

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051618\
 Data File : VX001771.D
 Acq On : 16 May 2018 18:17
 Operator : JC/MD
 Sample : J2853-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY067MW013-180507

Quant Time: May 17 02:57:33 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	291479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	396680	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	162017	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	195851	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	5.51	113	160332	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	8.72	98	569656	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	11.14	95	162613	37.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.34%	

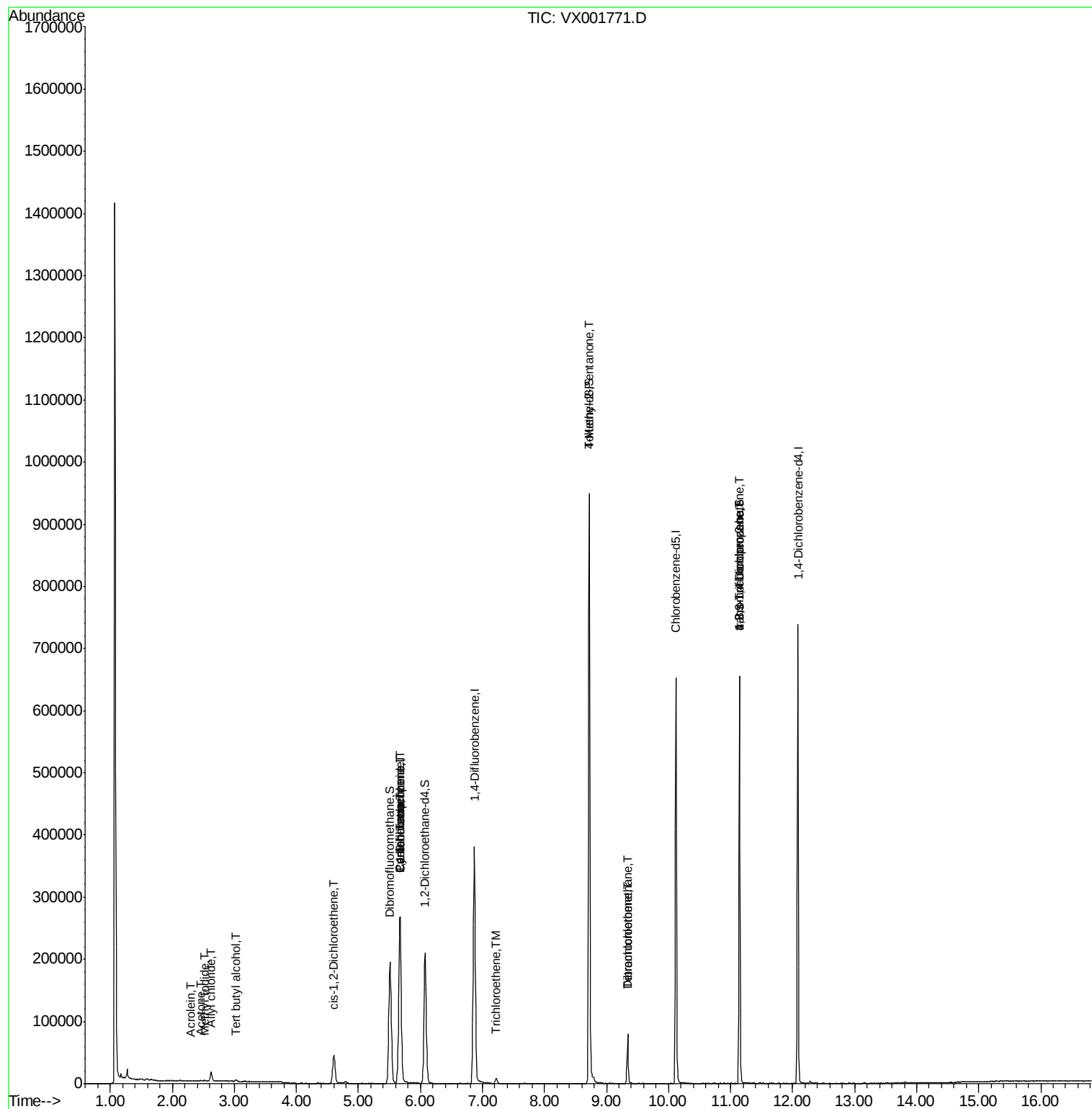
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1265	Below Cal	#	78
10) Methyl Iodide	2.52	142	1240	0.45	ug/l #	88
11) Tert butyl alcohol	3.02	59	1414	2.04	ug/l #	72
13) Acrolein	2.30	56	126	0.26	ug/l	95
14) Allyl chloride	2.63	41	1701	0.32	ug/l #	62
16) Acetone	2.45	43	1325	0.86	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	30342	8.40	ug/l	94
31) Cyclohexane	5.67	56	4777	0.97	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17212	3.77	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24700	5.16	ug/l #	17
44) Trichloroethene	7.22	130	3535	0.85	ug/l	96
51) 4-Methyl-2-Pentanone	8.72	43	2457	0.52	ug/l #	1
60) Dibromochloromethane	9.34	129	14879	4.40	ug/l #	11
64) Tetrachloroethene	9.34	164	17442	4.18	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	76948	24.98	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	76948	72.82	ug/l #	10

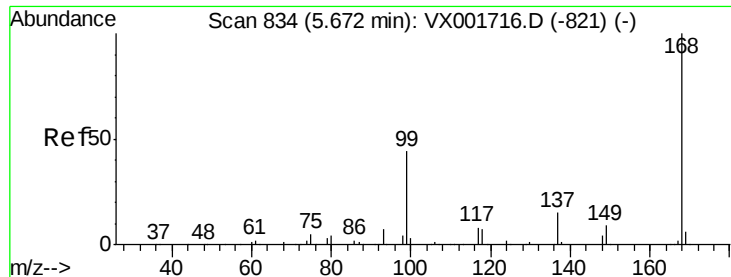
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001771.D

Acq: 16 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

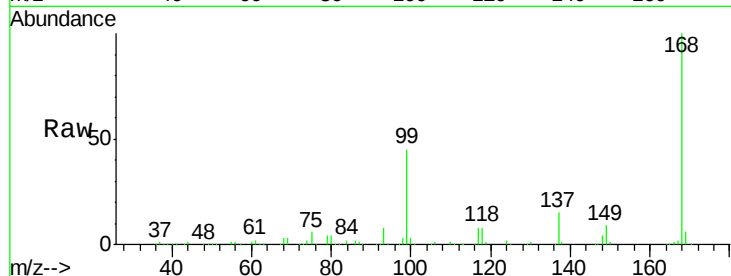
KY067MW013-180507

Tgt Ion:168 Resp: 291479

Ion Ratio Lower Upper

168 100

99 45.5 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

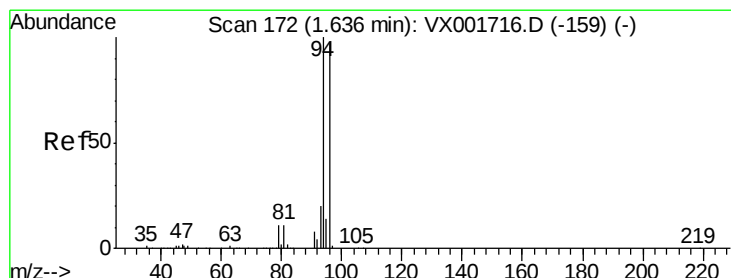
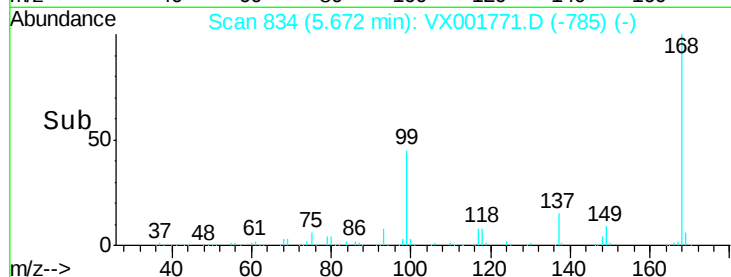
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001771.D

