

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051618\
 Data File : VX001776.D
 Acq On : 16 May 2018 20:31
 Operator : JC/MD
 Sample : J2853-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY074MW061-180507

Quant Time: May 17 02:59:00 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	275333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	370683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	145139	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	208827	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	
35) Dibromofluoromethane	5.51	113	174633	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
50) Toluene-d8	8.72	98	620879	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
62) 4-Bromofluorobenzene	11.14	95	174399	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	

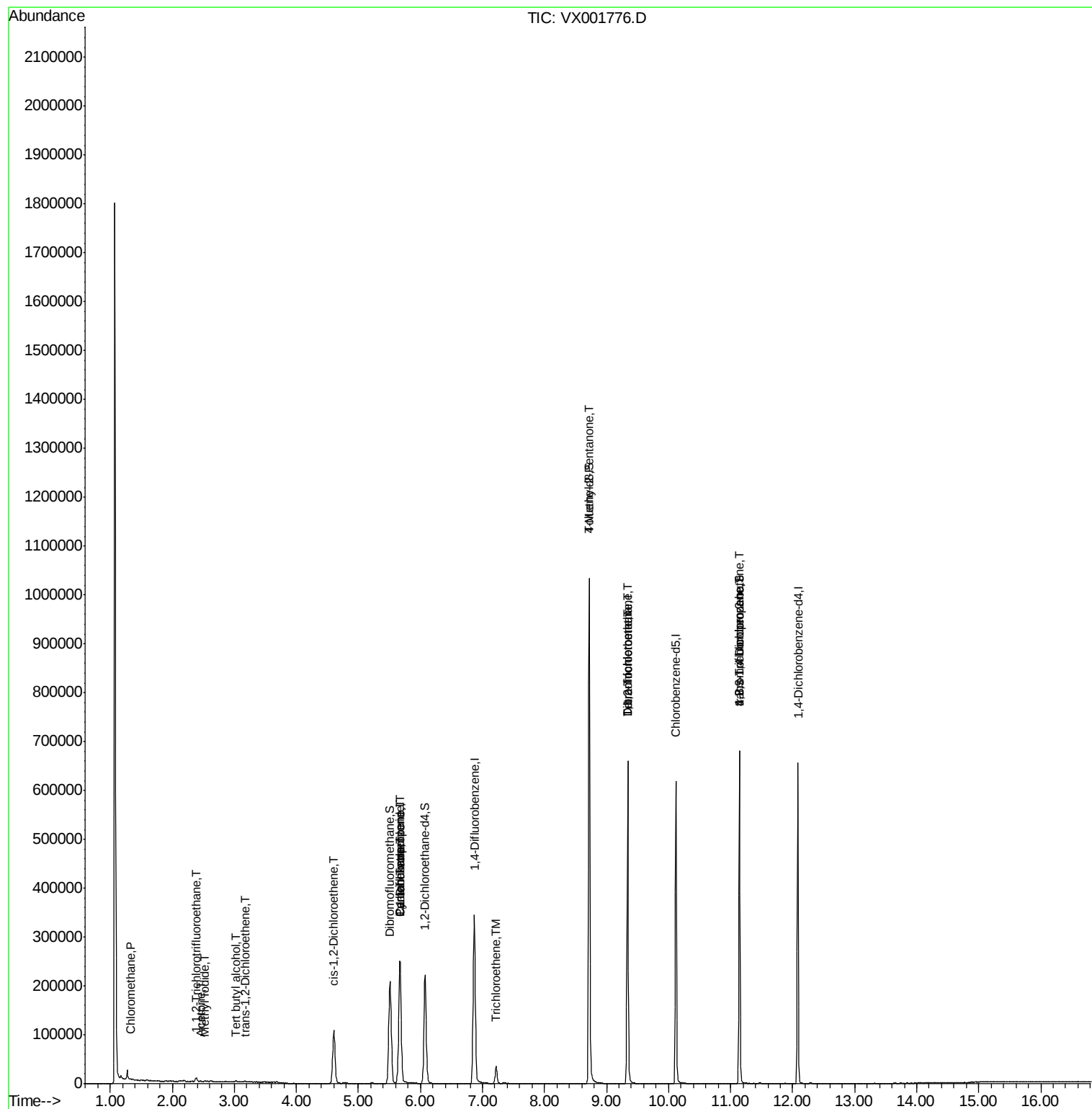
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	820	0.27	ug/l	94
5) Bromomethane	1.65	94	1056	Below	Cal	82
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3052	1.08	ug/l	96
10) Methyl Iodide	2.53	142	879	0.34	ug/l #	82
11) Tert butyl alcohol	3.01	59	1123	1.71	ug/l #	72
16) Acetone	2.45	43	1624	1.12	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	828	0.28	ug/l #	80
27) cis-1,2-Dichloroethene	4.60	96	70166	20.57	ug/l	92
31) Cyclohexane	5.67	56	4095	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16418	3.85	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22600	5.06	ug/l #	17
44) Trichloroethene	7.22	130	14408	3.69	ug/l	94
51) 4-Methyl-2-Pentanone	8.72	43	2630	0.60	ug/l #	1
55) 1,1,2-Trichloroethane	9.34	97	983	0.32	ug/l #	17
60) Dibromochloromethane	9.34	129	121532	38.43	ug/l #	11
64) Tetrachloroethene	9.34	164	146599	37.12	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	82406	29.86	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	82406	86.40	ug/l #	10

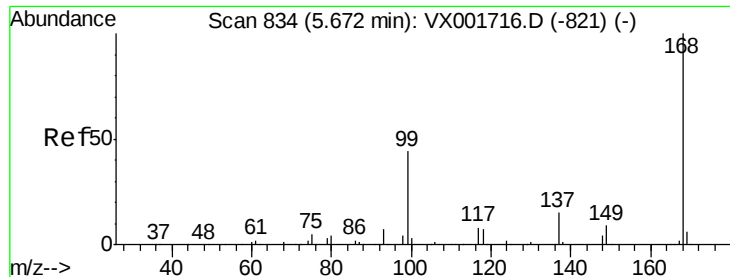
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001776.D

