

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX082019\
 Data File : VX011688.D
 Acq On : 20 Aug 2019 16:35
 Operator : JC/SP
 Sample : K4413-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Aug 20 23:24:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	391424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	556459	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	506320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	238381	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	202724	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	
35) Dibromofluoromethane	5.49	113	164211	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	
50) Toluene-d8	8.71	98	631206	55.66	ug/l	0.00
Spiked Amount			Recovery	=	111.32%	
62) 4-Bromofluorobenzene	11.13	95	224188	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	

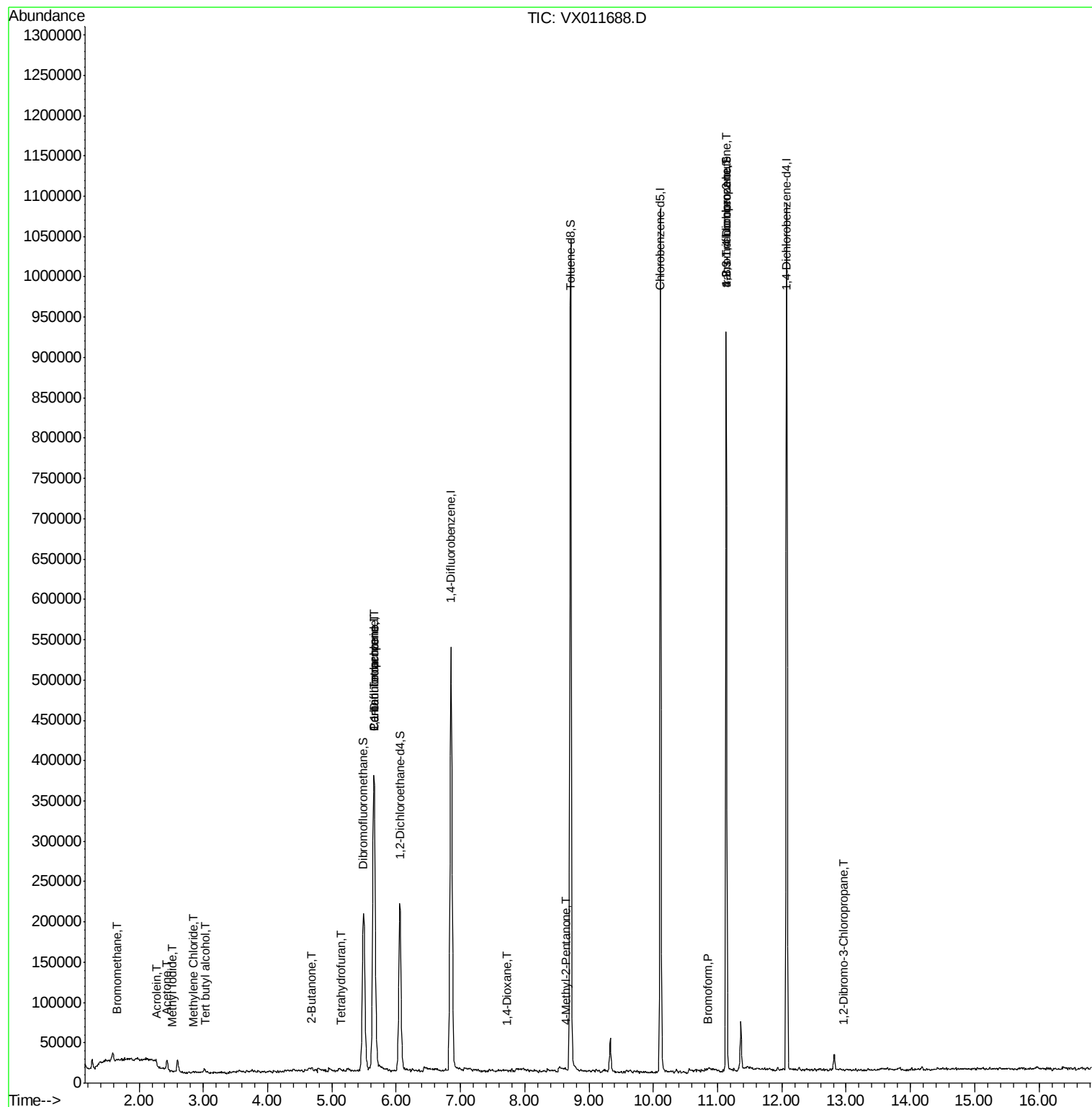
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	464	0.287	ug/l #	39
10) Methyl Iodide	2.51	142	1248	0.254	ug/l #	78
11) Tert butyl alcohol	3.03	59	3577	4.017	ug/l #	81
13) Acrolein	2.28	56	805	14.979	ug/l #	68
16) Acetone	2.43	43	14260	7.813	ug/l	93
20) Methylene Chloride	2.85	84	1245	0.325	ug/l #	78
25) 2-Butanone	4.69	43	1660	0.579	ug/l #	85
29) Tetrahydrofuran	5.15	42	1176	0.626	ug/l	96
36) 1,1-Dichloropropene	5.65	75	23288	4.895	ug/l #	52
38) Carbon Tetrachloride	5.65	117	34918	6.662	ug/l #	15
49) 1,4-Dioxane	7.73	88	116	1.031	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1313	0.235	ug/l #	87
71) Bromoform	10.85	173	155	3.328	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	106169	23.487	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	106169	62.403	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.96	75	261	0.214	ug/l	74

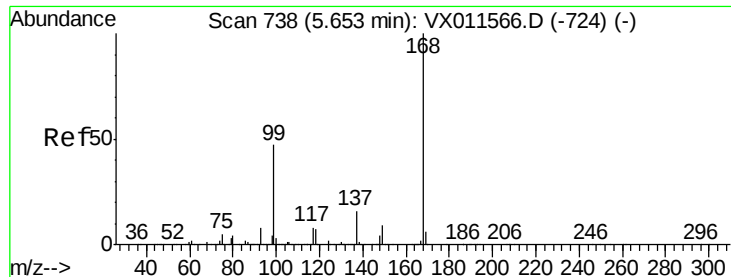
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011688.D

Acq: 20 Aug 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

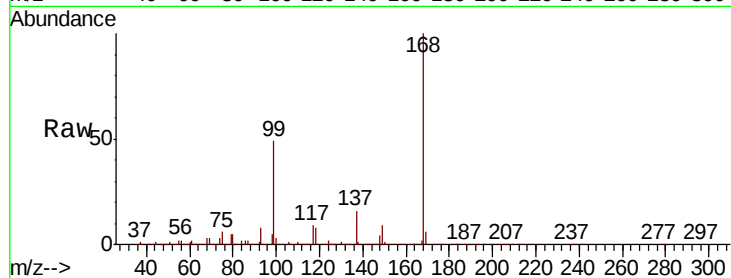
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Tgt Ion:168 Resp: 391424

Ion Ratio Lower Upper

168 100

99 49.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

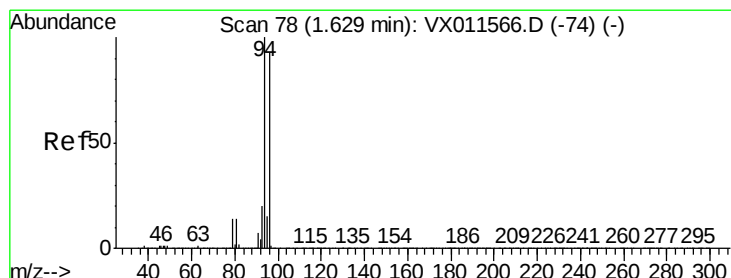
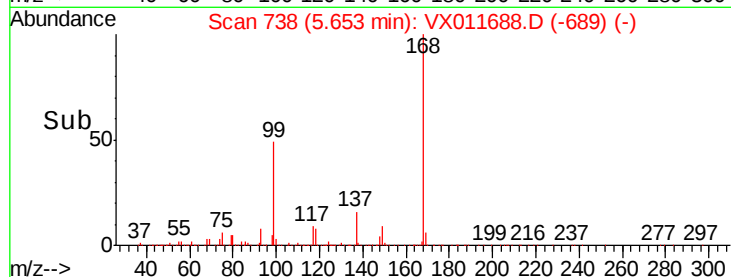
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.287 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011688.D

