

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
 Data File : VX011803.D
 Acq On : 23 Aug 2019 17:14
 Operator : JC/SP
 Sample : K4513-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Aug 26 01:56:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	485545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	636894	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	570206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	271200	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	200309	41.07	ug/l	0.00
Spiked Amount			Recovery	=	82.14%	
35) Dibromofluoromethane	5.49	113	187331	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	
50) Toluene-d8	8.71	98	719137	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.13	95	244671	43.09	ug/l	0.00
Spiked Amount			Recovery	=	86.18%	

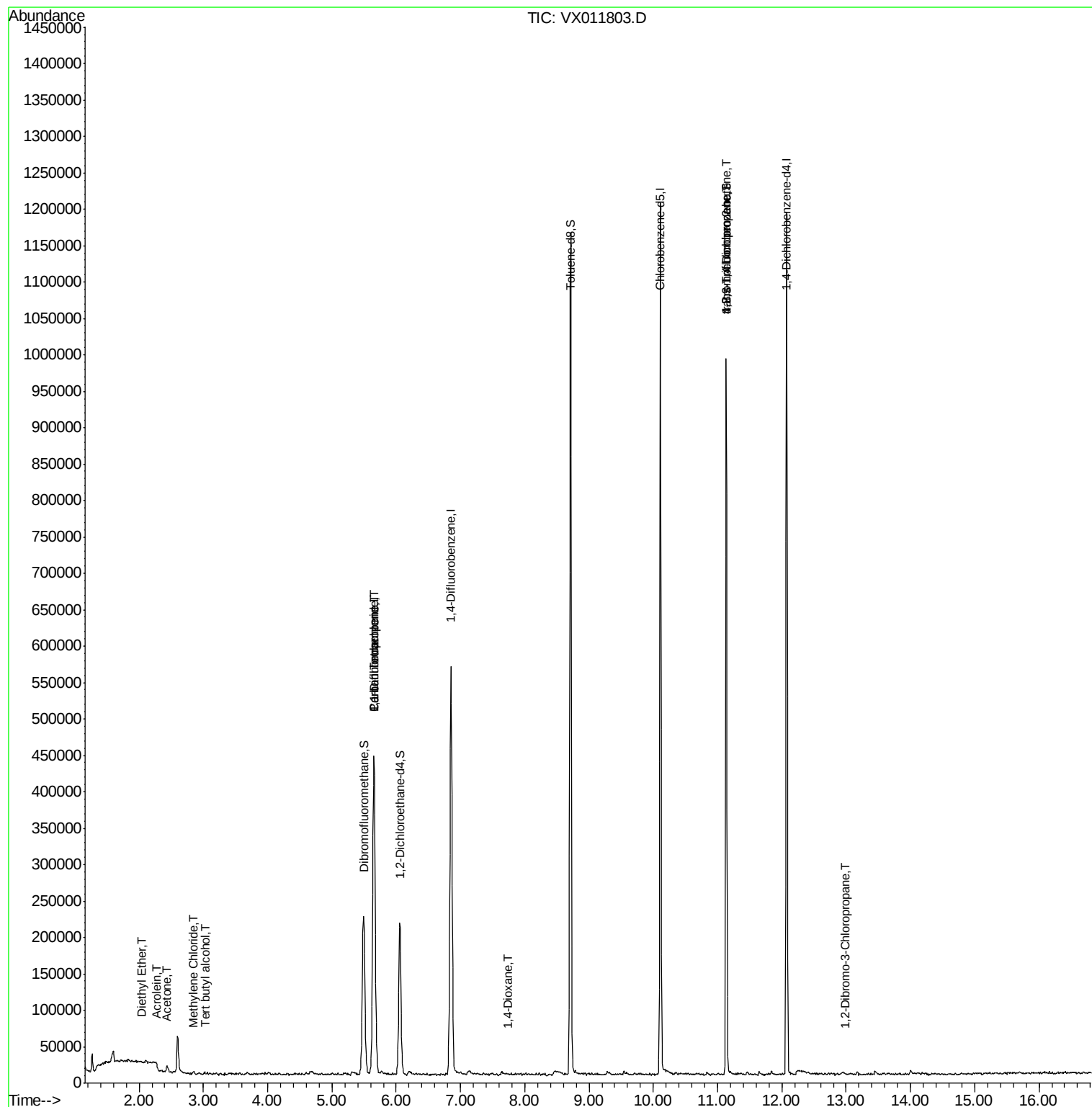
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.04	74	550	0.256	ug/l	93
11) Tert butyl alcohol	3.03	59	2100	2.179	ug/l #	73
13) Acrolein	2.28	56	475	1.275	ug/l #	16
16) Acetone	2.44	43	8576	4.042	ug/l	97
20) Methylene Chloride	2.84	84	1934	0.446	ug/l #	55
36) 1,1-Dichloropropene	5.65	75	25004	5.006	ug/l #	51
38) Carbon Tetrachloride	5.65	117	39090	6.906	ug/l #	16
49) 1,4-Dioxane	7.73	88	136	1.153	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	110369	23.193	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	110369	69.945	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.00	75	276	0.219	ug/l #	7

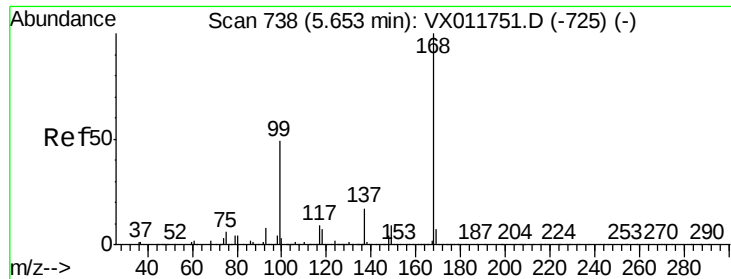
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
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Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011803.D

Acq: 23 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

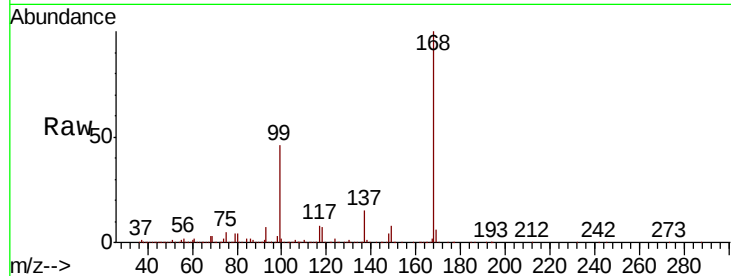
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 485545