Acq: 16 May 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

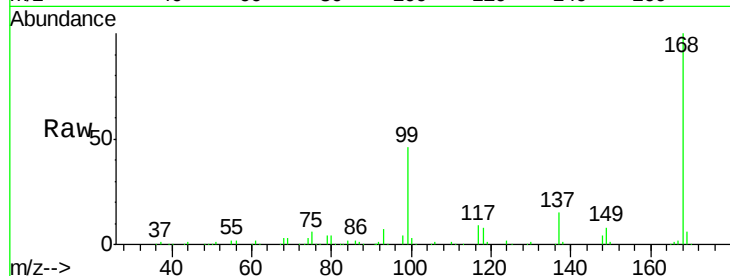
KY074MW061-180507

Tgt Ion:168 Resp: 275333

Ion Ratio Lower Upper

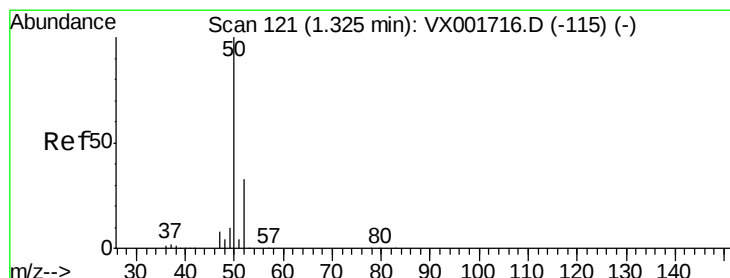
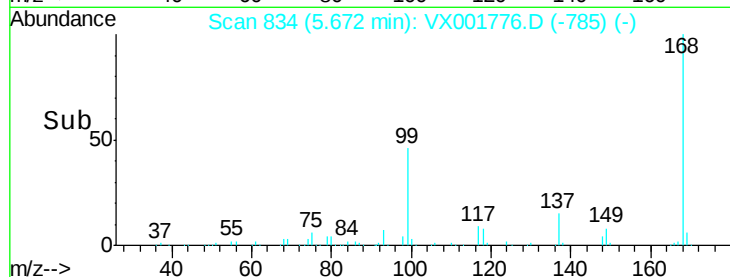
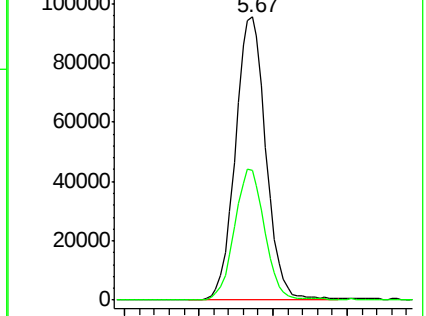
168 100

99 45.8 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.27 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001776.D

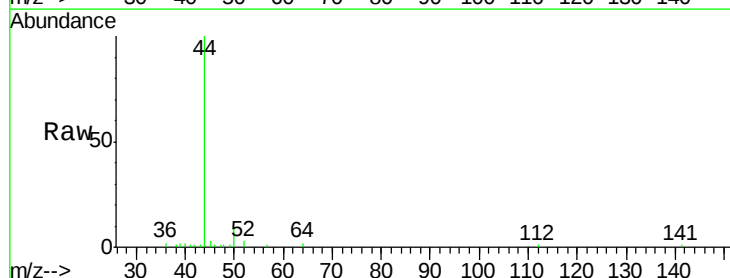
Acq: 16 May 2018 20:31

Tgt Ion: 50 Resp: 820

Ion Ratio Lower Upper

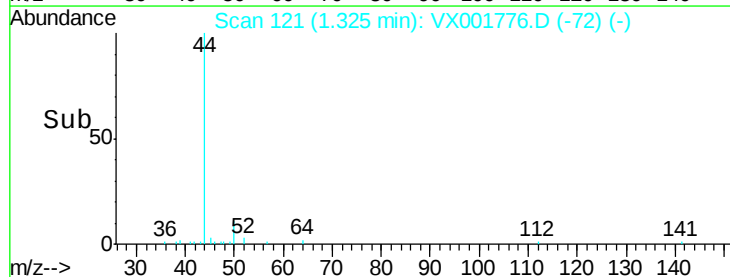
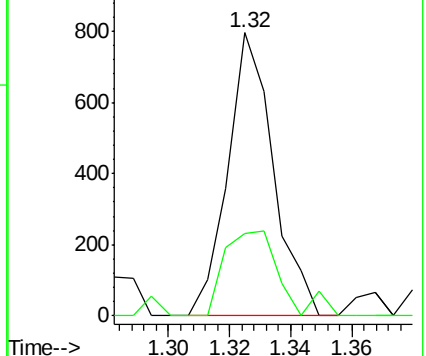
50 100

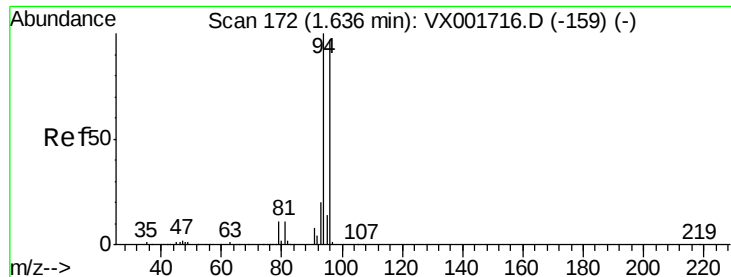
52 29.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001776.D

Acq: 16 May 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

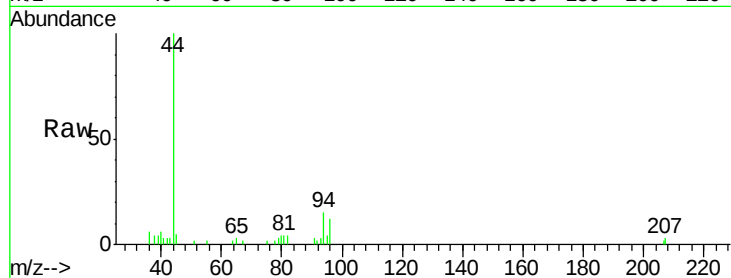
KY074MW061-180507

Tgt Ion: 94 Resp: 1056

Ion Ratio Lower Upper

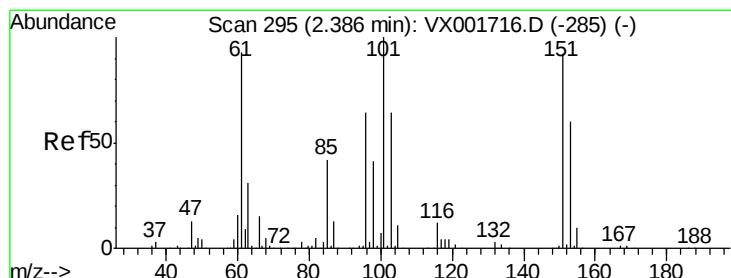
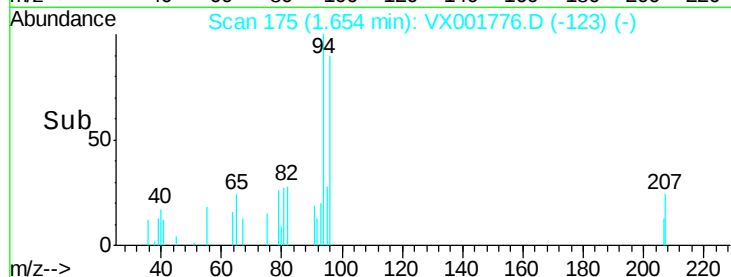
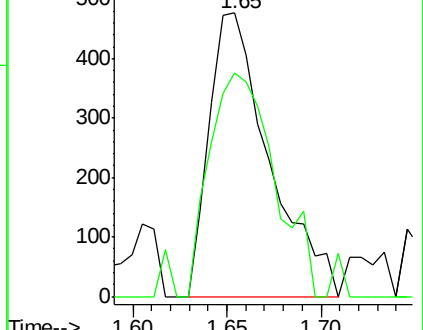
94 100

96 78.6 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX001776.D (-123) (-)

Ion 95.90 (95.60 to 96.60): VX001776.D (-123) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.08 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001776.D

