

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051618\
 Data File : VX001777.D
 Acq On : 16 May 2018 20:57
 Operator : JC/MD
 Sample : J2853-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW310-180507

Quant Time: May 17 02:59:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	286423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382032	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	133853	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	206323	53.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.48%	
35) Dibromofluoromethane	5.51	113	174976	54.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.54%	
50) Toluene-d8	8.72	98	614792	53.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	11.14	95	165139	39.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.44%	

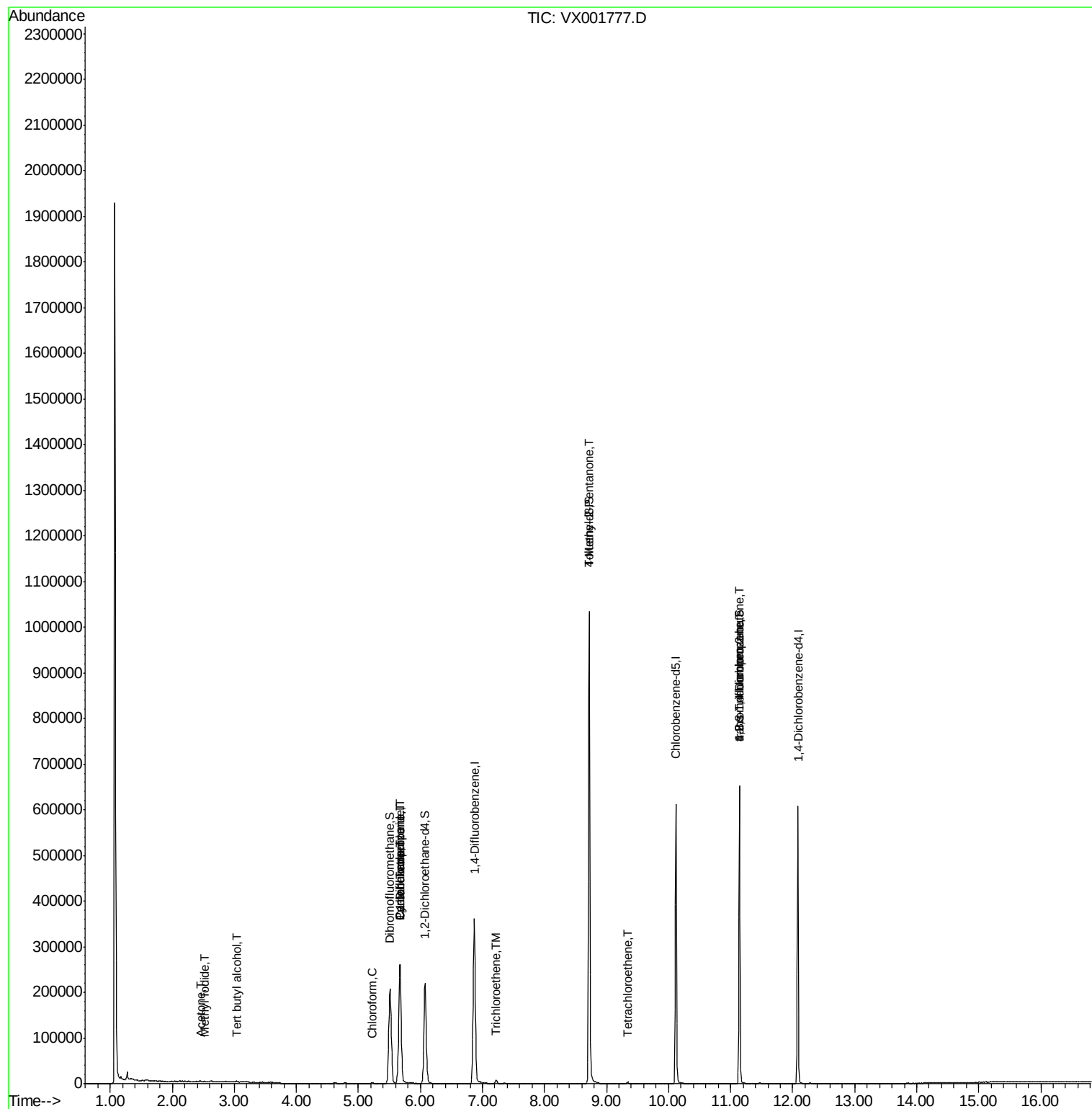
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	142	Below Cal	#	76
10) Methyl Iodide	2.51	142	805	0.30	ug/l #	91
11) Tert butyl alcohol	3.03	59	932	1.37	ug/l #	72
16) Acetone	2.45	43	1149	0.76	ug/l	93
30) Chloroform	5.22	83	1727	0.30	ug/l #	70
31) Cyclohexane	5.66	56	4223	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16694	3.80	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23554	5.11	ug/l #	16
44) Trichloroethene	7.21	130	2962	0.74	ug/l	73
51) 4-Methyl-2-Pentanone	8.72	43	2735	0.60	ug/l #	1
64) Tetrachloroethene	9.35	164	867	0.22	ug/l #	73
76) 1,2,3-Trichloropropane	11.14	75	76797	30.17	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	76797	87.28	ug/l #	10

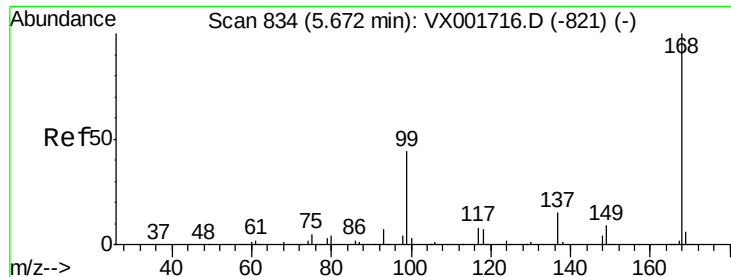
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001777.D

Acq: 16 May 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

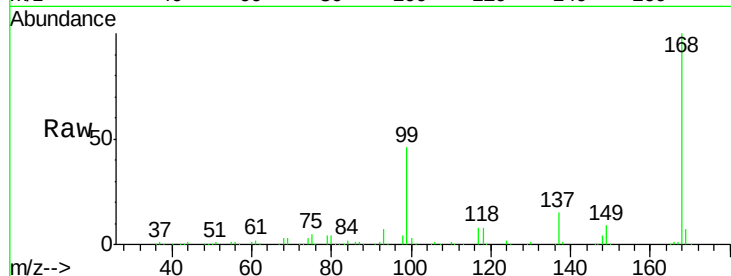
SS037MW310-180507

Tgt Ion:168 Resp: 286423

Ion Ratio Lower Upper

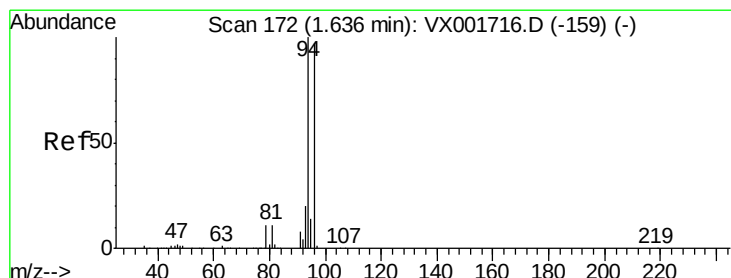
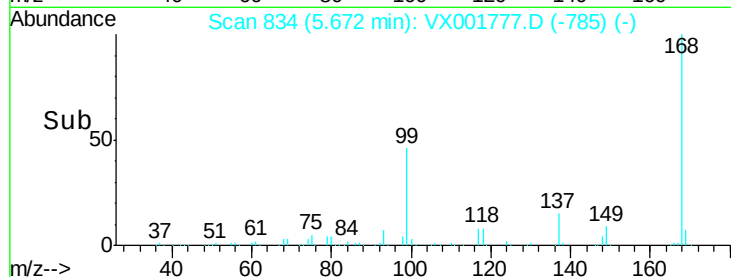
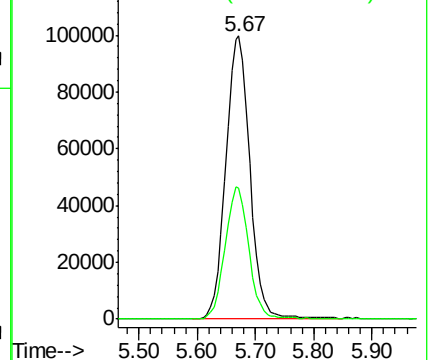
168 100