Ion Ratio Lower Upper

168 100

99 45.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

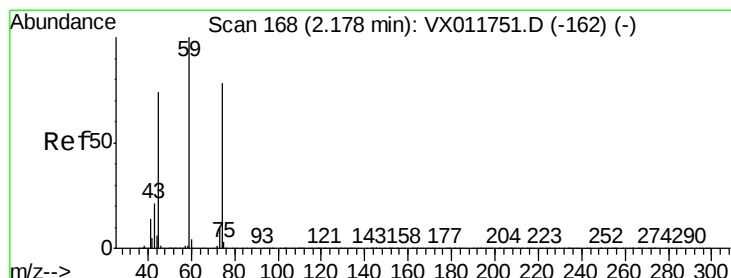
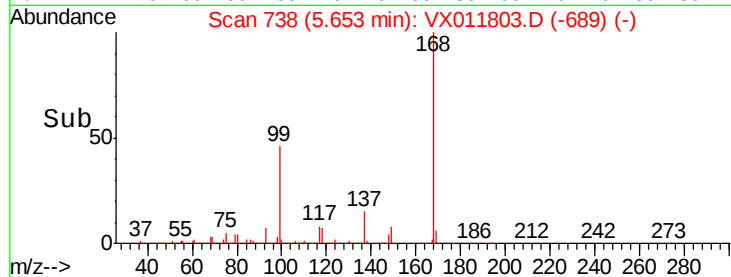
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#8

Diethyl Ether

Concen: 0.256 ug/l

RT: 2.04 min Scan# 145

Delta R.T. -0.14 min

Lab File: VX011803.D

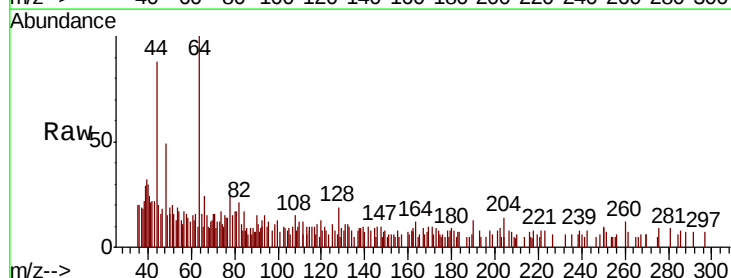
Acq: 23 Aug 2019 17:14

Tgt Ion: 74 Resp: 550

Ion Ratio Lower Upper

74 100

45 99.6 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

600

500

400

300

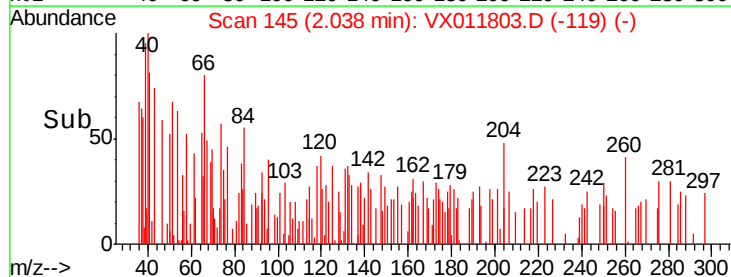
200

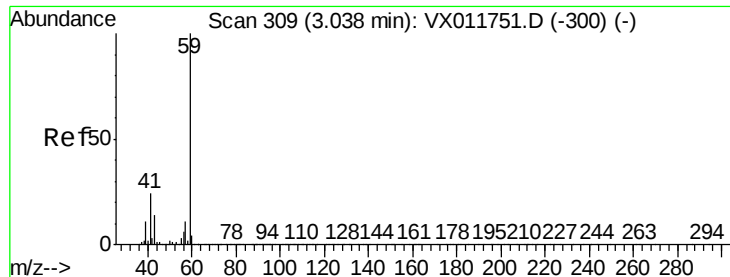
100

0

2.00 2.05

Time-->



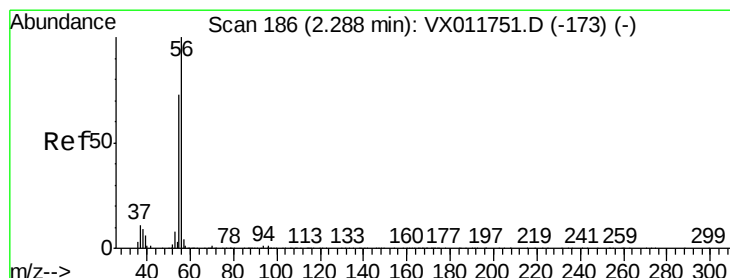
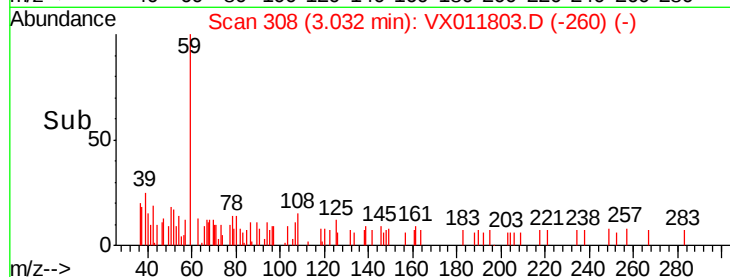
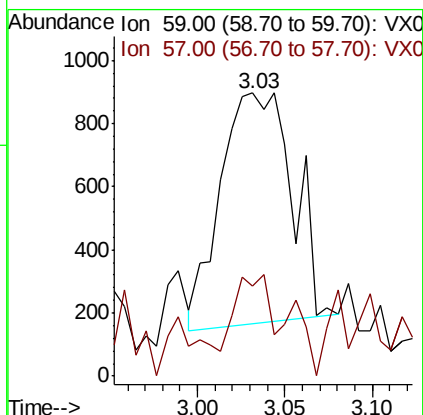
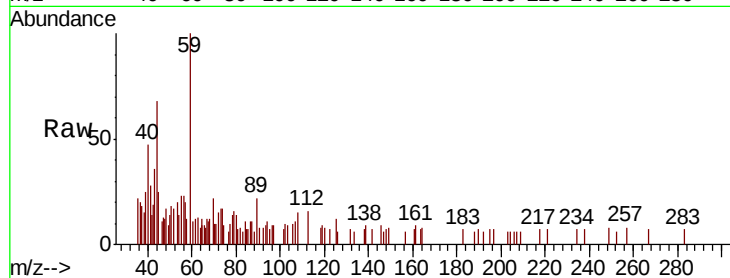


#11

Tert butyl alcohol
 Concen: 2.179 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX011803.D
 Acq: 23 Aug 2019 17:14