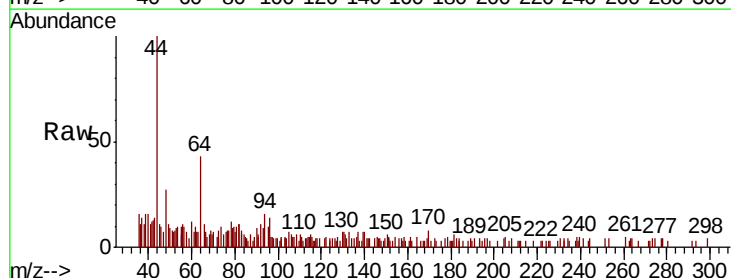
Acq: 20 Aug 2019 16:35

Tgt Ion: 94 Resp: 464

Ion Ratio Lower Upper

94 100

96 152.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

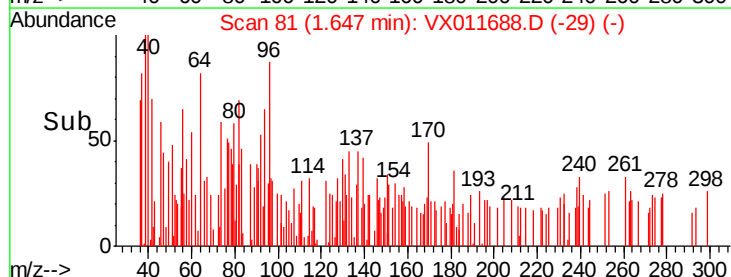
200

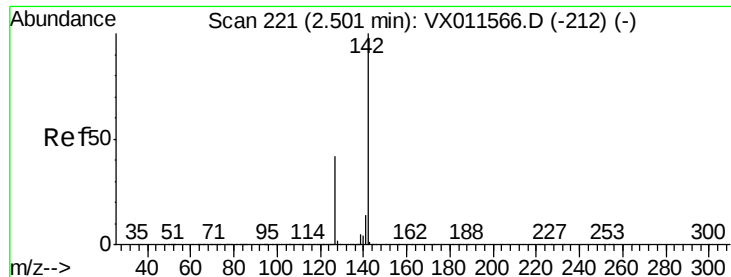
100

0

1.60 1.65

Time-->

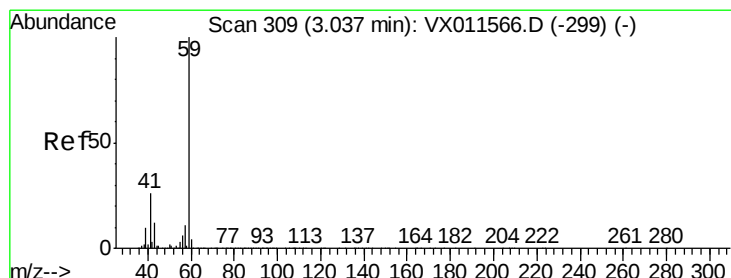
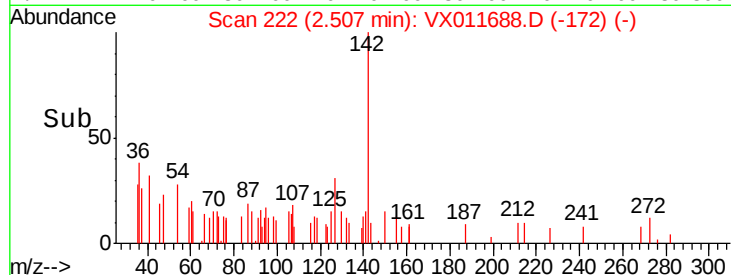
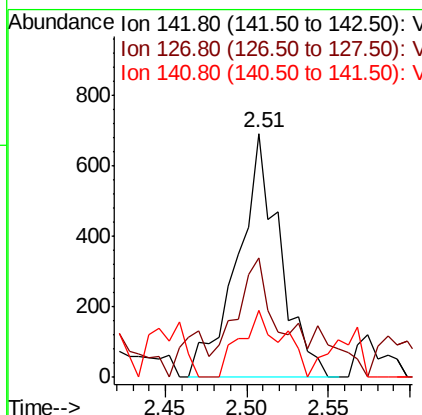
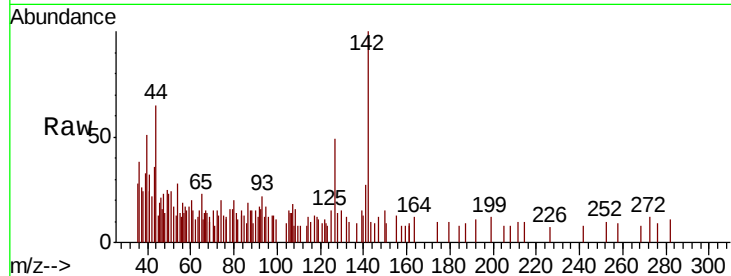




#10
Methyl Iodide
Concen: 0.254 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX011688.D
Acq: 20 Aug 2019 16:35

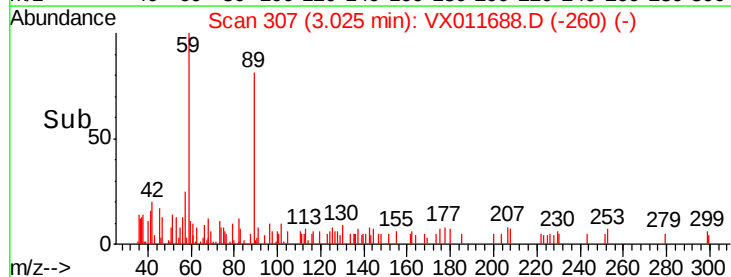
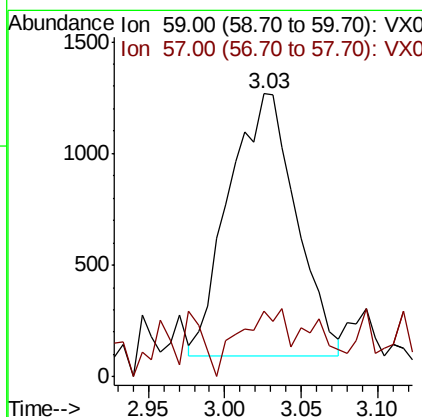
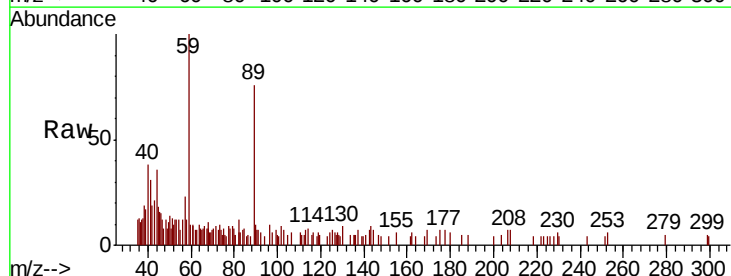
Instrument :
MSVOA_X
ClientSampleId :
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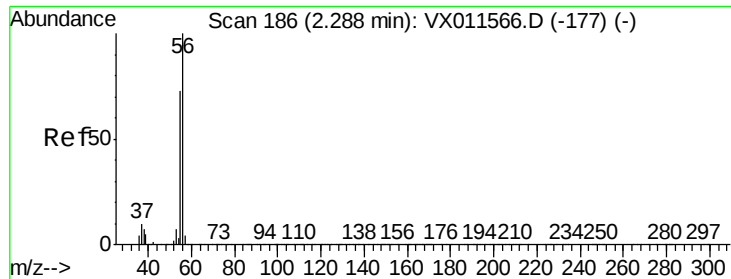
Tgt Ion:142 Resp: 1248
Ion Ratio Lower Upper
142 100
127 29.7 32.8 49.2#
141 27.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: 4.017 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX011688.D
Acq: 20 Aug 2019 16:35

Tgt Ion: 59 Resp: 3577
Ion Ratio Lower Upper
59 100
57 18.1 8.7 13.1#





#13

Acrolein

Concen: 14.979 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011688.D

Acq: 20 Aug 2019 16:35

Instrument :

MSVOA_X

ClientSampled :

