

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
 Data File : VX011790.D
 Acq On : 23 Aug 2019 12:09
 Operator : JC/SP
 Sample : K4488-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 390821768-TRIP-BLANK

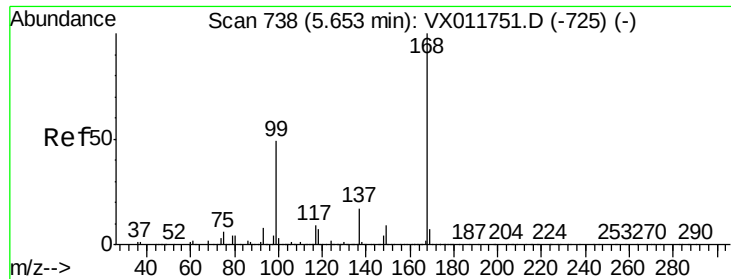
Quant Time: Aug 26 01:52:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	448363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	604475	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	529602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	256973	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	212184	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.22%		
35) Dibromofluoromethane	5.49	113	184285	47.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.30%		
50) Toluene-d8	8.71	98	684531	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.42%		
62) 4-Bromofluorobenzene	11.13	95	236139	43.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	863	0.427	ug/l #	34
6) Chloroethane	1.71	64	1188	0.554	ug/l #	44
10) Methyl Iodide	2.50	142	1596	0.362	ug/l #	68
11) Tert butyl alcohol	2.99	59	1404	1.577	ug/l #	64
12) 1,1-Dichloroethene	2.37	96	786	0.223	ug/l #	1
13) Acrolein	2.30	56	191	0.555	ug/l #	72
16) Acetone	2.43	43	176628	90.149	ug/l	99
17) Carbon Disulfide	2.57	76	2502	0.281	ug/l #	86
18) Methyl Acetate	2.60	43	38807	7.299	ug/l #	52
20) Methylene Chloride	2.85	84	4442	1.109	ug/l #	88
29) Tetrahydrofuran	5.15	42	770	0.427	ug/l #	40
36) 1,1-Dichloropropene	5.65	75	25831	5.449	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37955	7.065	ug/l #	17
49) 1,4-Dioxane	7.73	88	205	1.831	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	110447	24.494	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	110447	73.870	ug/l #	11
88) 1,4-Dichlorobenzene	12.10	146	1840	0.231	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1421	0.244	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

Instrument :

MSVOA_X

ClientSampleId :

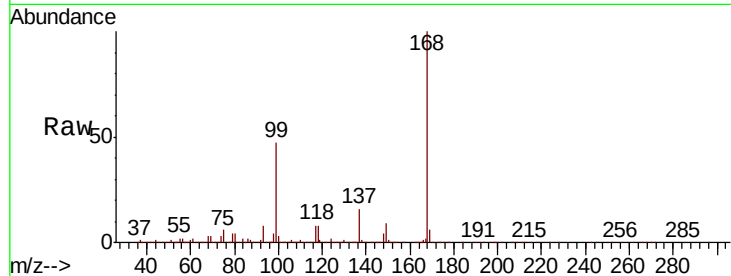
390821768-TRIP-BLANK

Tgt Ion:168 Resp: 448363

Ion Ratio Lower Upper

168 100

99 46.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

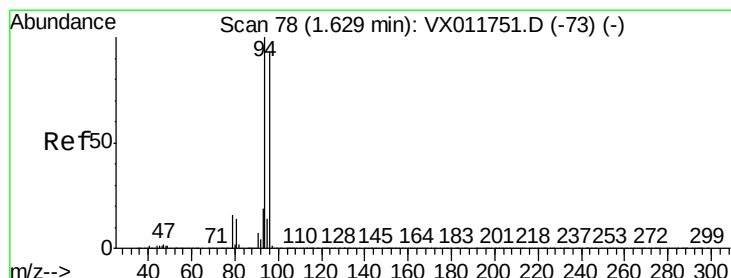
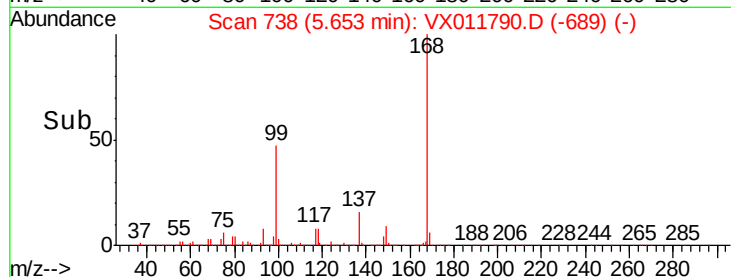
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.427 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.03 min

Lab File: VX011790.D

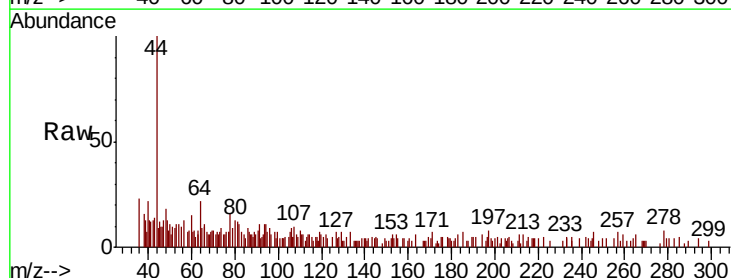
Acq: 23 Aug 2019 12:09

Tgt Ion: 94 Resp: 863

Ion Ratio Lower Upper

94 100

96 29.6 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

500

400

300

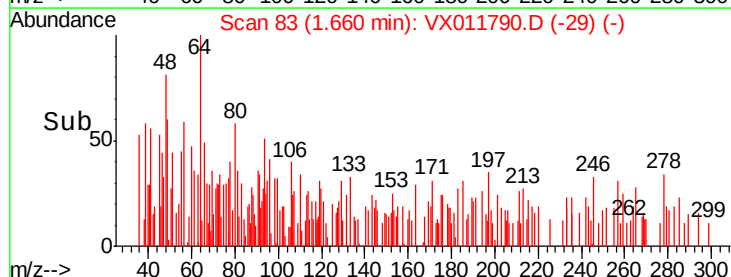
200

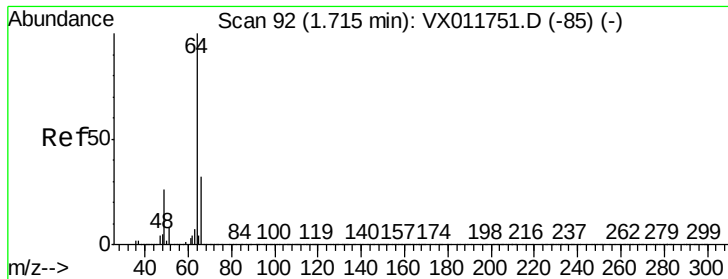
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.554 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

Instrument :

MSVOA_X

ClientSampleId :

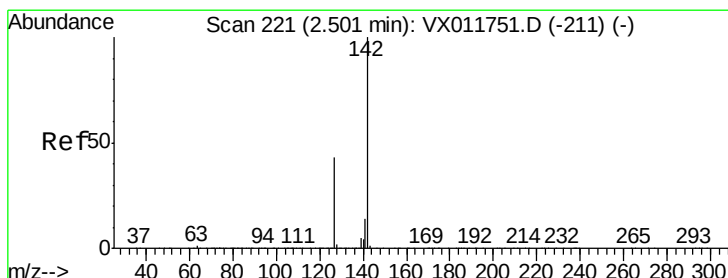
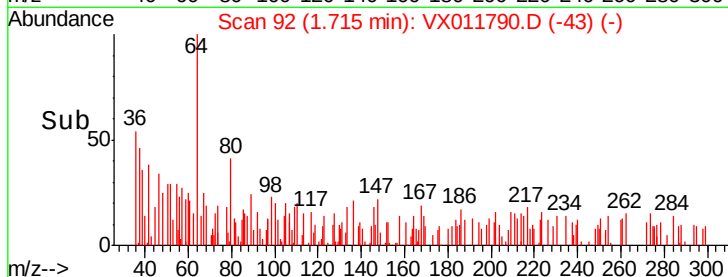
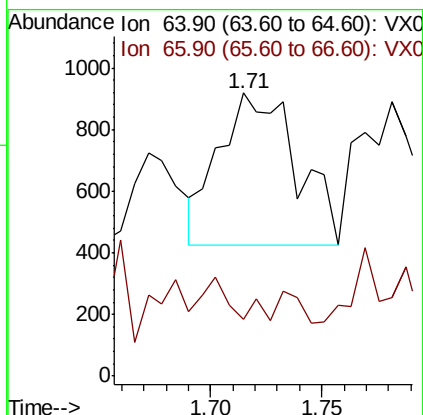
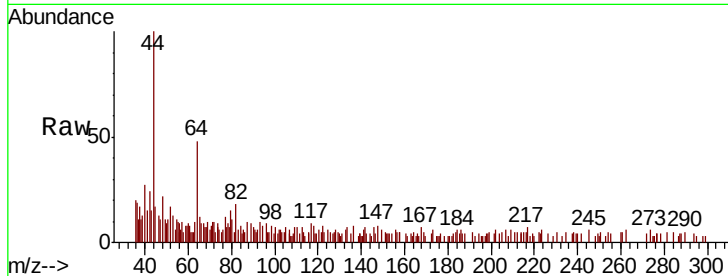
390821768-TRIP-BLANK