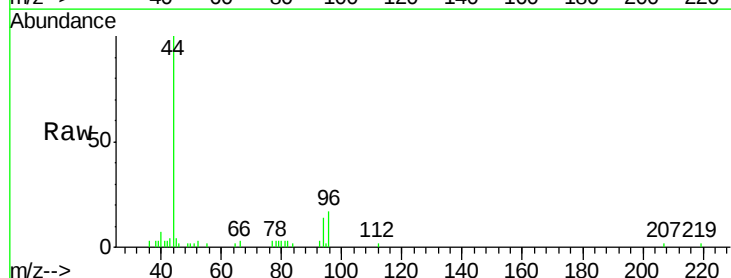
Acq: 16 May 2018 18:17

Tgt Ion: 94 Resp: 1265

Ion Ratio Lower Upper

94 100

96 118.8 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

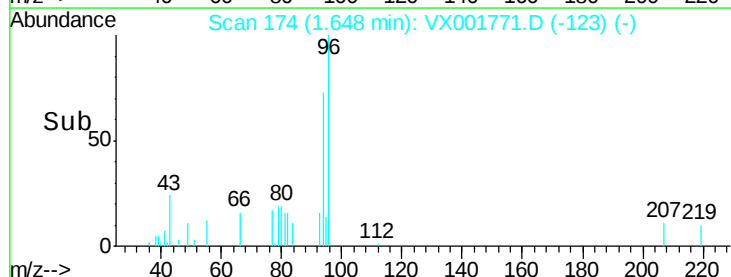
300

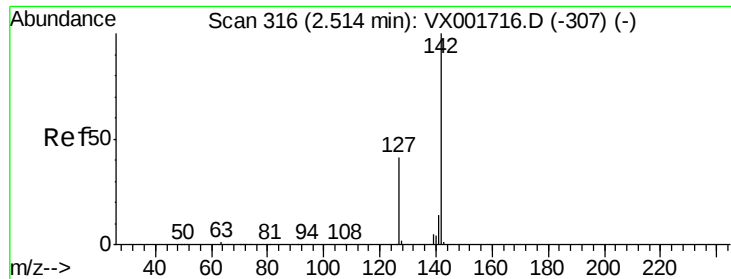
200

100

0

Time--> 1.55 1.60 1.65 1.70 1.75

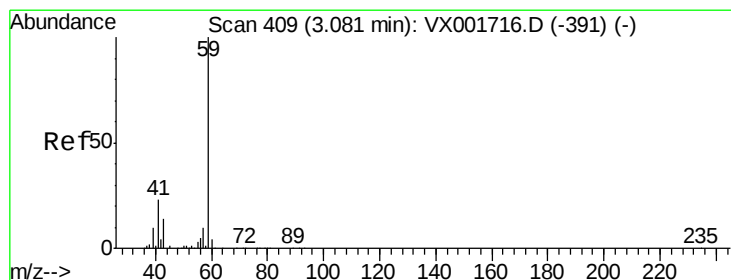
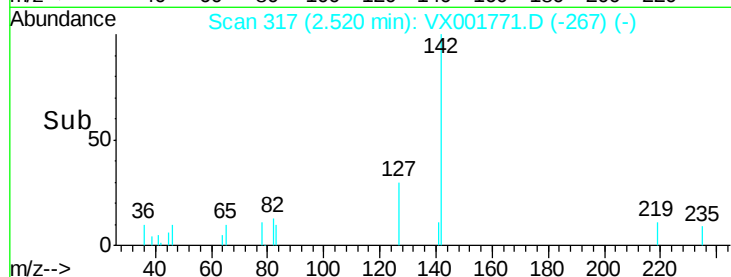
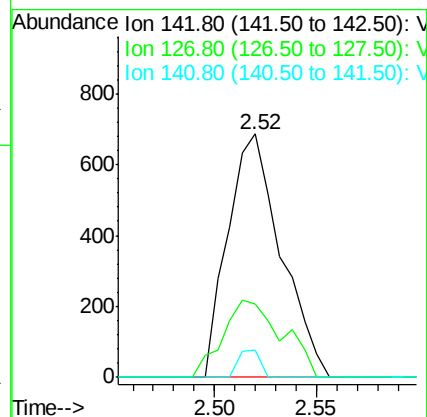
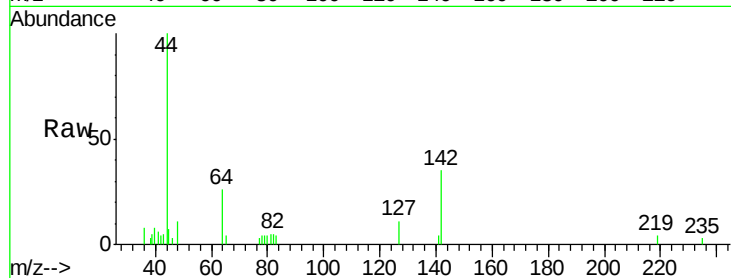




#10
Methyl Iodide
Concen: 0.45 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001771.D
Acq: 16 May 2018 18:17

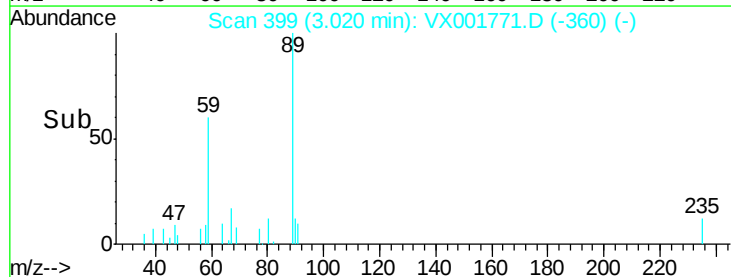
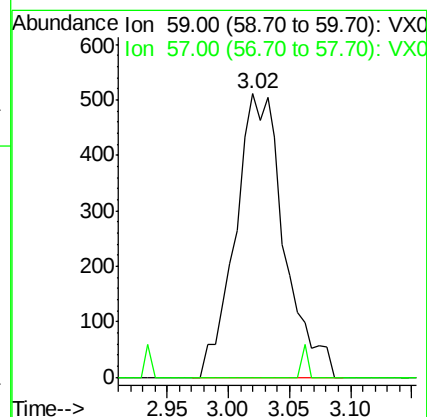
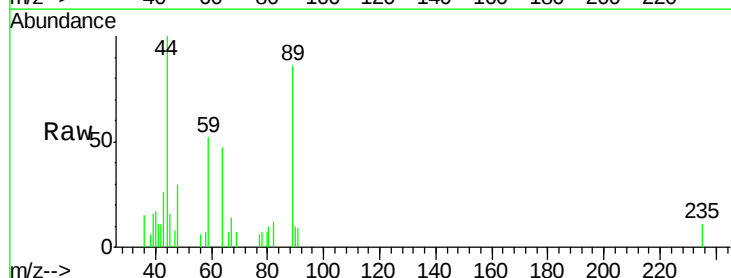
Instrument :
MSVOA_X
ClientSampleId :
KY067MW013-180507

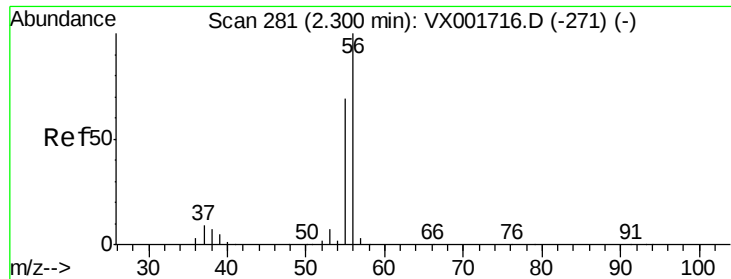
Tgt Ion:142 Resp: 1240
Ion Ratio Lower Upper
142 100
127 35.4 32.5 48.7
141 4.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.04 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX001771.D
Acq: 16 May 2018 18:17

Tgt Ion: 59 Resp: 1414
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.26 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001771.D