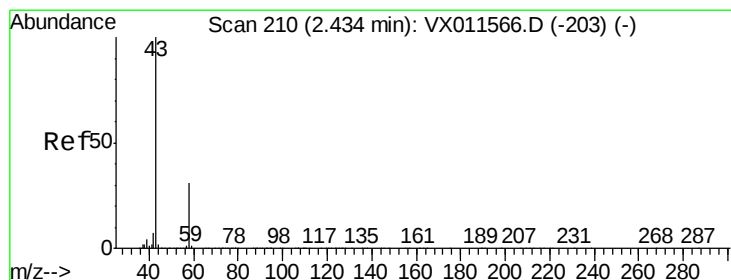
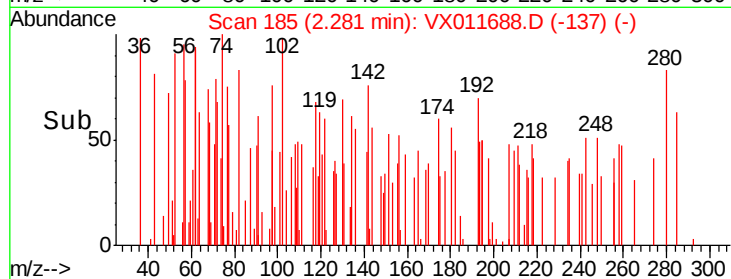
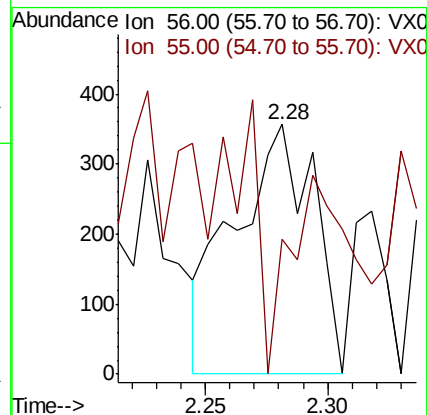
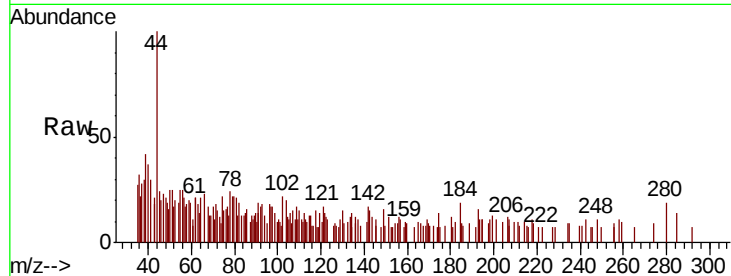
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Tgt Ion: 56 Resp: 805

Ion Ratio Lower Upper

56 100

55 43.6 55.5 83.3#



#16

Acetone

Concen: 7.813 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011688.D

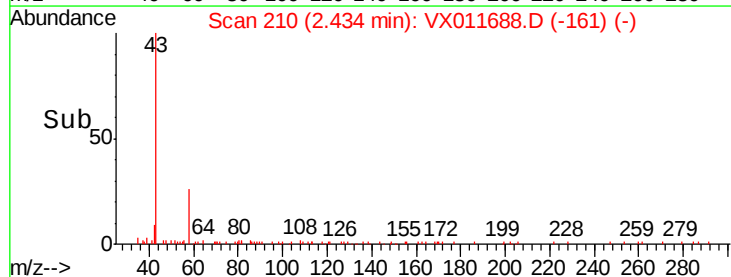
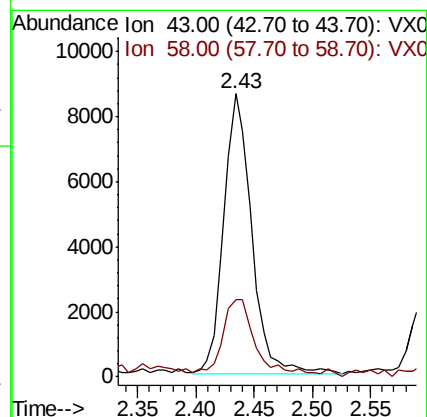
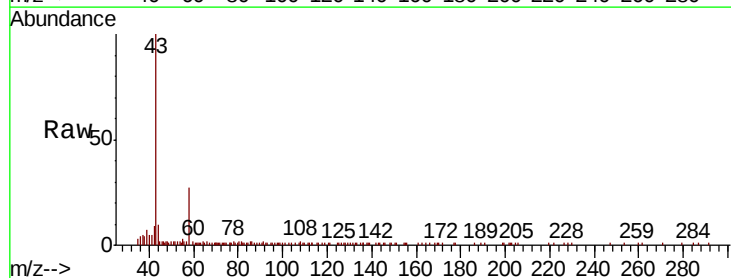
Acq: 20 Aug 2019 16:35

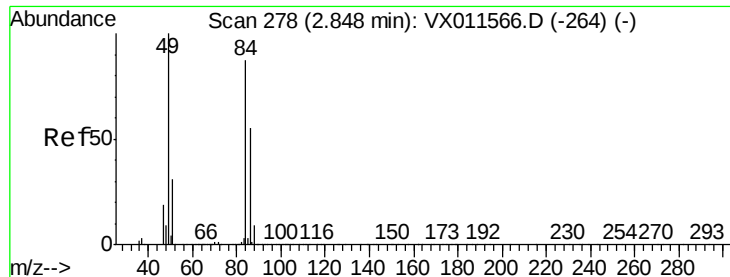
Tgt Ion: 43 Resp: 14260

Ion Ratio Lower Upper

43 100

58 27.7 25.2 37.8

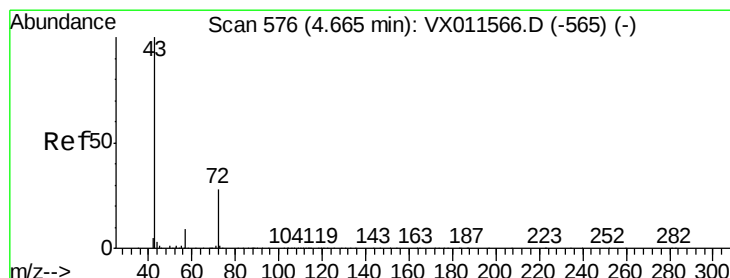
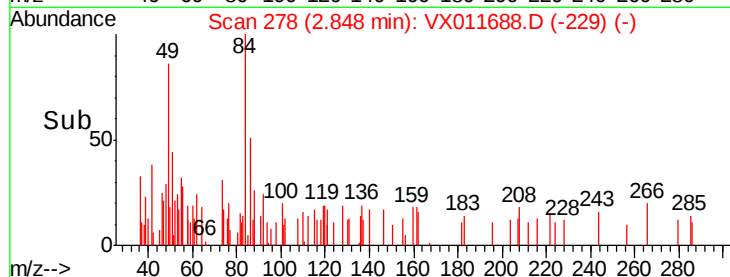
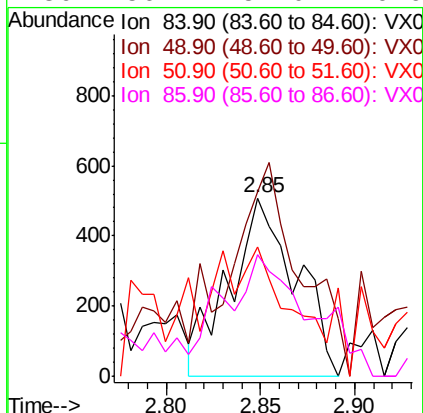
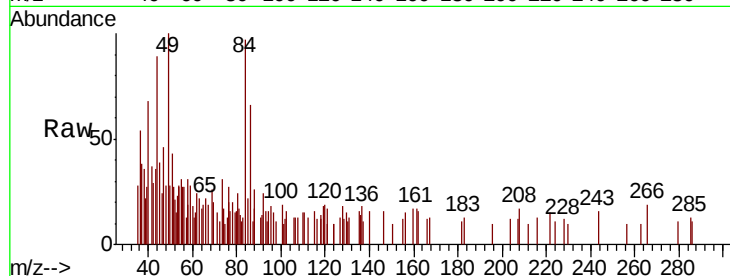




#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011688.D
Acq: 20 Aug 2019 16:35

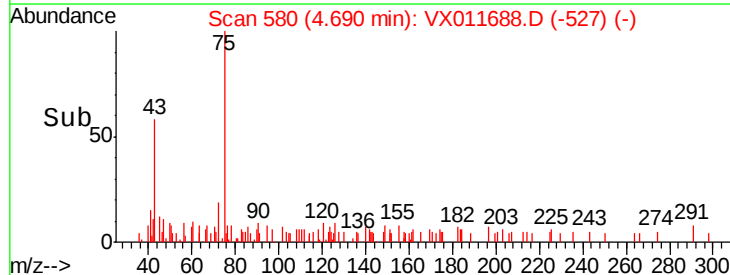
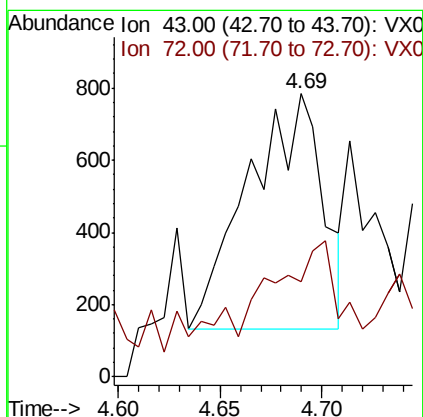
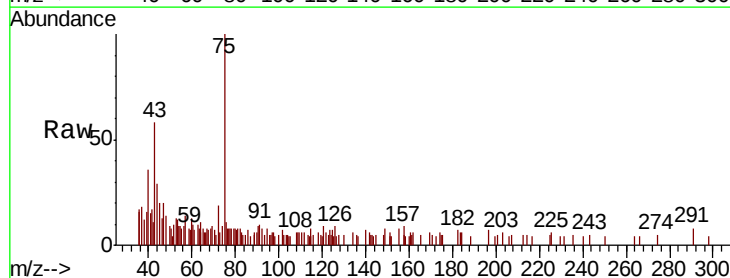
Instrument :
MSVOA_X
ClientSampled :
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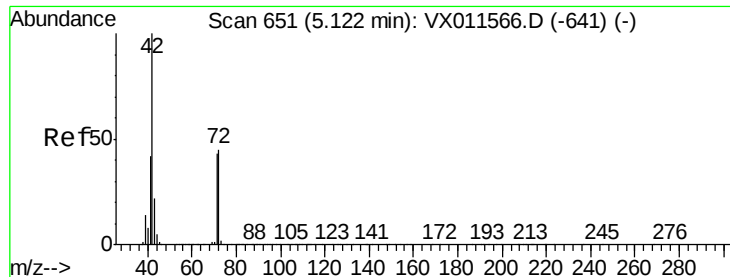
Tgt Ion:	84	Resp:	1245
Ion	Ratio	Lower	Upper
84	100		
49	84.3	92.4	138.6#
51	22.8	28.5	42.7#
86	56.1	51.0	76.6