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

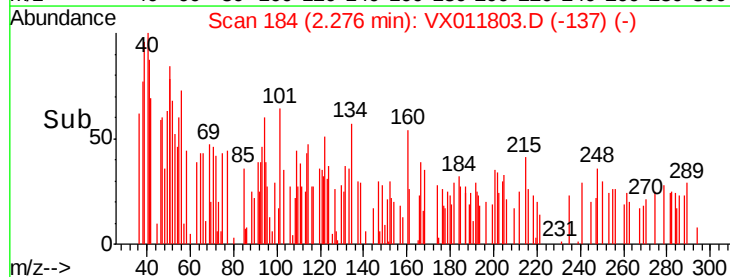
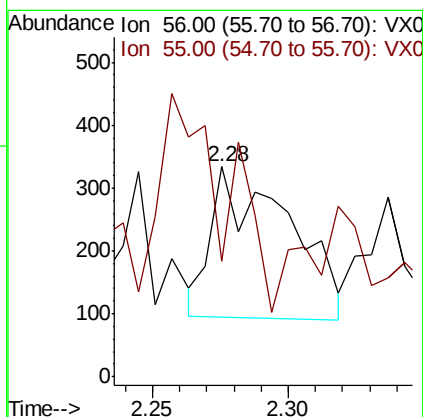
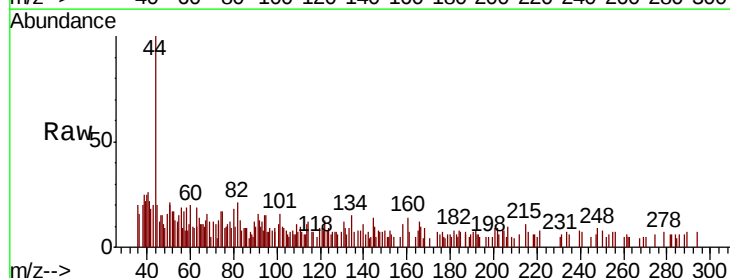
Tgt Ion: 59 Resp: 2100
 Ion Ratio Lower Upper
 59 100
 57 20.5 8.4 12.6#

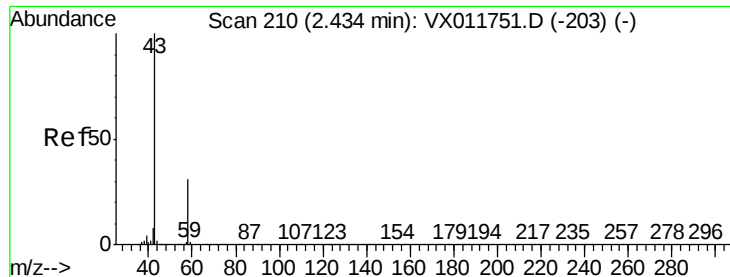


#13

Acrolein
 Concen: 1.275 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VX011803.D
 Acq: 23 Aug 2019 17:14

Tgt Ion: 56 Resp: 475
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.8 82.2#

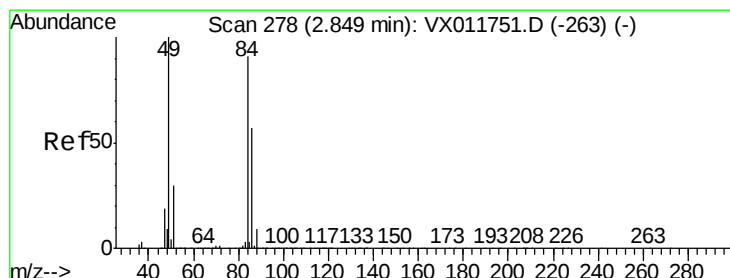
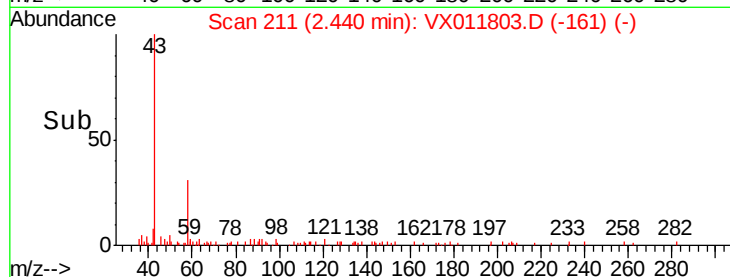
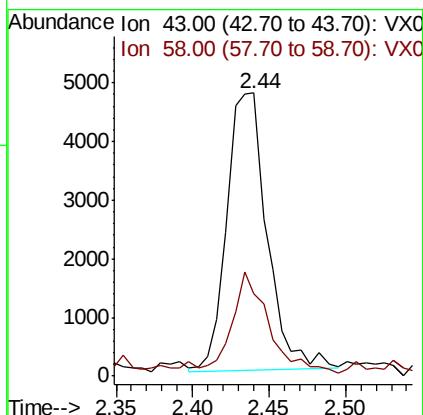
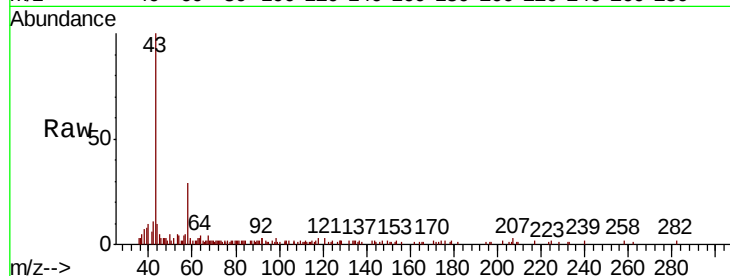




#16
Acetone
Concen: 4.042 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.01 min
Lab File: VX011803.D
Acq: 23 Aug 2019 17:14

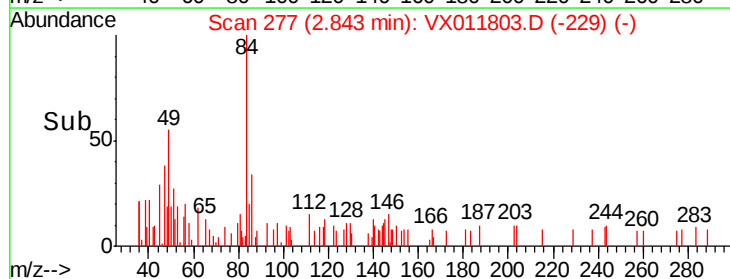
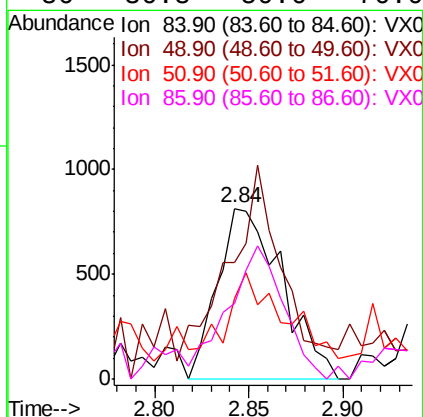
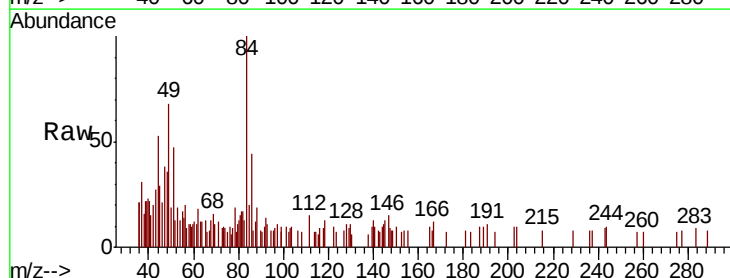
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