Acq: 16 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

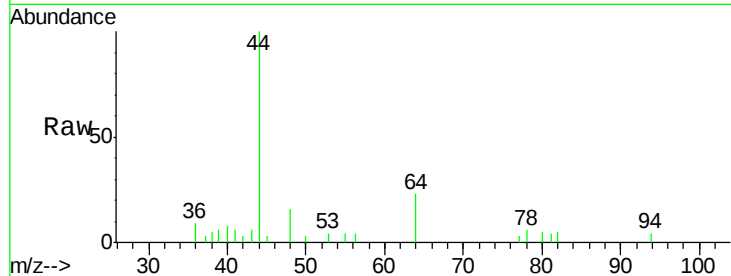
KY067MW013-180507

Tgt Ion: 56 Resp: 126

Ion Ratio Lower Upper

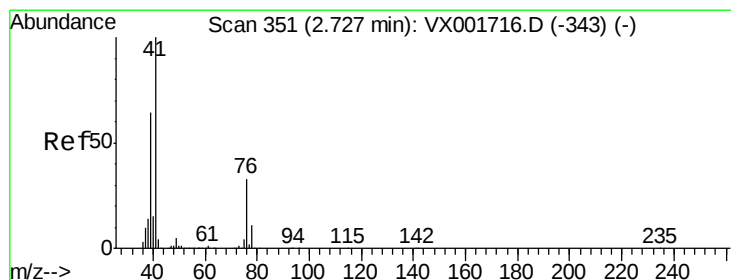
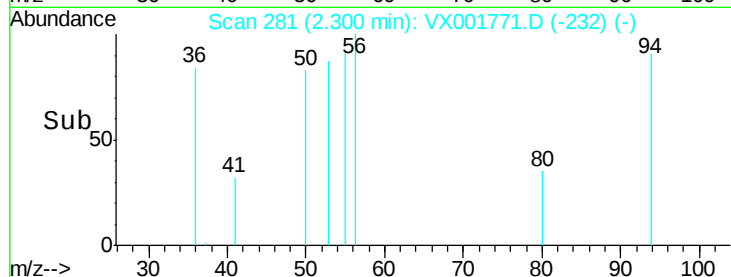
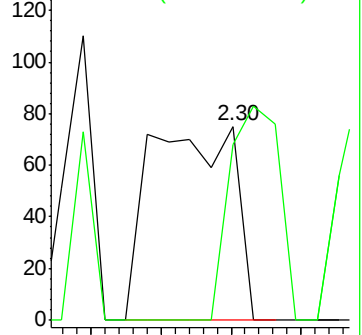
56 100

55 65.9 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.32 ug/l

RT: 2.63 min Scan# 335

Delta R.T. -0.10 min

Lab File: VX001771.D

Acq: 16 May 2018 18:17

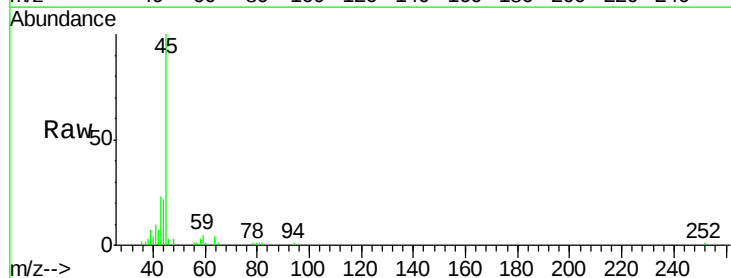
Tgt Ion: 41 Resp: 1701

Ion Ratio Lower Upper

41 100

39 84.1 49.8 74.6#

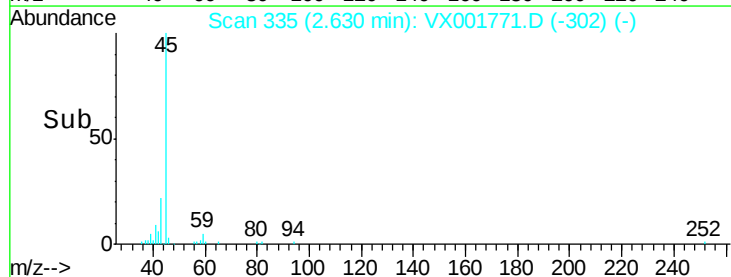
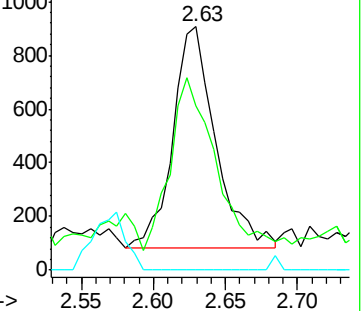
76 0.0 25.8 38.8#

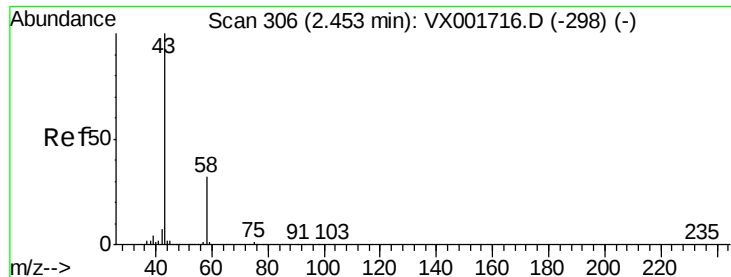


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 0.86 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001771.D

Acq: 16 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

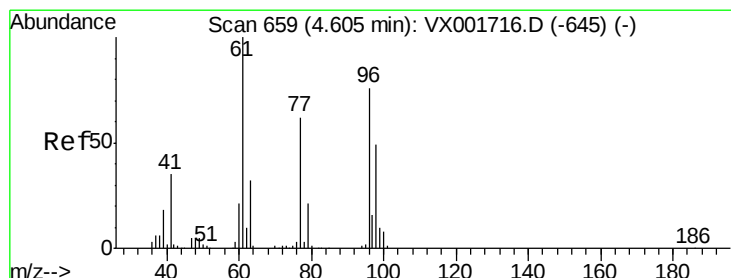
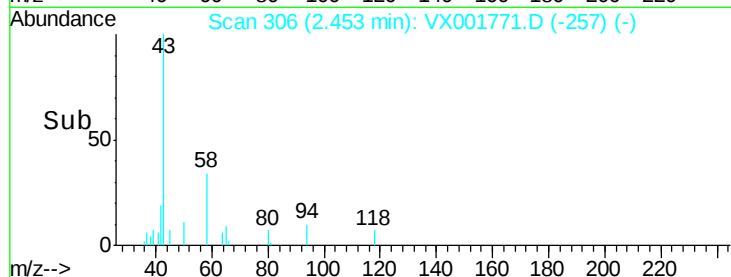
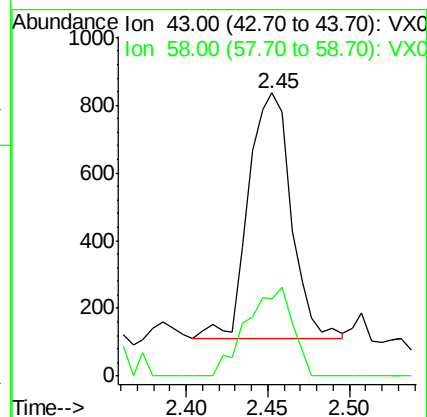
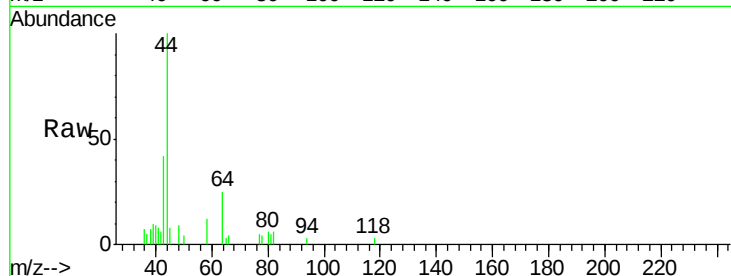
KY067MW013-180507

Tgt Ion: 43 Resp: 1325

Ion Ratio Lower Upper

43 100

58 31.4 25.3 37.9



#27

cis-1,2-Dichloroethene

Concen: 8.40 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001771.D

Acq: 16 May 2018 18:17

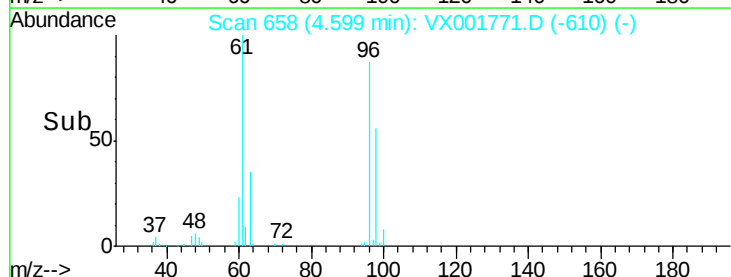
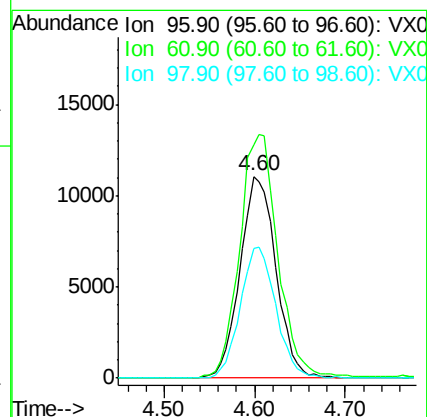
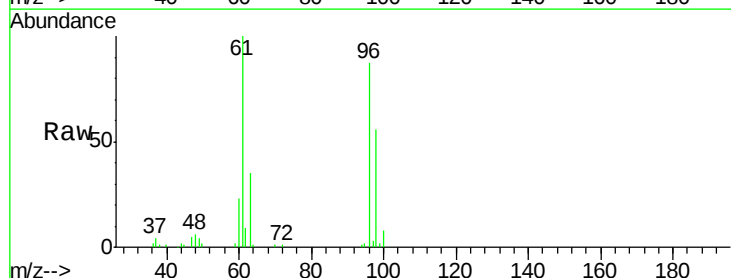
Tgt Ion: 96 Resp: 30342

