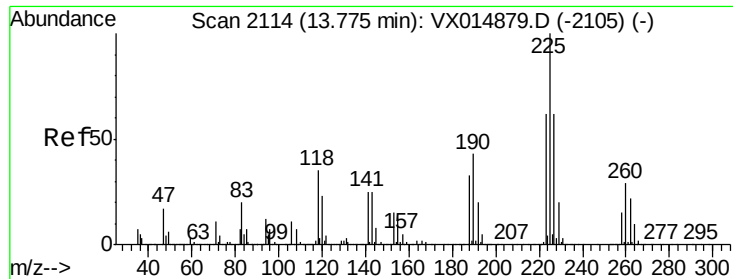
Tot Ion: 75 Resp: 148638
Ion Ratio Lower Upper
75 100
53 0.3 76.2 114.2#
89 0.2 35.8 53.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.295 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX014888.D
Acq: 10 Feb 2020 15:23

Tgt Ion:180 Resp: 2291
Ion Ratio Lower Upper
180 100
182 101.4 48.4 145.3
145 46.3 14.1 42.4#





#94

Hexachlorobutadiene

Concen: 0.271 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. -0.01 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

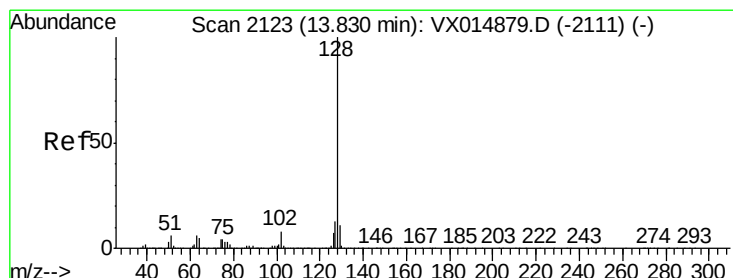
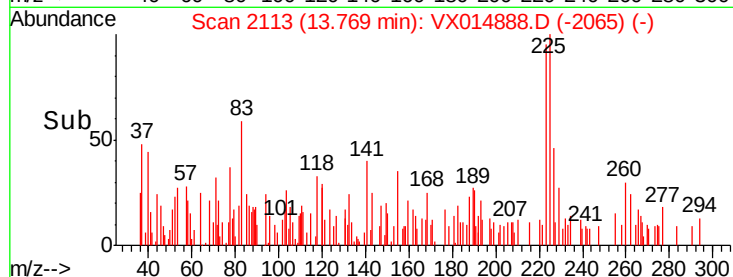
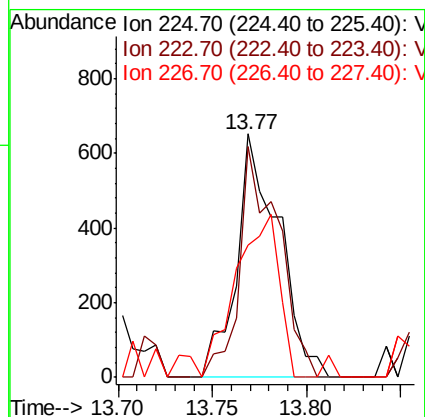
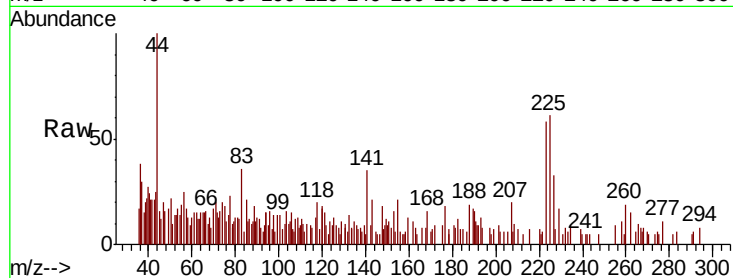
Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion:	225	Resp:	1017
Ion	Ratio	Lower	Upper
225	100		
223	86.6	31.1	93.2
227	72.8	30.9	92.5



#95

Naphthalene

Concen: 0.200 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX014888.D

Acq: 10 Feb 2020 15:23

Tgt Ion:	128	Resp:	4132
Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.4	15.6#
129	15.0	8.6	13.0#