99 46.2 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX001777.D

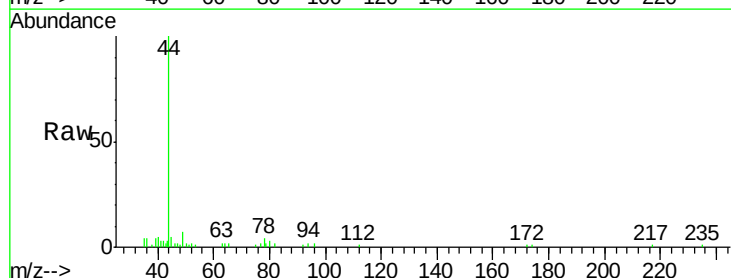
Acq: 16 May 2018 20:57

Tgt Ion: 94 Resp: 142

Ion Ratio Lower Upper

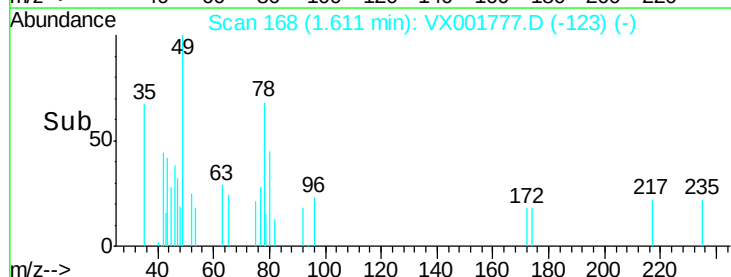
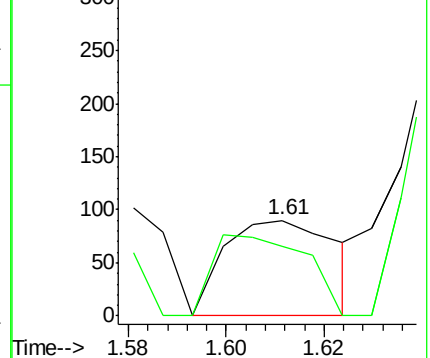
94 100

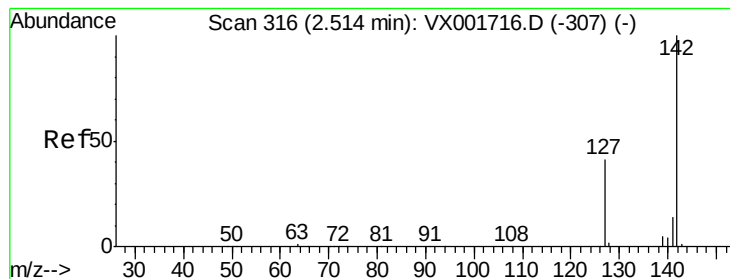
96 73.3 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 0.30 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001777.D

Acq: 16 May 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-180507

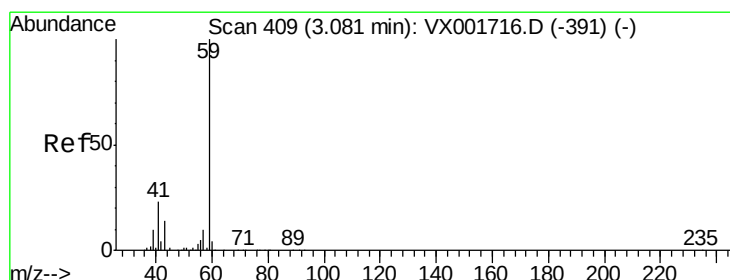
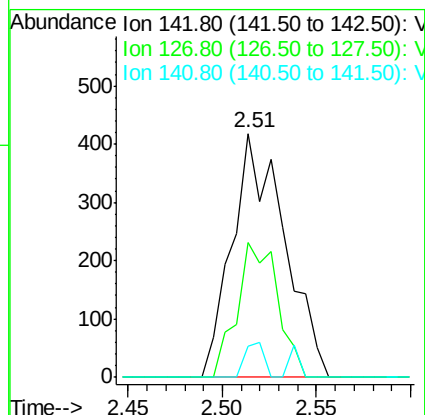
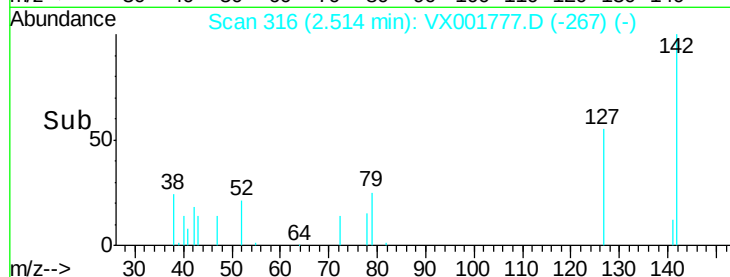
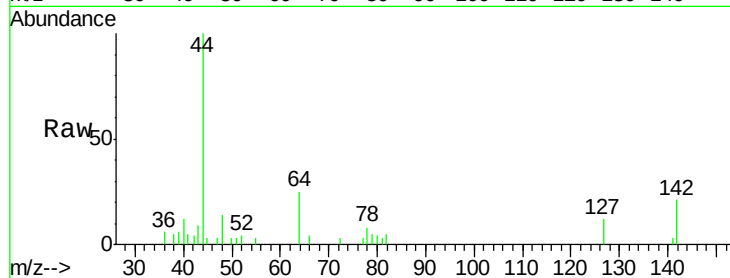
Tgt Ion:142 Resp: 805

Ion Ratio Lower Upper

142 100

127 43.1 32.5 48.7

141 5.1 11.4 17.0#



#11

Tert butyl alcohol

Concen: 1.37 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX001777.D

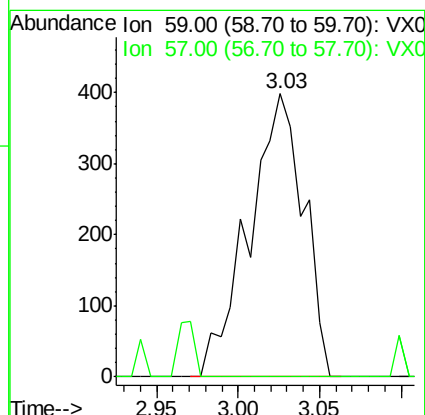
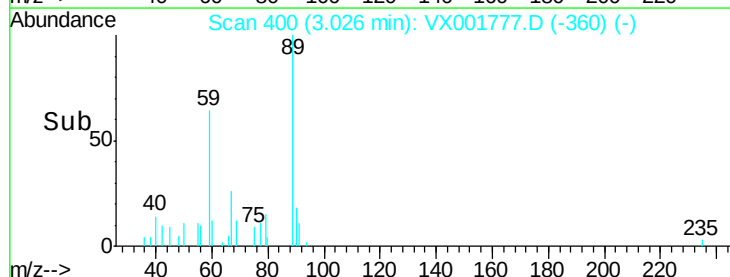
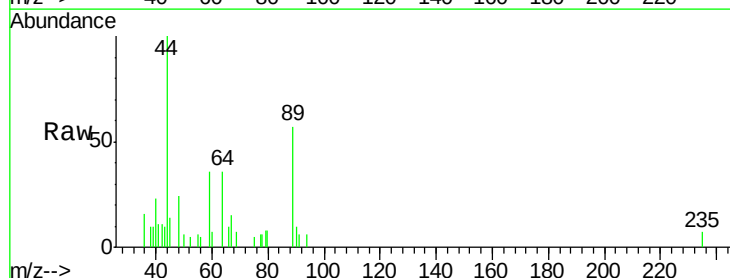
Acq: 16 May 2018 20:57