Tgt Ion: 64 Resp: 1188

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#10

Methyl Iodide

Concen: 0.362 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

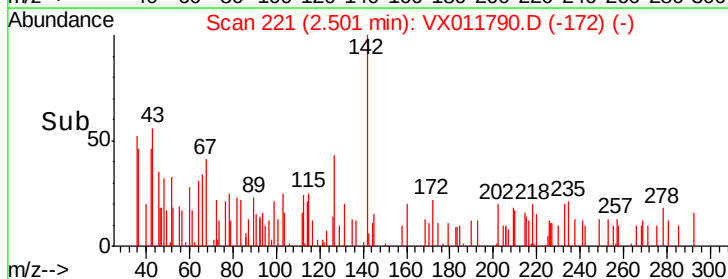
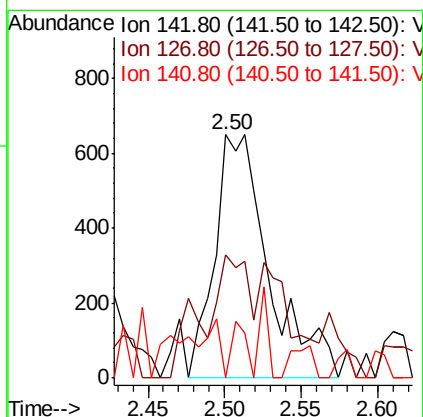
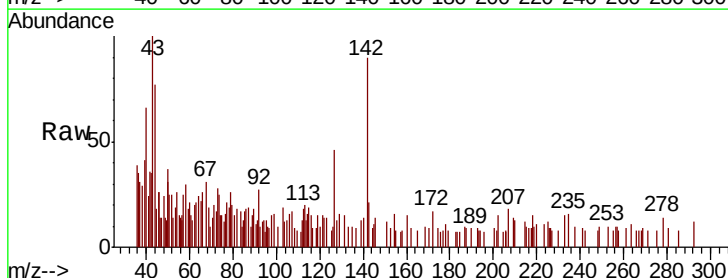
Tgt Ion: 142 Resp: 1596

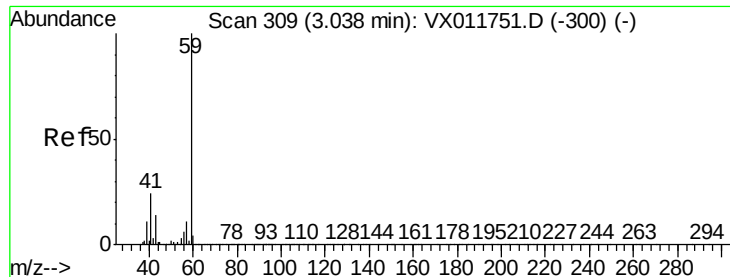
Ion Ratio Lower Upper

142 100

127 18.8 33.5 50.3#

141 6.2 11.4 17.2#



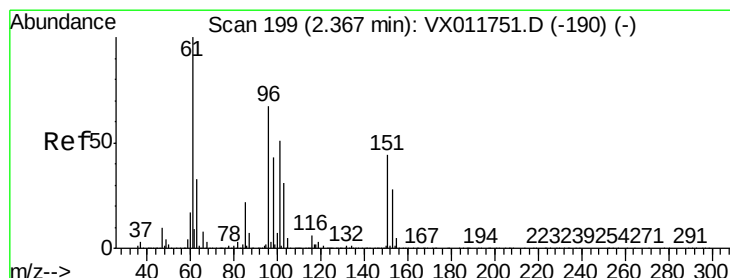
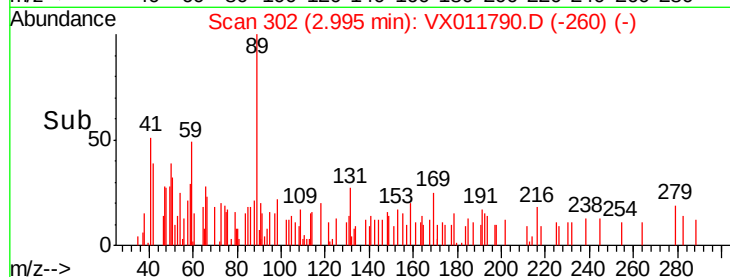
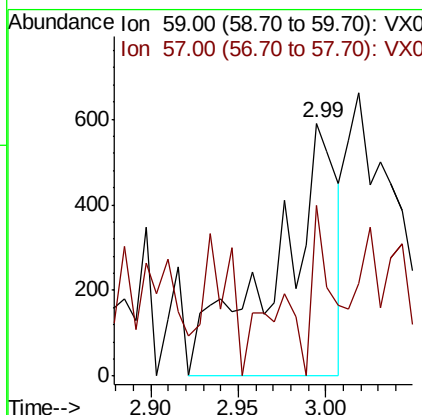
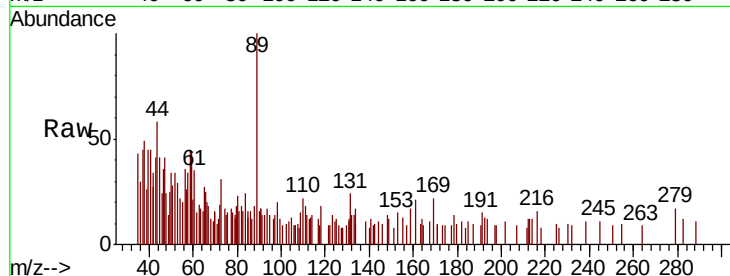


#11

Tert butyl alcohol
Concen: 1.577 ug/l
RT: 2.99 min Scan# 302
Delta R.T. -0.04 min
Lab File: VX011790.D
Acq: 23 Aug 2019 12:09

Instrument :
MSVOA_X
ClientSampleId :
390821768-TRIP-BLANK

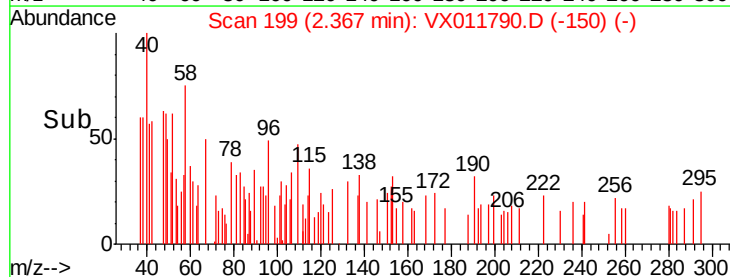
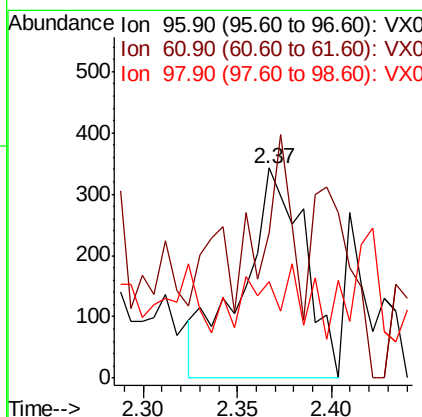
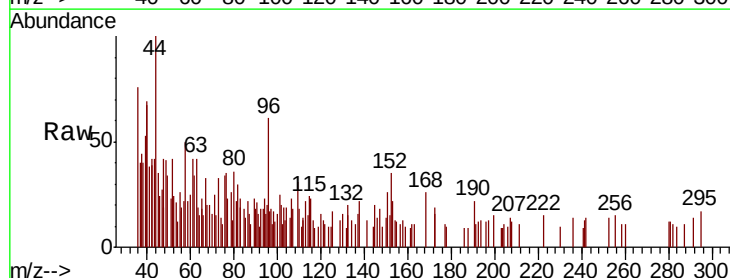
Tgt Ion: 59 Resp: 1404
Ion Ratio Lower Upper
59 100
57 24.1 8.4 12.6#

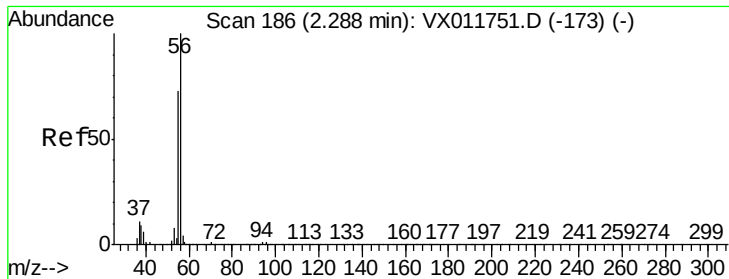


#12

1,1-Dichloroethene
Concen: 0.223 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX011790.D
Acq: 23 Aug 2019 12:09