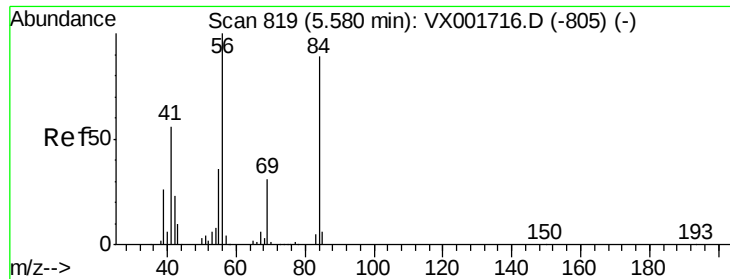
Ion Ratio Lower Upper

96 100

61 128.9 0.0 280.4

98 64.4 0.0 128.4

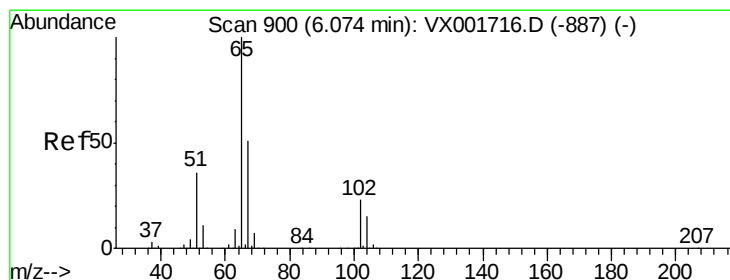
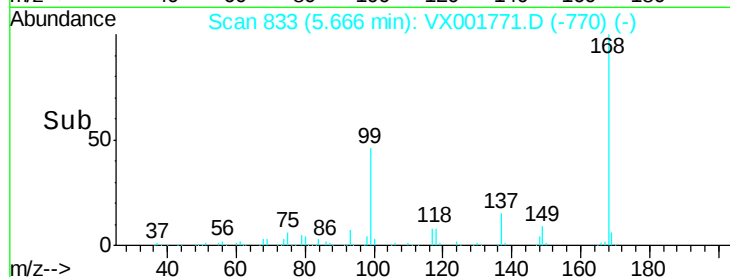
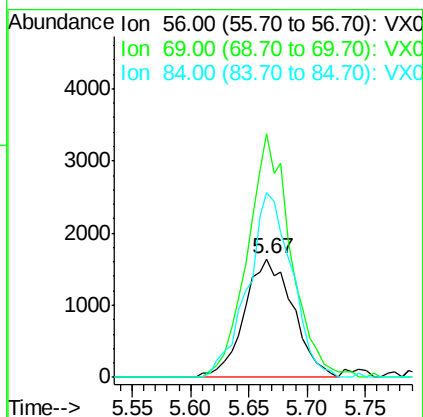
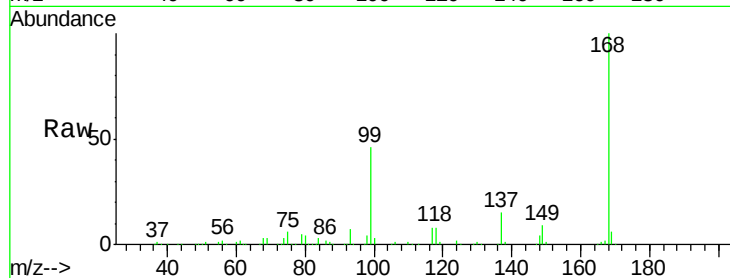




#31
Cyclohexane
Concen: 0.97 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001771.D
Acq: 16 May 2018 18:17

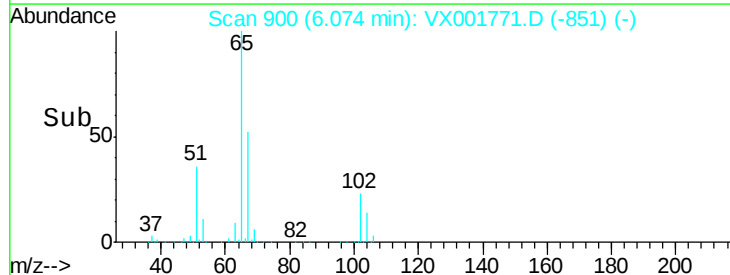
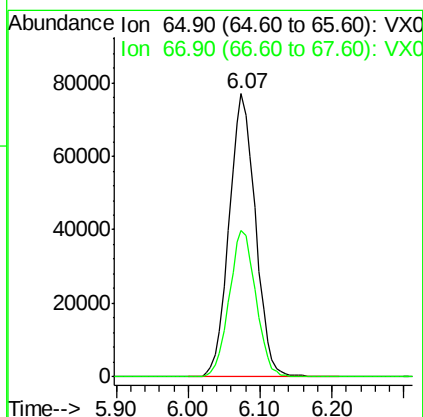
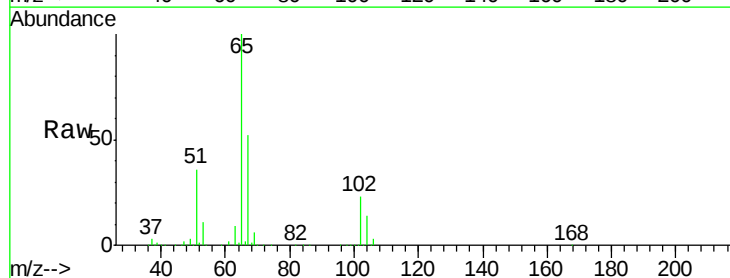
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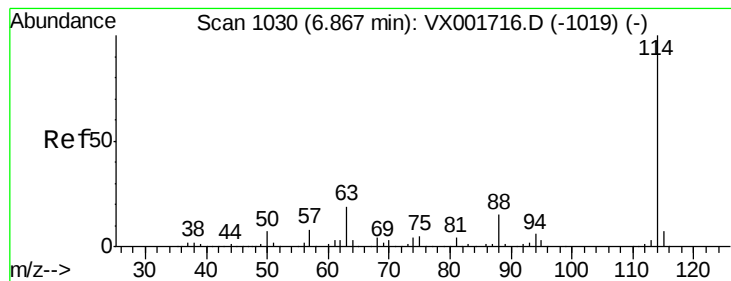
Tgt Ion: 56 Resp: 4777
Ion Ratio Lower Upper
56 100
69 206.0 25.0 37.6#
84 156.3 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 50.13 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001771.D
Acq: 16 May 2018 18:17

Tgt Ion: 65 Resp: 195851
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001771.D

Acq: 16 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

KY067MW013-180507

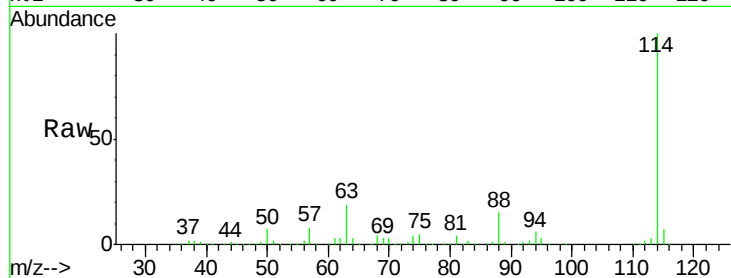
Tgt Ion:114 Resp: 396680

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.0

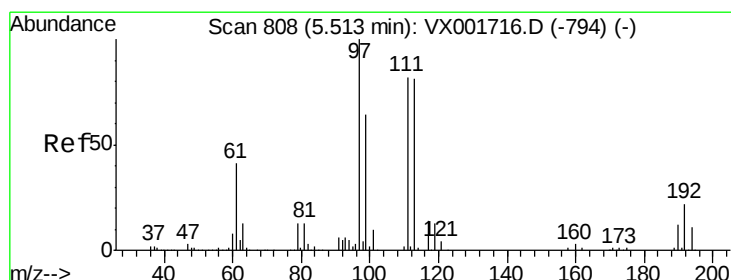
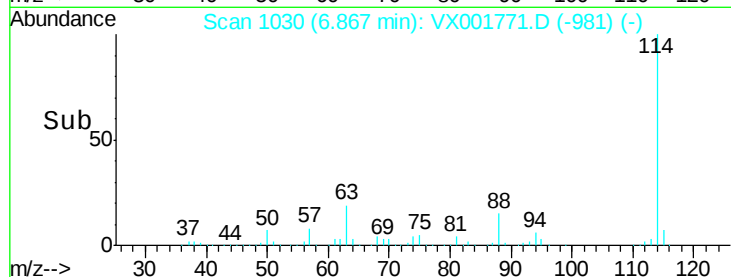
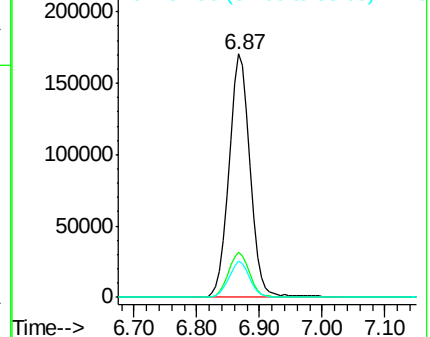
88 15.1 0.0 29.8