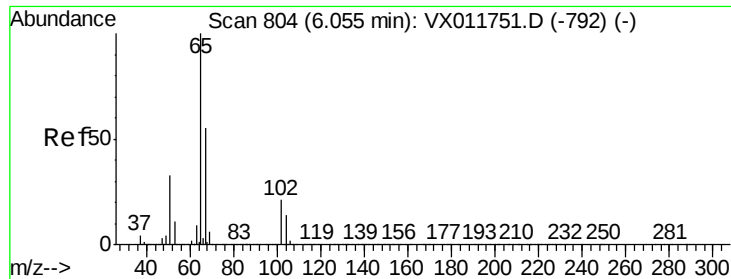
Tgt Ion: 43 Resp: 8576
Ion Ratio Lower Upper
43 100
58 28.6 24.4 36.6



#20
Methylene Chloride
Concen: 0.446 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011803.D
Acq: 23 Aug 2019 17:14

Tgt Ion: 84 Resp: 1934
Ion Ratio Lower Upper
84 100
49 51.2 88.3 132.5#
51 47.9 26.2 39.2#
86 36.8 50.6 76.0#

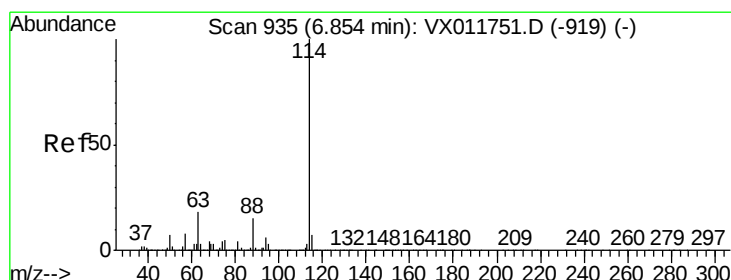
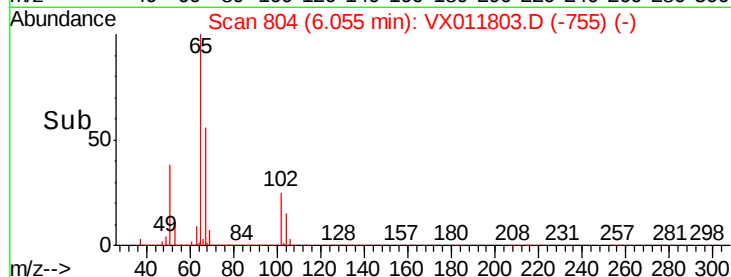
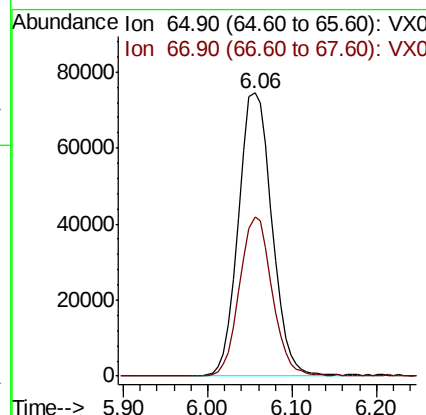
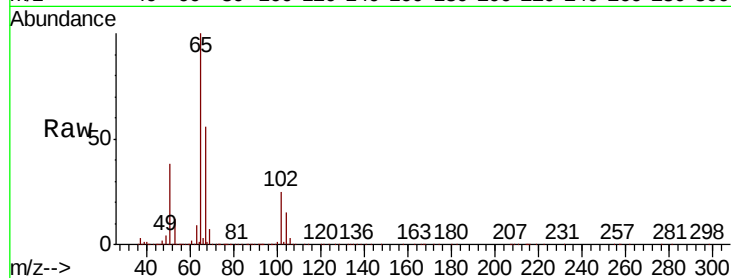




#33
 1,2-Dichloroethane-d4
 Concen: 41.067 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011803.D
 Acq: 23 Aug 2019 17:14

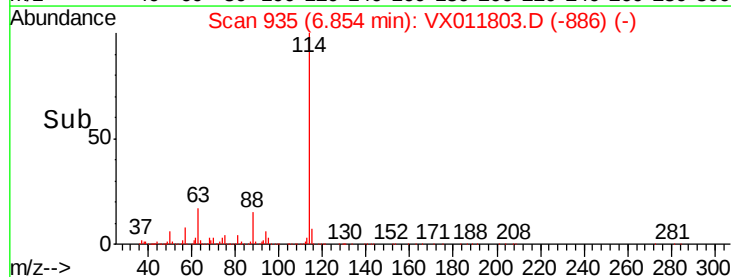
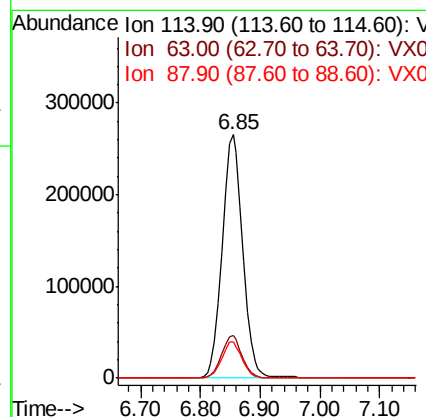
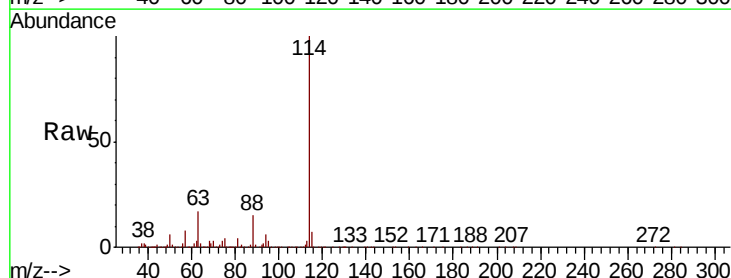
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

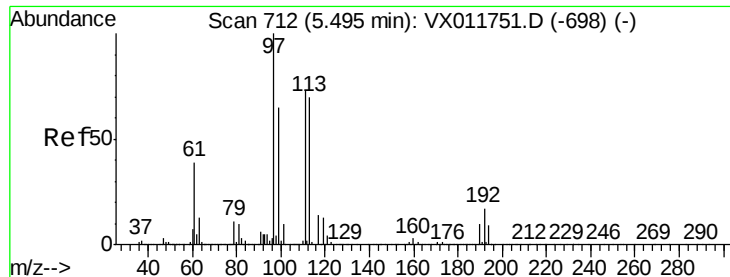
Tgt Ion: 65 Resp: 200309
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011803.D
 Acq: 23 Aug 2019 17:14

Tgt Ion: 114 Resp: 636894
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.8
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 45.486 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011803.D