Tgt Ion: 96 Resp: 786
Ion Ratio Lower Upper
96 100
61 0.0 119.4 179.2#
98 0.0 51.2 76.8#





#13

Acrolein

Concen: 0.555 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

Instrument :

MSVOA_X

ClientSampleId :

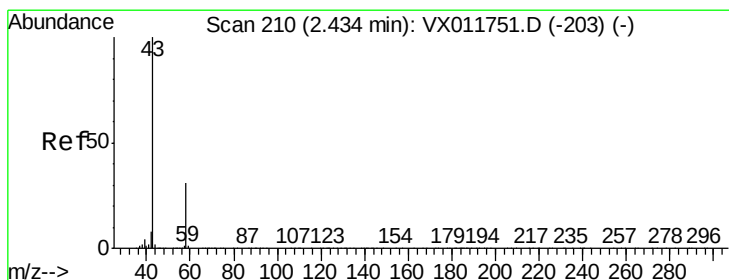
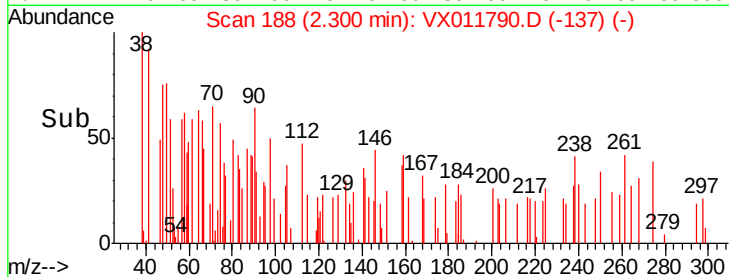
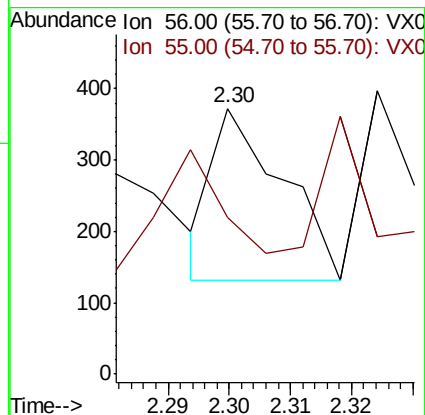
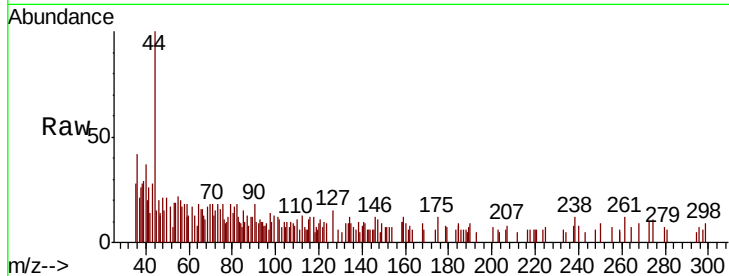
390821768-TRIP-BLANK

Tgt Ion: 56 Resp: 191

Ion Ratio Lower Upper

56 100

55 91.1 54.8 82.2#



#16

Acetone

Concen: 90.149 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011790.D

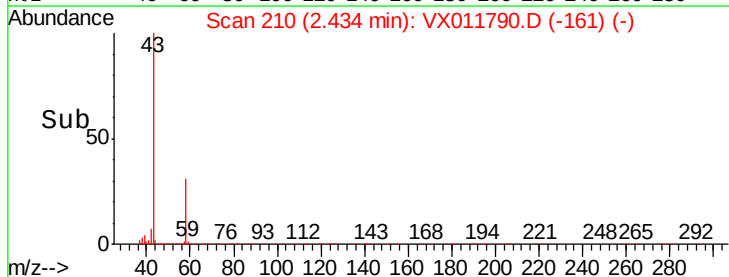
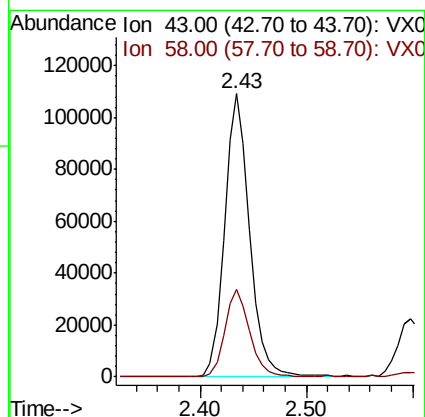
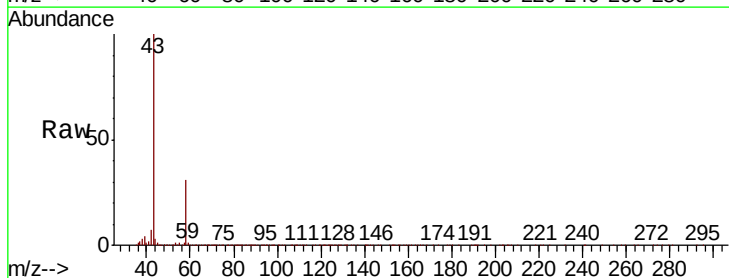
Acq: 23 Aug 2019 12:09

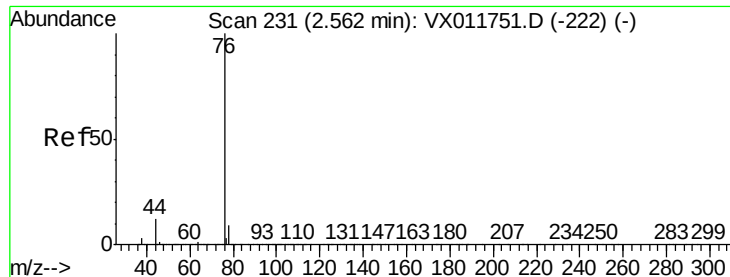
Tgt Ion: 43 Resp: 176628

Ion Ratio Lower Upper

43 100

58 30.8 24.4 36.6





#17

Carbon Disulfide

Concen: 0.281 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

Instrument :

MSVOA_X

ClientSampleId :

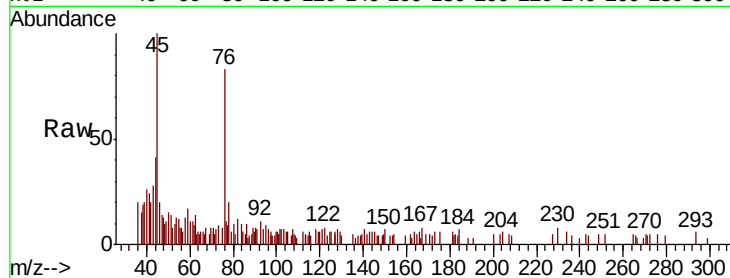
390821768-TRIP-BLANK

Tgt Ion: 76 Resp: 2502

Ion Ratio Lower Upper

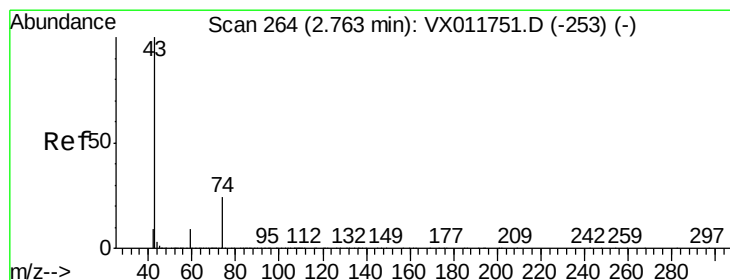
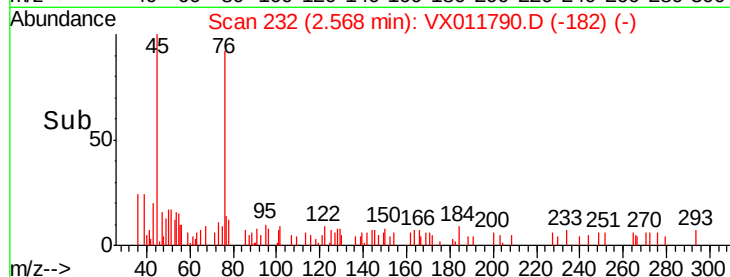
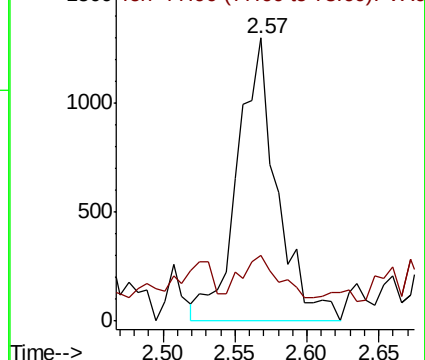
76 100