#25
2-Butanone
Concen: 0.579 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX011688.D
Acq: 20 Aug 2019 16:35

Tgt Ion:	43	Resp:	1660
Ion	Ratio	Lower	Upper
43	100		
72	35.7	22.2	33.4#





#29

Tetrahydrofuran

Concen: 0.626 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.03 min

Lab File: VX011688.D

Acq: 20 Aug 2019 16:35

Instrument :

MSVOA_X

ClientSampled :

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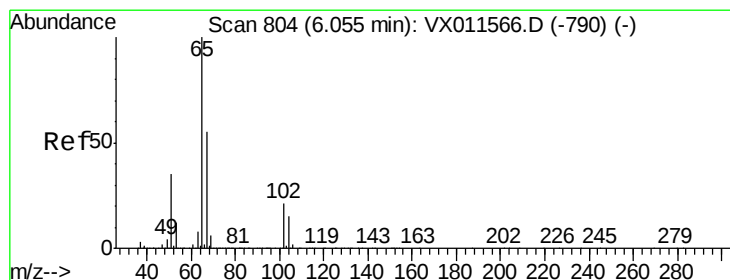
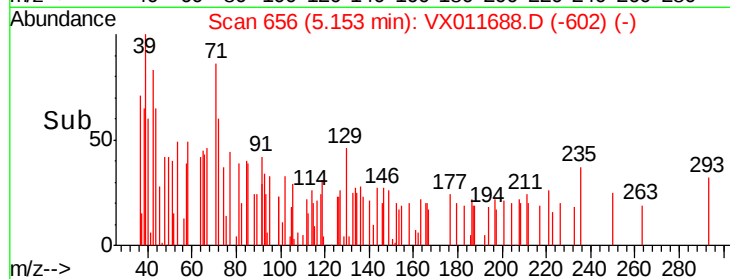
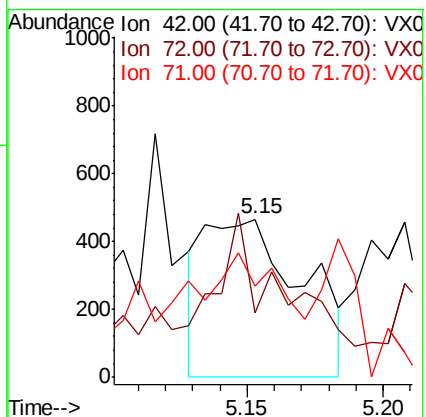
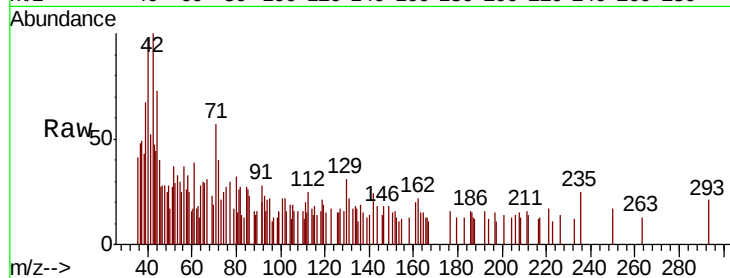
Tgt Ion: 42 Resp: 1176

Ion Ratio Lower Upper

42 100

72 47.4 36.1 54.1

71 45.2 33.8 50.8



#33

1,2-Dichloroethane-d4

Concen: 55.848 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011688.D

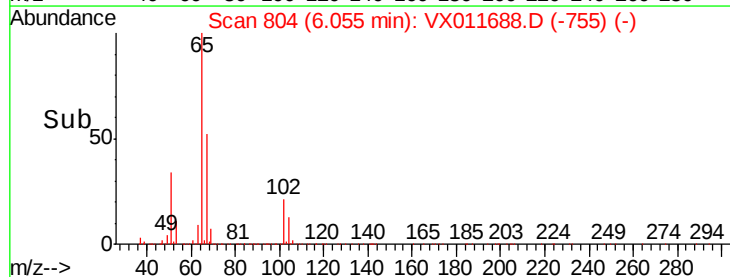
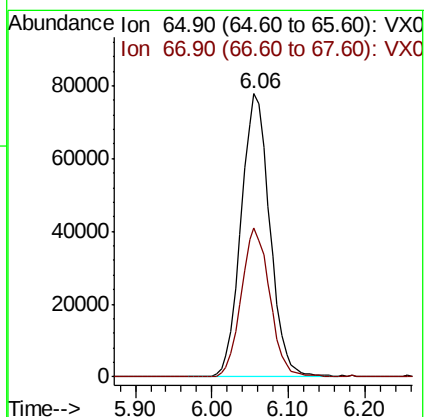
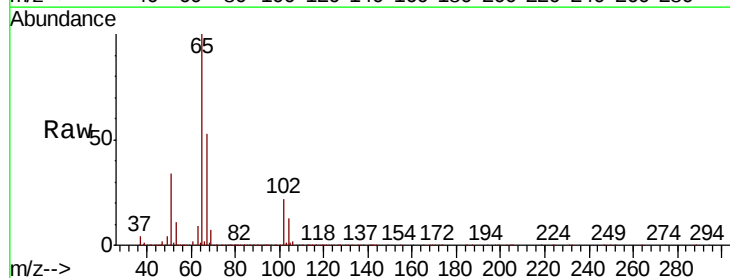
Acq: 20 Aug 2019 16:35

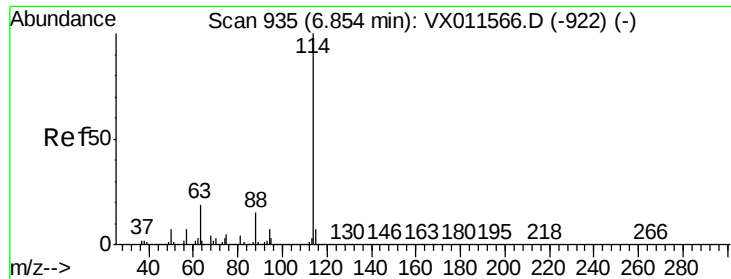
Tgt Ion: 65 Resp: 202724

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011688.D

Acq: 20 Aug 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

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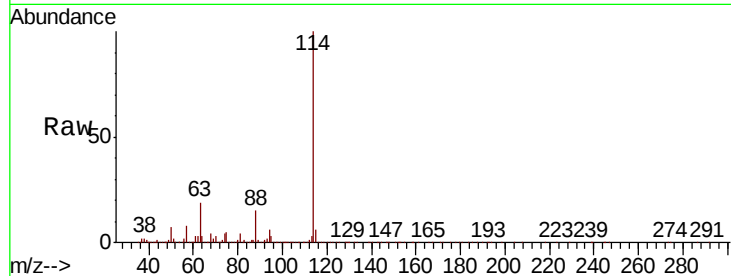
Tgt Ion:114 Resp: 556459

