

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103018\
 Data File : VX005688.D
 Acq On : 30 Oct 2018 13:41
 Operator : JC/MD
 Sample : J5691-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-11-WS

Quant Time: Oct 30 15:56:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	376720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	155580	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	5.50	113	129010	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
50) Toluene-d8	8.72	98	434572	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
62) 4-Bromofluorobenzene	11.14	95	143918	41.58	ug/l	0.00
Spiked Amount			Recovery	=	83.16%	

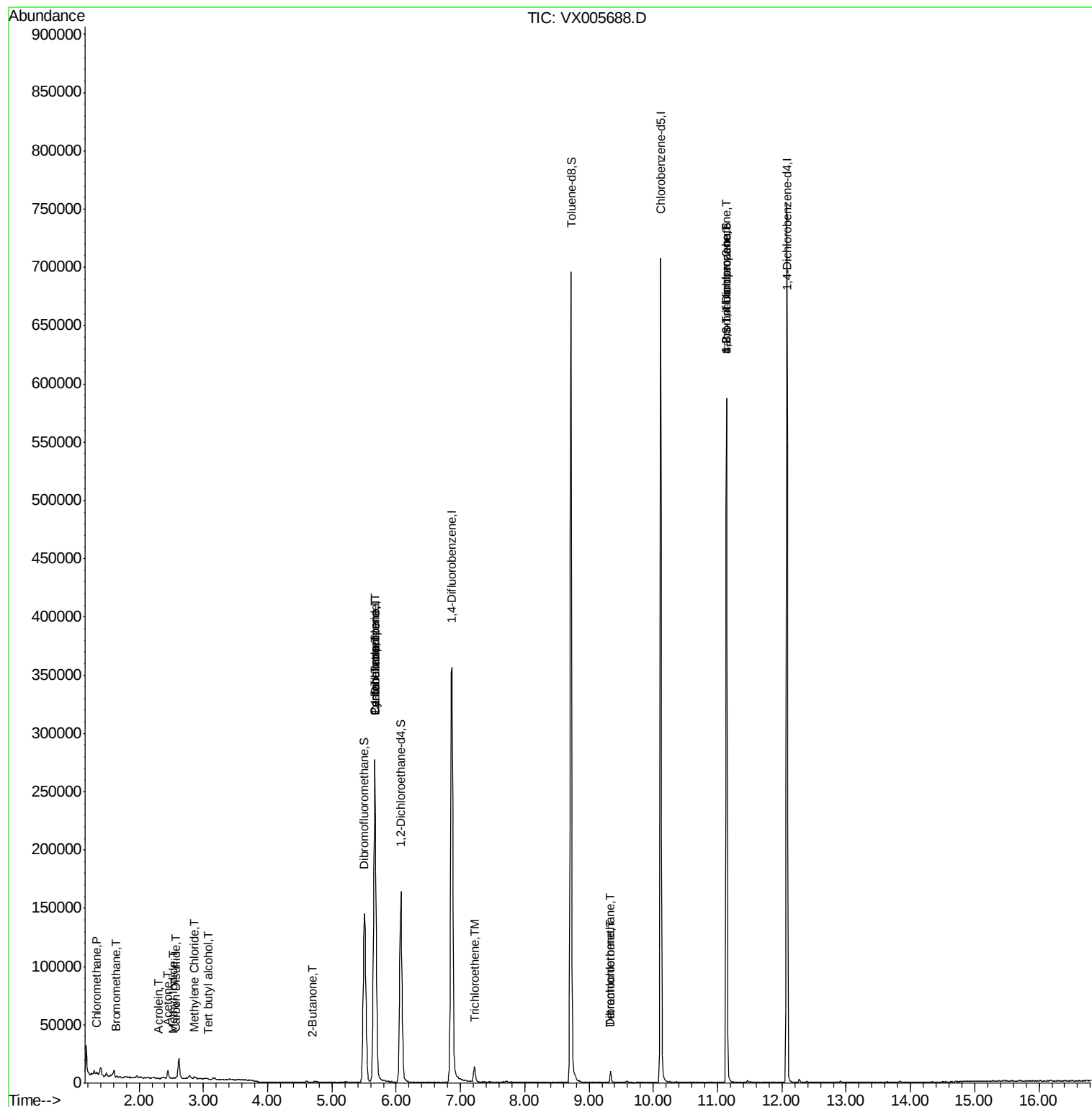
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	746	0.23	ug/l #	86
5) Bromomethane	1.65	94	603	0.30	ug/l #	62
10) Methyl Iodide	2.53	142	414	2.87	ug/l #	85
11) Tert butyl alcohol	3.07	59	338	0.39	ug/l #	72
13) Acrolein	2.30	56	158	0.36	ug/l #	76
16) Acetone	2.45	43	7622	4.49	ug/l	98
17) Carbon Disulfide	2.57	76	1682	0.22	ug/l #	92
18) Methyl Acetate	2.78	43	3645	Below Cal	#	90
20) Methylene Chloride	2.86	84	666	0.23	ug/l #	71
25) 2-Butanone	4.71	43	1211	0.47	ug/l	93
31) Cyclohexane	5.67	56	4848	1.12	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18100	4.95	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23182	6.02	ug/l #	15
44) Trichloroethene	7.21	130	5129	1.80	ug/l	98
60) Dibromochloromethane	9.34	129	1638	0.58	ug/l #	10
64) Tetrachloroethene	9.34	164	1939	0.71	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	72031	21.60	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	72031	70.56	ug/l #	9

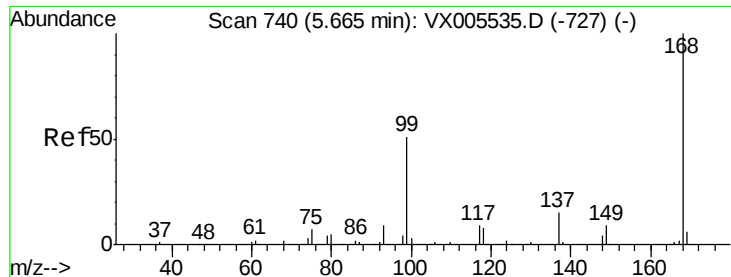
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

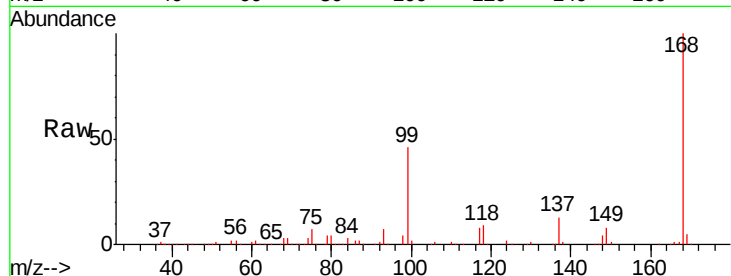
SB-11-WS

Tgt Ion:168 Resp: 263273

Ion Ratio Lower Upper

168 100

99 45.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

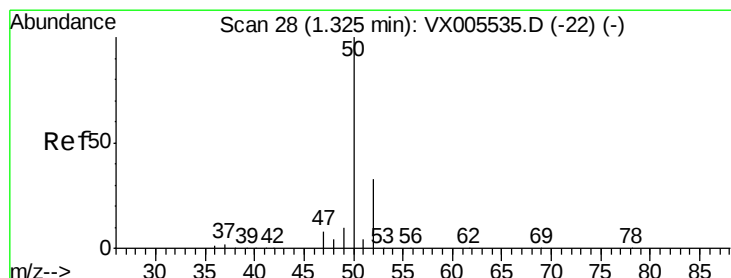
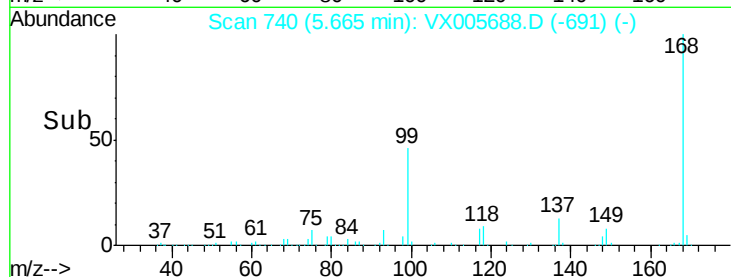
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005688.D