Acq: 16 May 2018 20:31

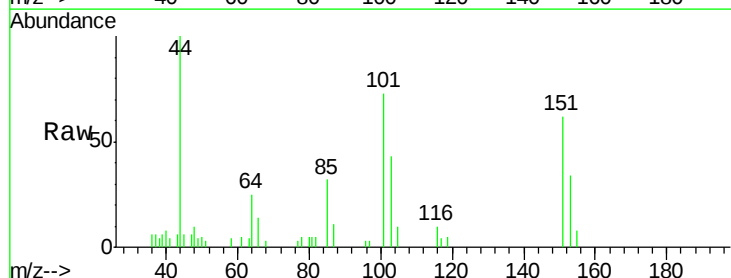
Tgt Ion: 101 Resp: 3052

Ion Ratio Lower Upper

101 100

85 40.5 33.7 50.5

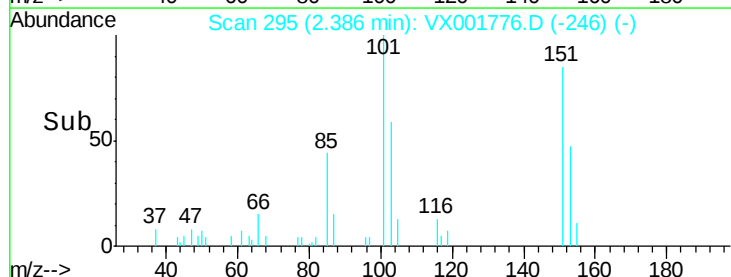
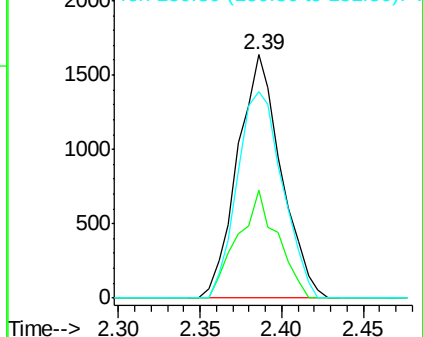
151 87.5 73.0 109.6

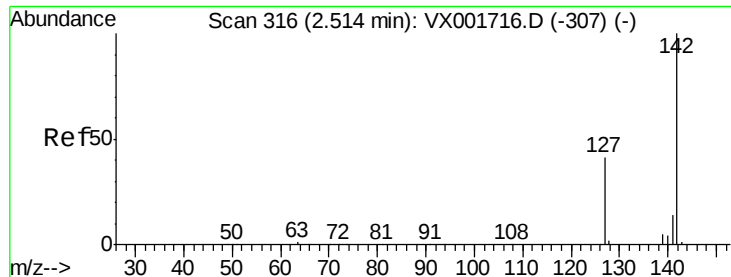


Abundance Ion 100.90 (100.60 to 101.60): VX001776.D (-246) (-)

Ion 84.90 (84.60 to 85.60): VX001776.D (-246) (-)

Ion 150.80 (150.50 to 151.50): VX001776.D (-246) (-)

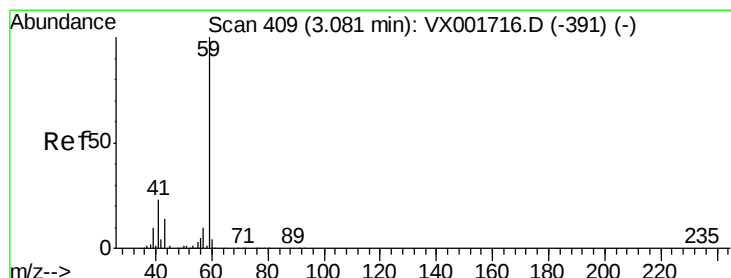
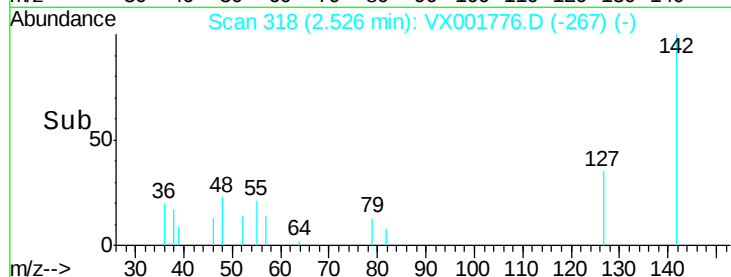
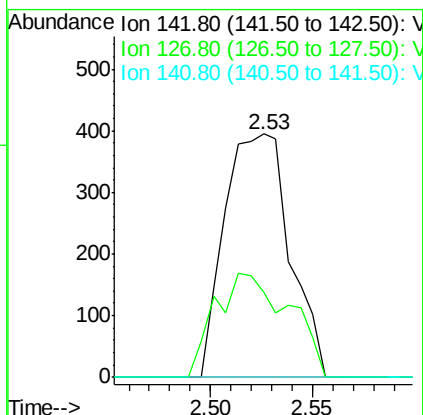
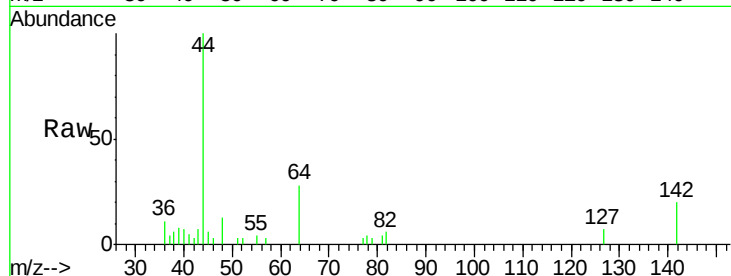




#10
Methyl Iodide
Concen: 0.34 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001776.D
Acq: 16 May 2018 20:31

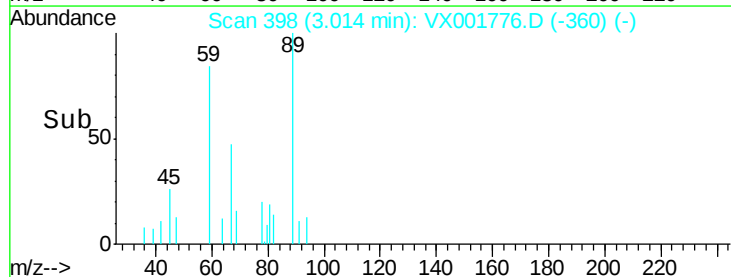
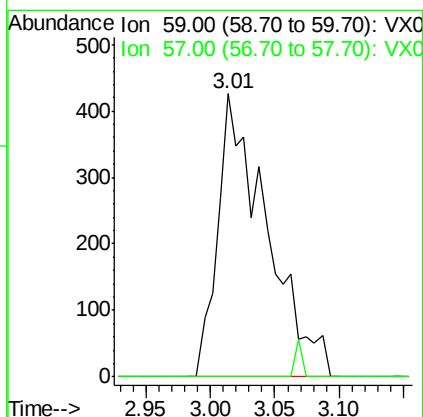
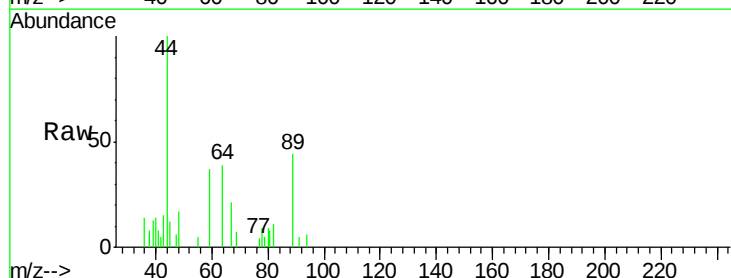
Instrument :
MSVOA_X
ClientSampleId :
KY074MW061-180507