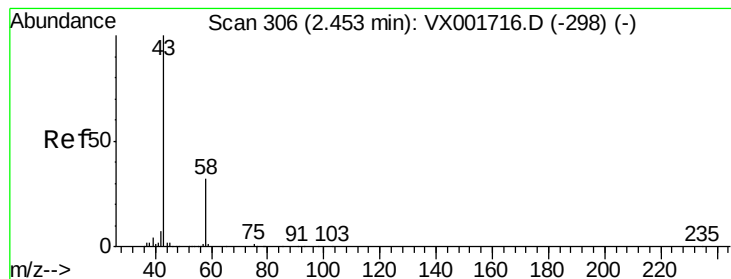
Tgt Ion: 59 Resp: 932

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 0.76 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001777.D

Acq: 16 May 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

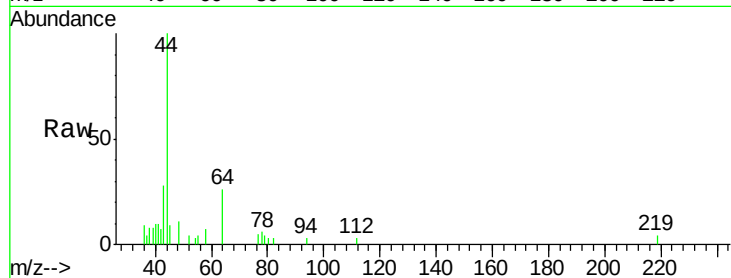
SS037MW310-180507

Tgt Ion: 43 Resp: 1149

Ion Ratio Lower Upper

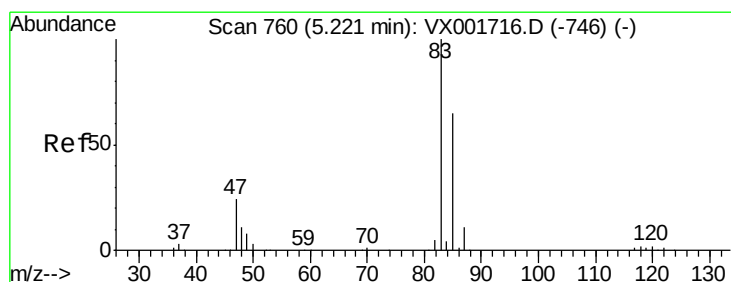
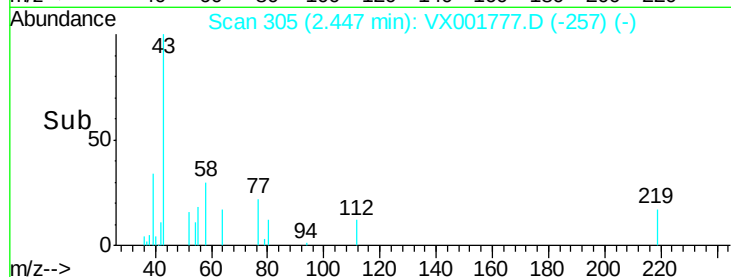
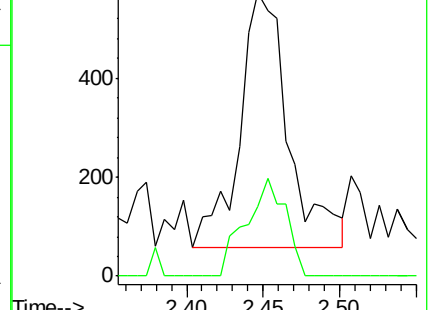
43 100

58 27.6 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#30

Chloroform

Concen: 0.30 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX001777.D

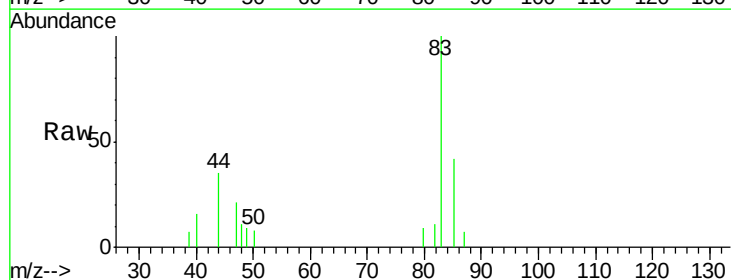
Acq: 16 May 2018 20:57

Tgt Ion: 83 Resp: 1727

Ion Ratio Lower Upper

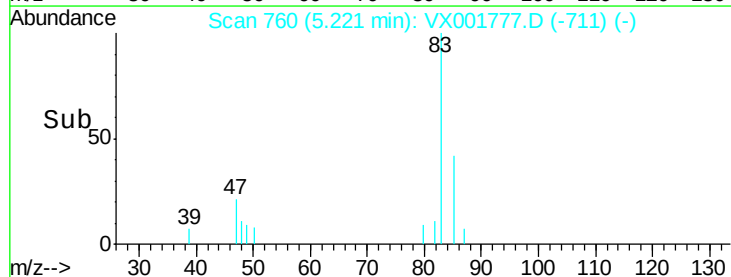
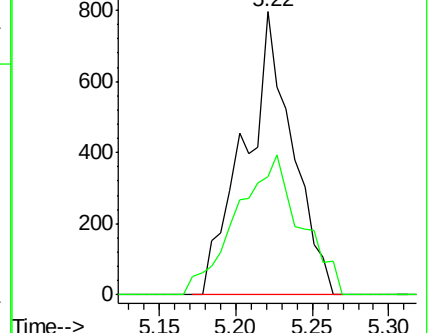
83 100

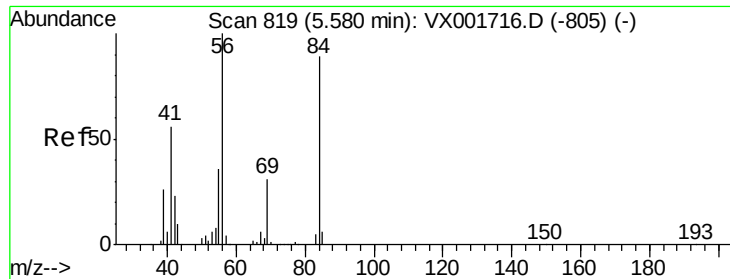
85 41.6 52.3 78.5#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