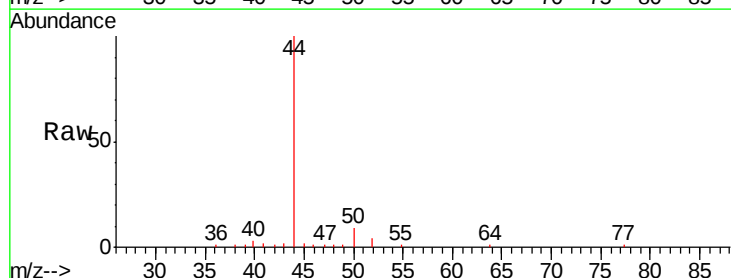
Acq: 30 Oct 2018 13:41

Tgt Ion: 50 Resp: 746

Ion Ratio Lower Upper

50 100

52 40.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

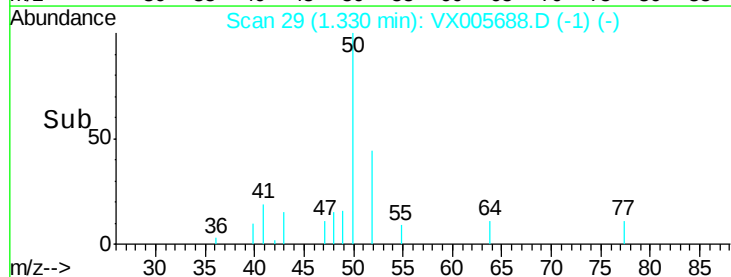
600

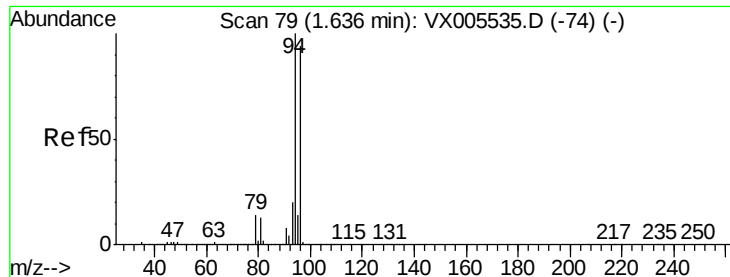
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.30 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

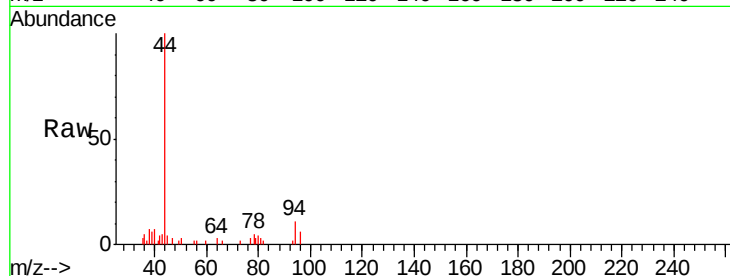
SB-11-WS

Tgt Ion: 94 Resp: 603

Ion Ratio Lower Upper

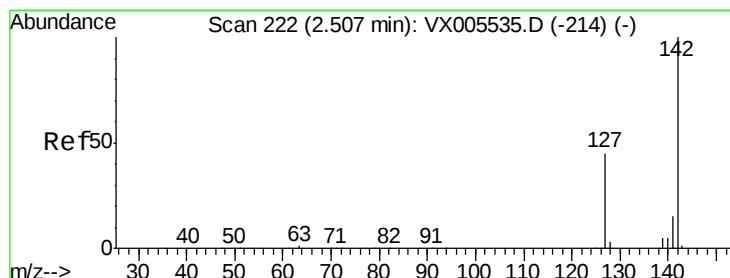
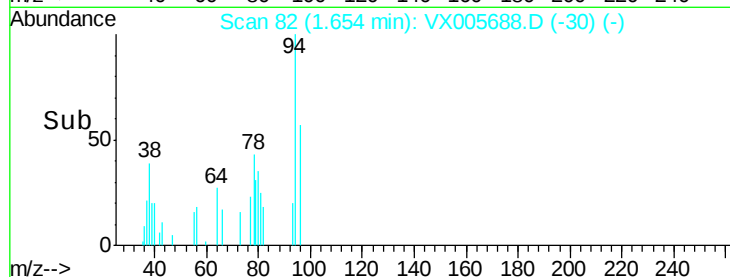
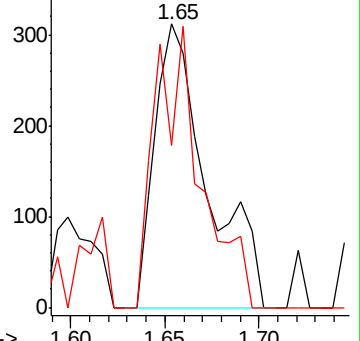
94 100

96 57.4 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 2.87 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

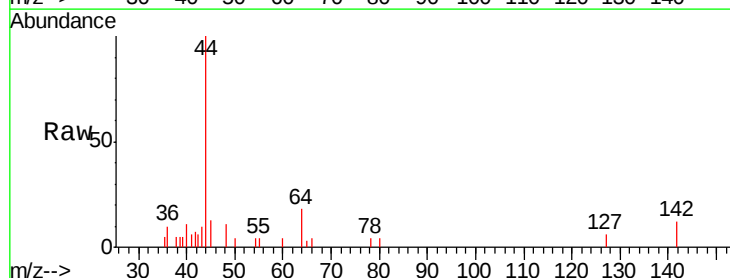
Tgt Ion: 142 Resp: 414

Ion Ratio Lower Upper

142 100

127 39.4 36.0 54.0

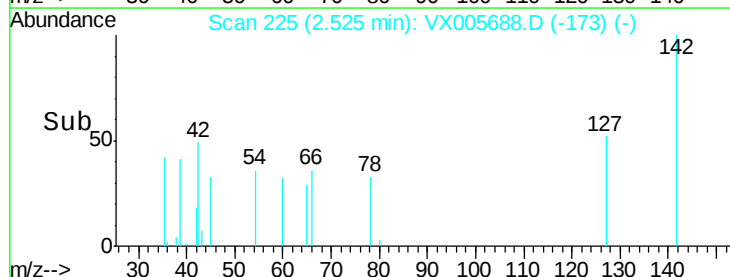
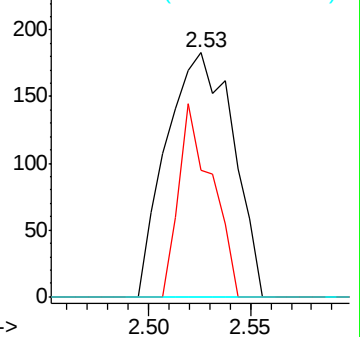
141 0.0 11.7 17.5#

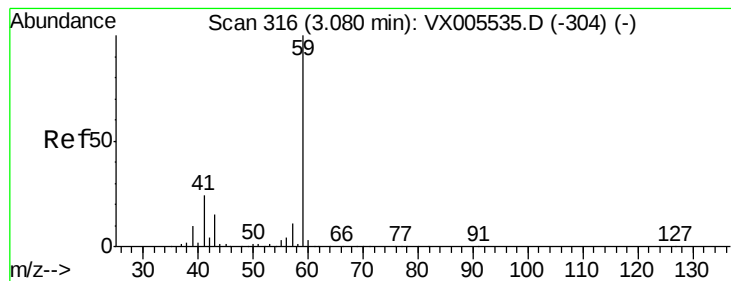


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.39 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampled :

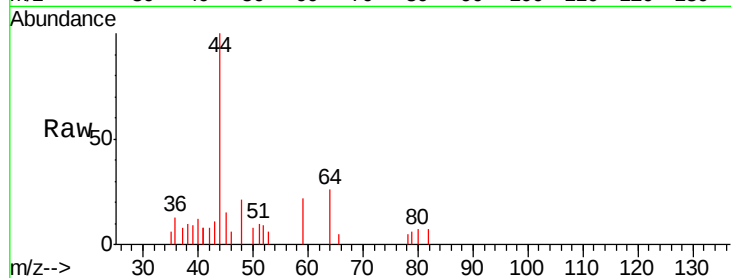
SB-11-WS

Tgt Ion: 59 Resp: 338

Ion Ratio Lower Upper

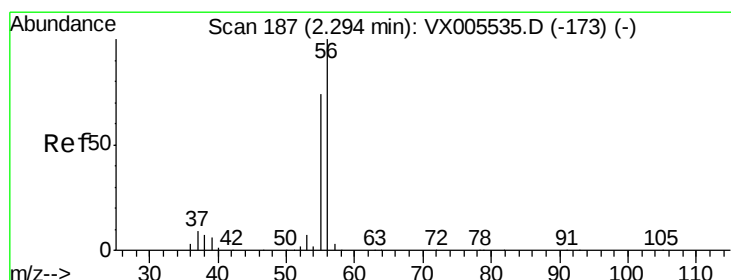
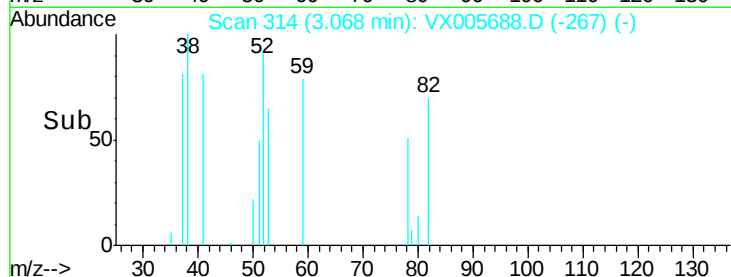
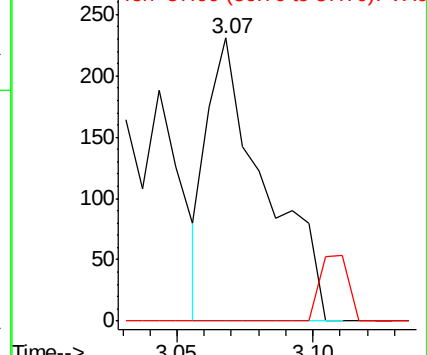
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.36 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005688.D