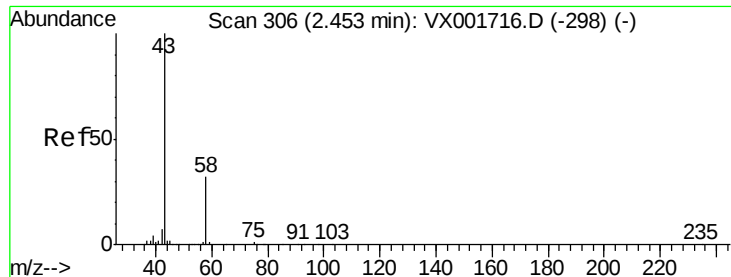
Tgt Ion: 142 Resp: 879
Ion Ratio Lower Upper
142 100
127 48.4 32.5 48.7
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.71 ug/l
RT: 3.01 min Scan# 398
Delta R.T. -0.07 min
Lab File: VX001776.D
Acq: 16 May 2018 20:31

Tgt Ion: 59 Resp: 1123
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 1.12 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001776.D

Acq: 16 May 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

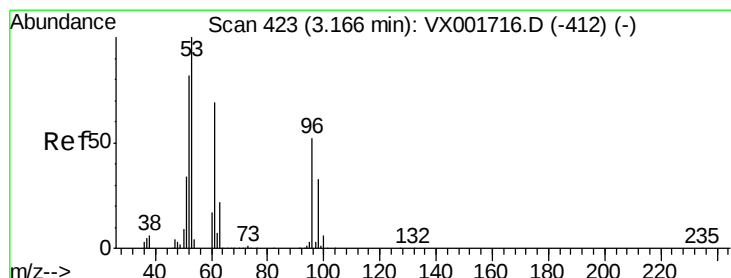
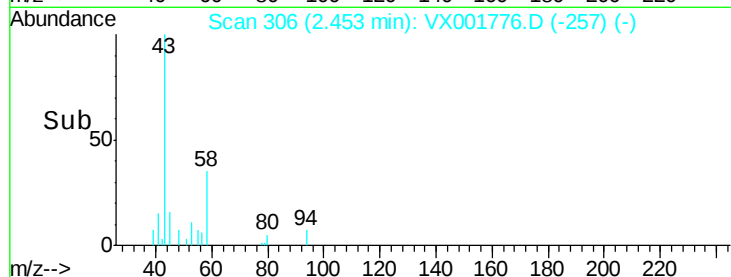
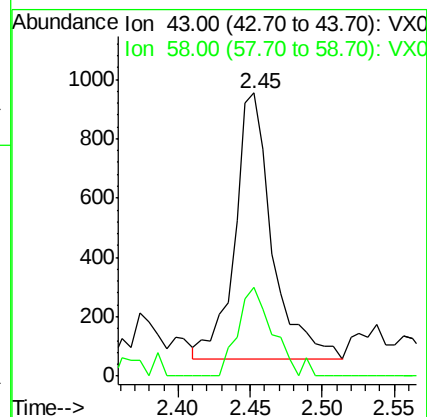
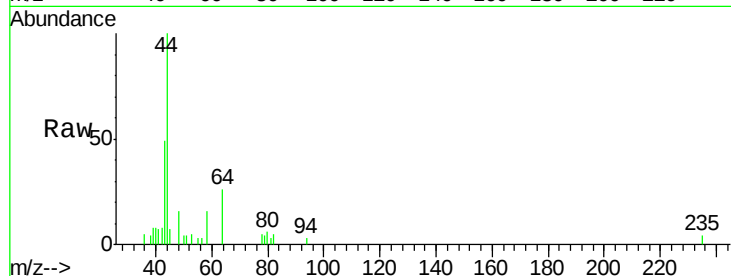
KY074MW061-180507

Tgt Ion: 43 Resp: 1624

Ion Ratio Lower Upper

43 100

58 33.3 25.3 37.9



#21

trans-1,2-Dichloroethene

Concen: 0.28 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001776.D

Acq: 16 May 2018 20:31

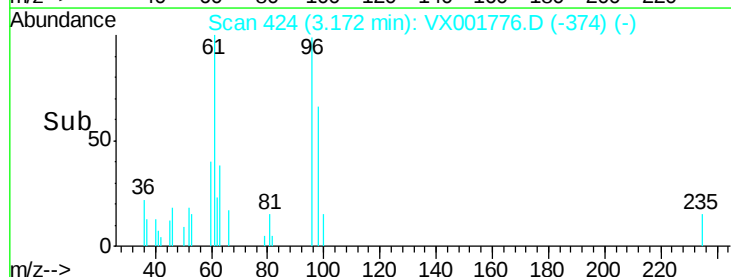
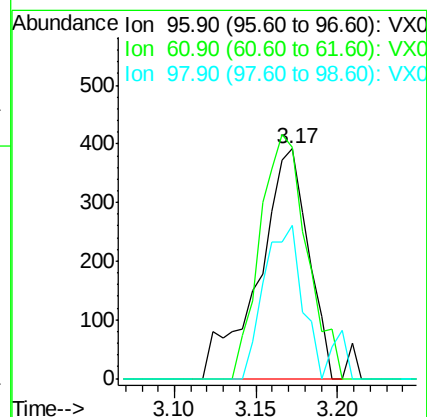
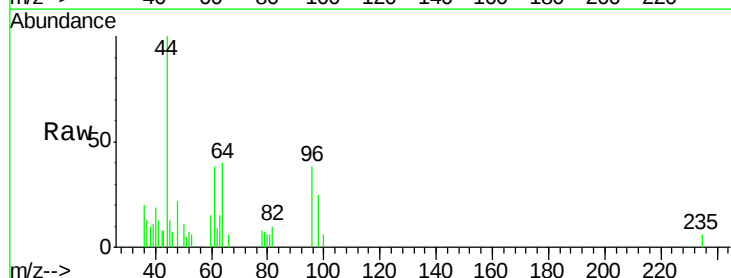
Tgt Ion: 96 Resp: 828