Acq: 23 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

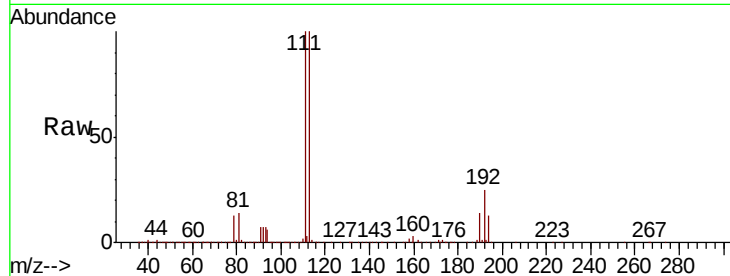
Tgt Ion:113 Resp: 187331

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

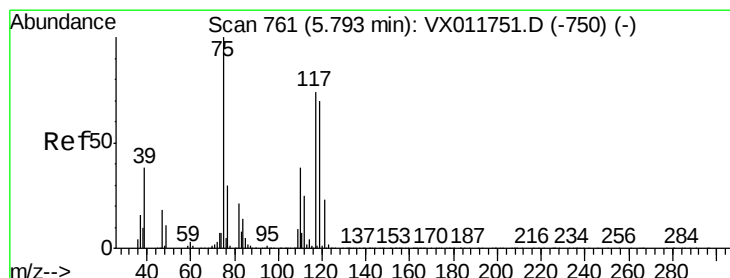
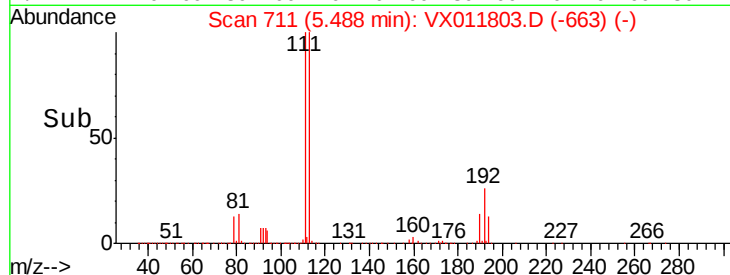
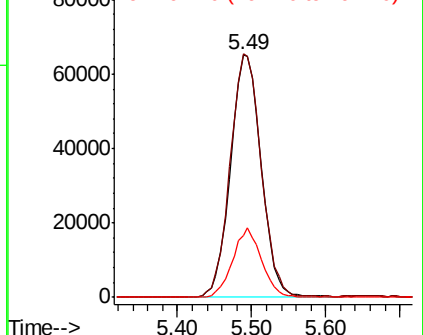
192 26.9 19.9 29.9



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



#36

1,1-Dichloropropene

Concen: 5.006 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011803.D

Acq: 23 Aug 2019 17:14

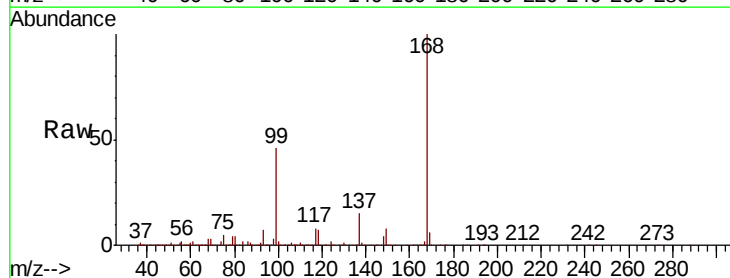
Tgt Ion: 75 Resp: 25004

Ion Ratio Lower Upper

75 100

110 11.3 19.0 57.0#

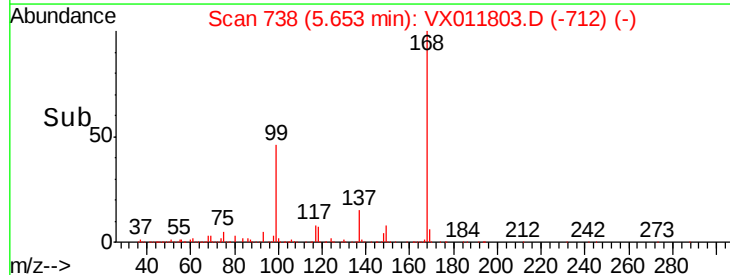
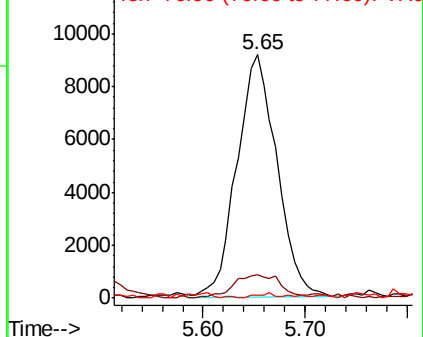
77 0.9 24.6 36.8#

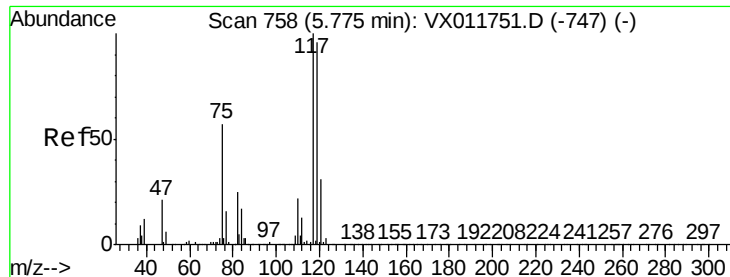


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.906 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011803.D