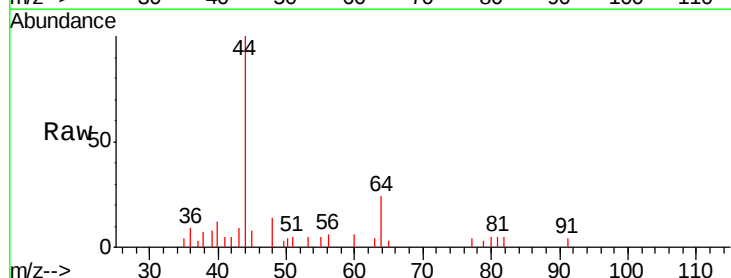
Acq: 30 Oct 2018 13:41

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

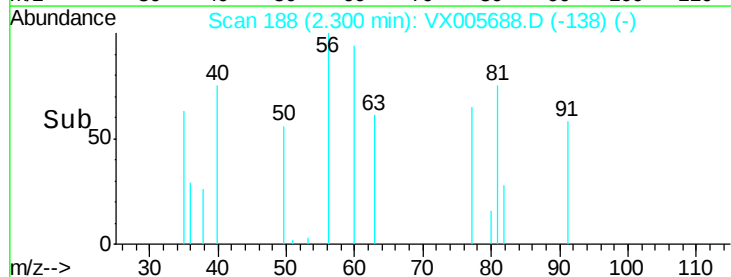
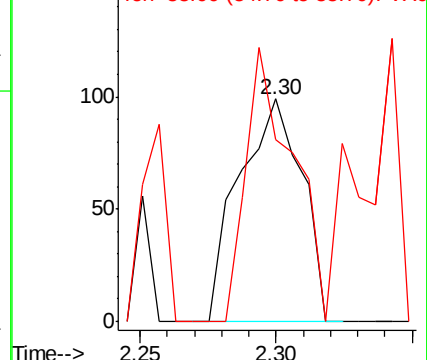
56 100

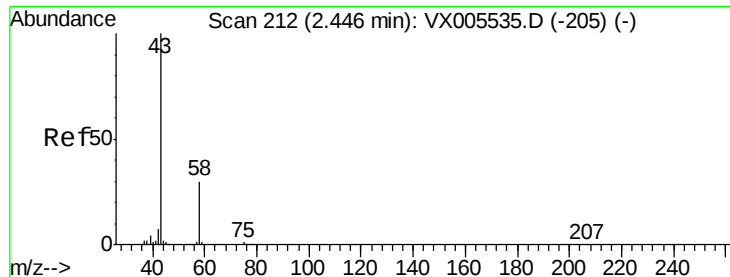
55 91.8 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 4.49 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

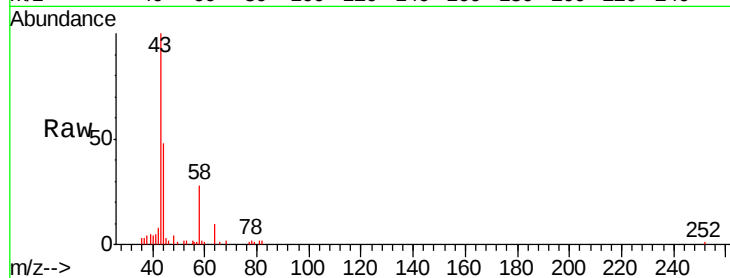
SB-11-WS

Tgt Ion: 43 Resp: 7622

Ion Ratio Lower Upper

43 100

58 28.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

5000

4000

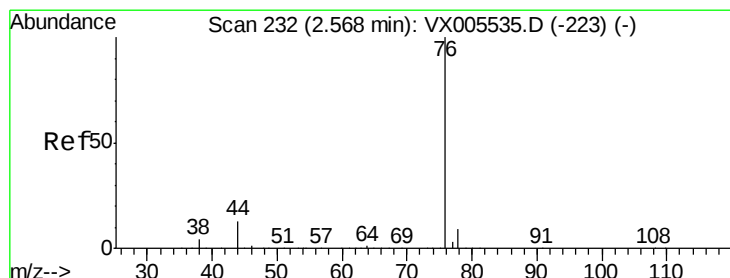
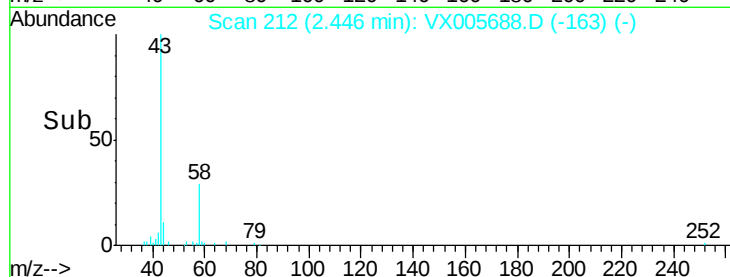
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005688.D

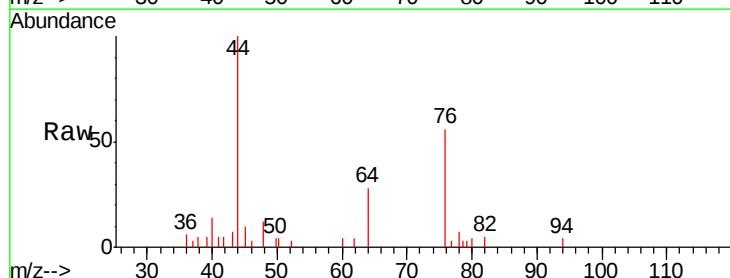
Acq: 30 Oct 2018 13:41

Tgt Ion: 76 Resp: 1682

Ion Ratio Lower Upper

76 100

78 6.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1000

800

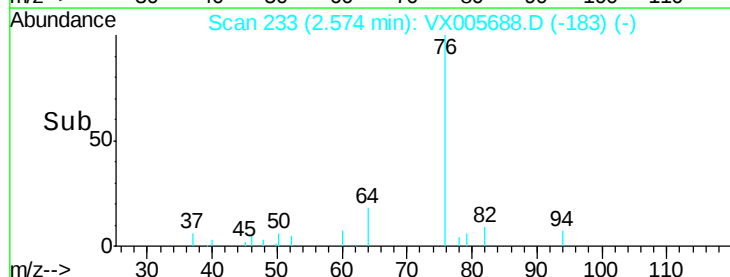
600

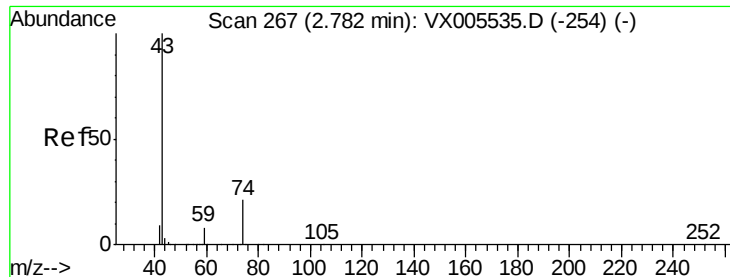
400

200

0

Time--> 2.50 2.55 2.60 2.65

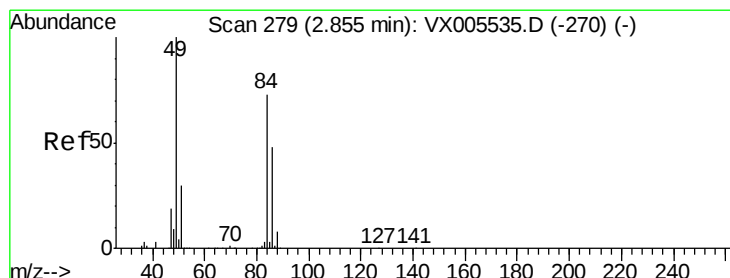
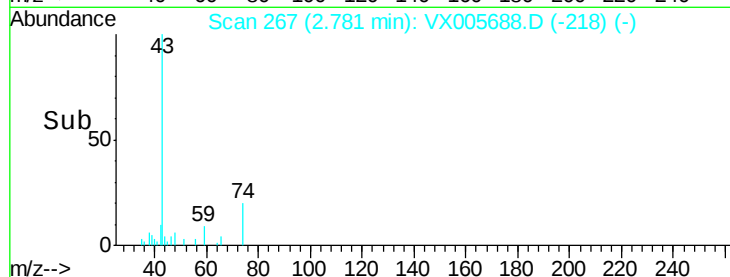
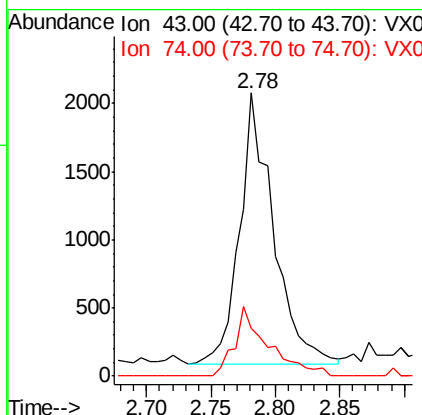
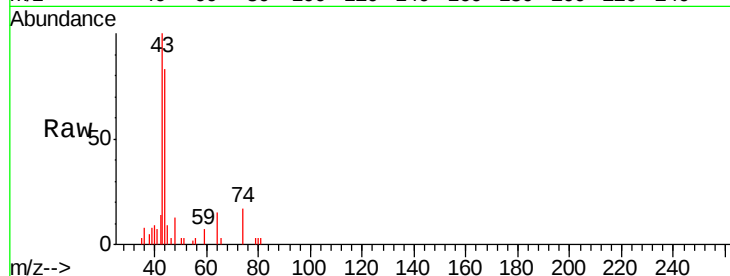