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.8

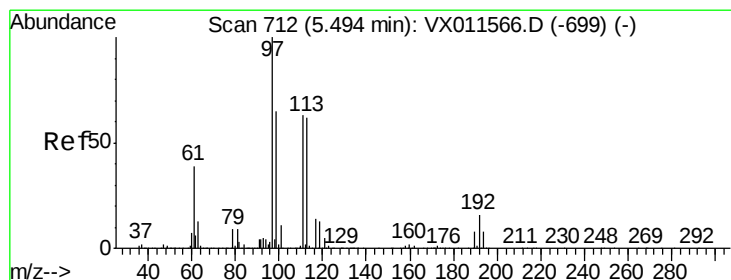
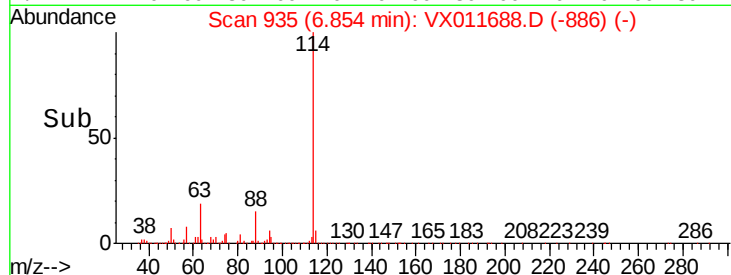
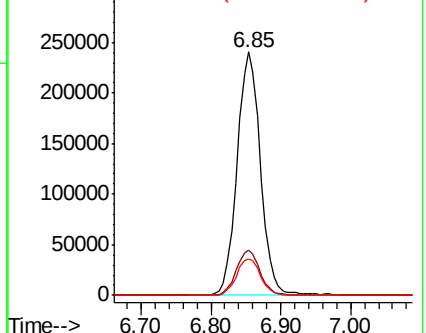
88 15.1 0.0 30.2



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: 45.118 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011688.D

Acq: 20 Aug 2019 16:35

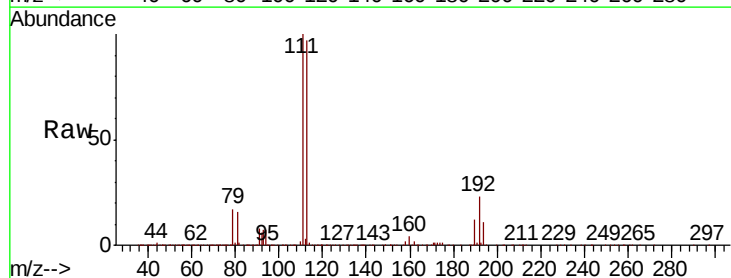
Tgt Ion:113 Resp: 164211

Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

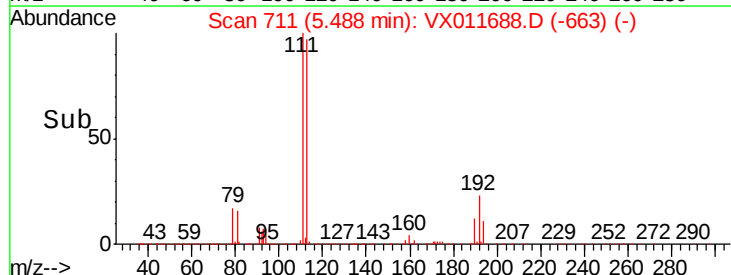
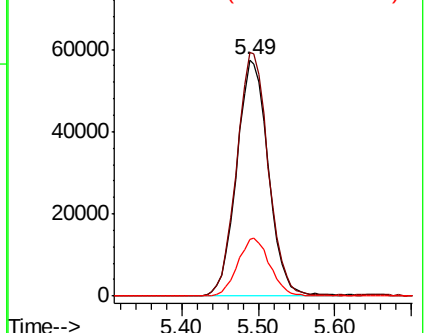
192 25.0 20.8 31.2

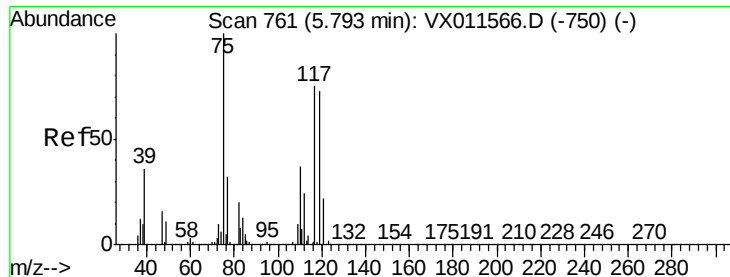


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.895 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011688.D

Acq: 20 Aug 2019 16:35

Instrument :

MSVOA_X

ClientSampled :

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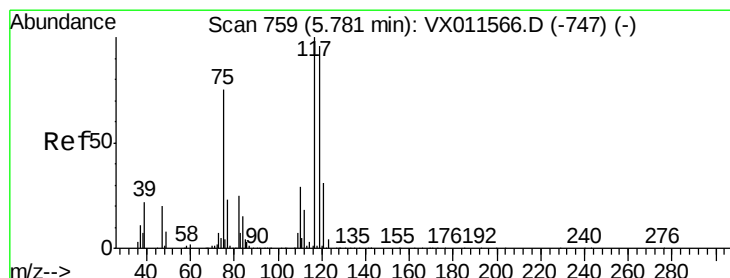
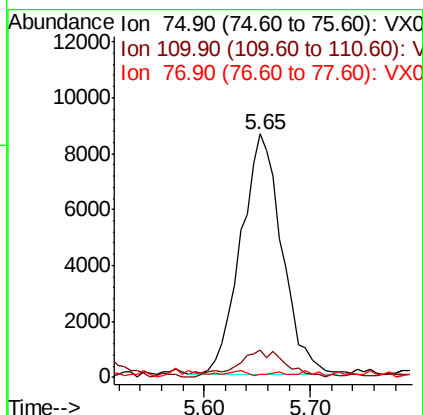
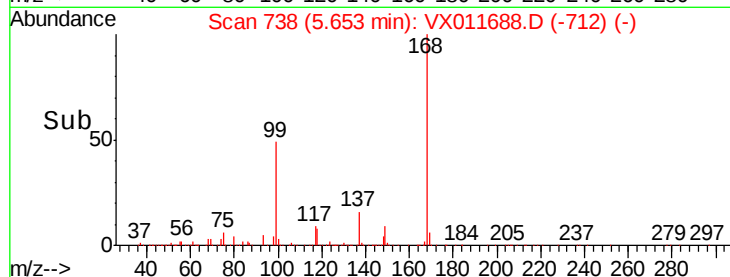
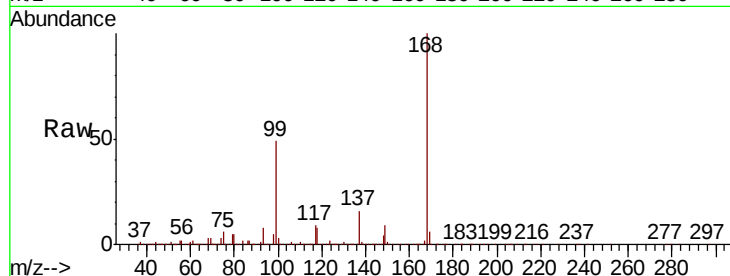
Tgt Ion: 75 Resp: 23288

Ion Ratio Lower Upper

75 100

110 12.8 19.4 58.1#

77 0.6 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.662 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011688.D

Acq: 20 Aug 2019 16:35

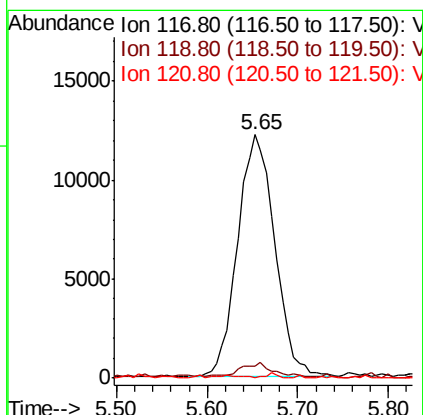
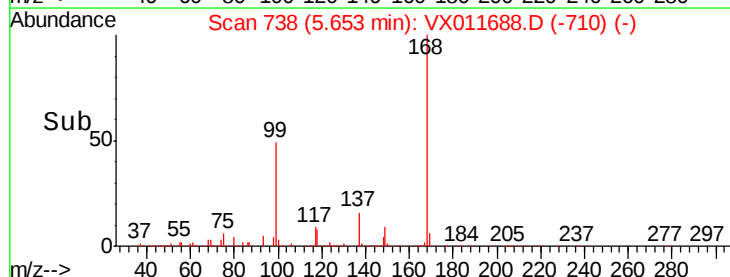
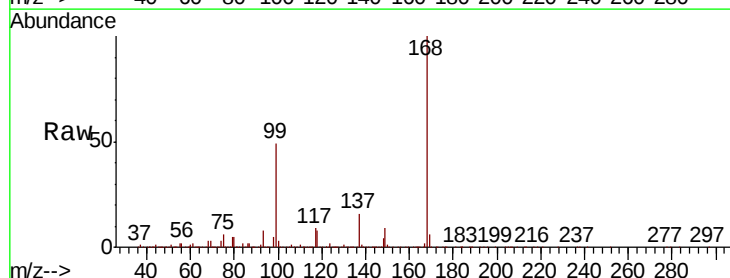
Tgt Ion: 117 Resp: 34918