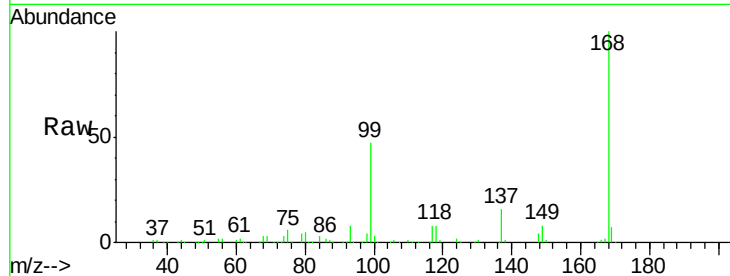




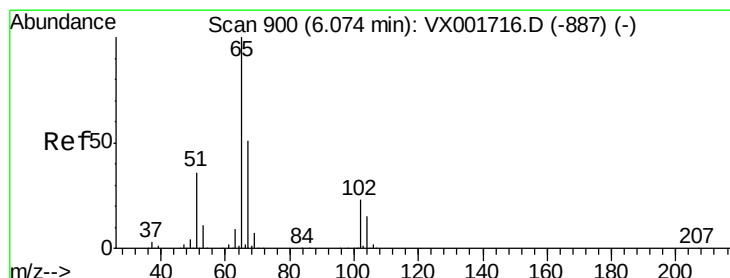
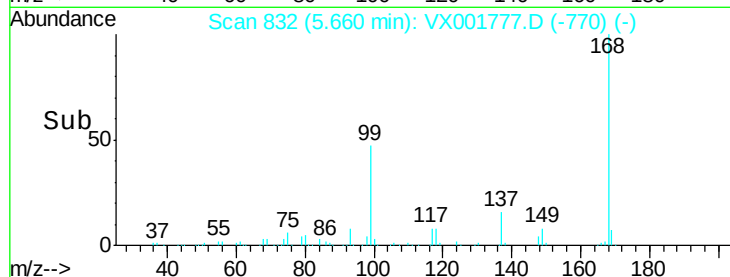
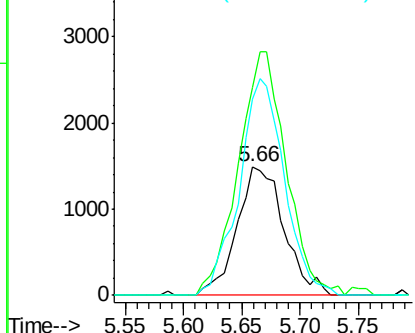
#31
Cyclohexane
Concen: 0.88 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX001777.D
Acq: 16 May 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
SS037MW310-180507

Tgt Ion: 56 Resp: 4223
Ion Ratio Lower Upper
56 100
69 161.4 25.0 37.6#
84 151.7 71.0 106.4#

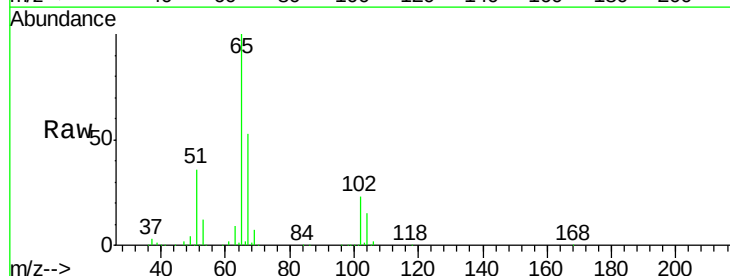


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

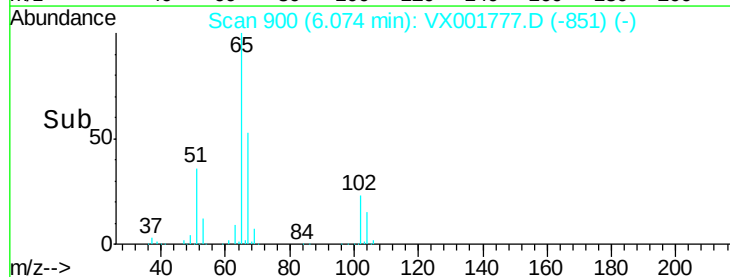
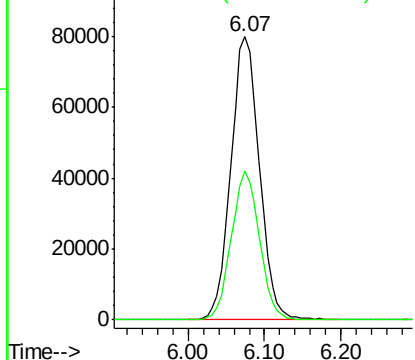


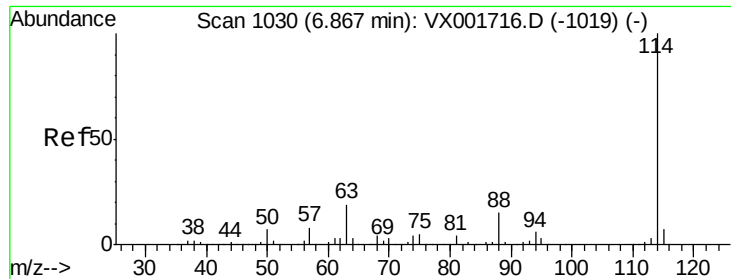
#33
1,2-Dichloroethane-d4
Concen: 53.74 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001777.D
Acq: 16 May 2018 20:57

Tgt Ion: 65 Resp: 206323
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001777.D

Acq: 16 May 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-180507

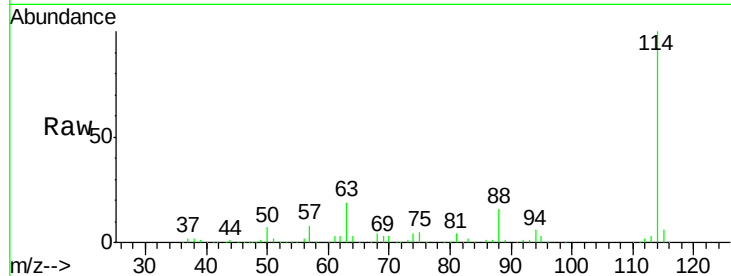
Tgt Ion:114 Resp: 382032

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.0

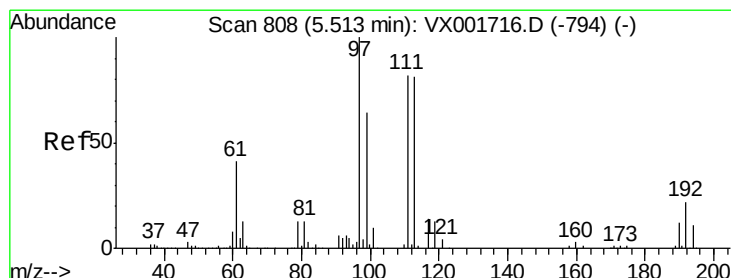
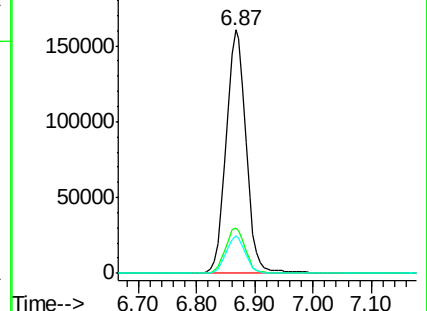
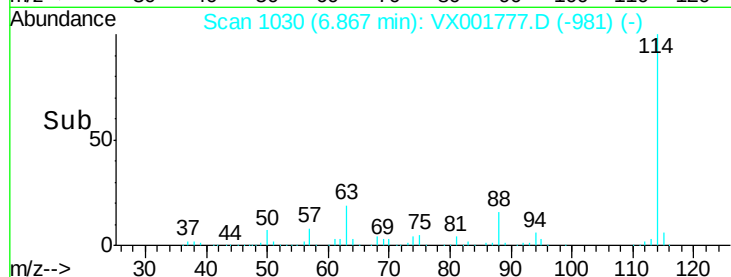
88 15.6 0.0 29.8



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: 54.27 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001777.D