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005688.D
Acq: 30 Oct 2018 13:41

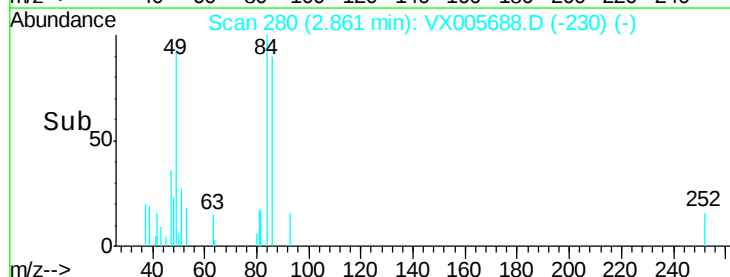
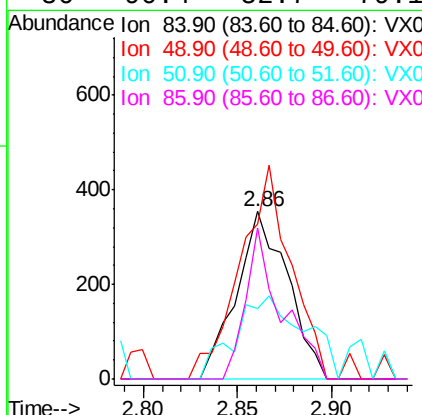
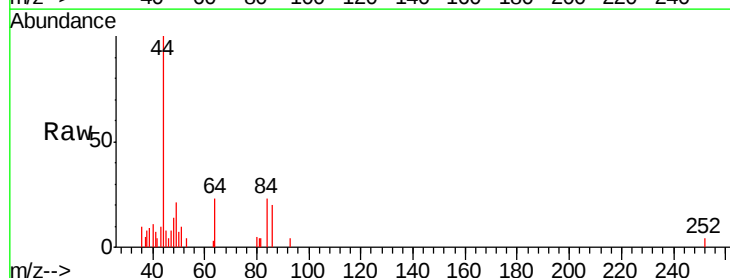
Instrument :
MSVOA_X
ClientSampleId :
SB-11-WS

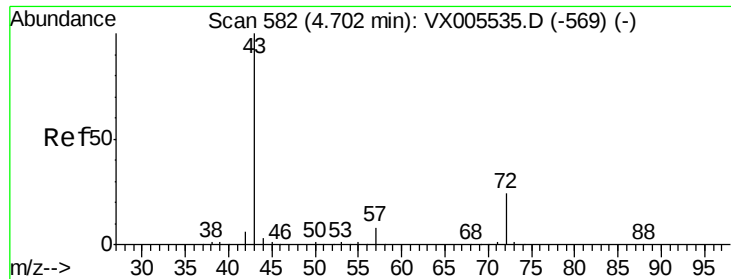
Tgt Ion: 43 Resp: 3645
Ion Ratio Lower Upper
43 100
74 25.5 16.8 25.2#



#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005688.D
Acq: 30 Oct 2018 13:41

Tgt Ion: 84 Resp: 666
Ion Ratio Lower Upper
84 100
49 92.7 109.5 164.3#
51 42.4 33.3 49.9
86 90.4 52.7 79.1#





#25

2-Butanone

Concen: 0.47 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

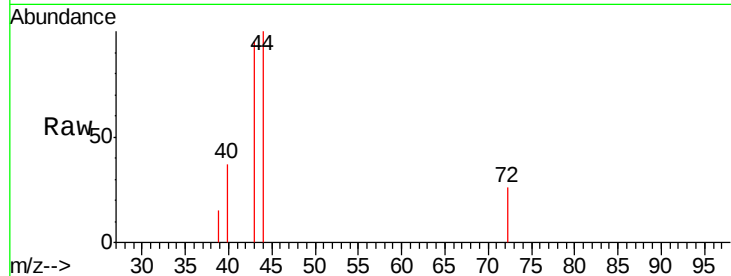
SB-11-WS

Tgt Ion: 43 Resp: 1211

Ion Ratio Lower Upper

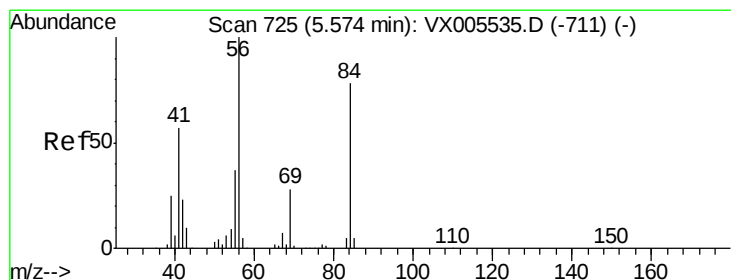
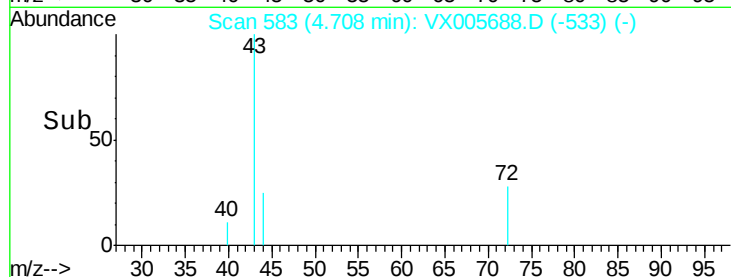
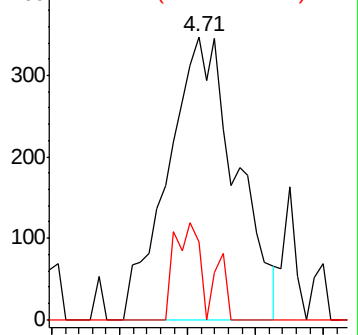
43 100

72 27.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.12 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

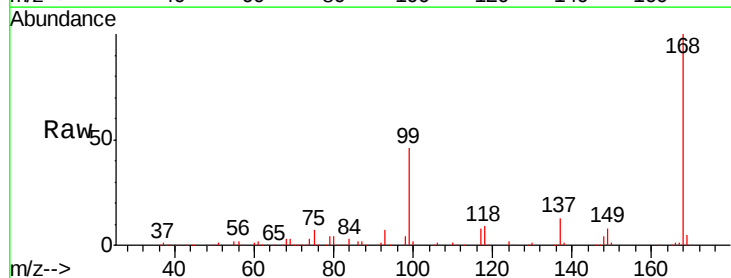
Tgt Ion: 56 Resp: 4848

Ion Ratio Lower Upper

56 100

69 197.9 22.6 34.0#

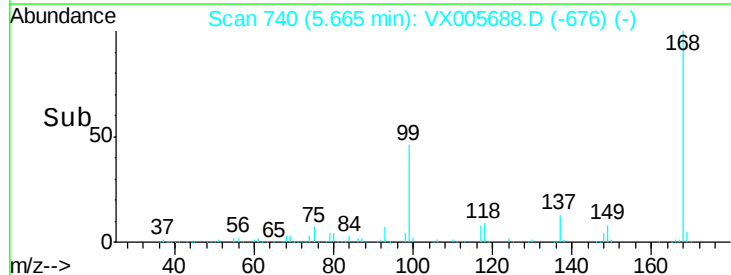
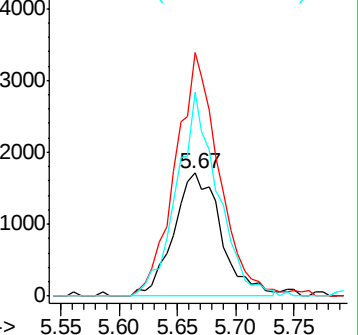
84 165.2 62.7 94.1#

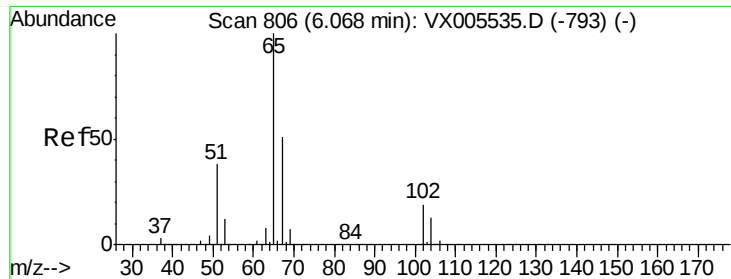


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.41 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