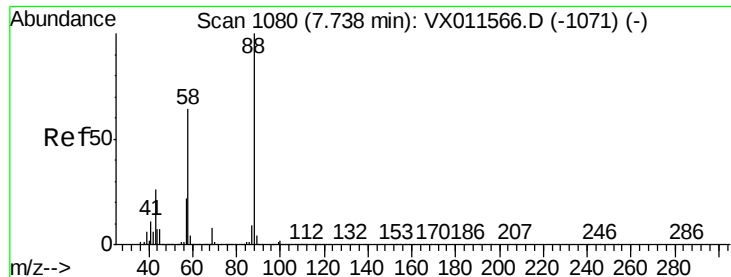
Ion Ratio Lower Upper

117 100

119 4.2 76.9 115.3#

121 0.0 24.8 37.2#

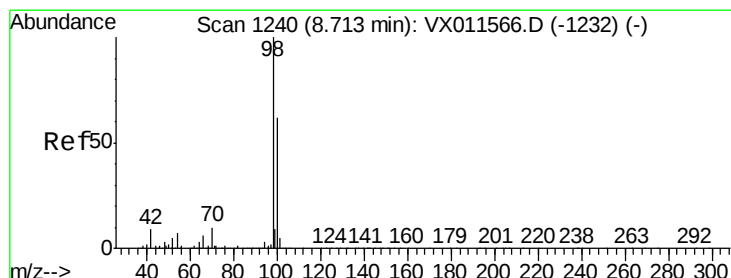
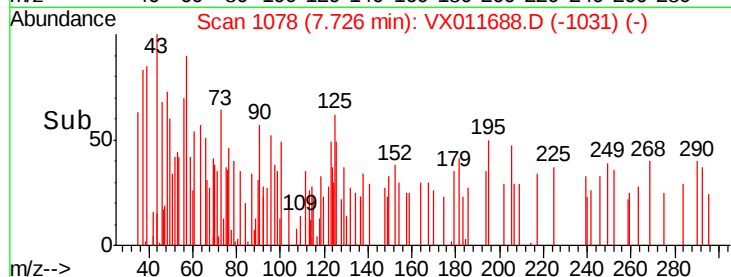
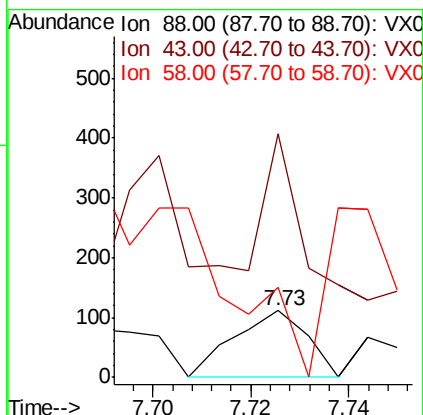
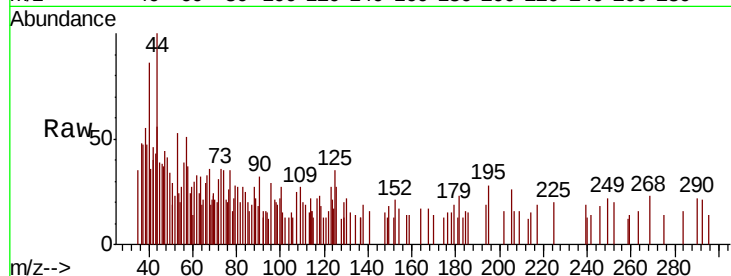




#49
1,4-Dioxane
Concen: 1.031 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX011688.D
Acq: 20 Aug 2019 16:35

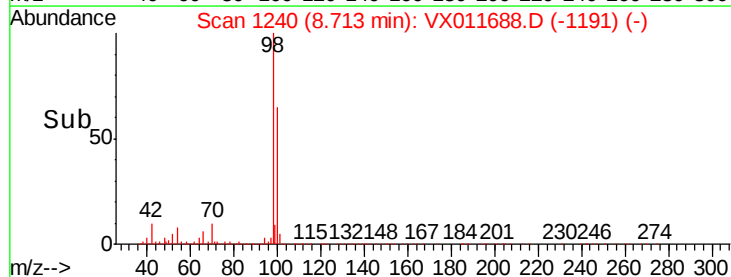
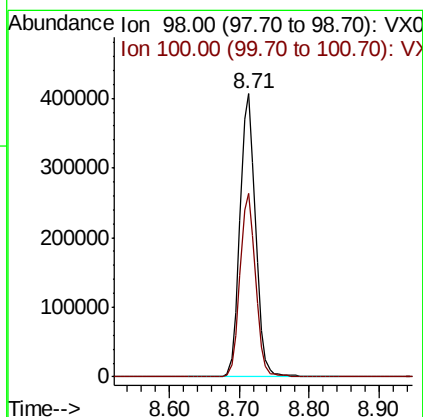
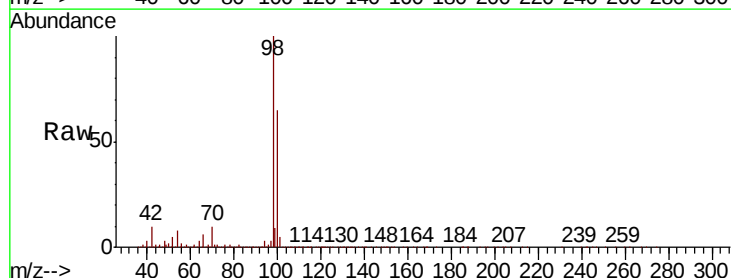
Instrument :
MSVOA_X
ClientSampleId :
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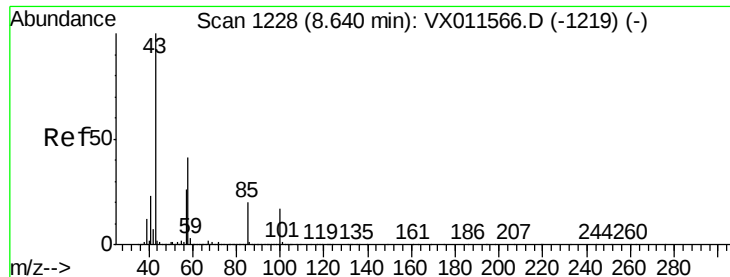
Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 275.9 23.4 35.0#
58 256.0 54.3 81.5#



#50
Toluene-d8
Concen: 55.659 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011688.D
Acq: 20 Aug 2019 16:35

Tgt Ion: 98 Resp: 631206
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6

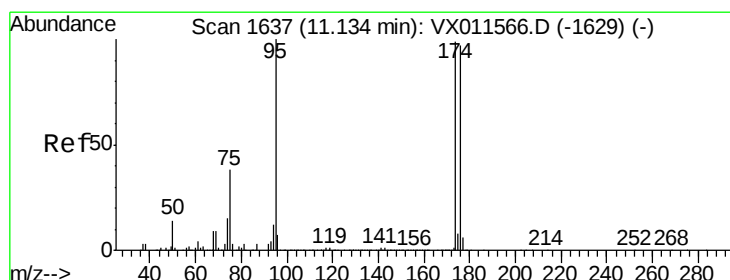
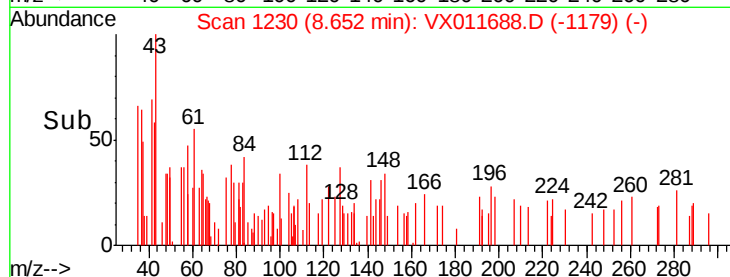
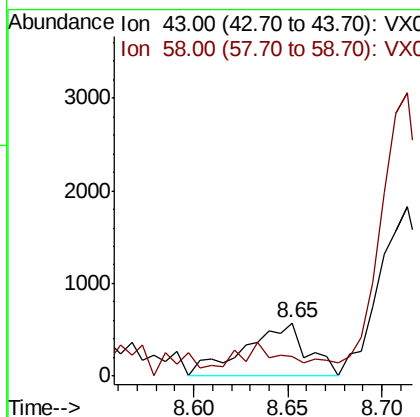
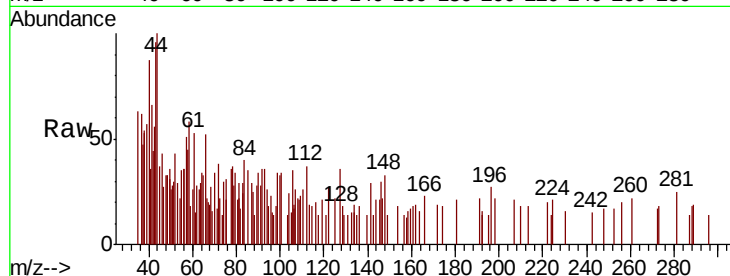