Acq: 16 May 2018 20:57

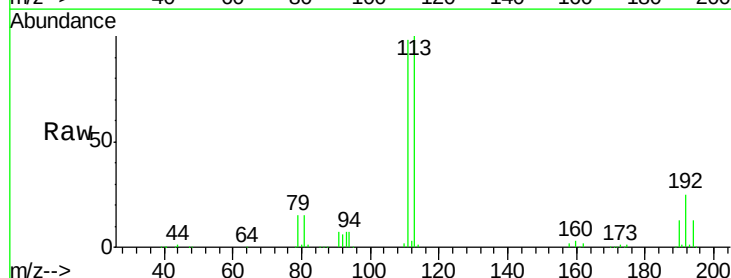
Tgt Ion:113 Resp: 174976

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

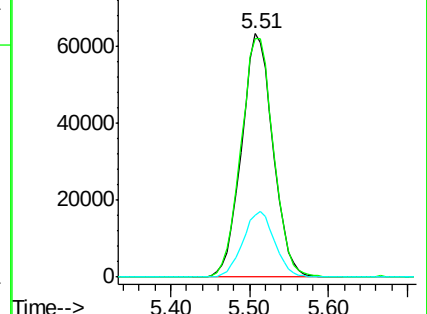
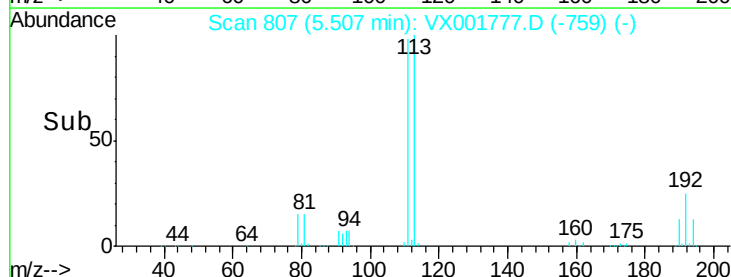
192 27.2 21.6 32.4

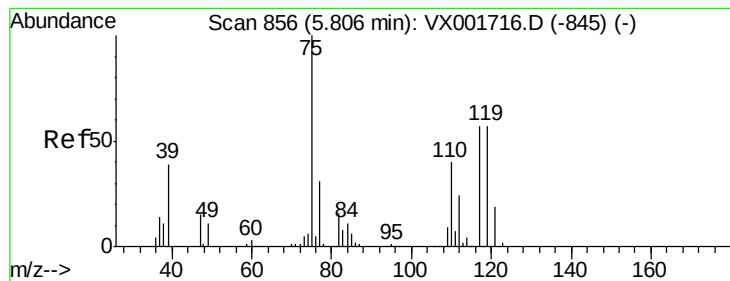


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.80 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001777.D

Acq: 16 May 2018 20:57

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SS037MW310-180507

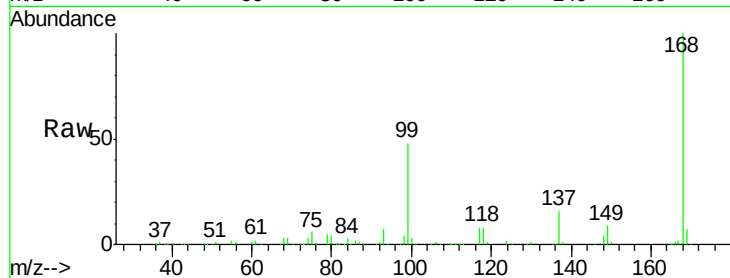
Tgt Ion: 75 Resp: 16694

Ion Ratio Lower Upper

75 100

110 10.2 19.1 57.1#

77 0.0 24.6 37.0#

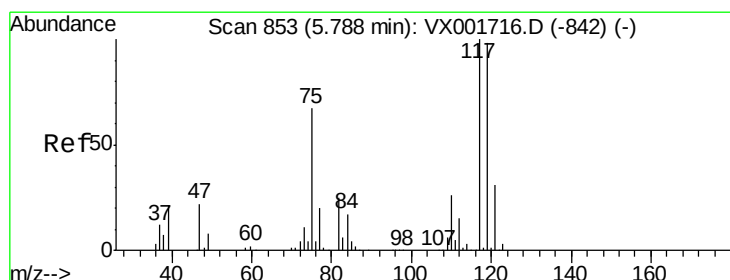
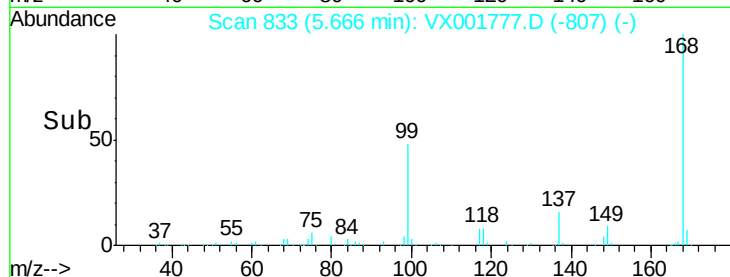


Abundance Ion 74.90 (74.60 to 75.60): VX001716.D (-845) (-)

Ion 109.90 (109.60 to 110.60): VX001716.D (-845) (-)

Ion 76.90 (76.60 to 77.60): VX001716.D (-845) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.11 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001777.D

Acq: 16 May 2018 20:57

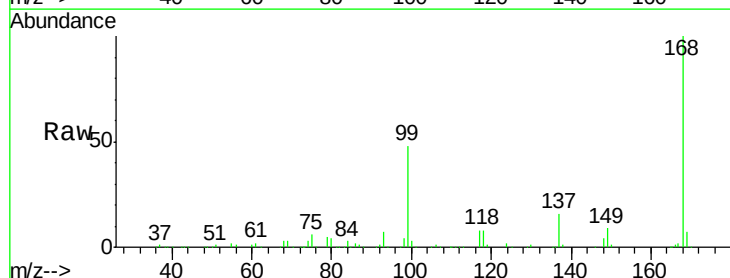
Tgt Ion: 117 Resp: 23554

Ion Ratio Lower Upper

117 100

119 6.2 77.6 116.4#

121 0.0 24.6 36.8#

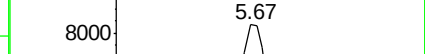
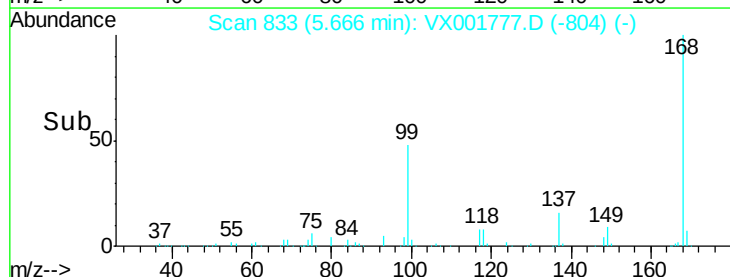


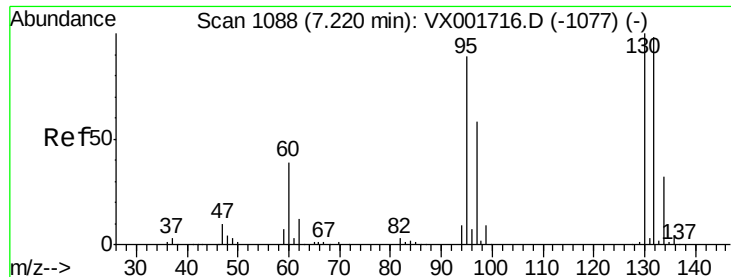
Abundance Ion 116.80 (116.50 to 117.50): VX001716.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001716.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001716.D (-842) (-)