Acq: 23 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

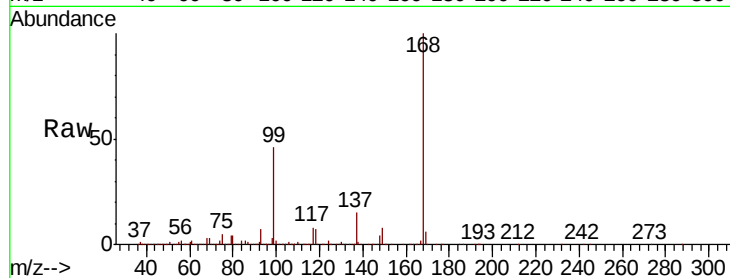
Tgt Ion: 117 Resp: 39090

Ion Ratio Lower Upper

117 100

119 4.6 76.6 114.8#

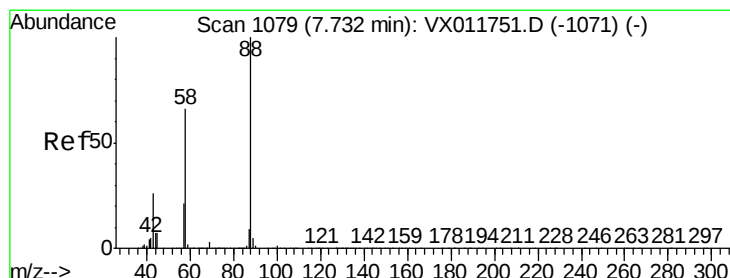
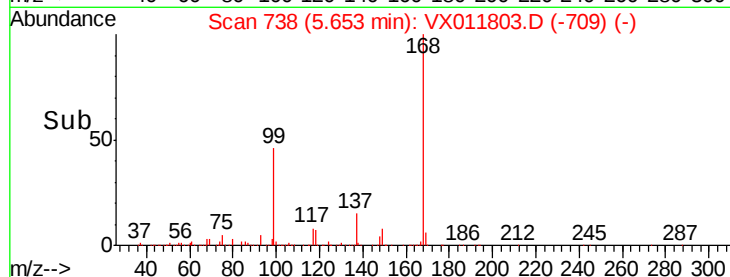
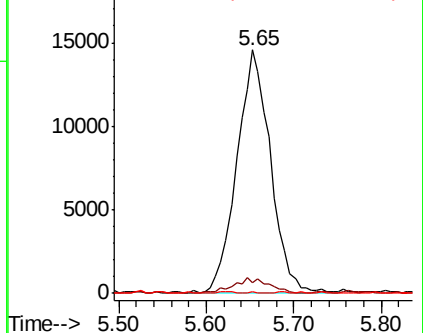
121 0.8 25.2 37.8#



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: 1.153 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VX011803.D

Acq: 23 Aug 2019 17:14

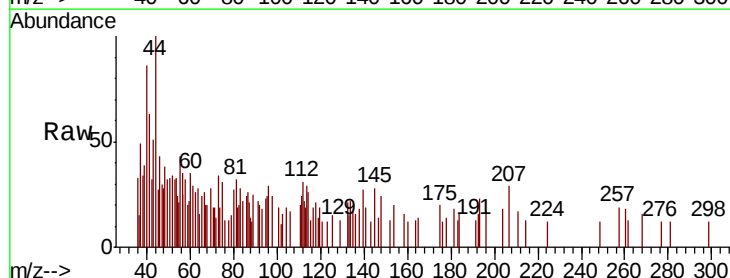
Tgt Ion: 88 Resp: 136

Ion Ratio Lower Upper

88 100

43 194.1 24.6 37.0#

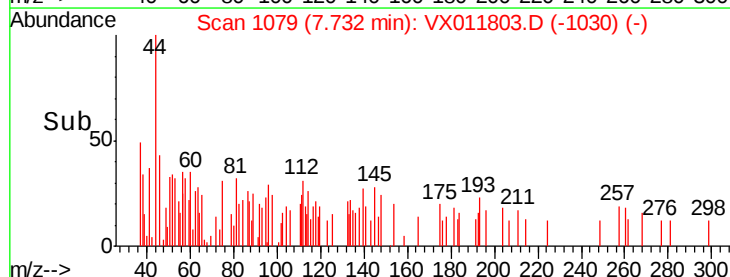
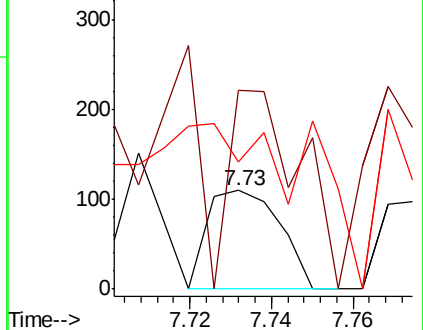
58 330.9 51.4 77.2#

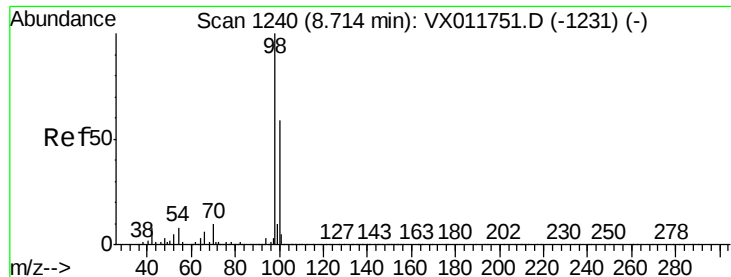


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.061 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011803.D

Acq: 23 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

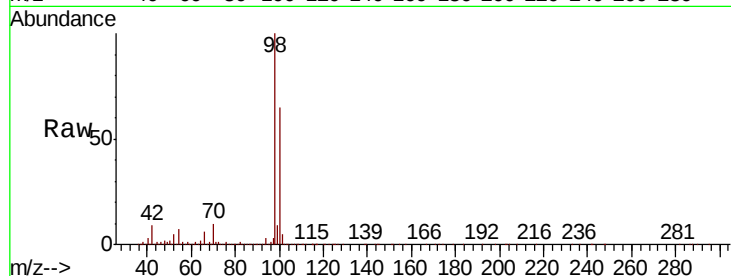
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 98 Resp: 719137

Ion Ratio Lower Upper

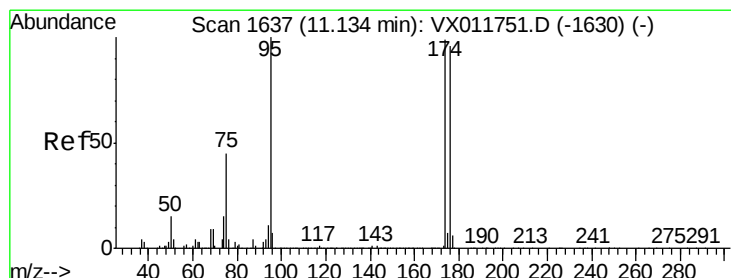
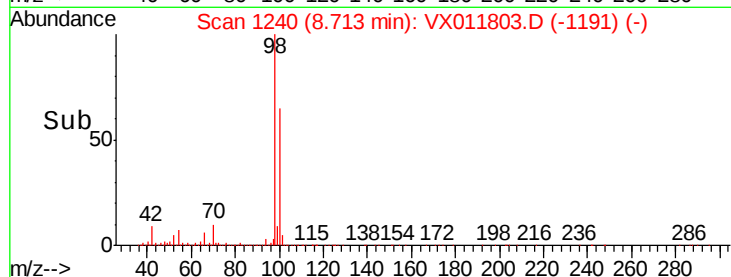
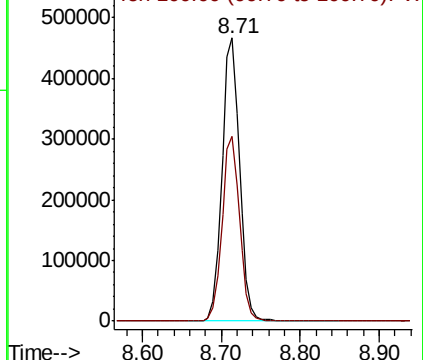
98 100

100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.091 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011803.D