78 14.2 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 7.299 ug/l

RT: 2.60 min Scan# 237

Delta R.T. -0.16 min

Lab File: VX011790.D

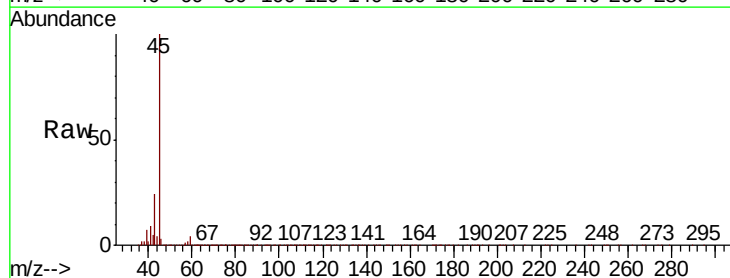
Acq: 23 Aug 2019 12:09

Tgt Ion: 43 Resp: 38807

Ion Ratio Lower Upper

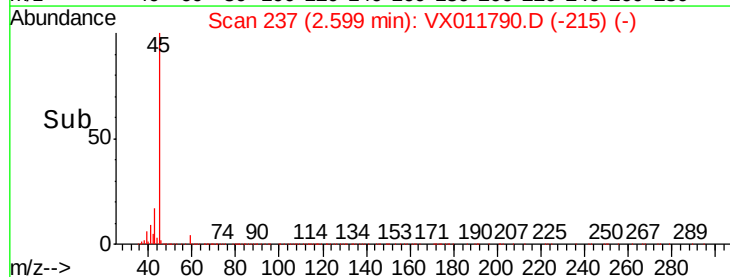
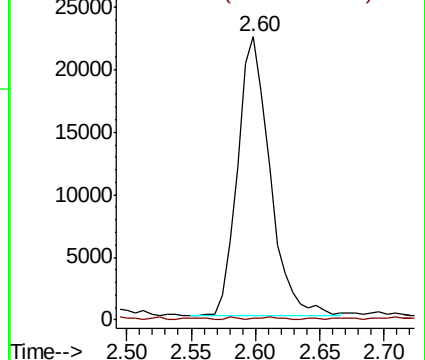
43 100

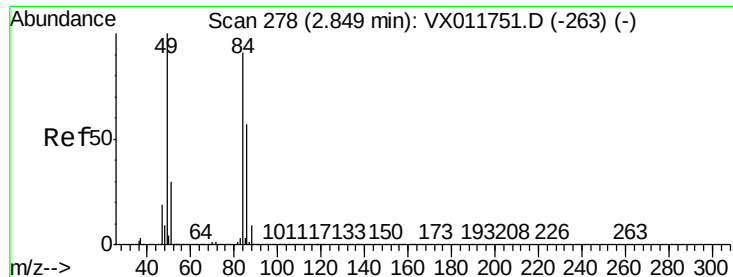
74 0.8 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

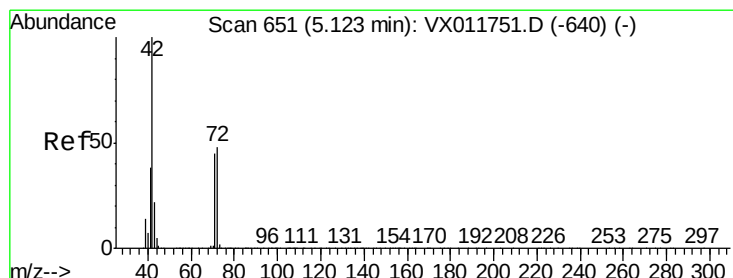
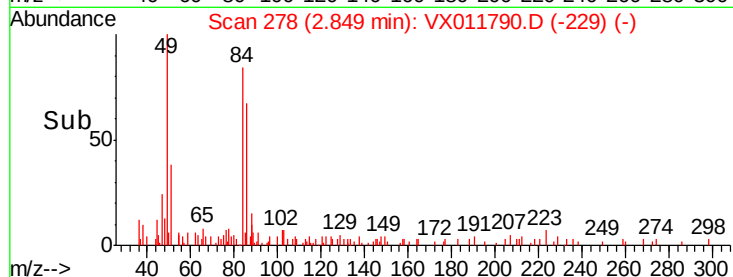
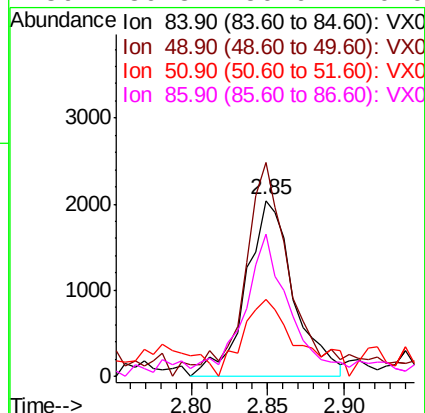
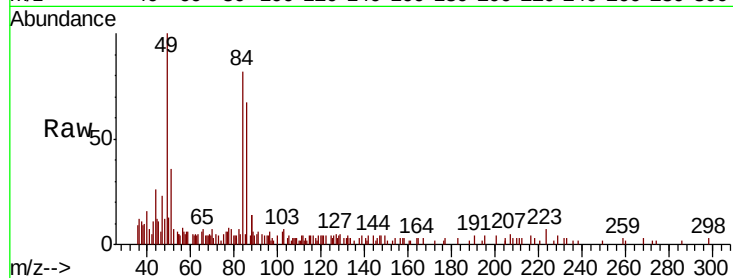




#20
Methylene Chloride
Concen: 1.109 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011790.D
Acq: 23 Aug 2019 12:09

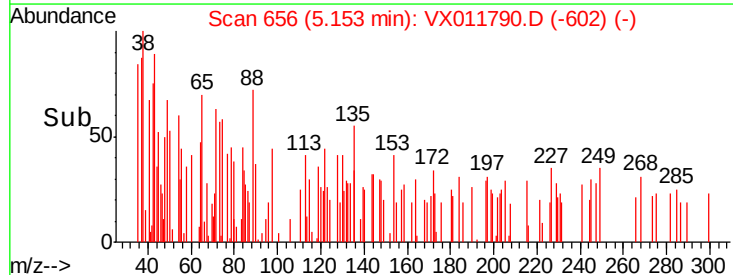
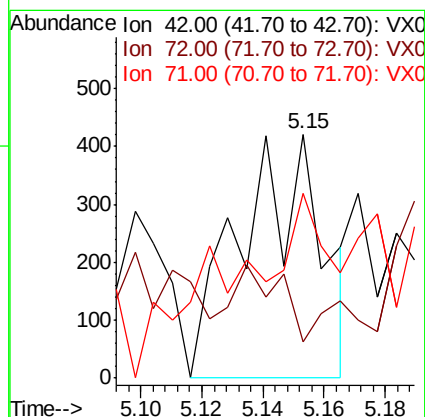
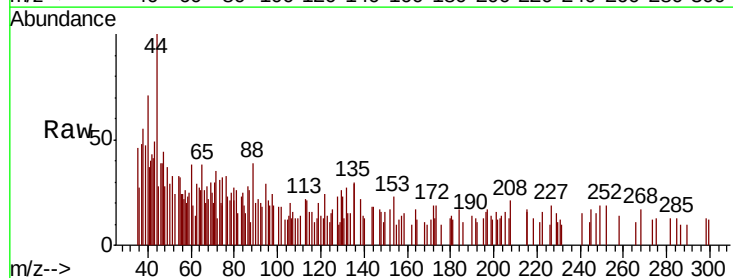
Instrument :
MSVOA_X
ClientSampleId :
390821768-TRIP-BLANK

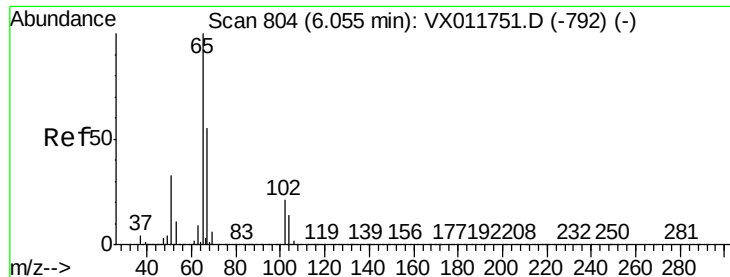
Tgt Ion:	84	Resp:	4442
Ion	Ratio	Lower	Upper
84	100		
49	120.1	88.3	132.5
51	33.5	26.2	39.2
86	80.3	50.6	76.0#



#29
Tetrahydrofuran
Concen: 0.427 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.03 min
Lab File: VX011790.D
Acq: 23 Aug 2019 12:09

Tgt Ion:	42	Resp:	770
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	11.7	34.6	51.8#





#33

1,2-Dichloroethane-d4

Concen: 47.109 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

Instrument :

MSVOA_X

ClientSampleId :