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: 47.89 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001771.D

Acq: 16 May 2018 18:17

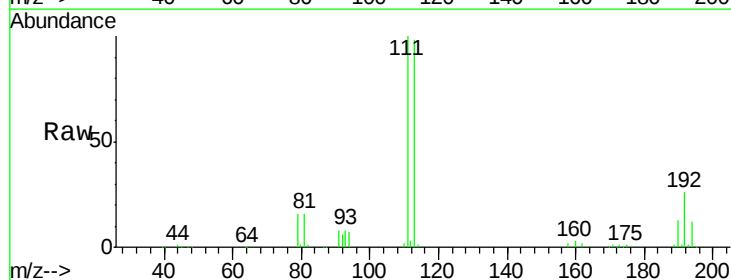
Tgt Ion:113 Resp: 160332

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

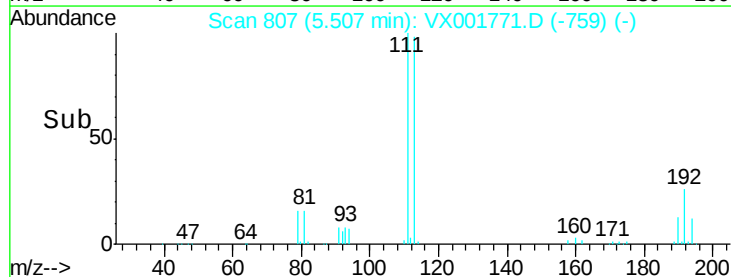
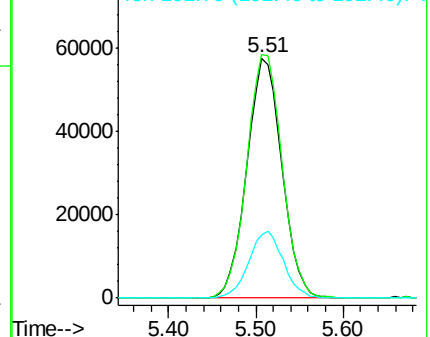
192 27.5 21.6 32.4

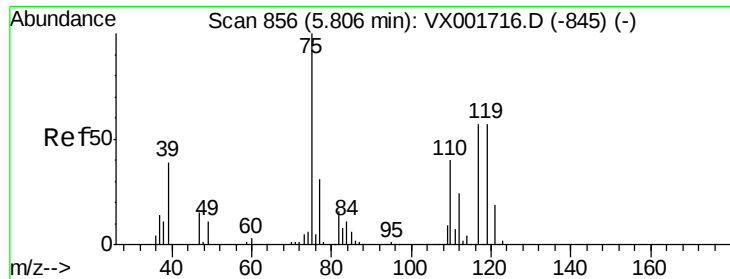


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

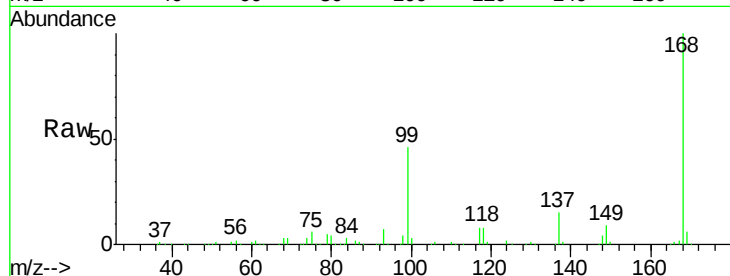




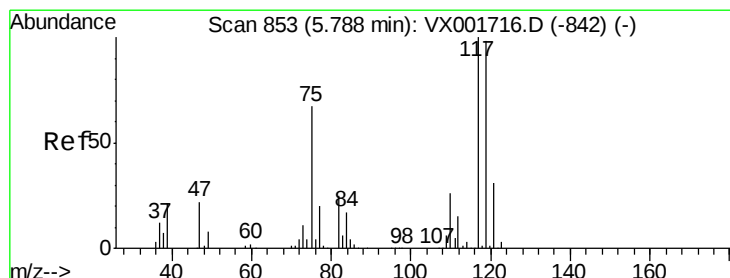
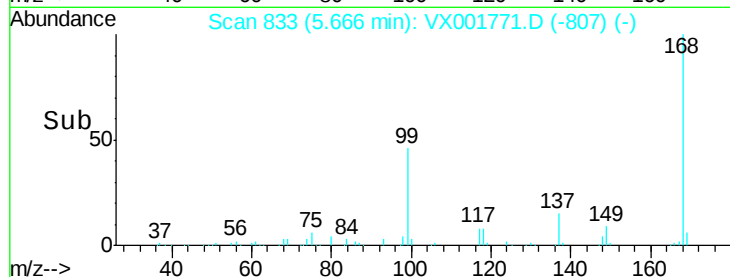
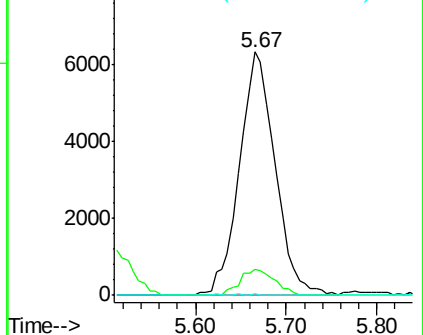
#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001771.D
 Acq: 16 May 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
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Tgt Ion: 75 Resp: 17212
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.1 57.1#
 77 0.1 24.6 37.0#

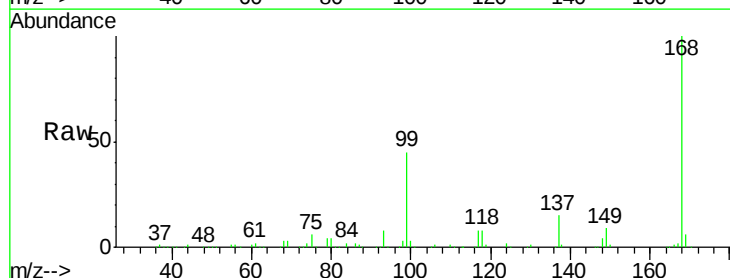


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

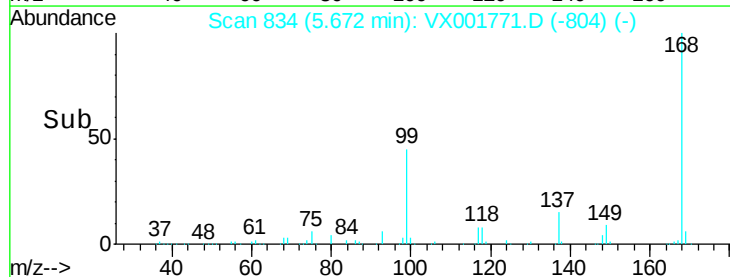
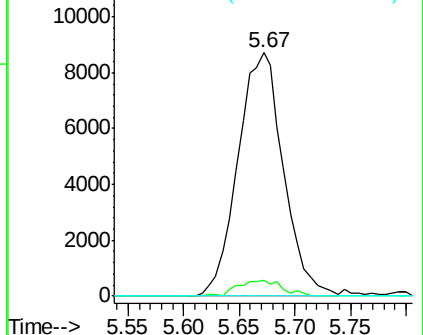