Acq: 23 Aug 2019 17:14

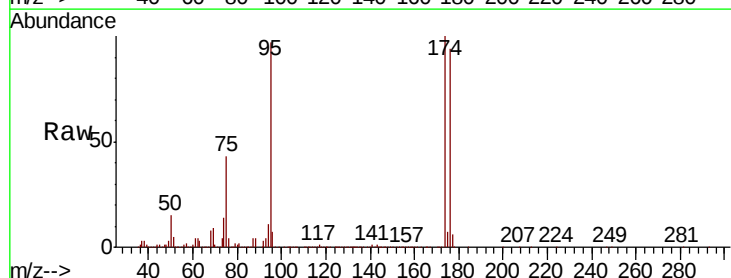
Tgt Ion: 95 Resp: 244671

Ion Ratio Lower Upper

95 100

174 104.6 0.0 197.4

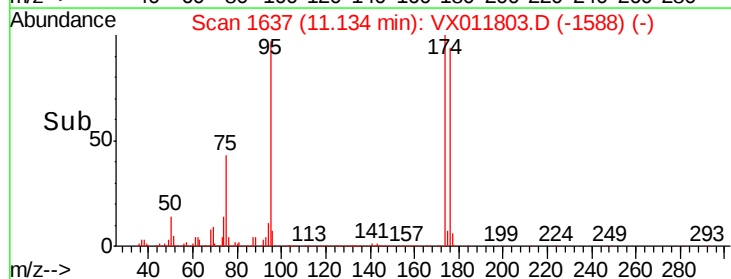
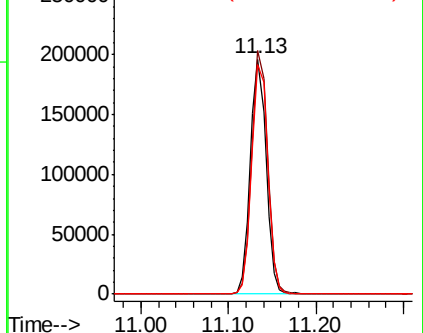
176 100.4 0.0 194.4

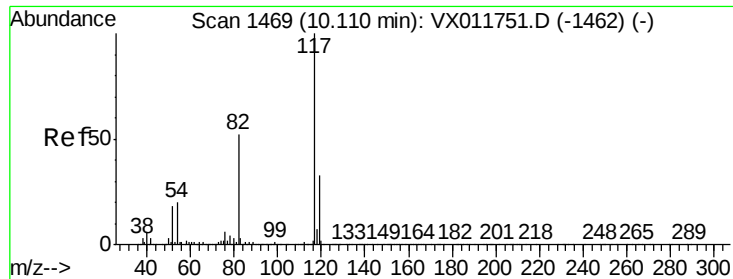


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

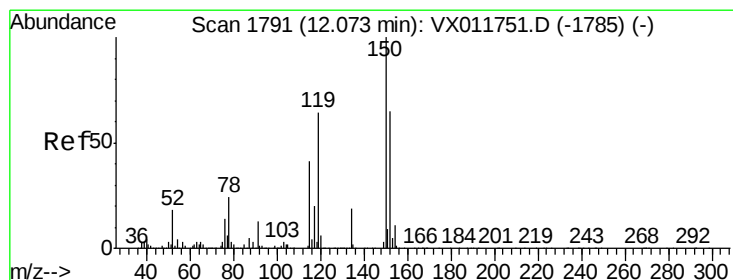
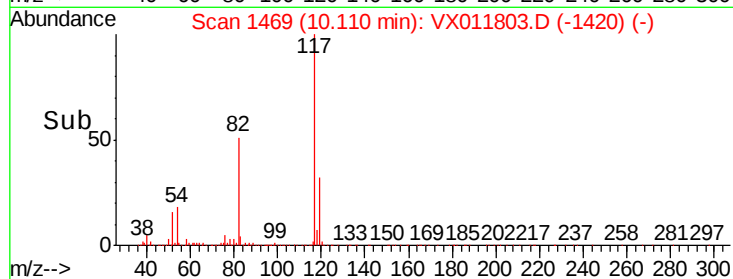
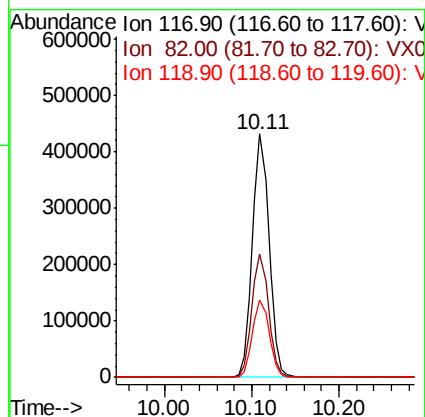
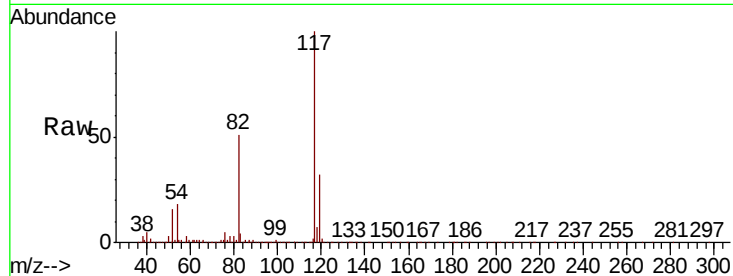




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011803.D
Acq: 23 Aug 2019 17:14

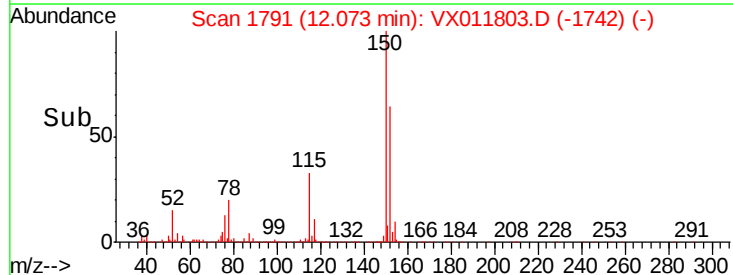
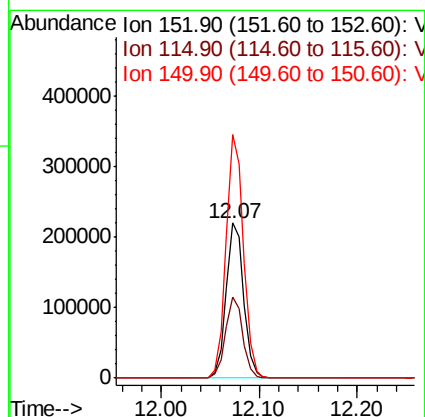
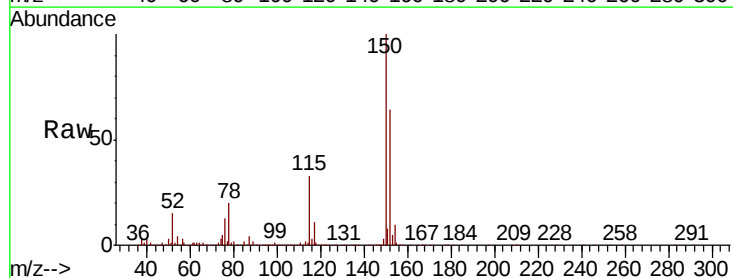
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