Time-->





#44

Trichloroethene

Concen: 0.74 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX001777.D

Acq: 16 May 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

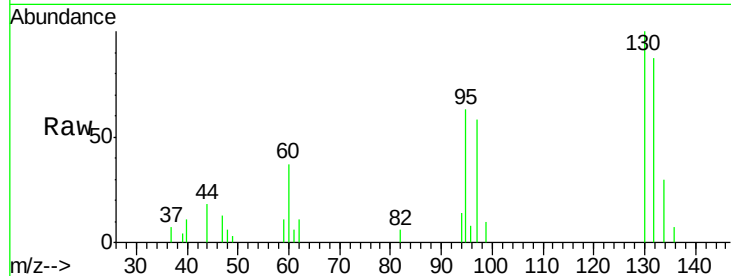
SS037MW310-180507

Tgt Ion:130 Resp: 2962

Ion Ratio Lower Upper

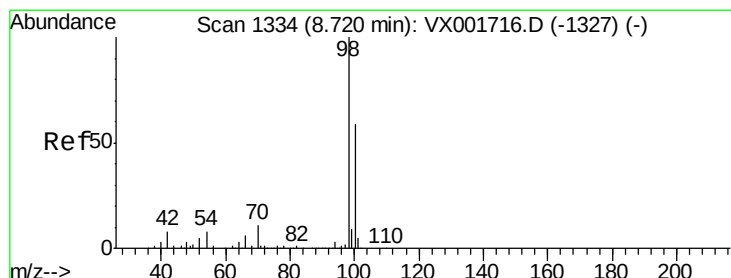
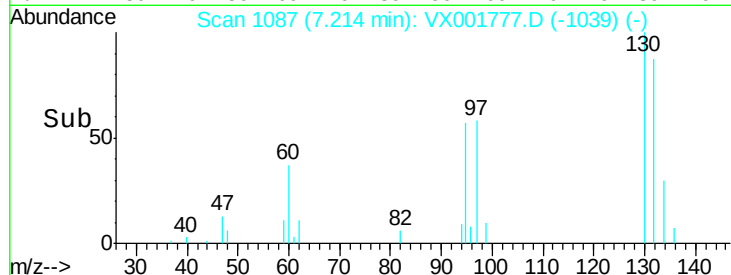
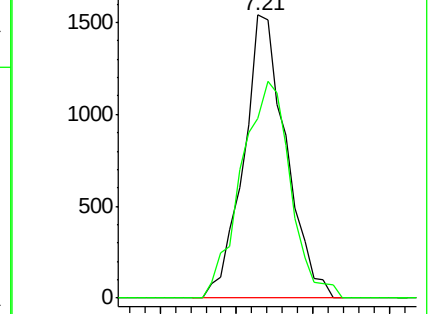
130 100

95 63.4 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 53.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001777.D

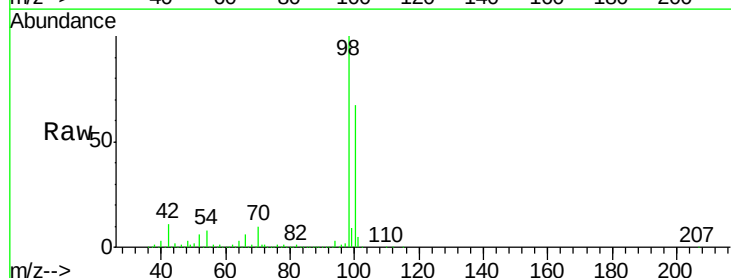
Acq: 16 May 2018 20:57

Tgt Ion: 98 Resp: 614792

Ion Ratio Lower Upper

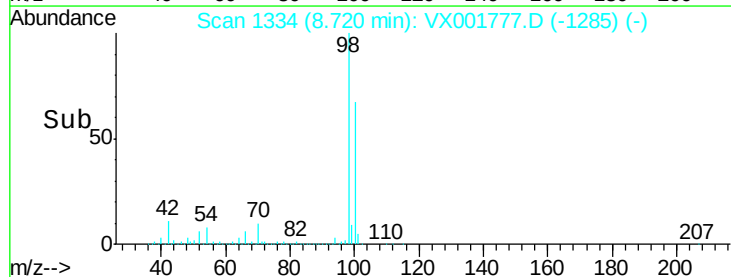
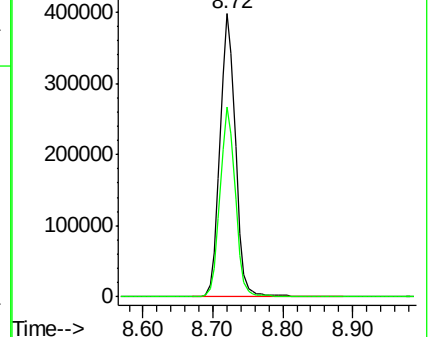
98 100

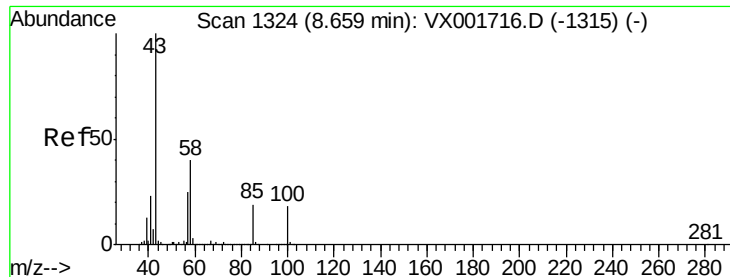
100 66.4 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

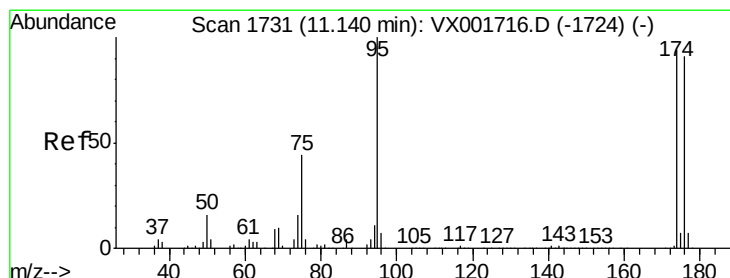
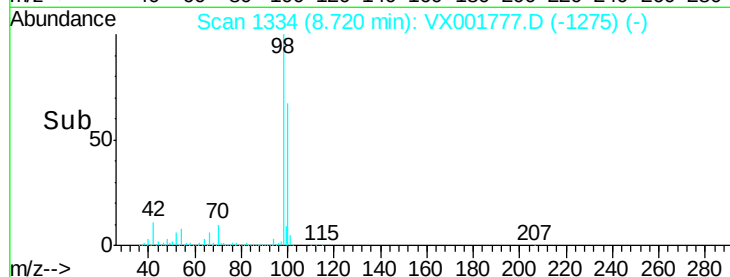
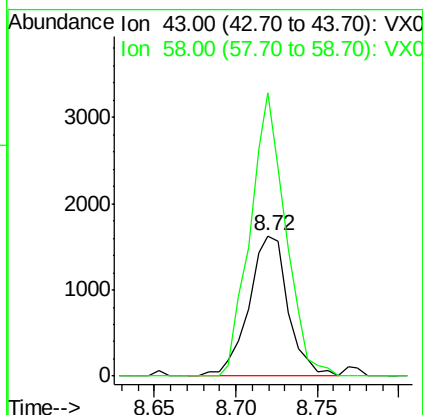
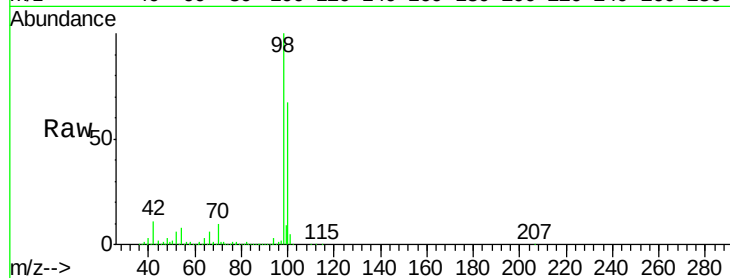




#51
 4-Methyl-2-Pentanone
 Concen: 0.60 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.06 min
 Lab File: VX001777.D
 Acq: 16 May 2018 20:57