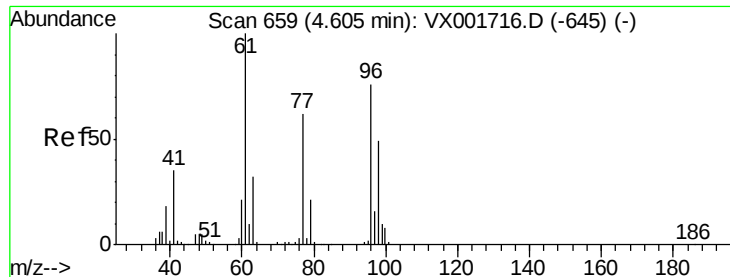
Ion Ratio Lower Upper

96 100

61 100.8 105.8 158.8#

98 66.5 50.2 75.4





#27

cis-1,2-Dichloroethene

Concen: 20.57 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001776.D

Acq: 16 May 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

KY074MW061-180507

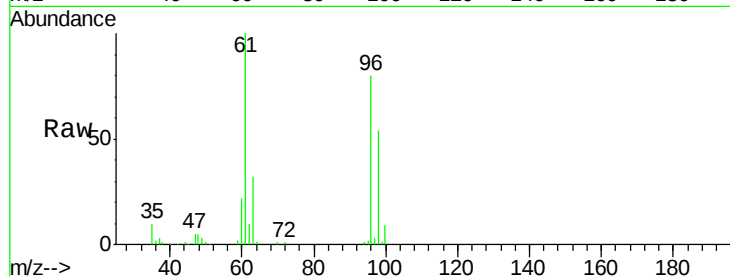
Tgt Ion: 96 Resp: 70166

Ion Ratio Lower Upper

96 100

61 125.8 0.0 280.4

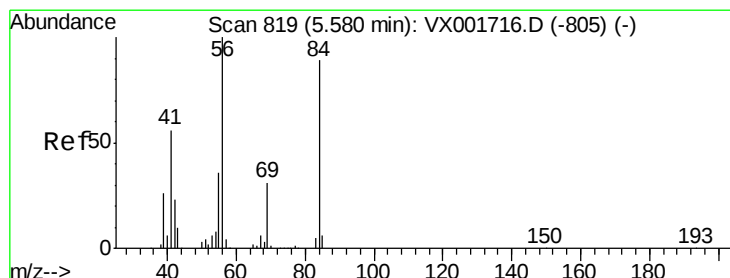
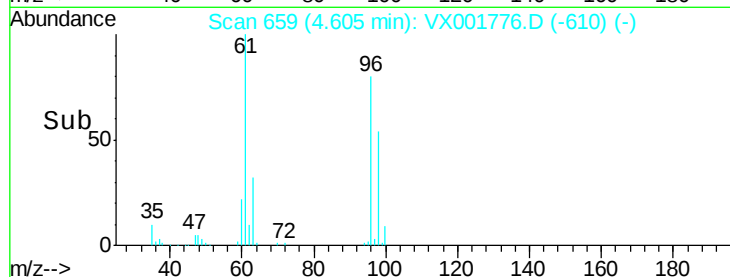
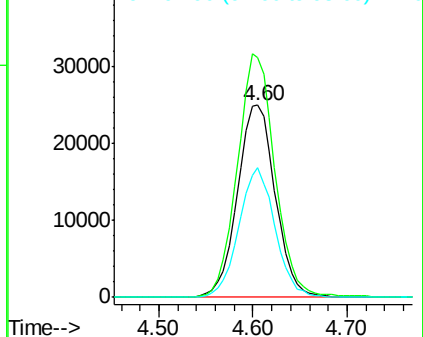
98 64.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001776.D

Acq: 16 May 2018 20:31

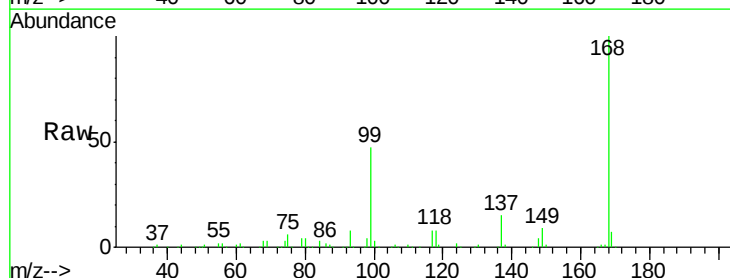
Tgt Ion: 56 Resp: 4095

Ion Ratio Lower Upper

56 100

69 193.5 25.0 37.6#

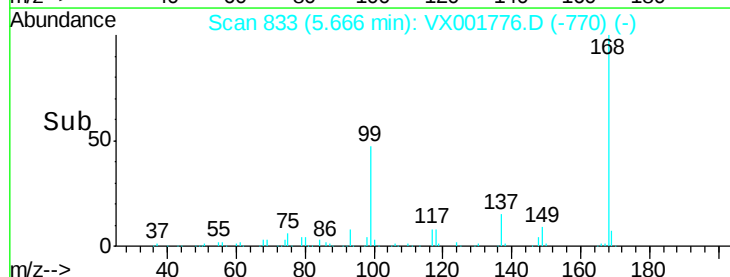
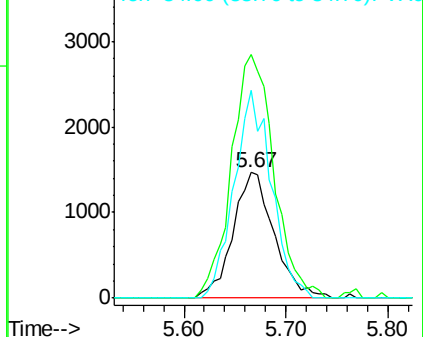
84 165.2 71.0 106.4#

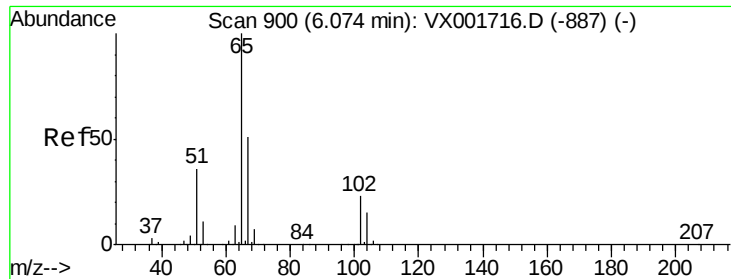


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 56.58 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001776.D

Acq: 16 May 2018 20:31

Instrument :

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ClientSampleId :

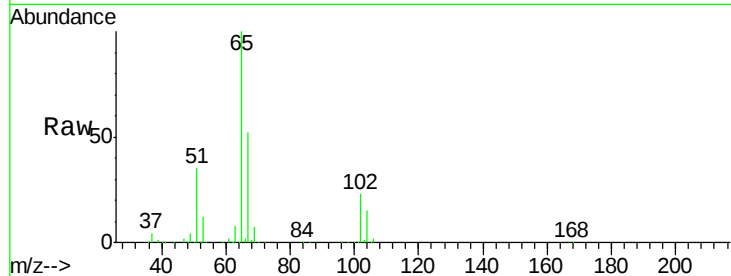
KY074MW061-180507

Tgt Ion: 65 Resp: 208827

Ion Ratio Lower Upper

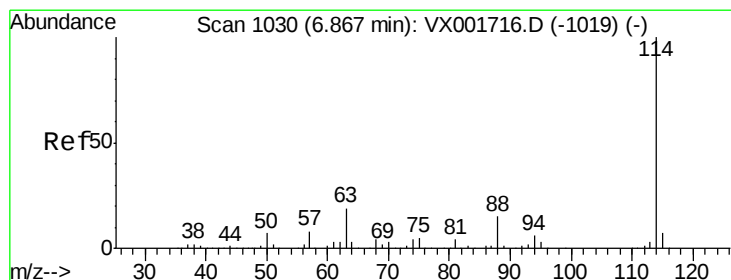
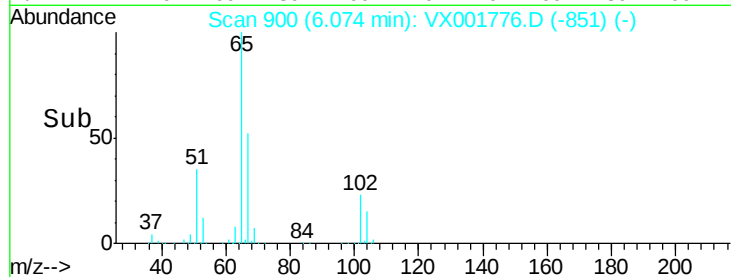
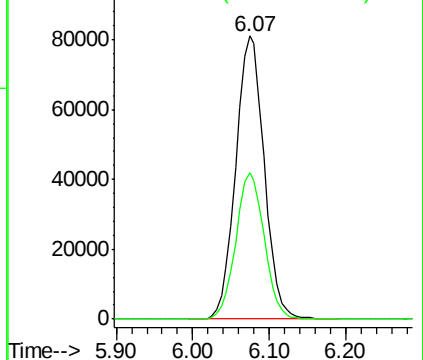
65 100