#51
 4-Methyl-2-Pentanone
 Concen: 0.235 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VX011688.D
 Acq: 20 Aug 2019 16:35

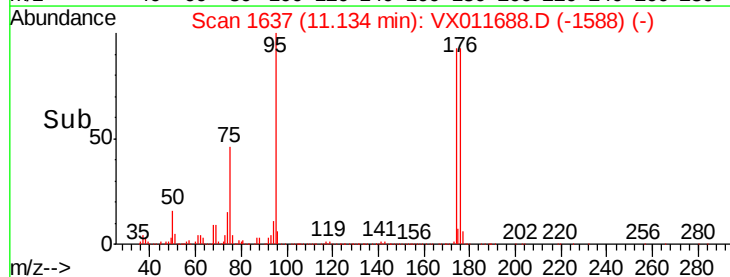
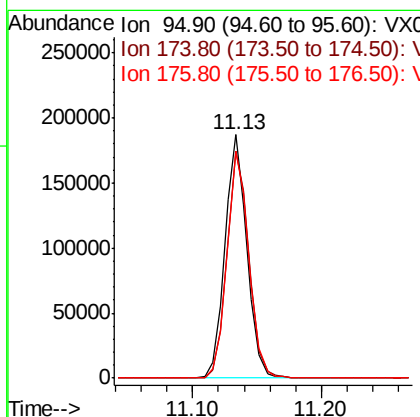
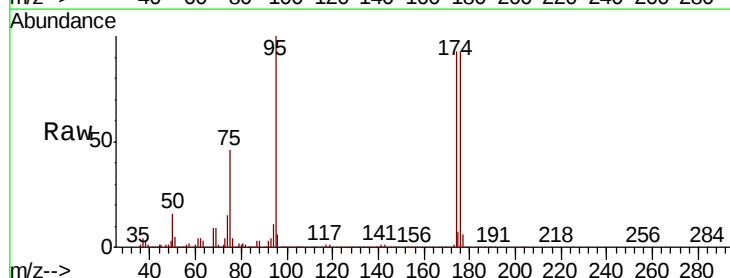
Instrument :
 MSVOA_X
 ClientSampleId :
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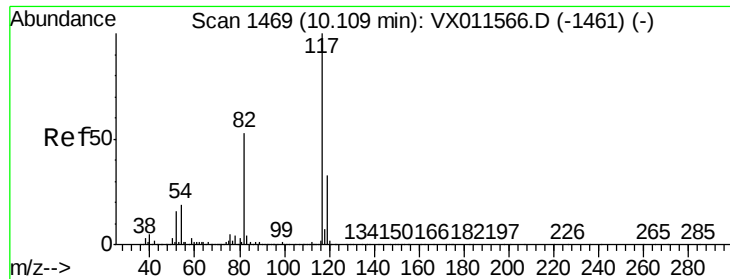
Tgt Ion: 43 Resp: 1313
 Ion Ratio Lower Upper
 43 100
 58 31.5 31.8 47.6#



#62
 4-Bromofluorobenzene
 Concen: 46.836 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX011688.D
 Acq: 20 Aug 2019 16:35

Tgt Ion: 95 Resp: 224188
 Ion Ratio Lower Upper
 95 100
 174 93.8 0.0 200.6
 176 93.1 0.0 196.6

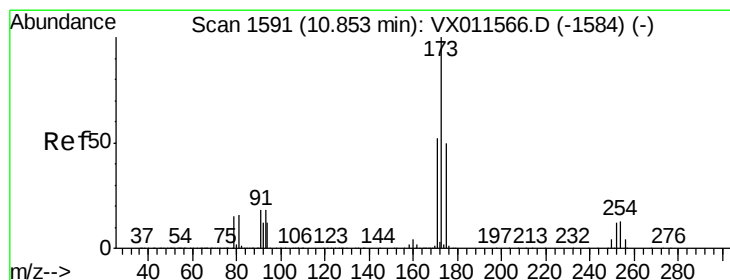
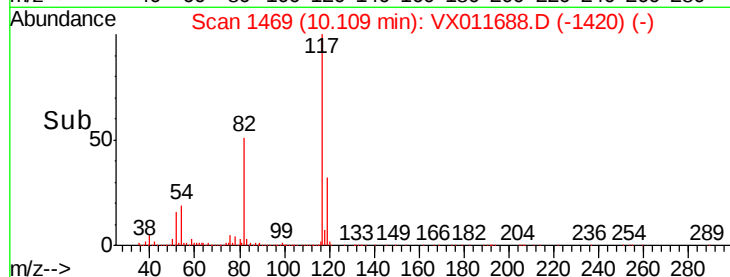
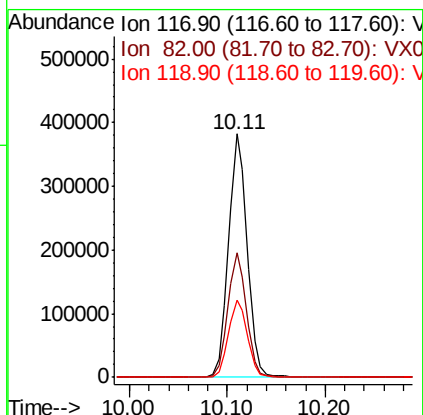
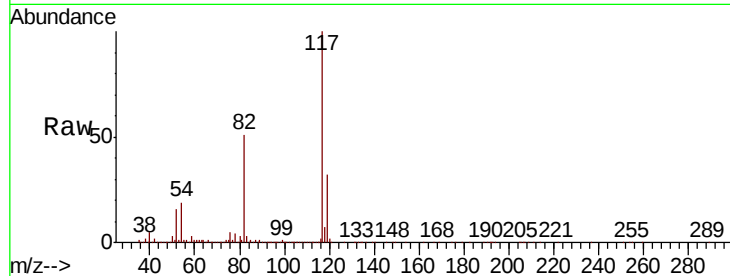




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011688.D
Acq: 20 Aug 2019 16:35

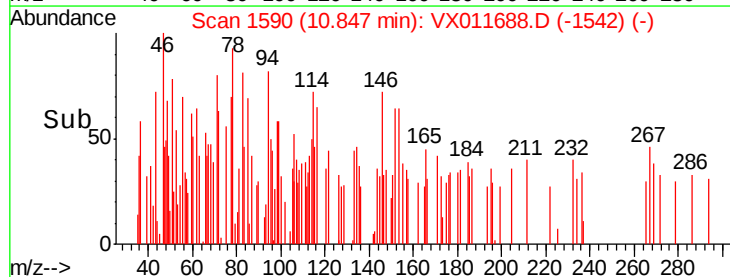
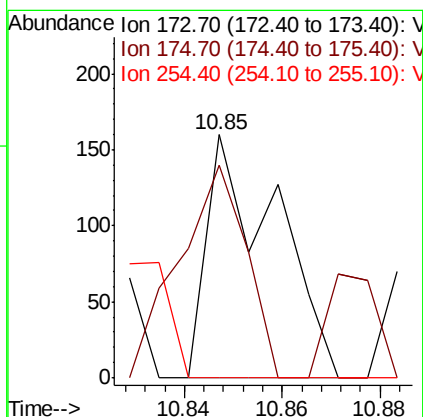
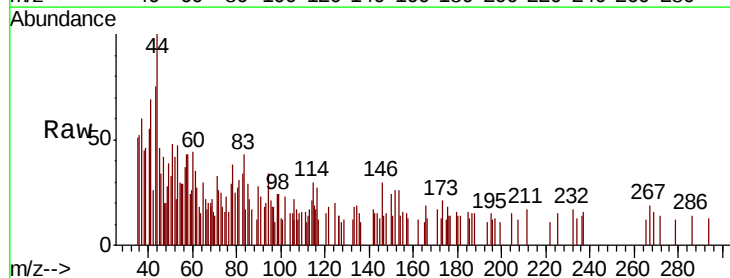
Instrument :
MSVOA_X
ClientSampled :
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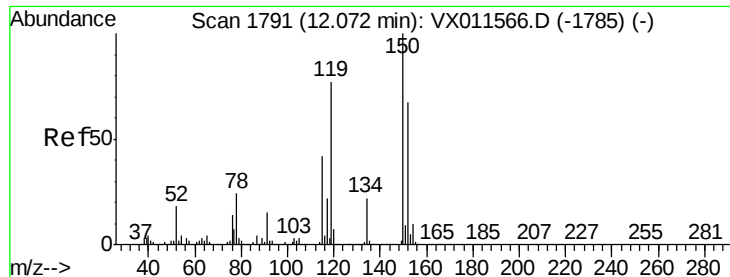
Tgt Ion:117 Resp: 506320
Ion Ratio Lower Upper
117 100
82 51.4 42.0 63.0
119 31.7 26.5 39.7