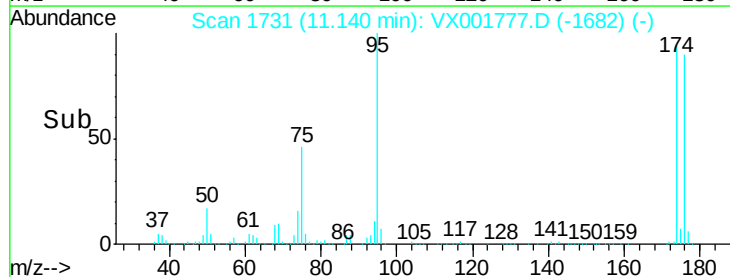
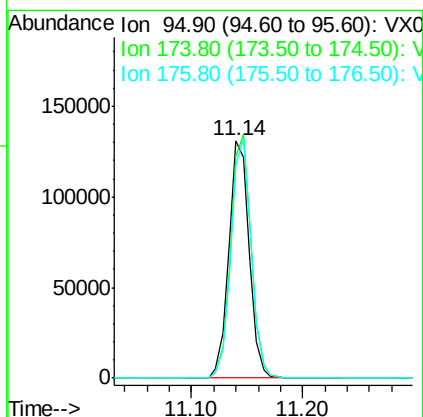
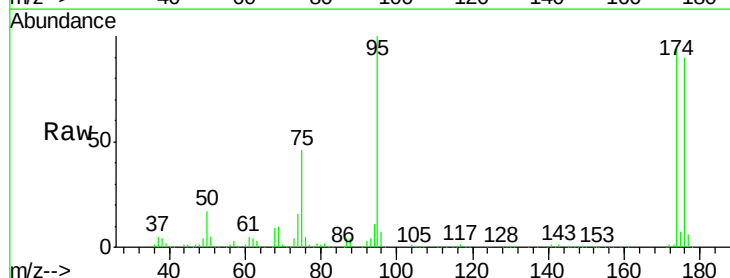
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW310-180507

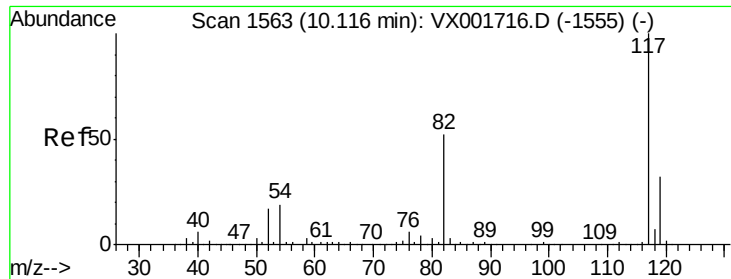
Tgt Ion: 43 Resp: 2735
 Ion Ratio Lower Upper
 43 100
 58 180.7 31.4 47.0#



#62
 4-Bromofluorobenzene
 Concen: 39.72 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001777.D
 Acq: 16 May 2018 20:57

Tgt Ion: 95 Resp: 165139
 Ion Ratio Lower Upper
 95 100
 174 103.1 0.0 201.8
 176 99.9 0.0 196.8

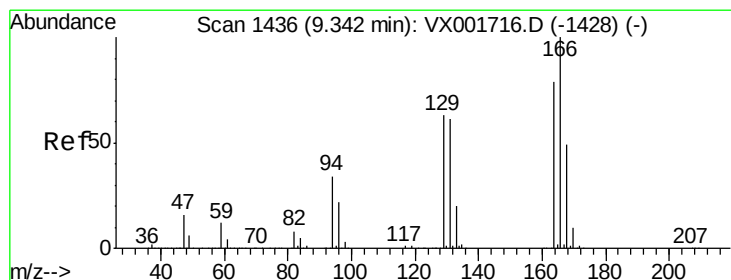
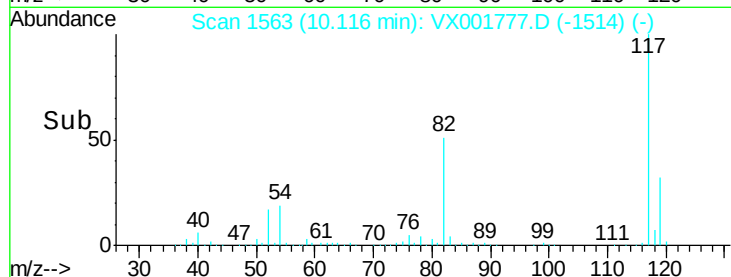
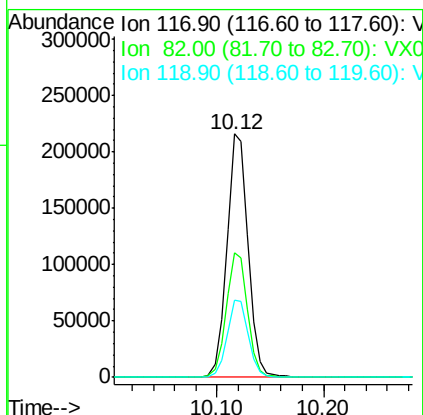
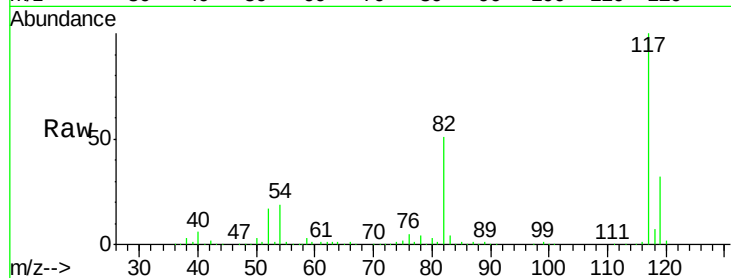




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001777.D
Acq: 16 May 2018 20:57

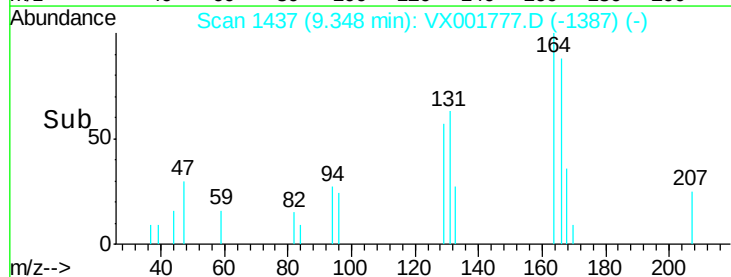
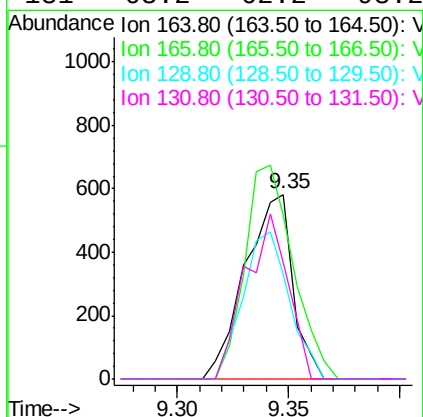
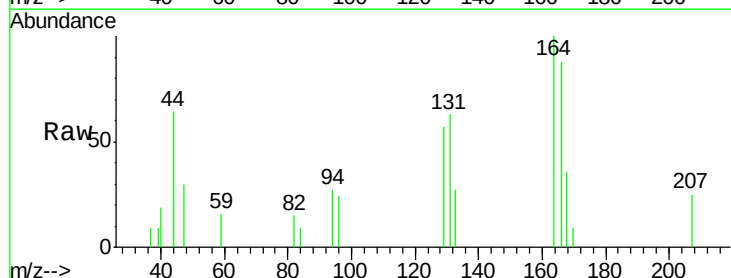
Instrument :
MSVOA_X
ClientSampleId :
SS037MW310-180507