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: VX001776.D

Acq: 16 May 2018 20:31

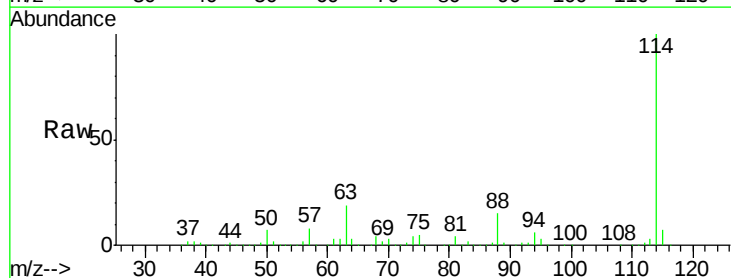
Tgt Ion: 114 Resp: 370683

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.0

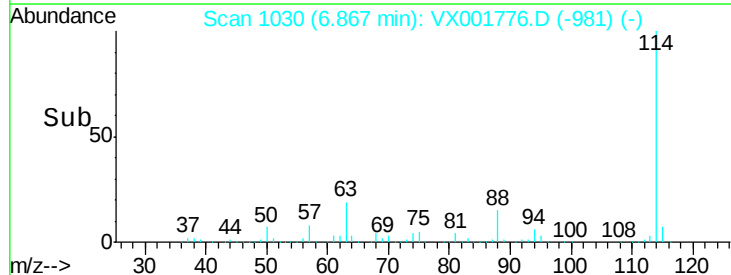
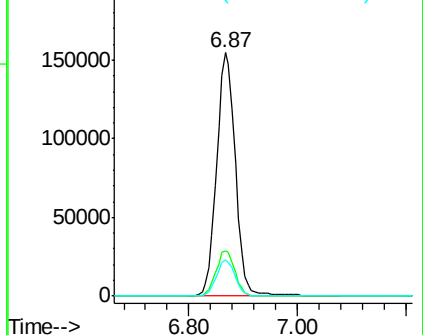
88 14.6 0.0 29.8

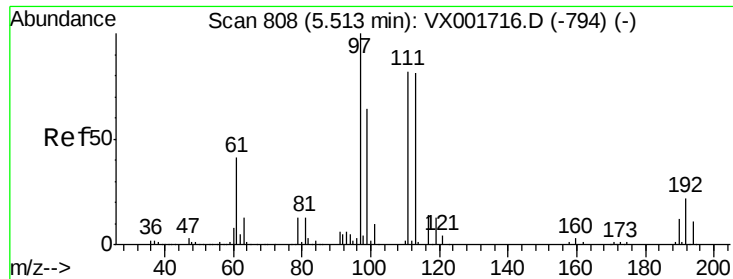


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

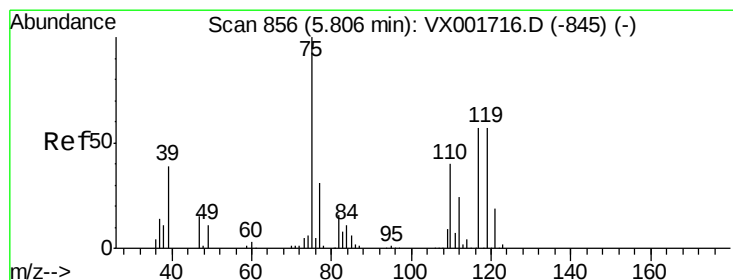
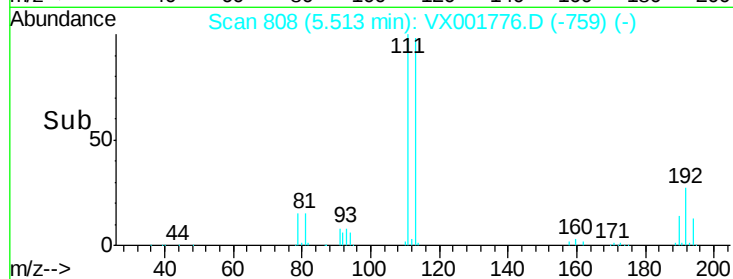
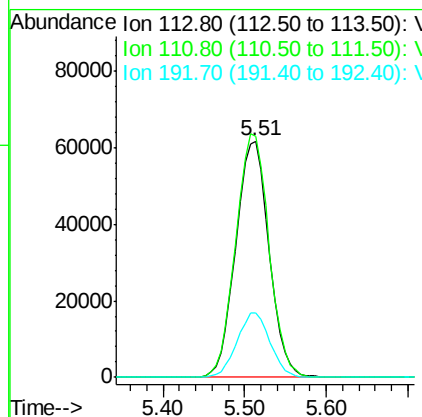
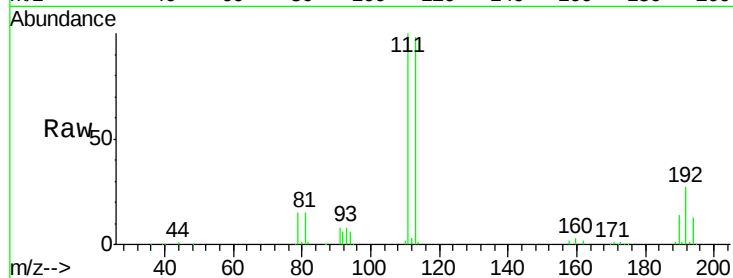




#35
 Dibromofluoromethane
 Concen: 55.83 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001776.D
 Acq: 16 May 2018 20:31