390821768-TRIP-BLANK

Tgt Ion: 65 Resp: 212184

Ion Ratio Lower Upper

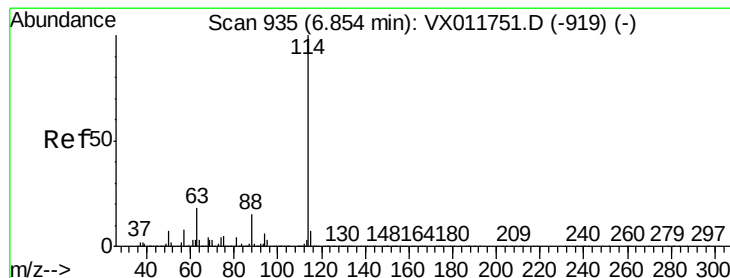
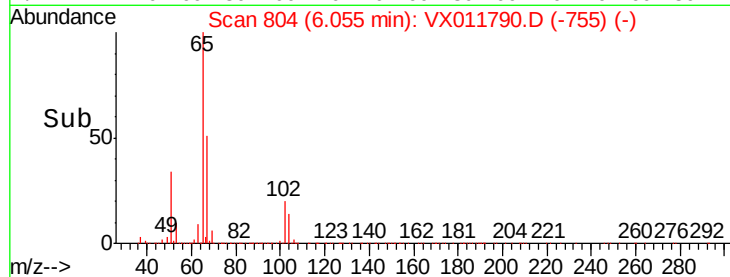
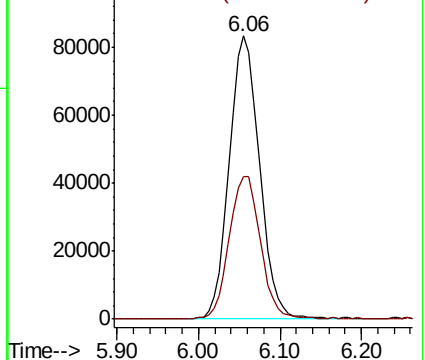
65 100

67 52.0 0.0 107.8



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# 935

Delta R.T. -0.00 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

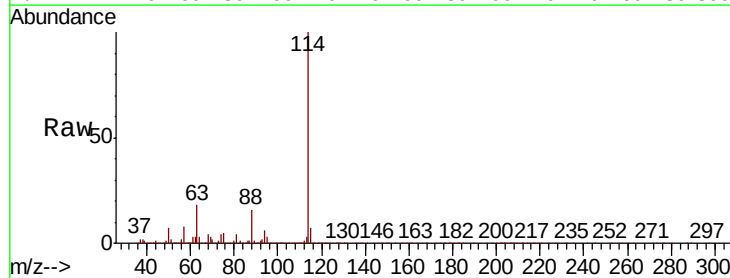
Tgt Ion: 114 Resp: 604475

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

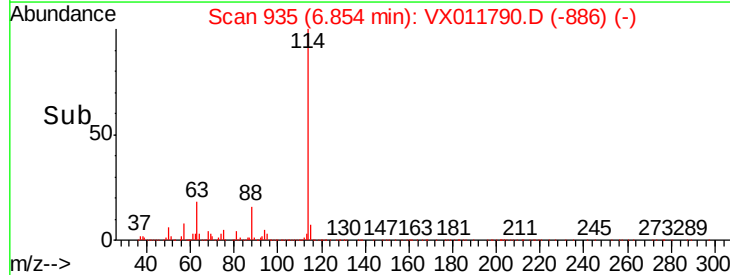
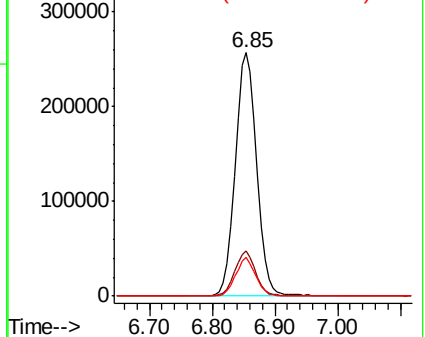
88 15.8 0.0 30.2

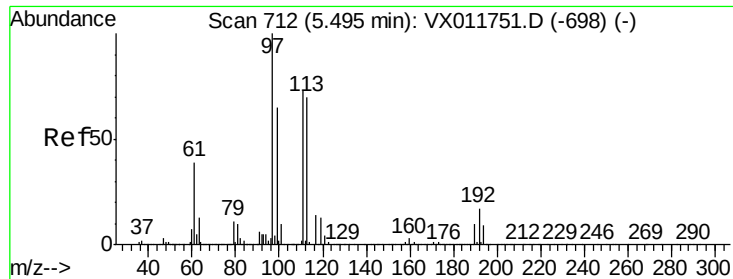


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.146 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

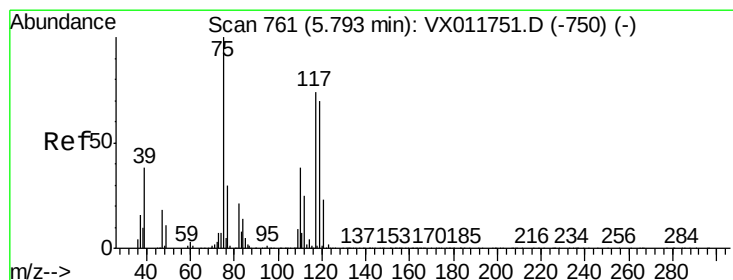
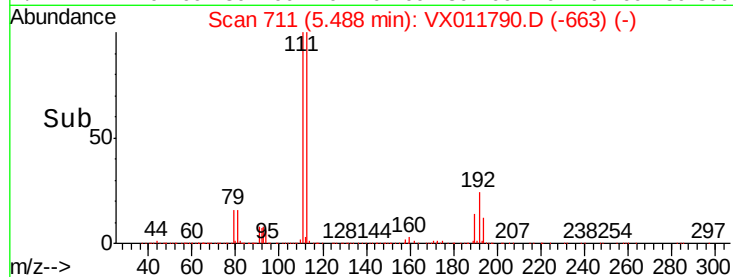
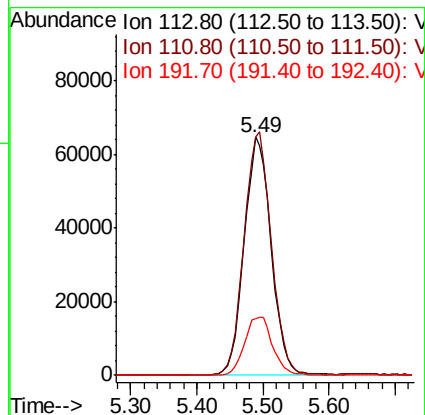
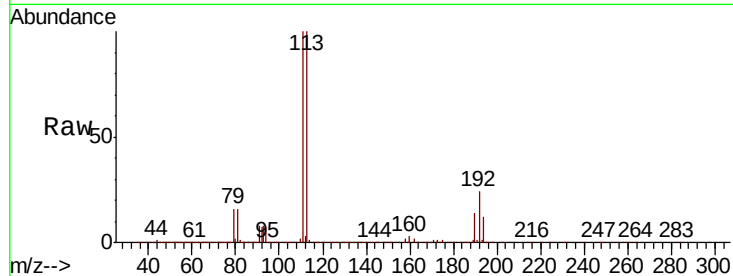
Instrument :

MSVOA_X

ClientSampleId :

390821768-TRIP-BLANK

Tgt Ion:	113	Resp:	184285
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.4
192	25.5	19.9	29.9



#36

1,1-Dichloropropene

Concen: 5.449 ug/l

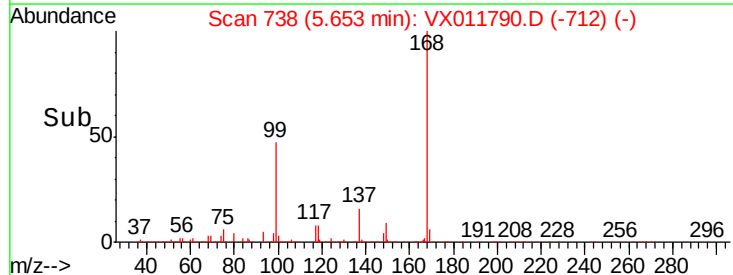
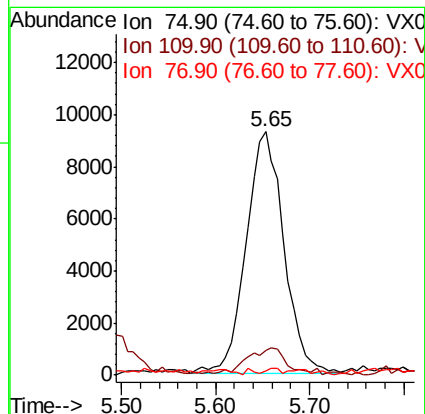
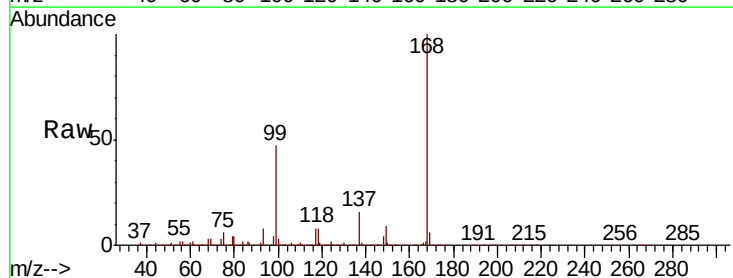
RT: 5.65 min Scan# 738