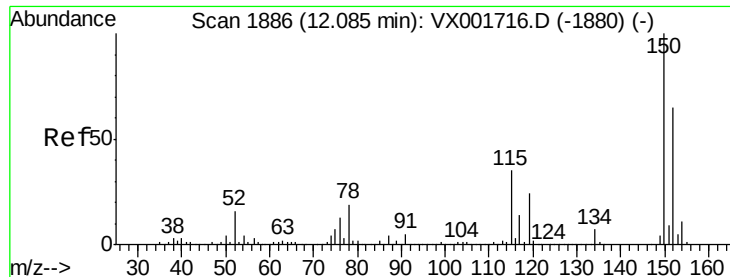
Tgt Ion:117 Resp: 301315
Ion Ratio Lower Upper
117 100
82 51.3 41.4 62.2
119 31.7 25.6 38.4



#64
Tetrachloroethene
Concen: 0.22 ug/l
RT: 9.35 min Scan# 1437
Delta R.T. 0.01 min
Lab File: VX001777.D
Acq: 16 May 2018 20:57

Tgt Ion:164 Resp: 867
Ion Ratio Lower Upper
164 100
166 88.5 101.8 152.8#
129 57.2 63.8 95.6#
131 63.2 62.2 93.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001777.D

Acq: 16 May 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-180507

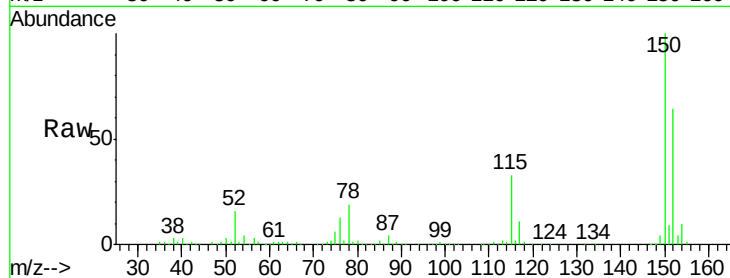
Tgt Ion:152 Resp: 133853

Ion Ratio Lower Upper

152 100

115 51.5 37.4 112.2

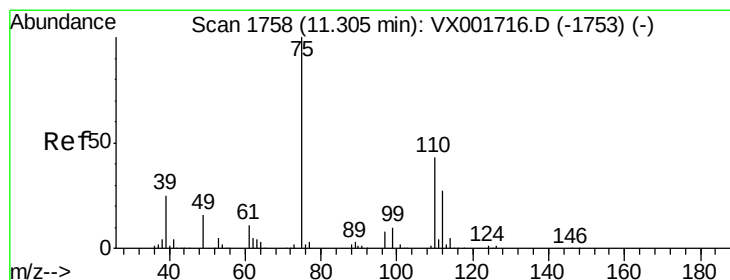
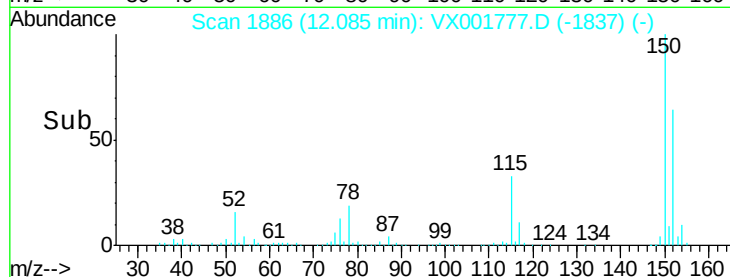
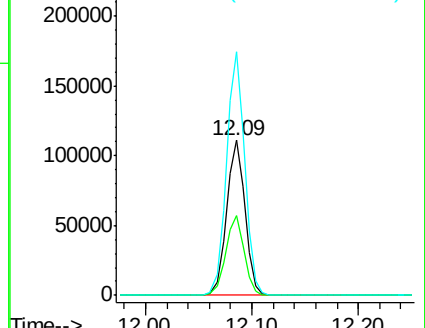
150 155.9 0.0 344.8



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: 30.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001777.D

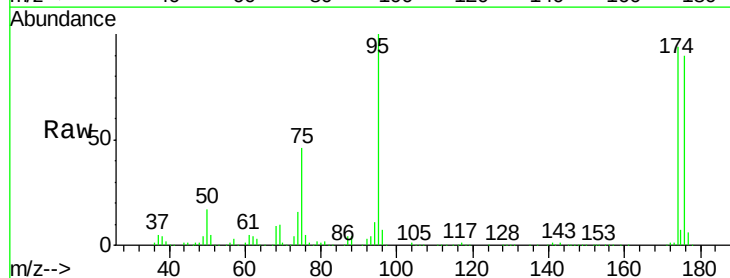
Acq: 16 May 2018 20:57

Tgt Ion: 75 Resp: 76797

Ion Ratio Lower Upper

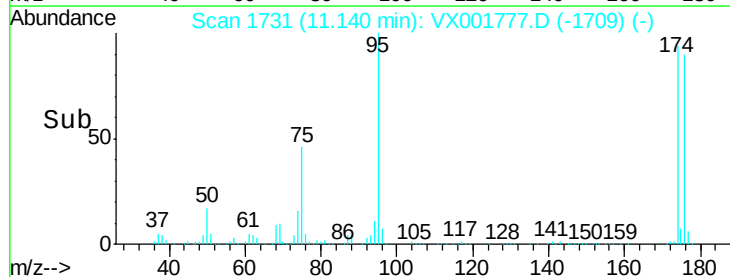
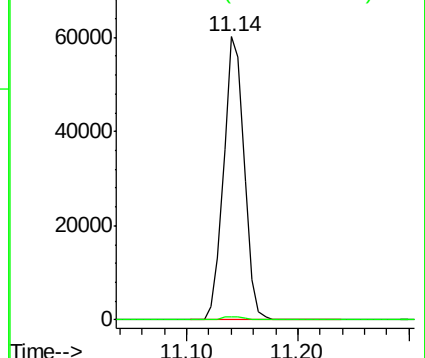
75 100

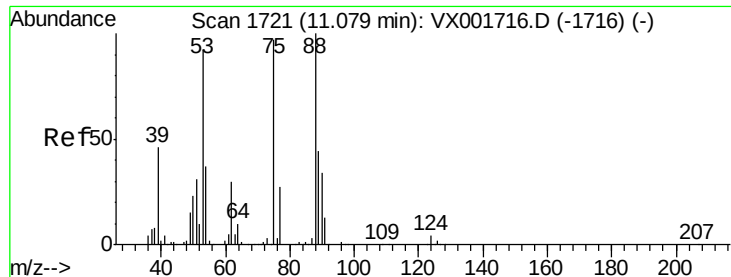
77 1.3 18.9 56.7#



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: 87.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001777.D

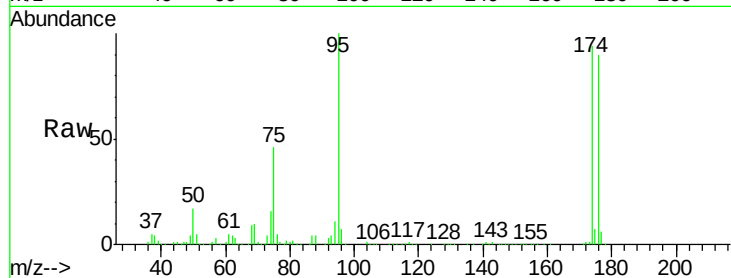
Acq: 16 May 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-180507



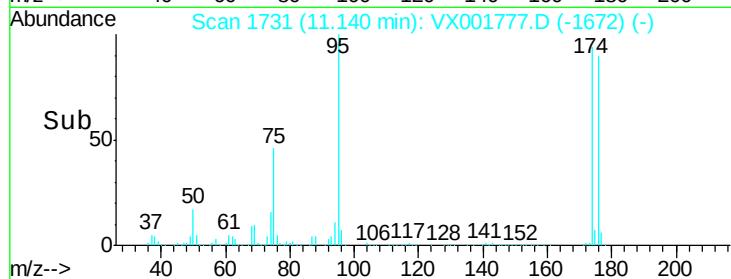
Tgt Ion: 75 Resp: 76797

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#



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