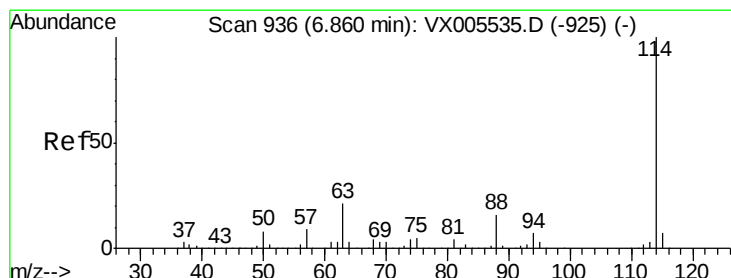
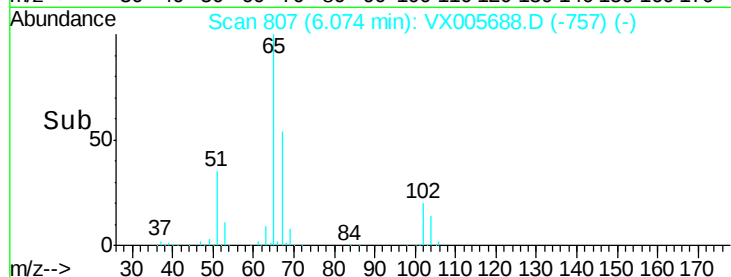
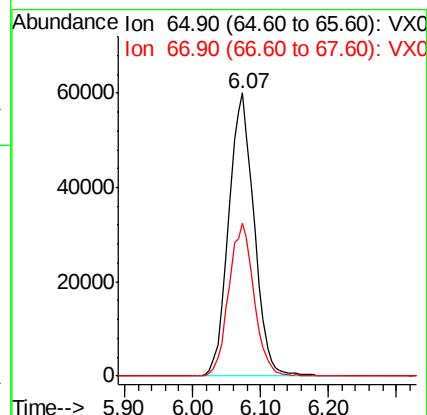
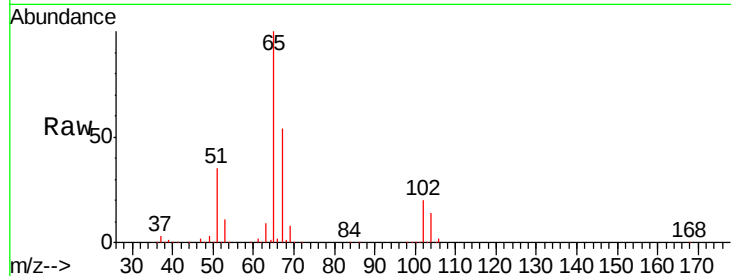
SB-11-WS

Tgt Ion: 65 Resp: 155580

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

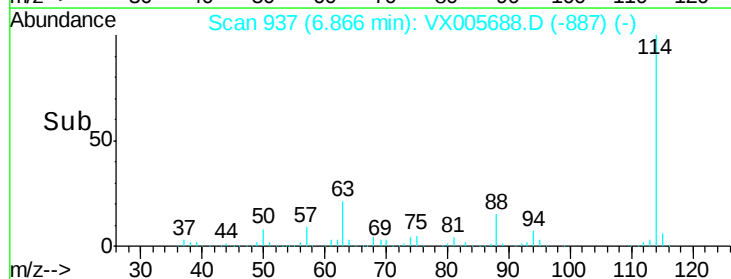
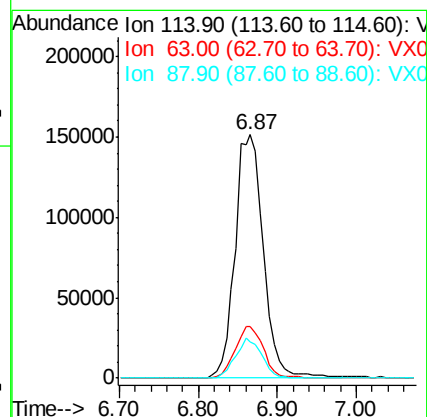
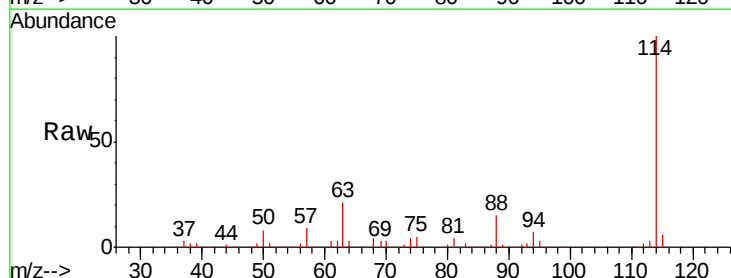
Tgt Ion: 114 Resp: 376720

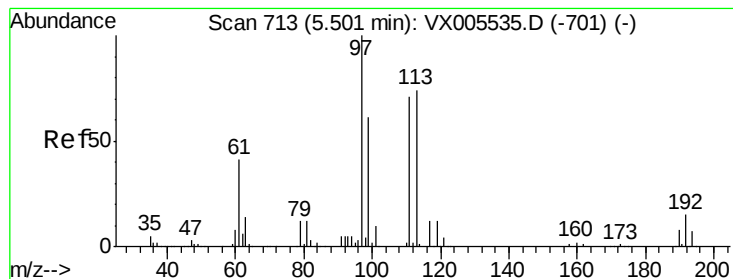
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

88 15.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.58 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

SB-11-WS

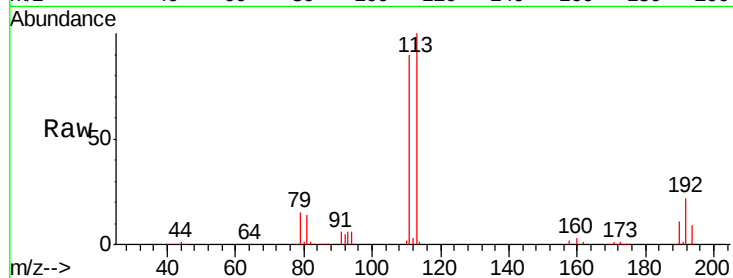
Tgt Ion:113 Resp: 129010

Ion Ratio Lower Upper

113 100

111 104.1 82.3 123.5

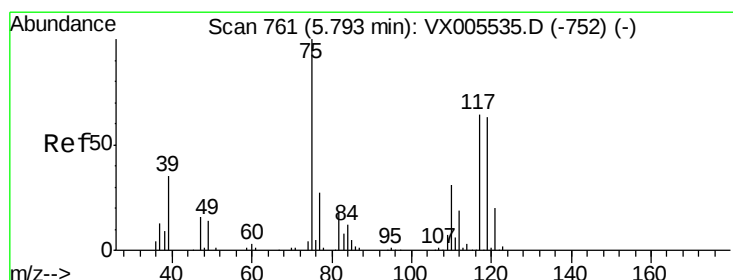
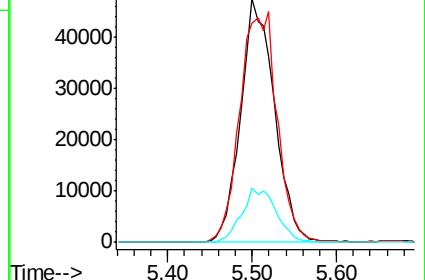
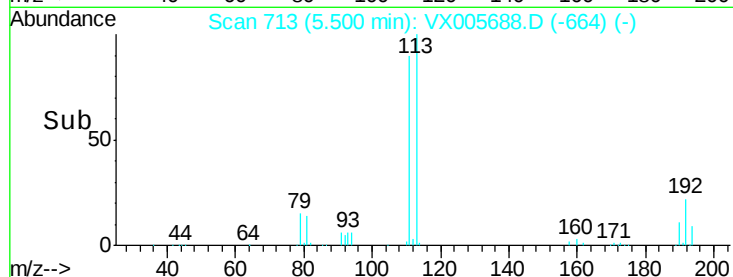
192 23.0 17.9 26.9



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: 4.95 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

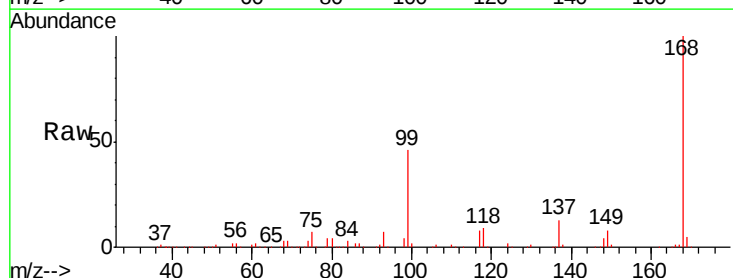
Tgt Ion: 75 Resp: 18100

Ion Ratio Lower Upper

75 100

110 9.2 17.4 52.2#

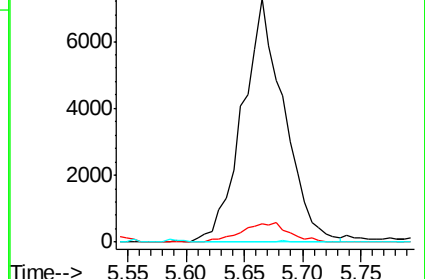
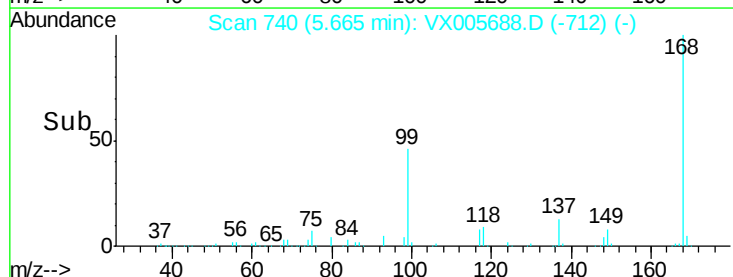
77 0.1 25.8 38.6#