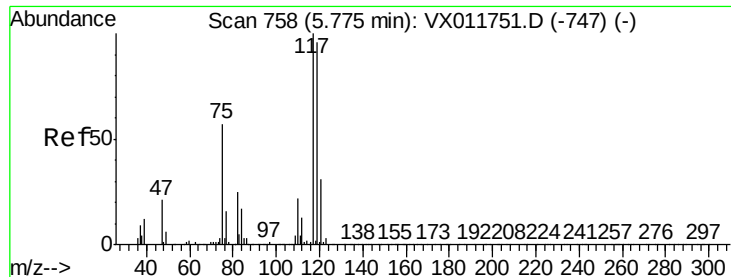
Delta R.T. -0.14 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

Tgt Ion:	75	Resp:	25831
Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.0	57.0#
77	0.8	24.6	36.8#

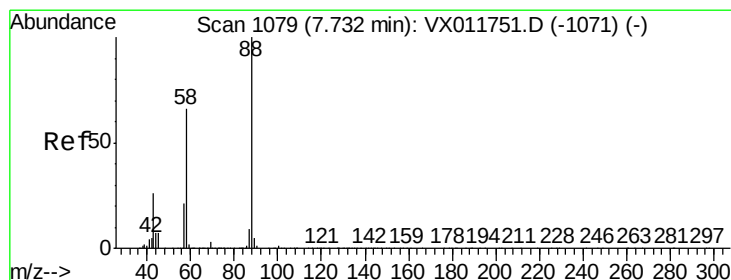
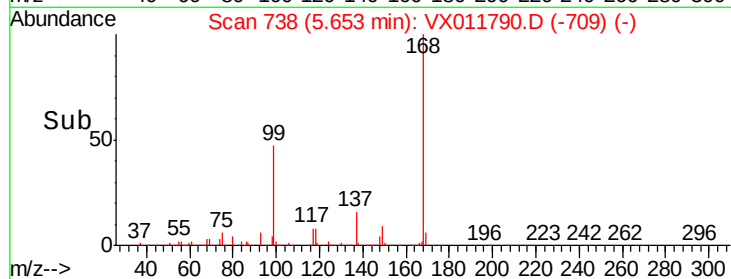
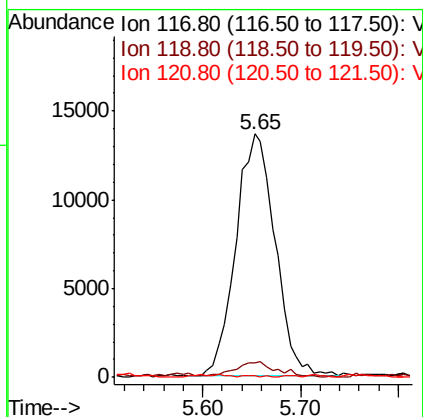
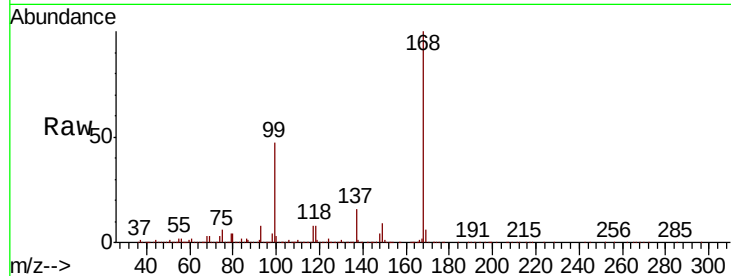




#38
Carbon Tetrachloride
Concen: 7.065 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.12 min
Lab File: VX011790.D
Acq: 23 Aug 2019 12:09

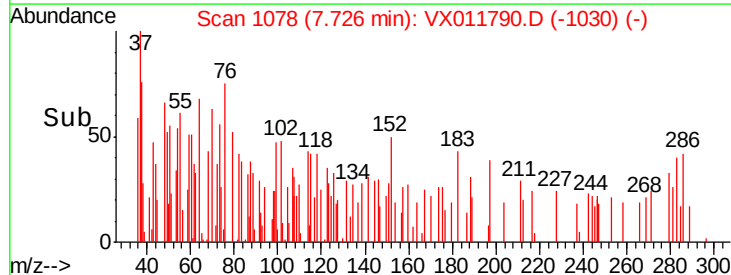
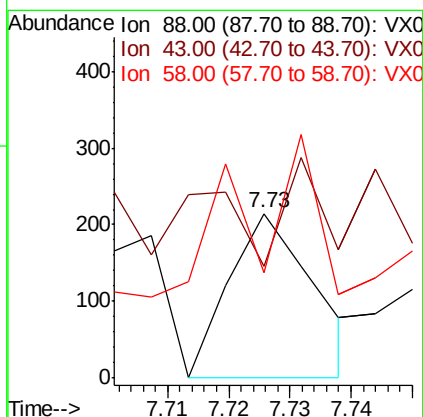
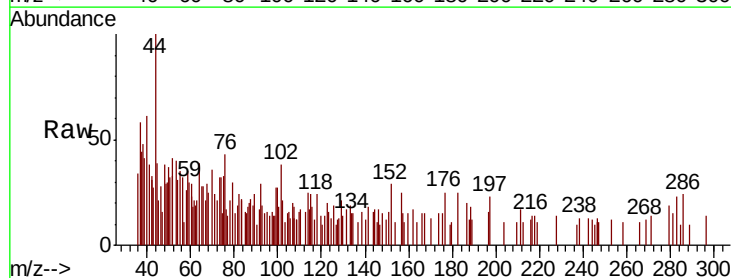
Instrument :
MSVOA_X
ClientSampleId :
390821768-TRIP-BLANK

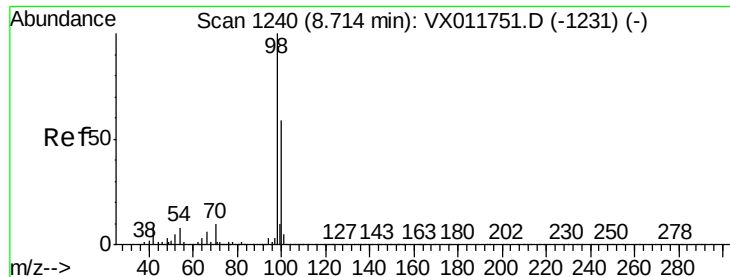
Tgt Ion: 117 Resp: 37955
Ion Ratio Lower Upper
117 100
119 6.1 76.6 114.8#
121 0.6 25.2 37.8#



#49
1,4-Dioxane
Concen: 1.831 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX011790.D
Acq: 23 Aug 2019 12:09

Tgt Ion: 88 Resp: 205
Ion Ratio Lower Upper
88 100
43 161.0 24.6 37.0#
58 250.7 51.4 77.2#





#50

Toluene-d8

Concen: 50.208 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

Instrument :

MSVOA_X

ClientSampleId :

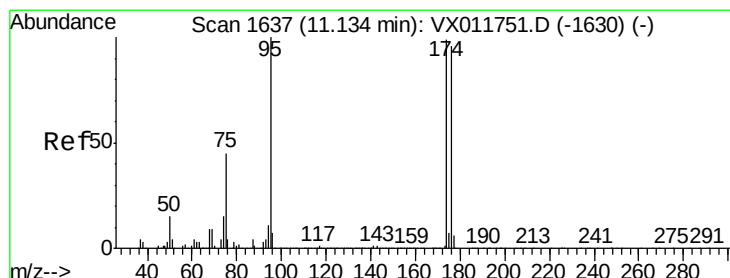
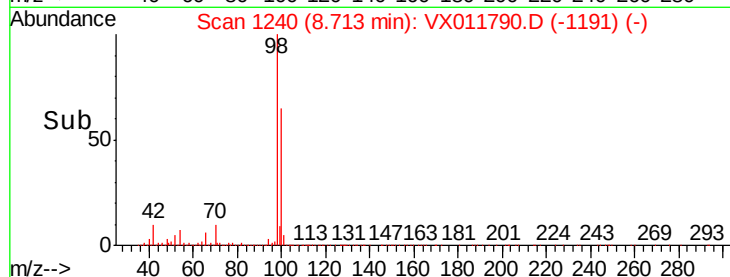
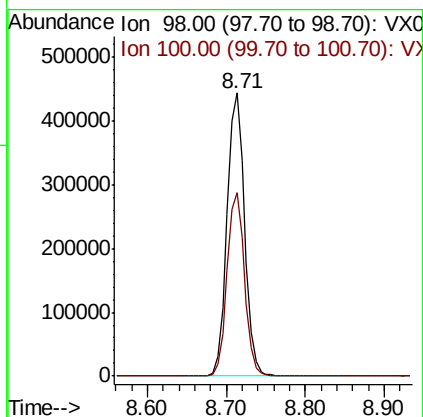
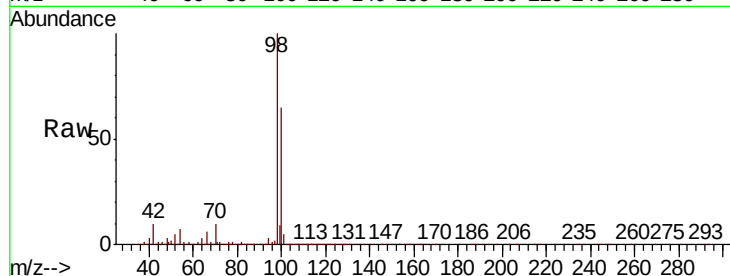
390821768-TRIP-BLANK