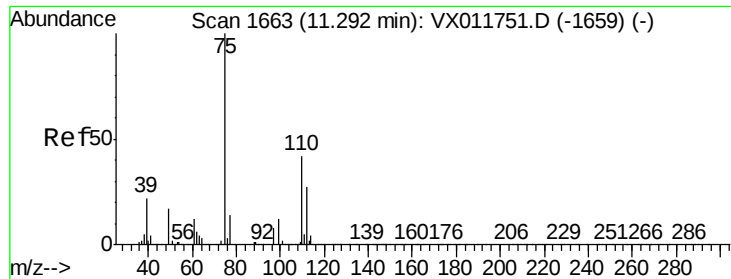
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.7	62.5
119	31.6	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011803.D
Acq: 23 Aug 2019 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.7	37.3	111.8
150	155.6	0.0	343.0





#76

1,2,3-Trichloropropane

Concen: 23.193 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011803.D

Acq: 23 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

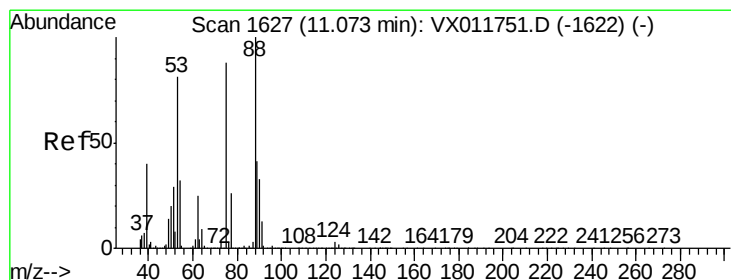
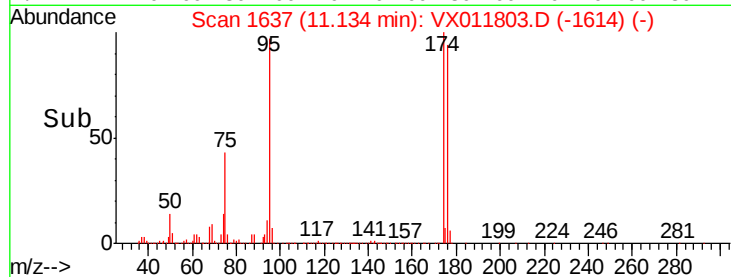
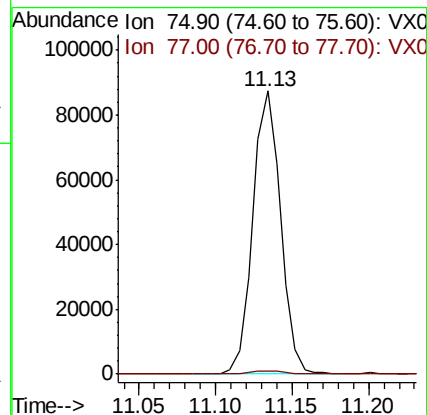
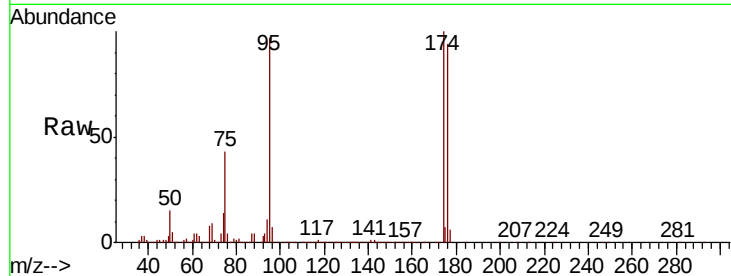
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 110369

Ion Ratio Lower Upper

75 100

77 1.7 21.1 63.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.945 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011803.D

Acq: 23 Aug 2019 17:14

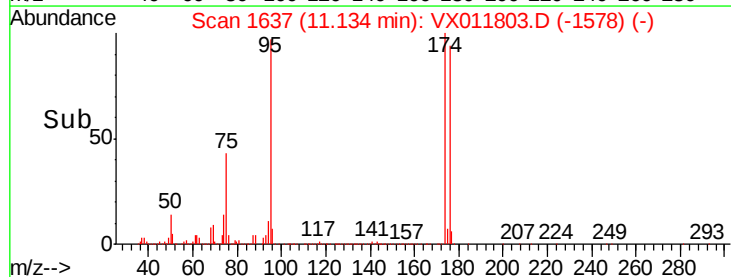
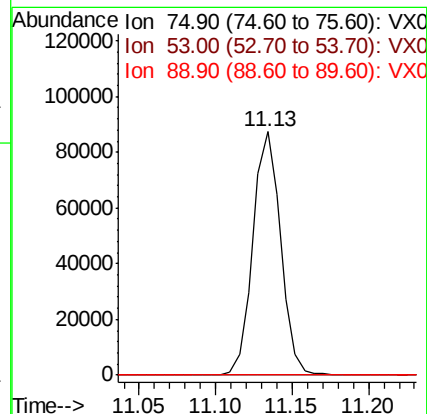
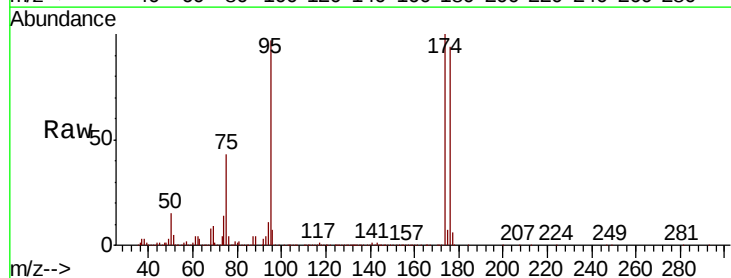
Tgt Ion: 75 Resp: 110369

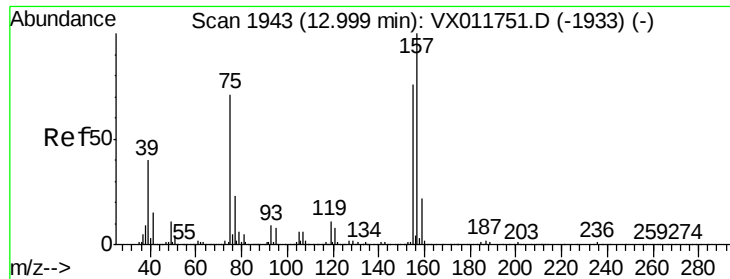
Ion Ratio Lower Upper

75 100

53 0.3 77.1 115.7#

89 0.0 38.5 57.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.219 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX011803.D

Acq: 23 Aug 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 276

Ion Ratio Lower Upper

75 100

155 37.0 52.6 157.9#

157 0.0 68.3 204.9#