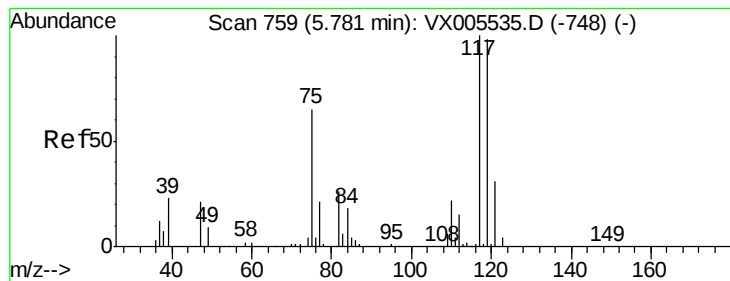


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.02 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

SB-11-WS

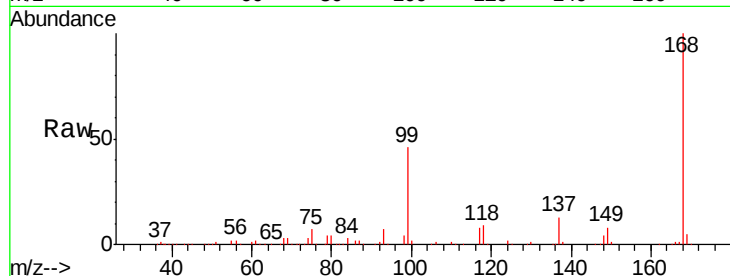
Tgt Ion:117 Resp: 23182

Ion Ratio Lower Upper

117 100

119 5.1 78.1 117.1#

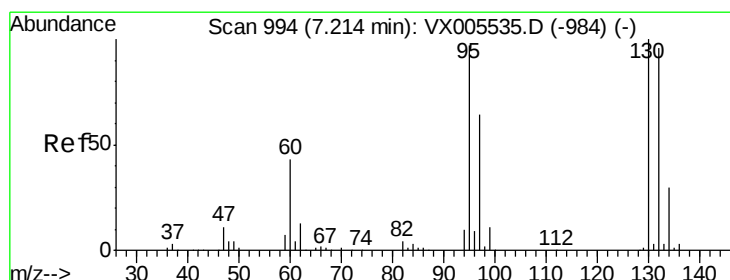
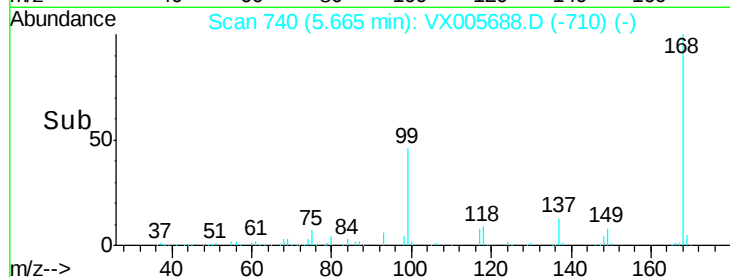
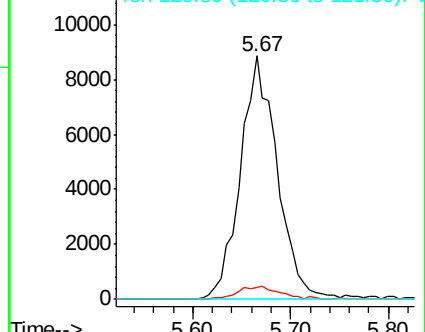
121 0.0 24.6 36.8#



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



#44

Trichloroethene

Concen: 1.80 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005688.D

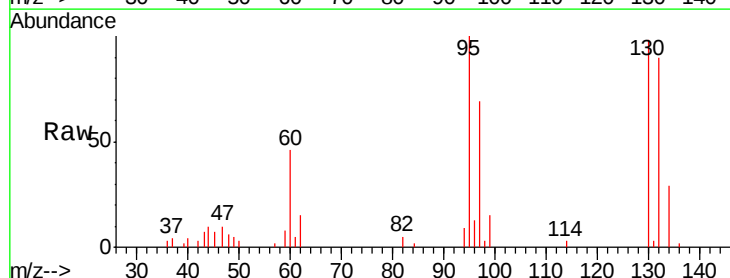
Acq: 30 Oct 2018 13:41

Tgt Ion:130 Resp: 5129

Ion Ratio Lower Upper

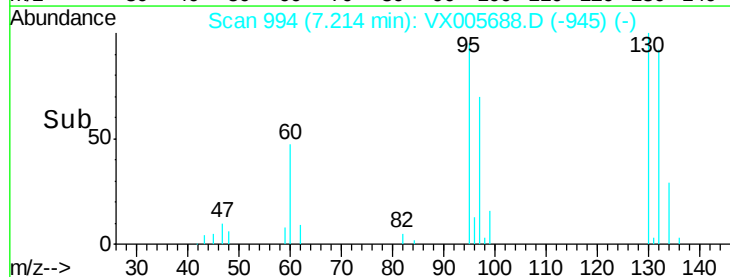
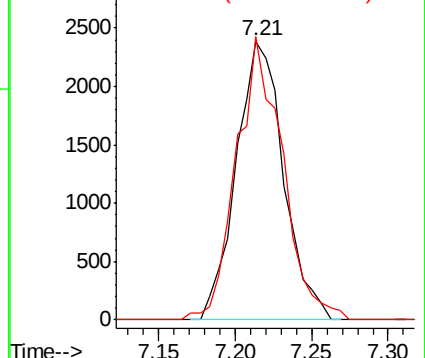
130 100

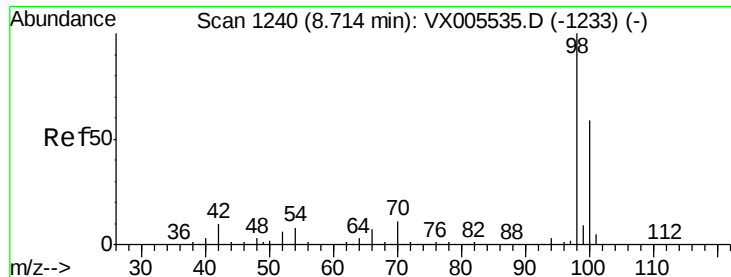
95 99.4 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

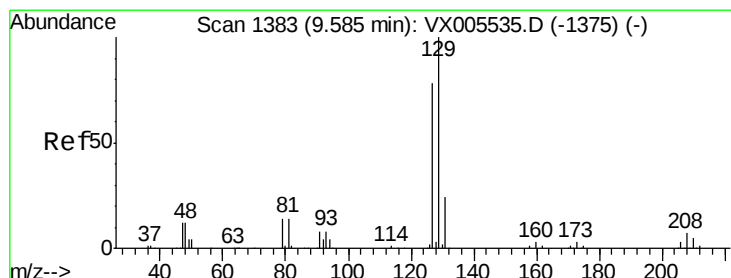
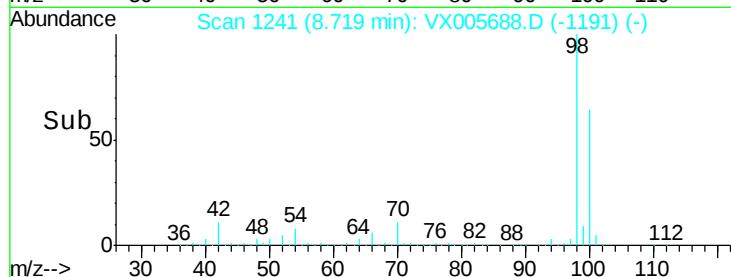
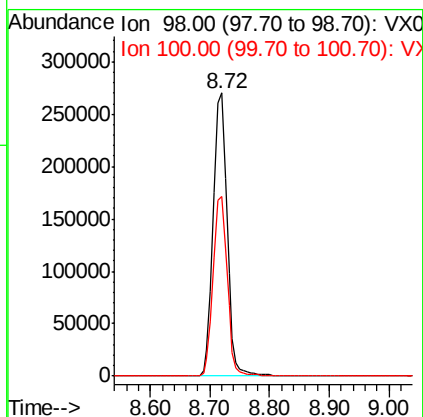
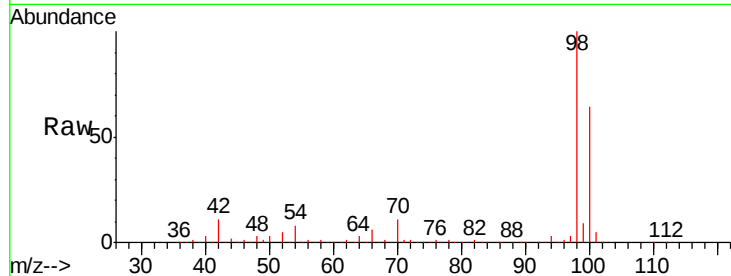