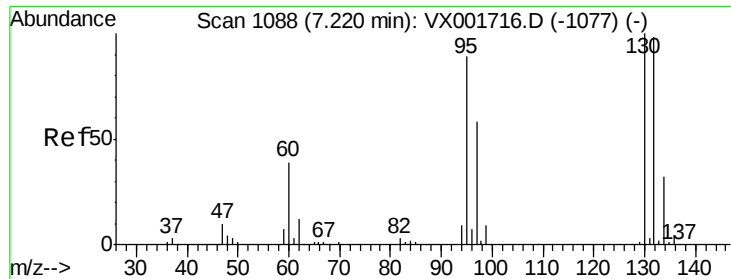
#38
 Carbon Tetrachloride
 Concen: 5.16 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001771.D
 Acq: 16 May 2018 18:17

Tgt Ion: 117 Resp: 24700
 Ion Ratio Lower Upper
 117 100
 119 6.6 77.6 116.4#
 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: 0.85 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001771.D

Acq: 16 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

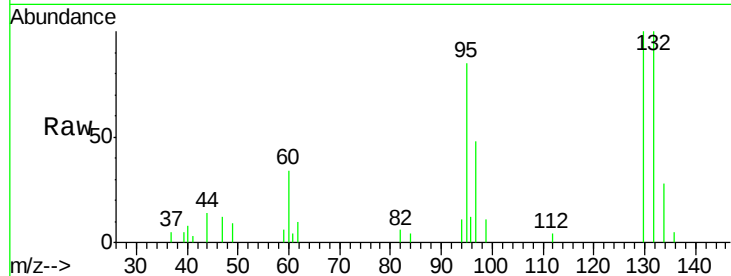
KY067MW013-180507

Tgt Ion:130 Resp: 3535

Ion Ratio Lower Upper

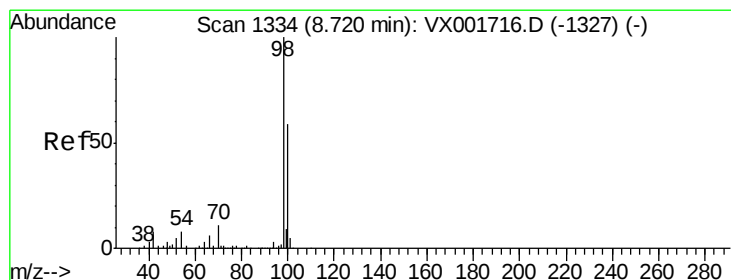
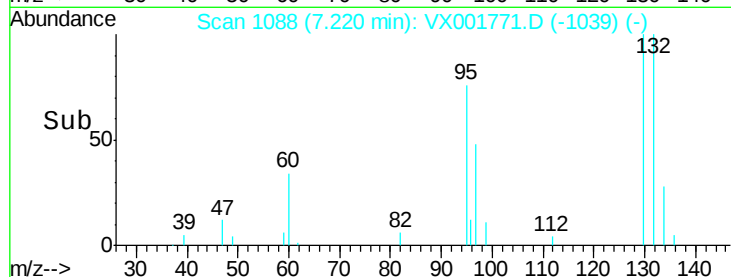
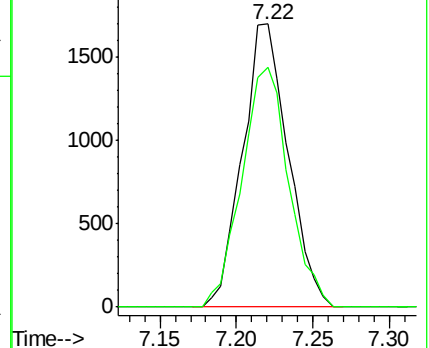
130 100

95 84.8 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: 47.51 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001771.D

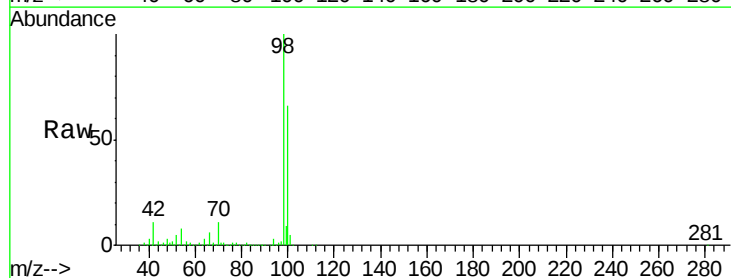
Acq: 16 May 2018 18:17

Tgt Ion: 98 Resp: 569656

Ion Ratio Lower Upper

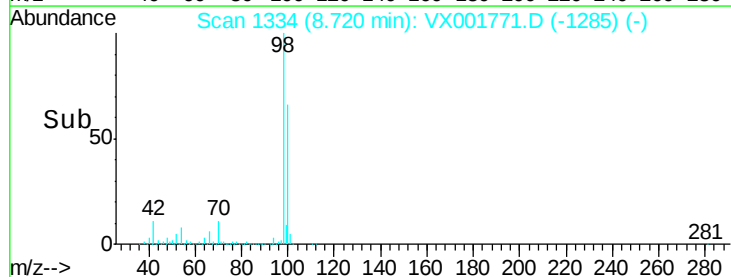
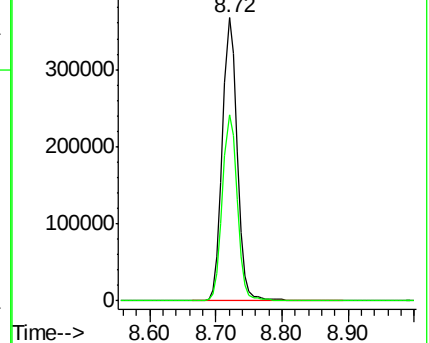
98 100

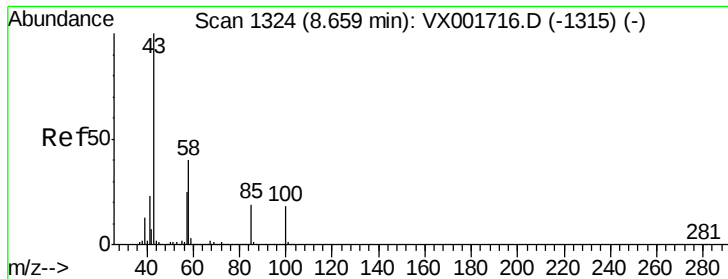
100 66.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

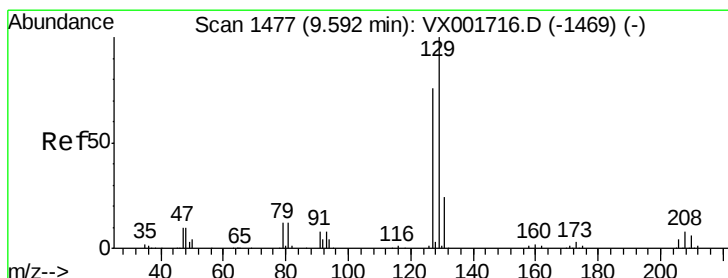
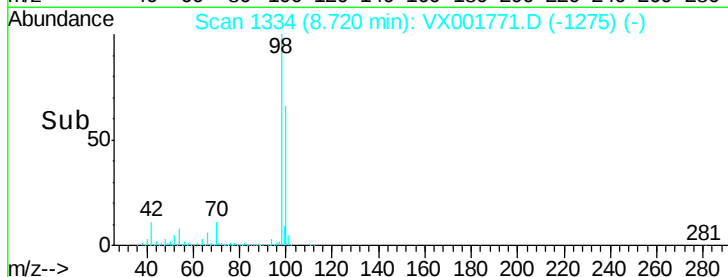
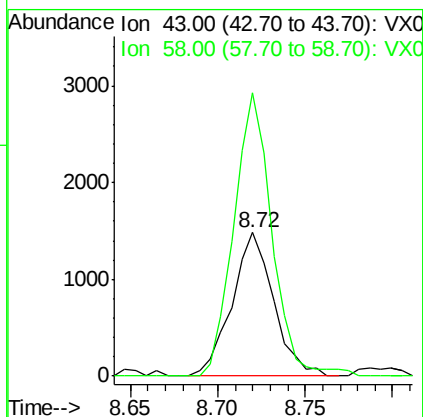
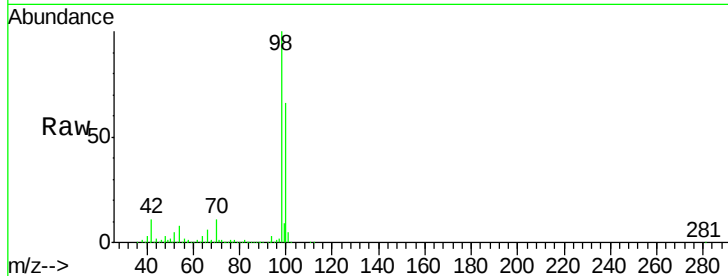