Tgt Ion: 98 Resp: 684531

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 43.819 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

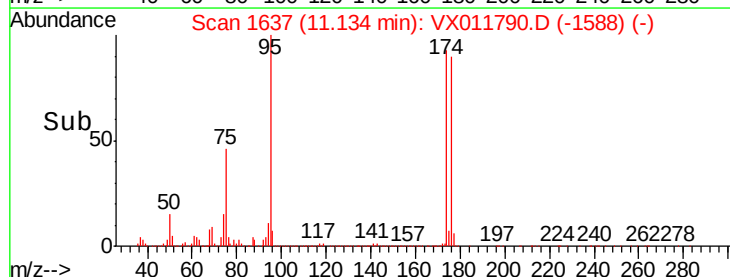
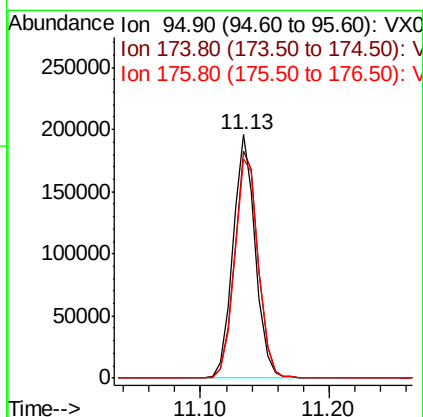
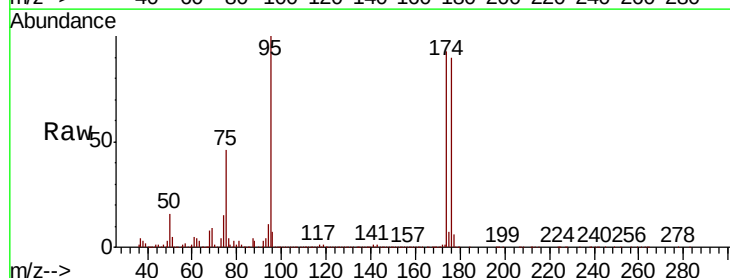
Tgt Ion: 95 Resp: 236139

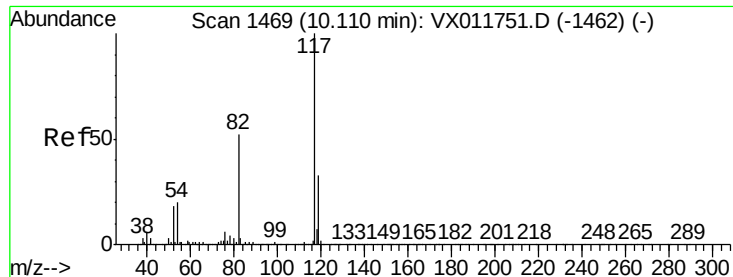
Ion Ratio Lower Upper

95 100

174 97.8 0.0 197.4

176 96.0 0.0 194.4

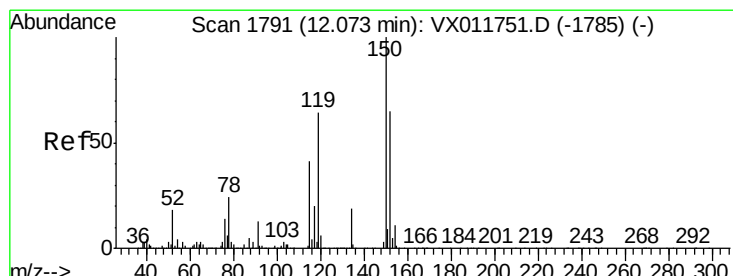
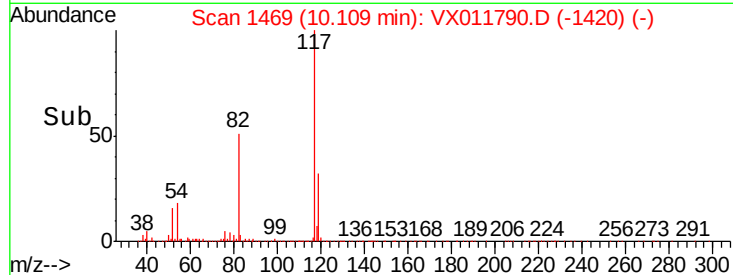
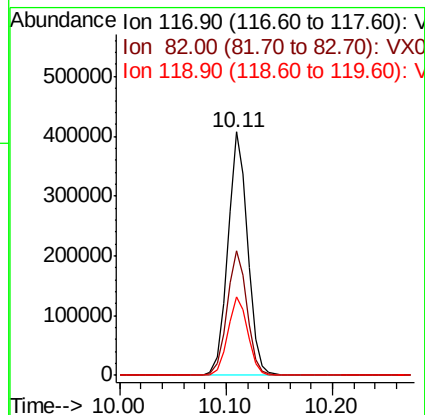
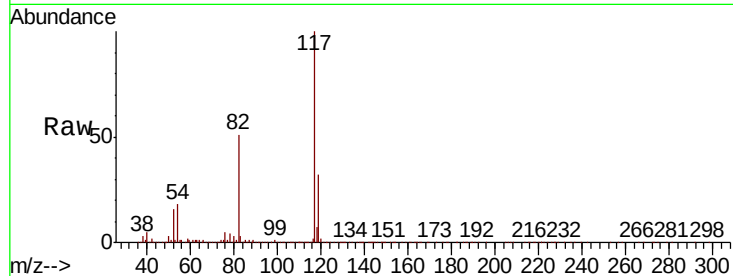




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011790.D
Acq: 23 Aug 2019 12:09

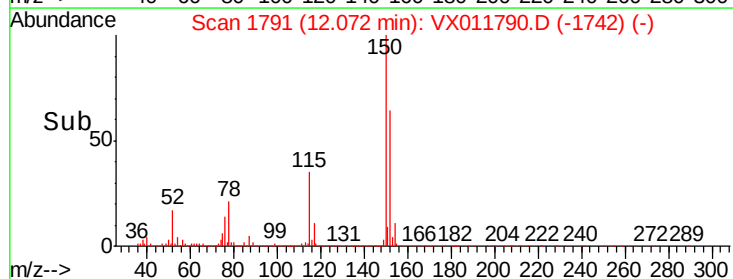
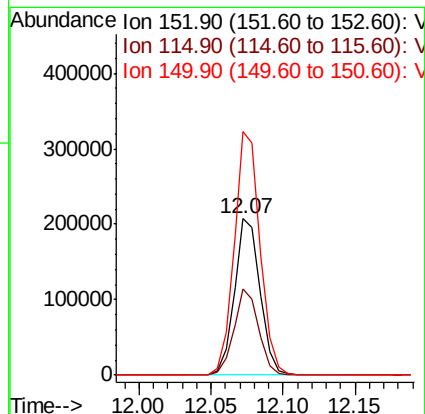
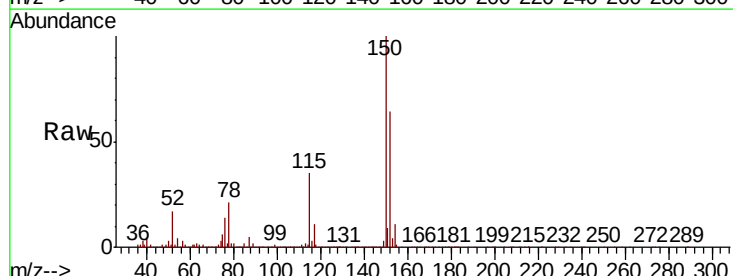
Instrument :
MSVOA_X
ClientSampleId :
390821768-TRIP-BLANK

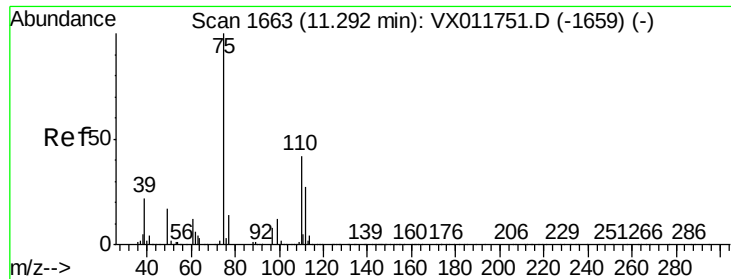
Tgt Ion:117 Resp: 529602
Ion Ratio Lower Upper
117 100
82 50.9 41.7 62.5
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011790.D
Acq: 23 Aug 2019 12:09

Tgt Ion:152 Resp: 256973
Ion Ratio Lower Upper
152 100
115 53.6 37.3 111.8
150 157.1 0.0 343.0





#76

1,2,3-Trichloropropane

Concen: 24.494 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

Instrument :

MSVOA_X

ClientSampleId :