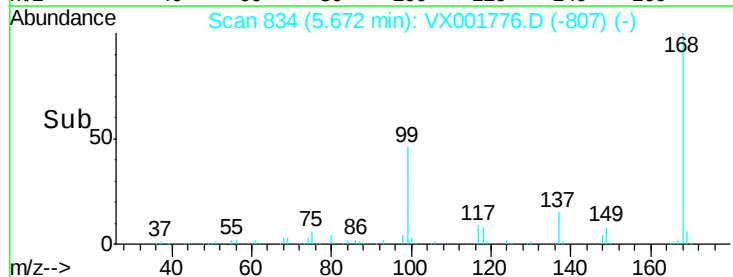
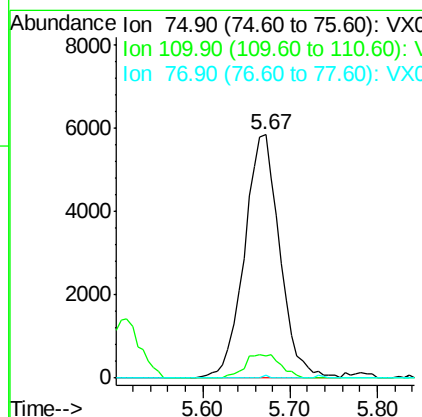
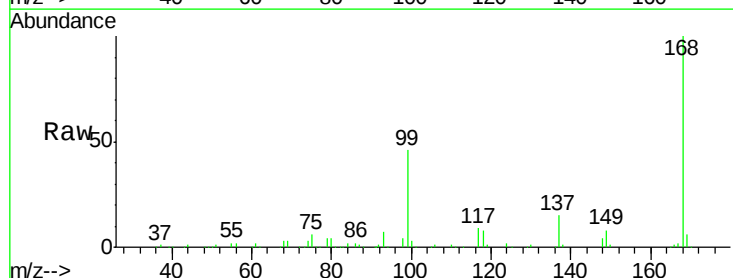
Instrument :
 MSVOA_X
 ClientSampleId :
 KY074MW061-180507

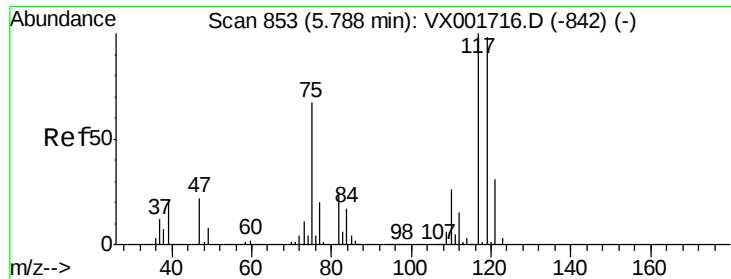
Tgt Ion:113 Resp: 174633
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.0 123.0
 192 27.2 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001776.D
 Acq: 16 May 2018 20:31

Tgt Ion: 75 Resp: 16418
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.1 57.1#
 77 0.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.06 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001776.D

Acq: 16 May 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

KY074MW061-180507

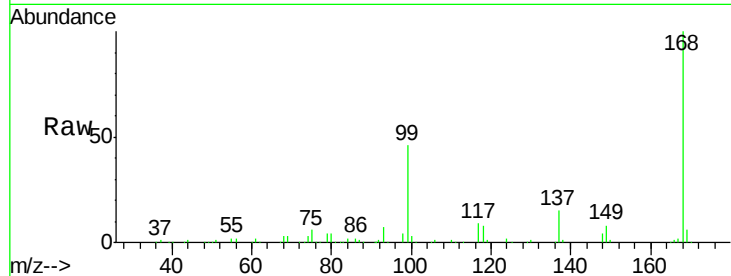
Tgt Ion:117 Resp: 22600

Ion Ratio Lower Upper

117 100

119 6.5 77.6 116.4#

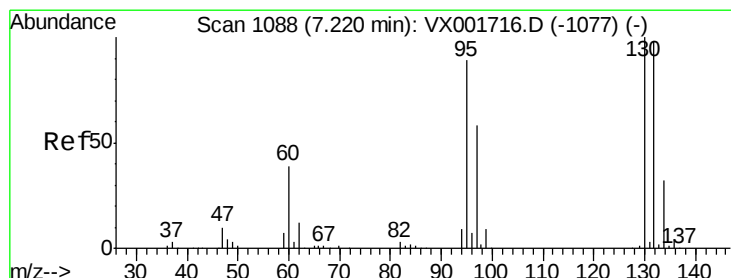
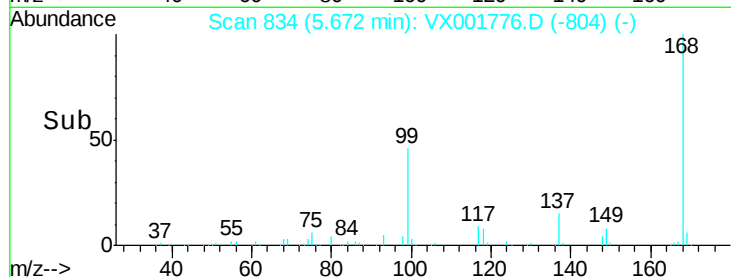
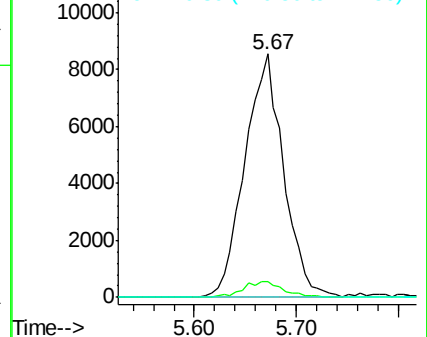
121 0.0 24.6 36.8#



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: 3.69 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001776.D

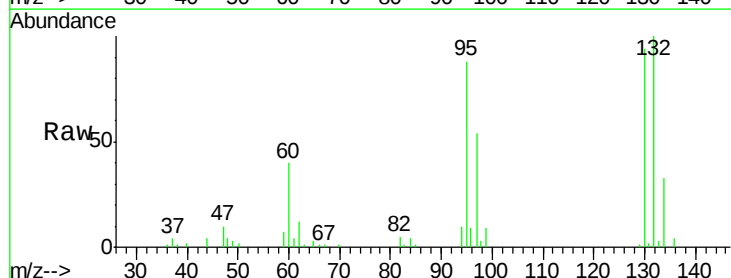
Acq: 16 May 2018 20:31

Tgt Ion:130 Resp: 14408

Ion Ratio Lower Upper

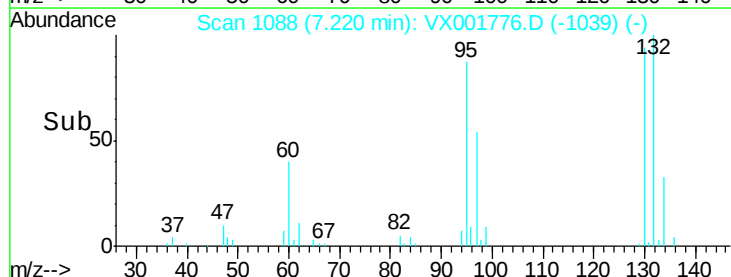
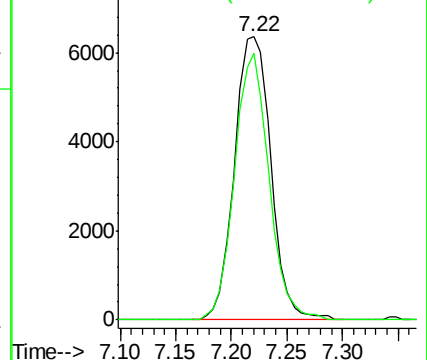
130 100

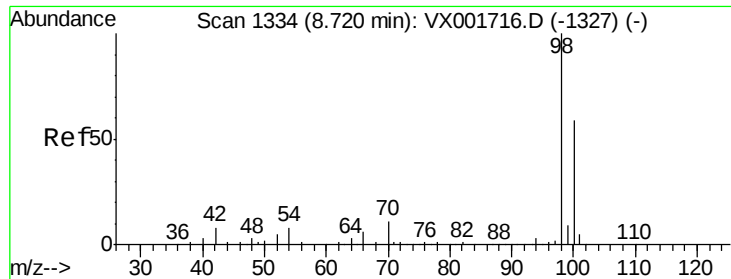
95 94.0 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