#51
 4-Methyl-2-Pentanone
 Concen: 0.52 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.06 min
 Lab File: VX001771.D
 Acq: 16 May 2018 18:17

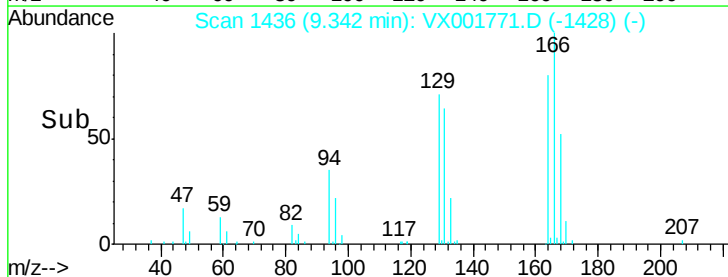
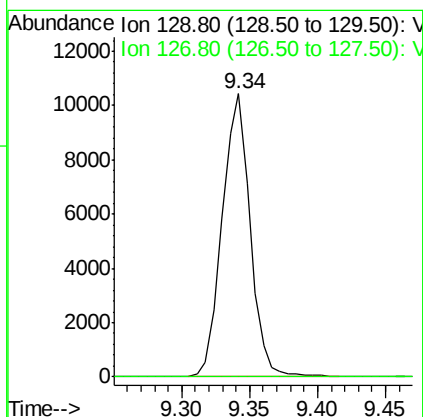
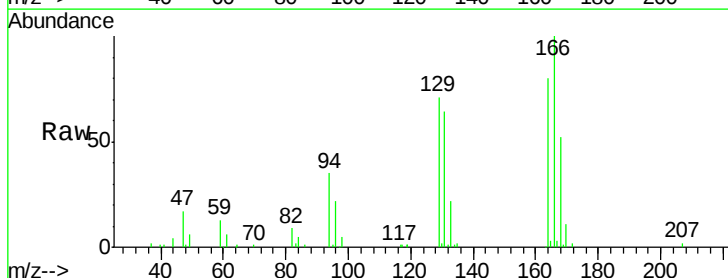
Instrument :
 MSVOA_X
 ClientSampleId :
 KY067MW013-180507

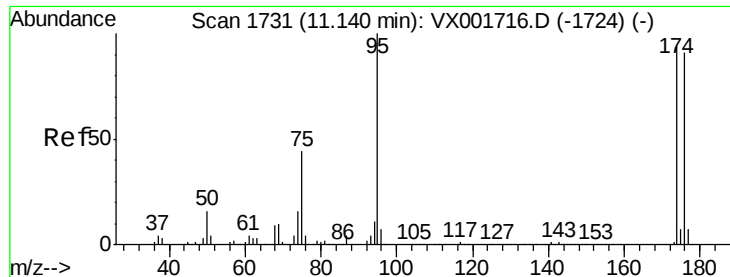
Tgt Ion: 43 Resp: 2457
 Ion Ratio Lower Upper
 43 100
 58 180.2 31.4 47.0#



#60
 Dibromochloromethane
 Concen: 4.40 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001771.D
 Acq: 16 May 2018 18:17

Tgt Ion: 129 Resp: 14879
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#

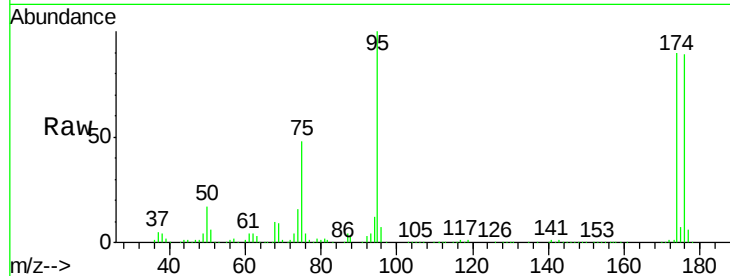




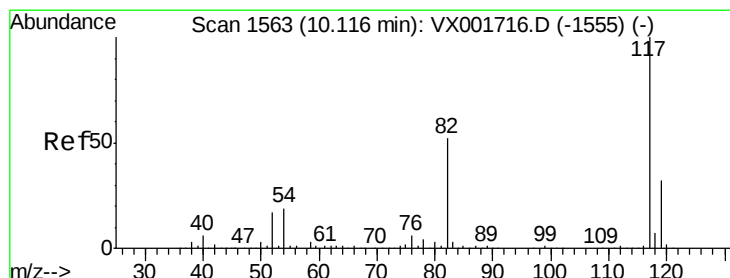
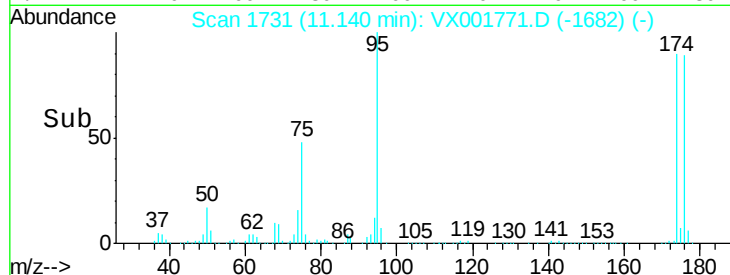
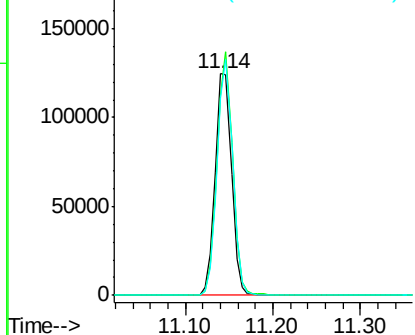
#62
4-Bromofluorobenzene
Concen: 37.67 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001771.D
Acq: 16 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
KY067MW013-180507

Tgt Ion: 95 Resp: 162613
Ion Ratio Lower Upper
95 100
174 102.9 0.0 201.8
176 100.4 0.0 196.8

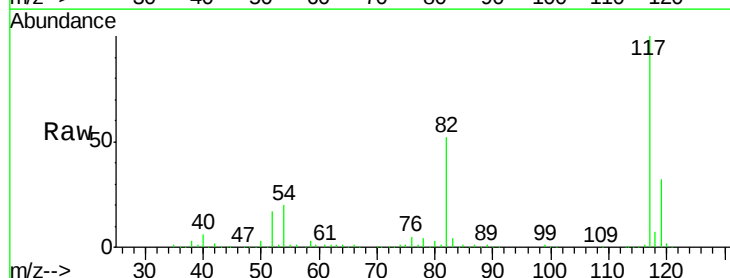


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

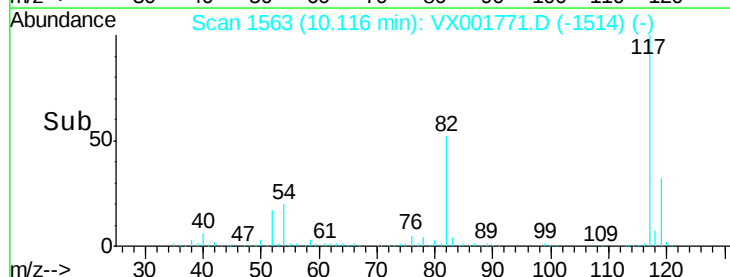
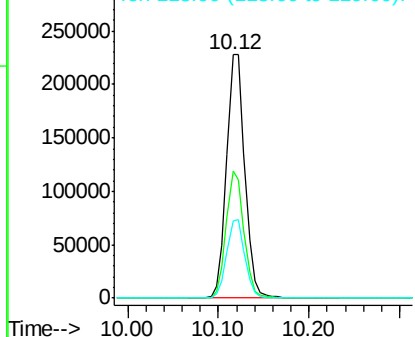


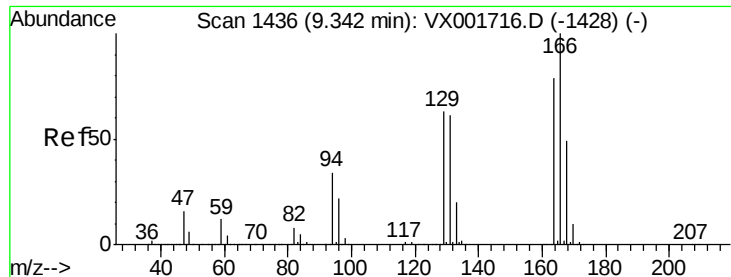
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001771.D
Acq: 16 May 2018 18:17