#50
Toluene-d8
Concen: 47.41 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005688.D
Acq: 30 Oct 2018 13:41

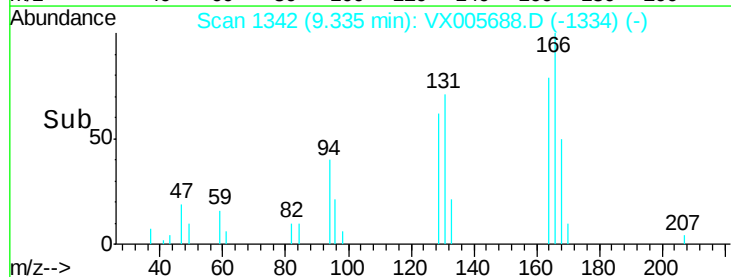
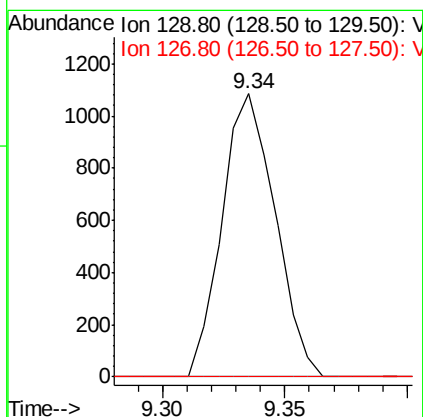
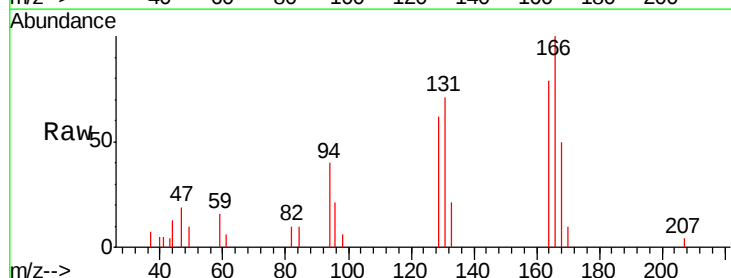
Instrument :
MSVOA_X
ClientSampleId :
SB-11-WS

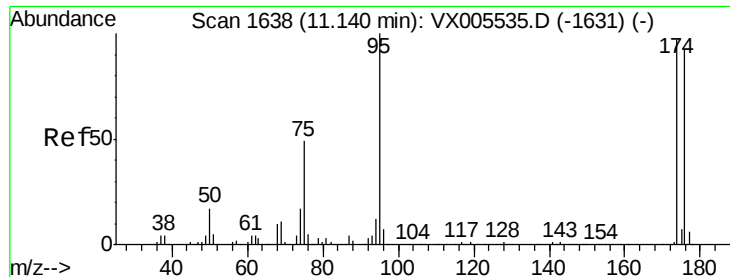
Tgt Ion: 98 Resp: 434572
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9



#60
Dibromochloromethane
Concen: 0.58 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.25 min
Lab File: VX005688.D
Acq: 30 Oct 2018 13:41

Tgt Ion: 129 Resp: 1638
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#

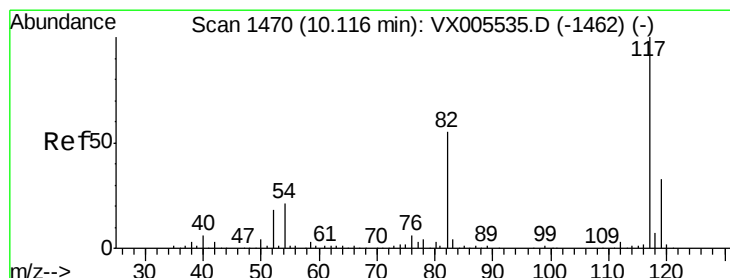
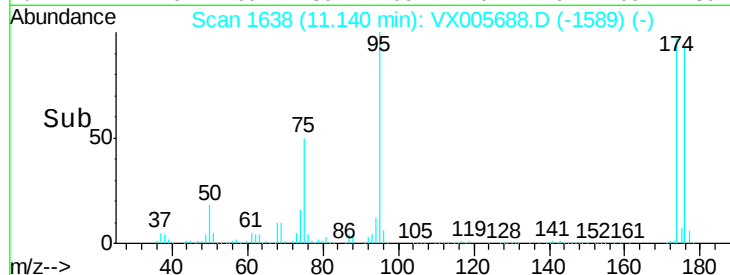
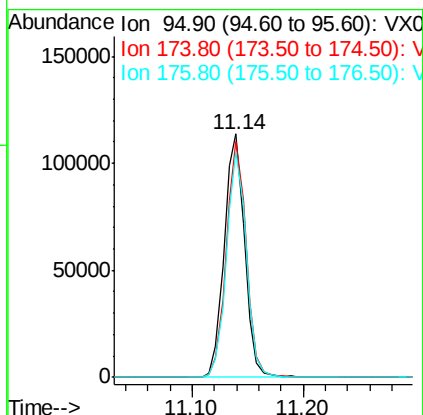
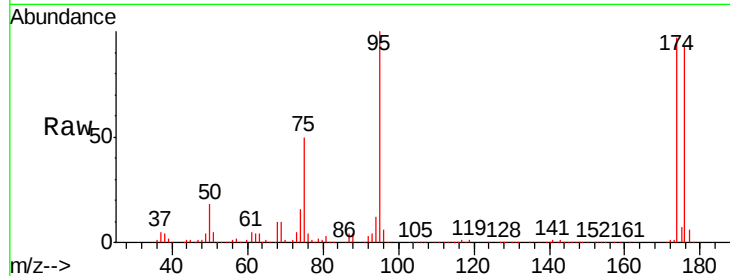




#62
4-Bromofluorobenzene
Concen: 41.58 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005688.D
Acq: 30 Oct 2018 13:41

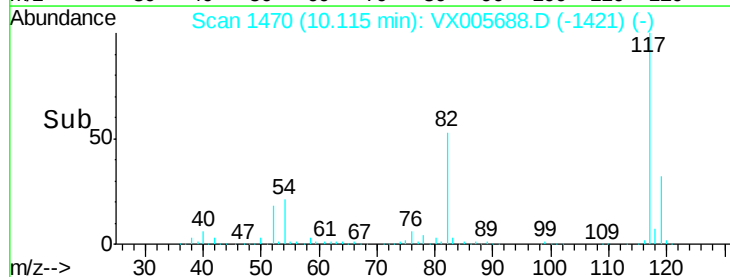
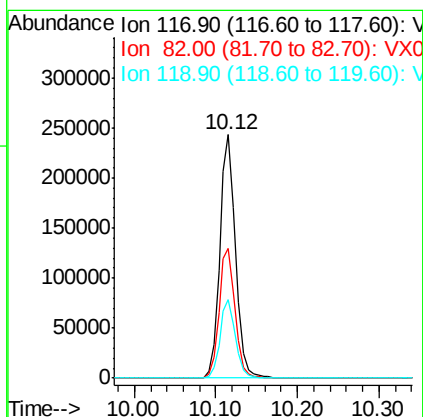
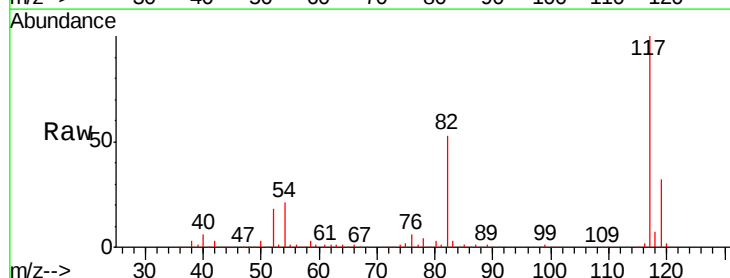
Instrument :
MSVOA_X
ClientSampleId :
SB-11-WS

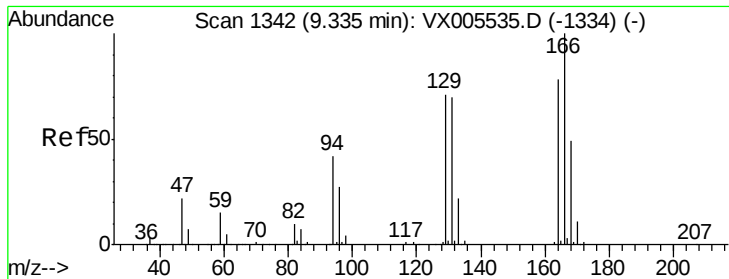
Tgt Ion: 95 Resp: 143918
Ion Ratio Lower Upper
95 100
174 95.2 0.0 184.4
176 90.8 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005688.D
Acq: 30 Oct 2018 13:41