#71
Bromoform
Concen: 3.328 ug/l
RT: 10.85 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VX011688.D
Acq: 20 Aug 2019 16:35

Tgt Ion:173 Resp: 155
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 35.5 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011688.D

Acq: 20 Aug 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

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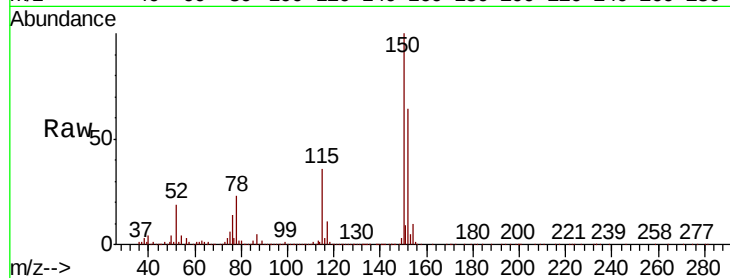
Tgt Ion: 152 Resp: 238381

Ion Ratio Lower Upper

152 100

115 53.4 37.3 111.9

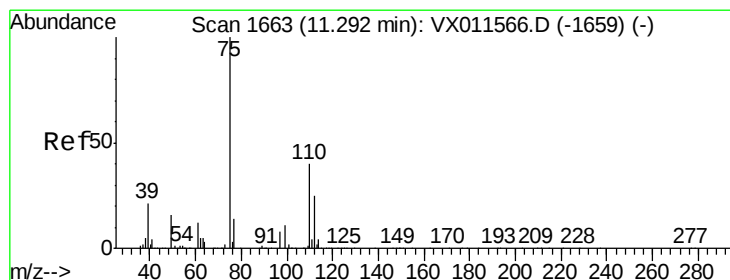
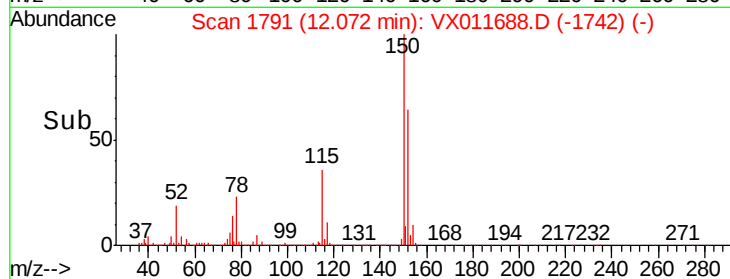
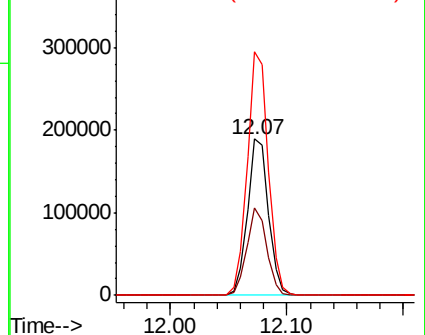
150 155.7 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.487 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011688.D

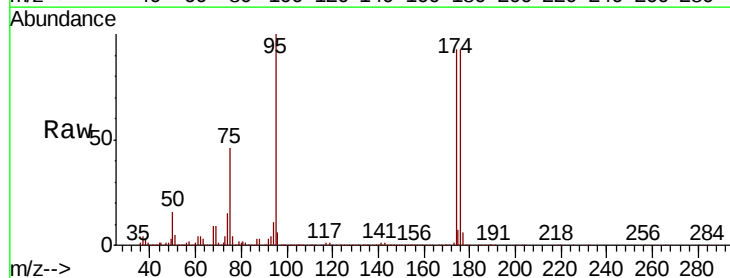
Acq: 20 Aug 2019 16:35

Tgt Ion: 75 Resp: 106169

Ion Ratio Lower Upper

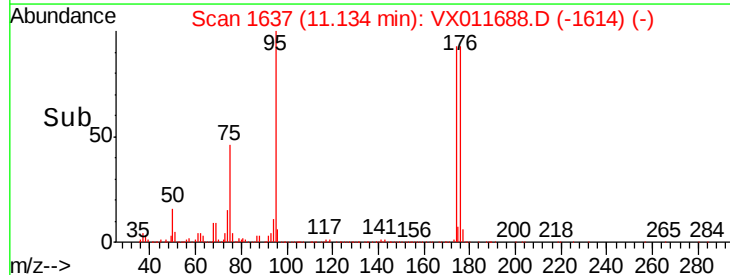
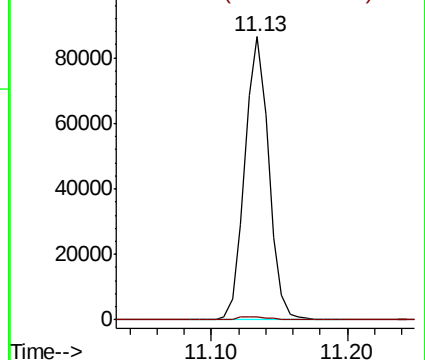
75 100

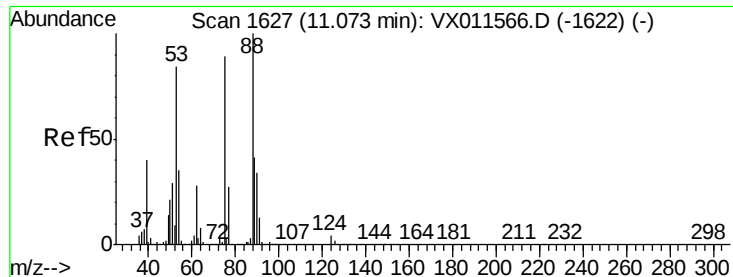
77 1.5 20.9 62.8#



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: 62.403 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011688.D

Acq: 20 Aug 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

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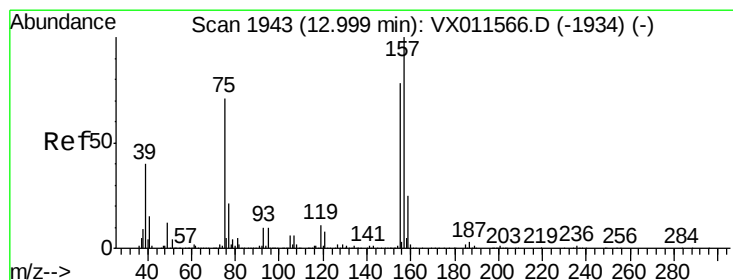
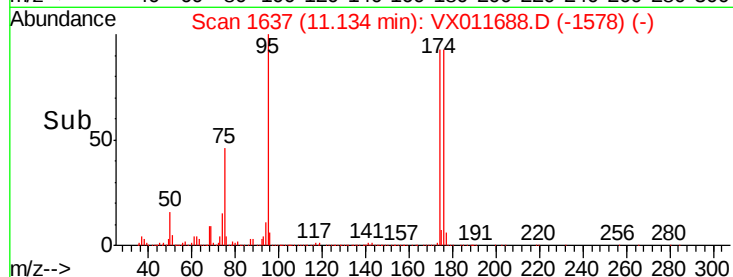
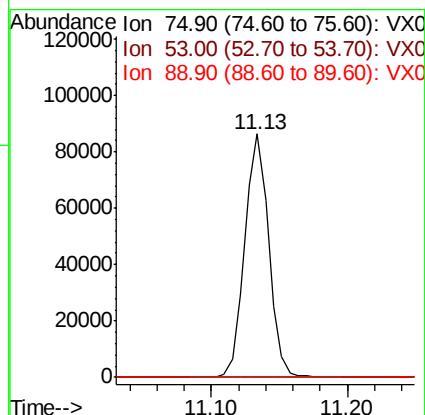
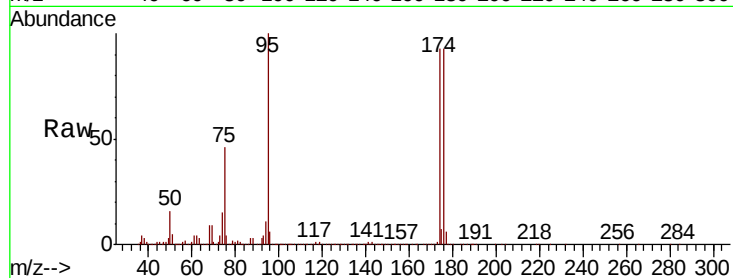
Tgt Ion: 75 Resp: 106169

Ion Ratio Lower Upper

75 100

53 0.4 77.4 116.0#

89 0.2 37.3 55.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.214 ug/l

RT: 12.96 min Scan# 1937

Delta R.T. -0.04 min

Lab File: VX011688.D

Acq: 20 Aug 2019 16:35

Tgt Ion: 75 Resp: 261

Ion Ratio Lower Upper

75 100

155 89.3 53.0 159.0

157 96.6 68.3 205.1