Tgt Ion: 117 Resp: 320638
Ion Ratio Lower Upper
117 100
82 52.0 41.4 62.2
119 31.8 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 4.18 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001771.D

Acq: 16 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

KY067MW013-180507

Tgt Ion:164 Resp: 17442

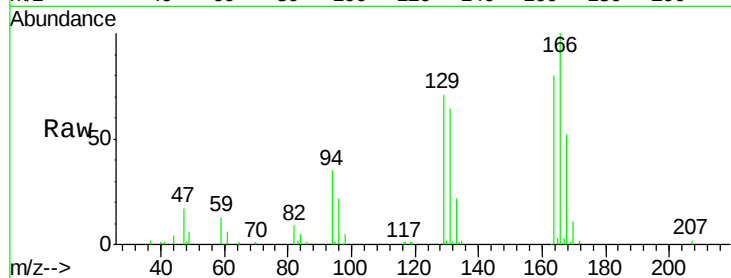
Ion Ratio Lower Upper

164 100

166 125.3 101.8 152.8

129 89.4 63.8 95.6

131 80.7 62.2 93.2

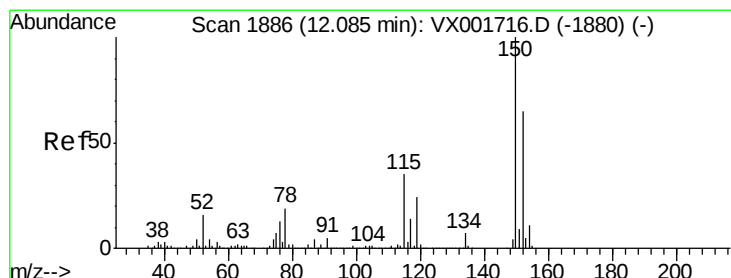
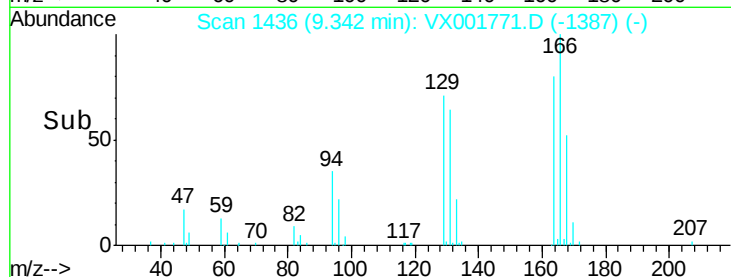
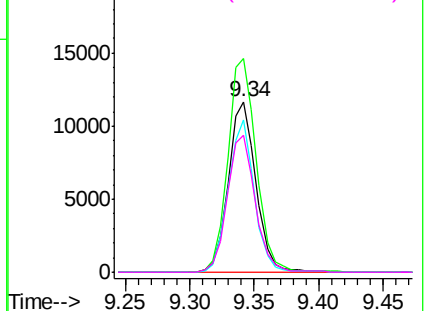


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001771.D

Acq: 16 May 2018 18:17

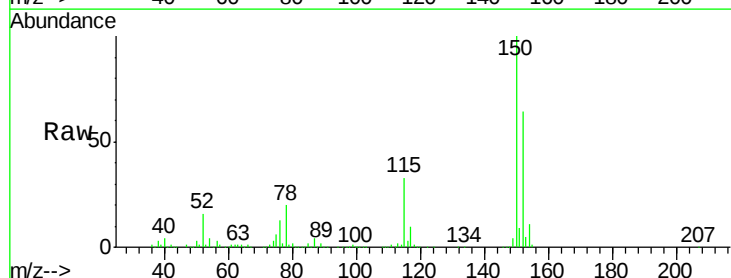
Tgt Ion:152 Resp: 162017

Ion Ratio Lower Upper

152 100

115 51.8 37.4 112.2

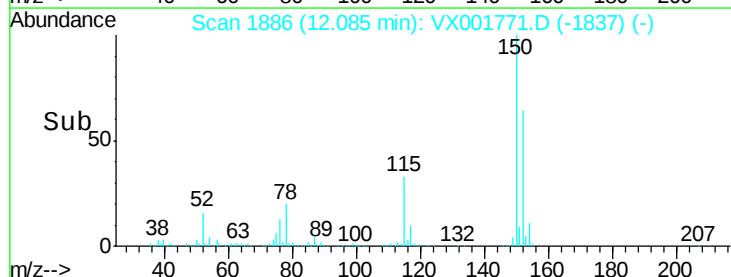
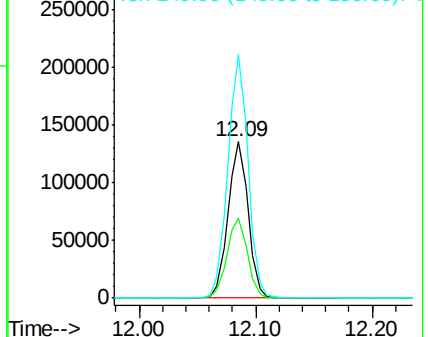
150 156.7 0.0 344.8

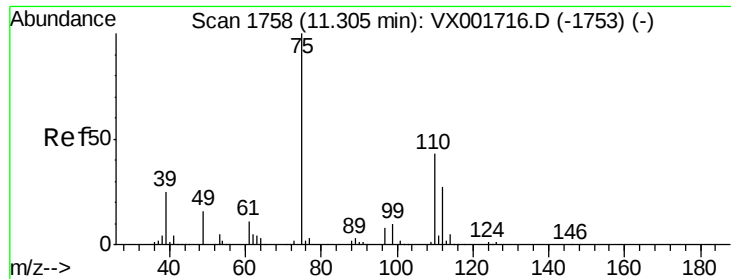


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

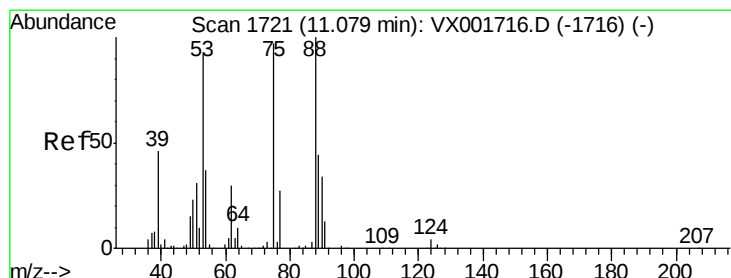
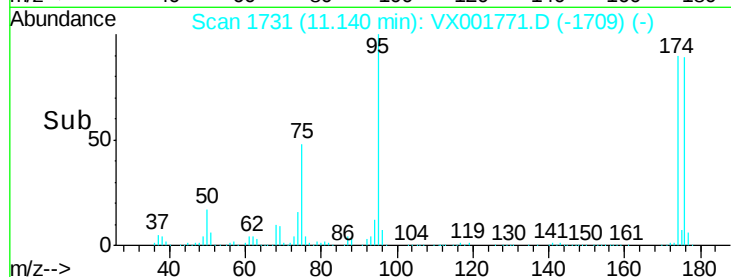
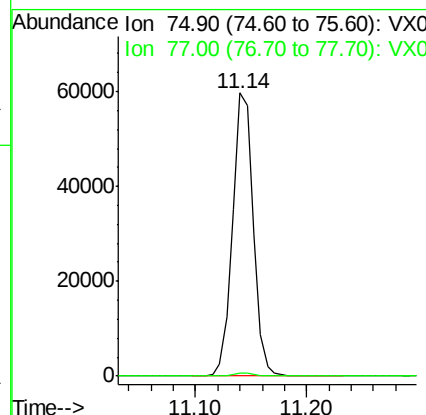
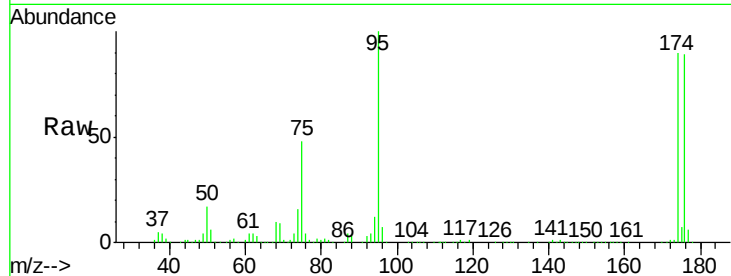




#76
 1,2,3-Trichloropropane
 Concen: 24.98 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001771.D
 Acq: 16 May 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 KY067MW013-180507

Tgt Ion: 75 Resp: 76948
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.82 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001771.D
 Acq: 16 May 2018 18:17

Tgt Ion: 75 Resp: 76948
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#