Tgt Ion: 117 Resp: 327745
Ion Ratio Lower Upper
117 100
82 53.4 44.1 66.1
119 32.1 26.2 39.2





#64

Tetrachloroethene

Concen: 0.71 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

SB-11-WS

Tgt Ion:164 Resp: 1939

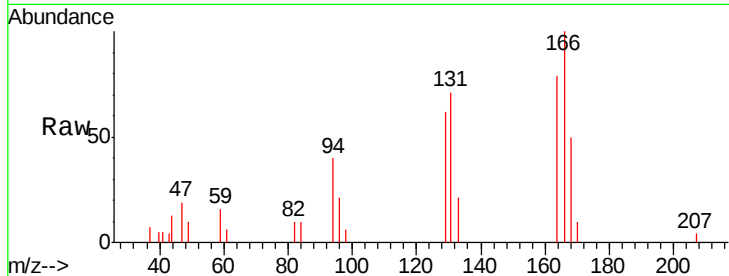
Ion Ratio Lower Upper

164 100

166 126.6 101.9 152.9

129 78.6 72.6 109.0

131 89.5 71.1 106.7

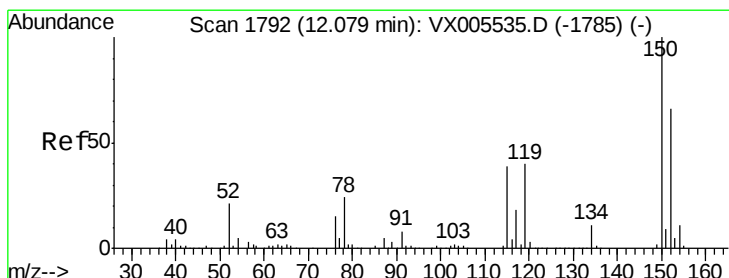
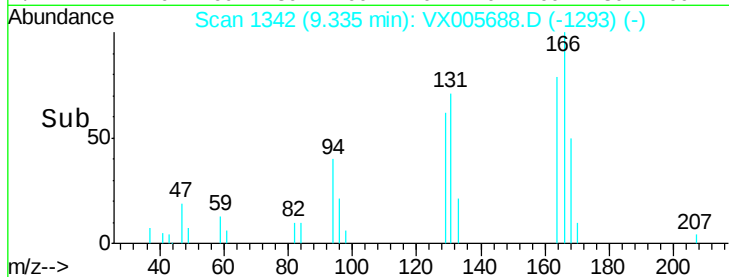
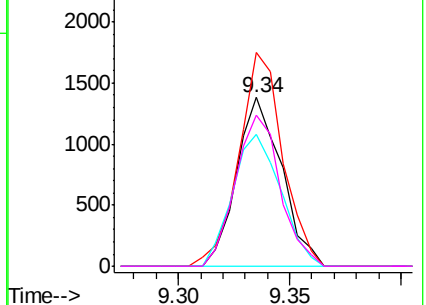


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

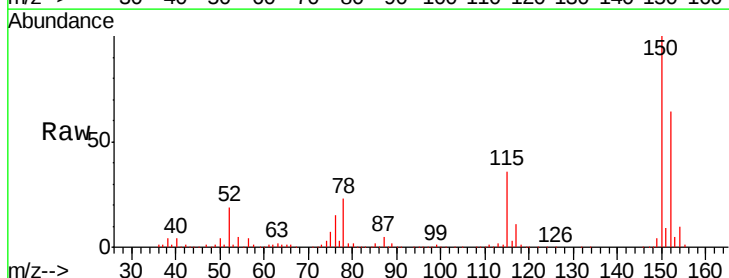
Tgt Ion:152 Resp: 157423

Ion Ratio Lower Upper

152 100

115 55.4 39.4 118.1

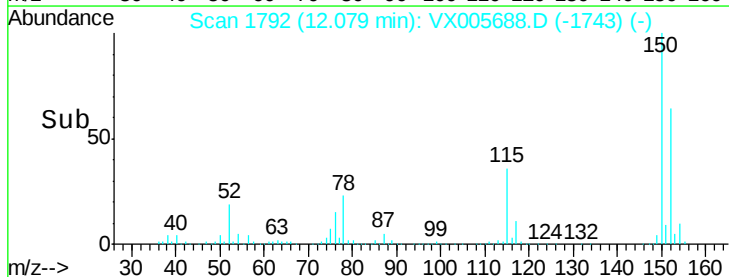
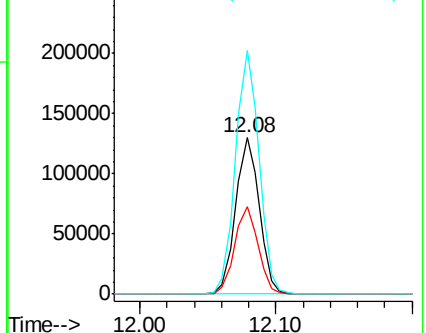
150 155.6 0.0 346.4

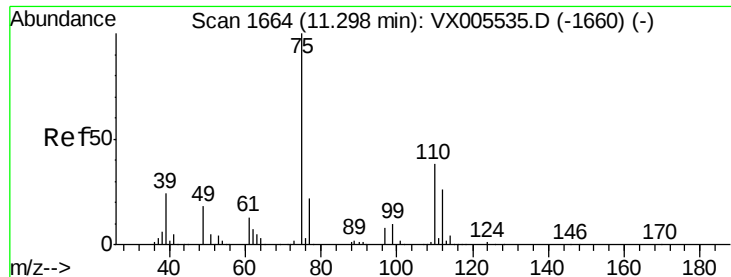


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.60 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

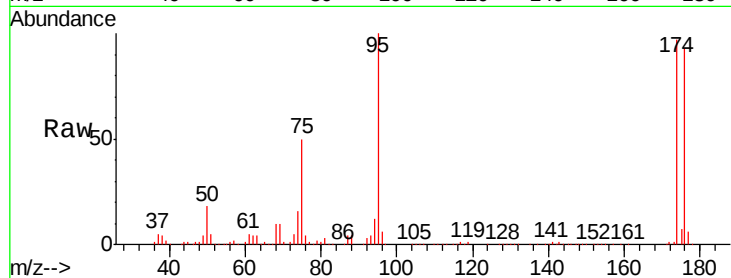
SB-11-WS

Tgt Ion: 75 Resp: 72031

Ion Ratio Lower Upper

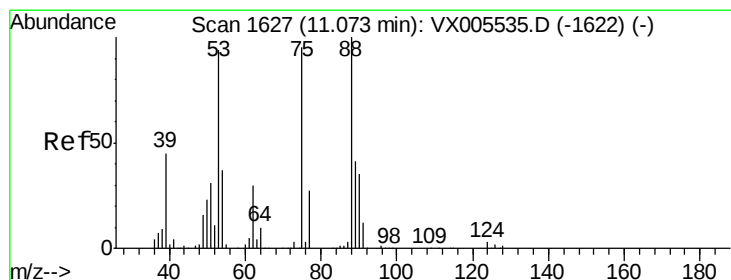
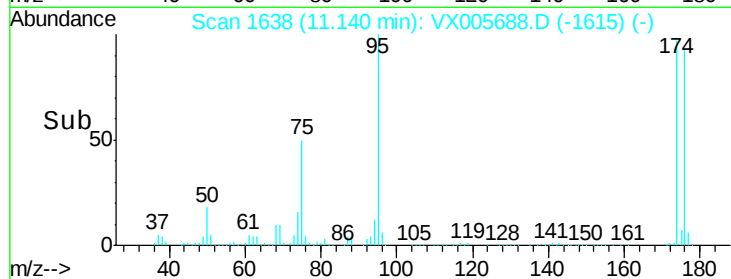
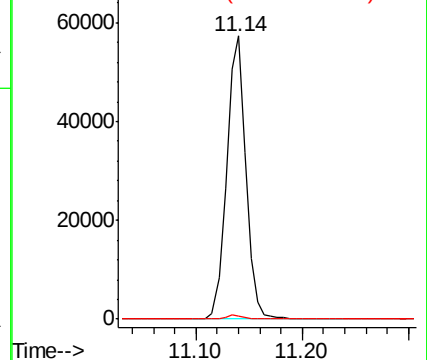
75 100

77 1.4 20.5 61.6#



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: 70.56 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005688.D

Acq: 30 Oct 2018 13:41

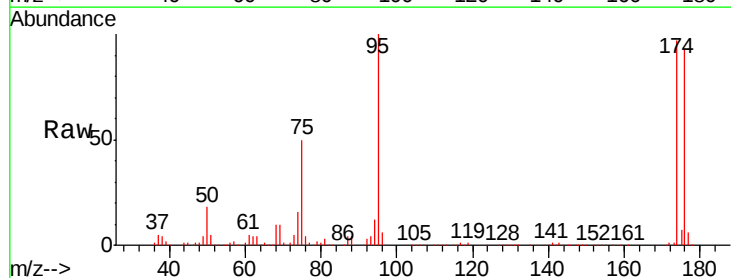
Tgt Ion: 75 Resp: 72031

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



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