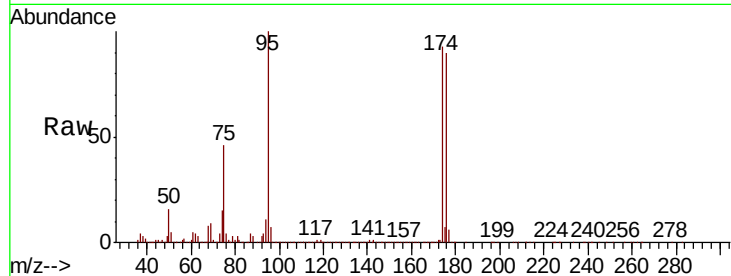
390821768-TRIP-BLANK

Tgt Ion: 75 Resp: 110447

Ion Ratio Lower Upper

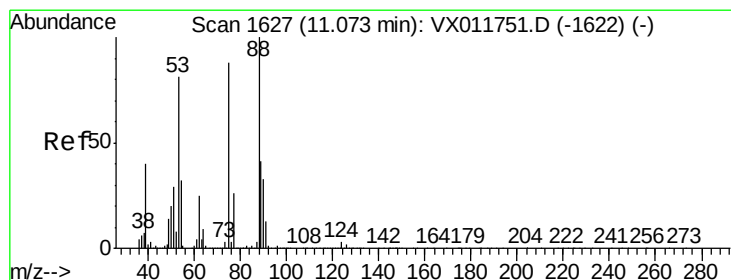
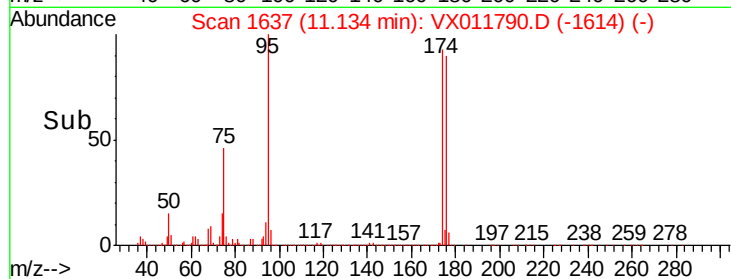
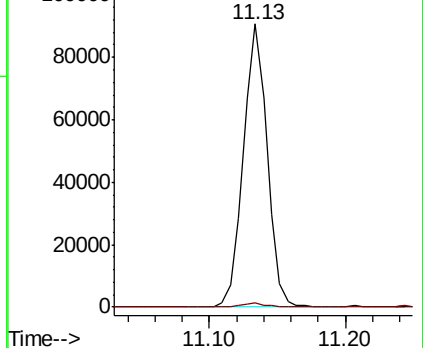
75 100

77 1.7 21.1 63.3#



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: 73.870 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

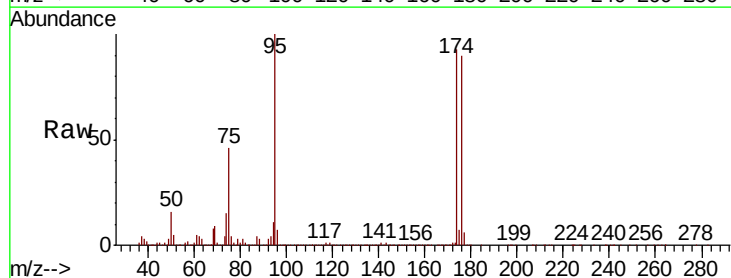
Tgt Ion: 75 Resp: 110447

Ion Ratio Lower Upper

75 100

53 0.2 77.1 115.7#

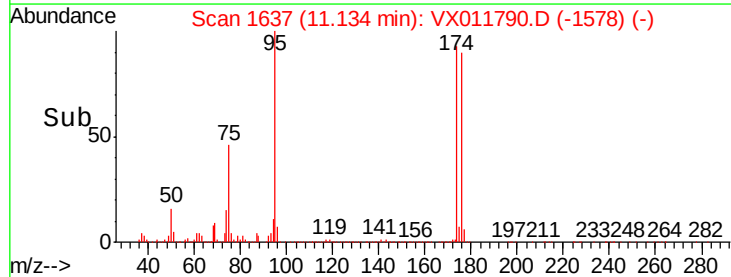
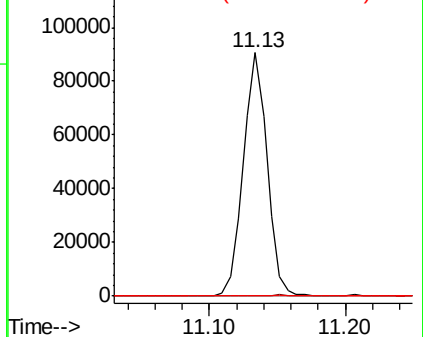
89 0.0 38.5 57.7#

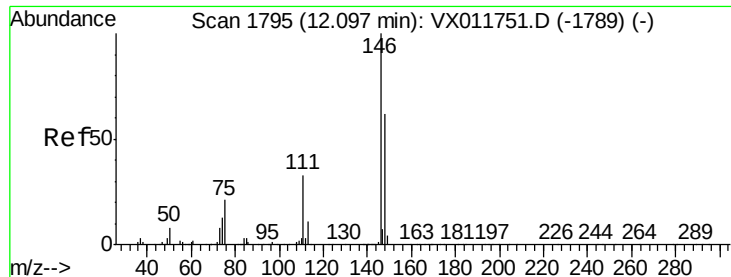


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#88

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

Instrument :

MSVOA_X

ClientSampleId :

390821768-TRIP-BLANK

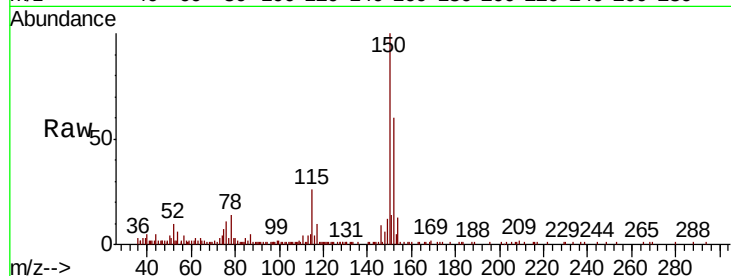
Tgt Ion:146 Resp: 1840

Ion Ratio Lower Upper

146 100

111 210.7 17.8 53.4#

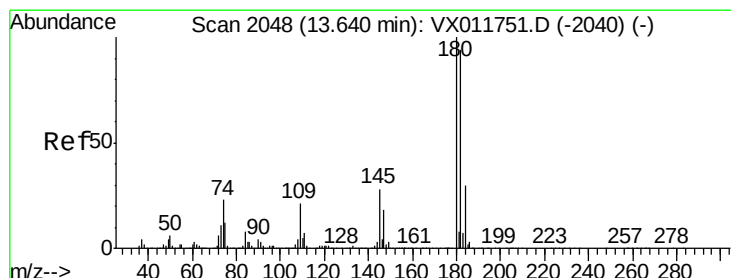
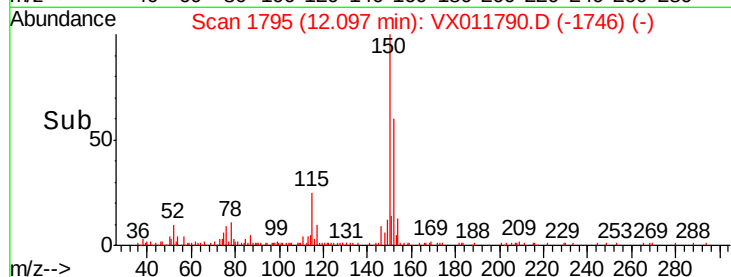
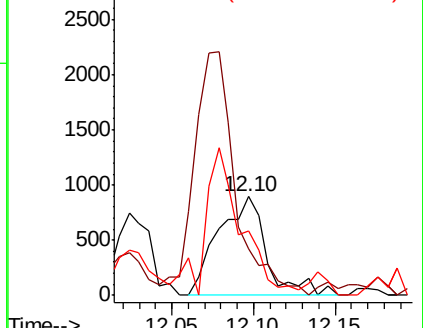
148 114.1 31.9 95.7#



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: 0.244 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VX011790.D

Acq: 23 Aug 2019 12:09

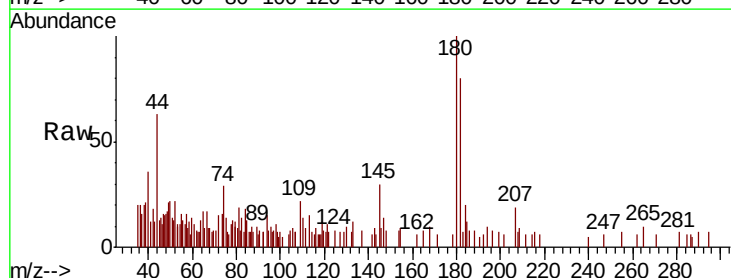
Tgt Ion:180 Resp: 1421

Ion Ratio Lower Upper

180 100

182 84.9 47.8 143.4

145 37.6 14.1 42.3



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