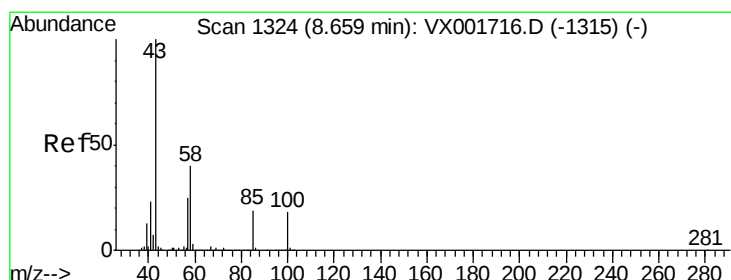
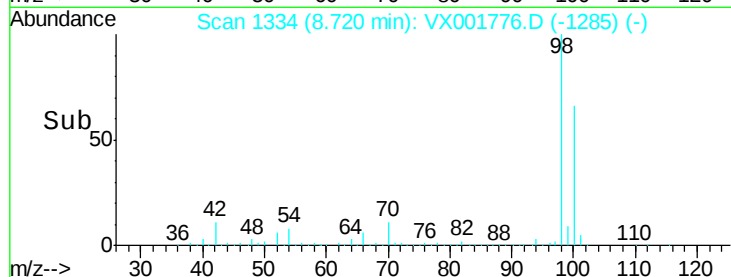
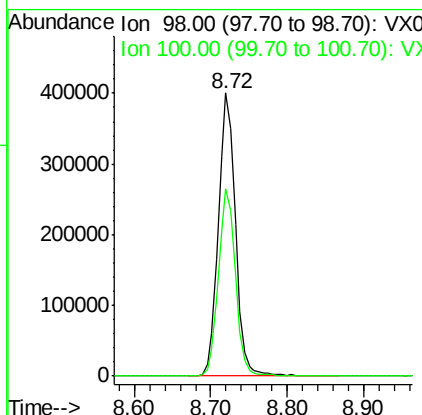
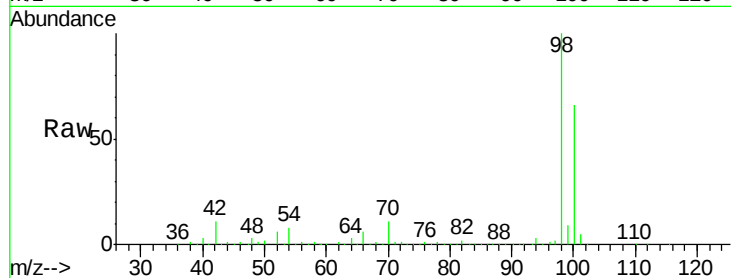




#50
Toluene-d8
Concen: 55.42 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001776.D
Acq: 16 May 2018 20:31

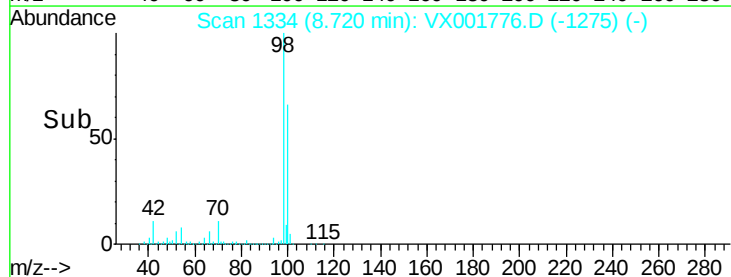
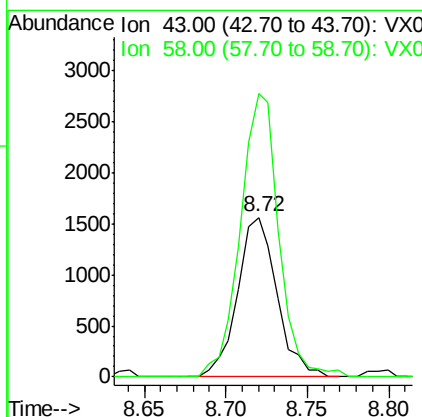
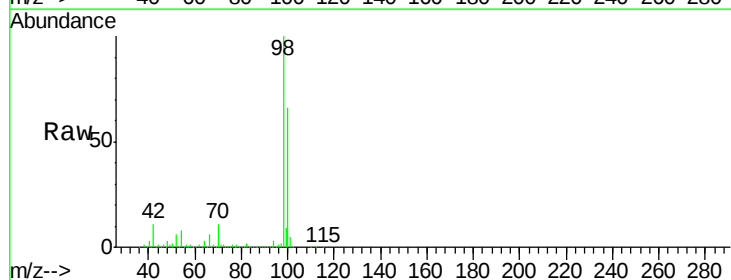
Instrument :
MSVOA_X
ClientSampleId :
KY074MW061-180507

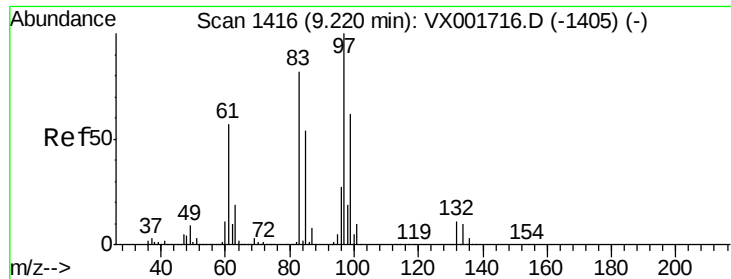
Tgt Ion: 98 Resp: 620879
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.60 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001776.D
Acq: 16 May 2018 20:31

Tgt Ion: 43 Resp: 2630
Ion Ratio Lower Upper
43 100
58 173.7 31.4 47.0#

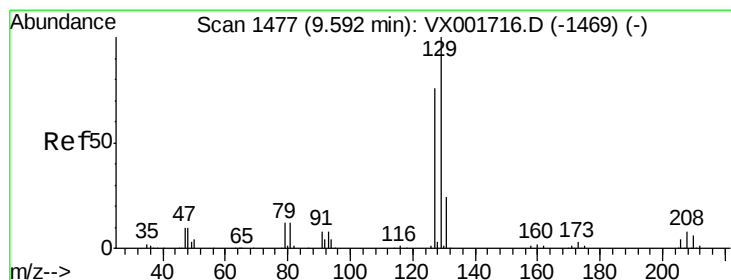
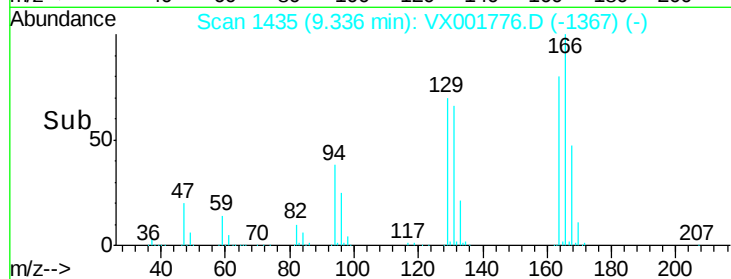
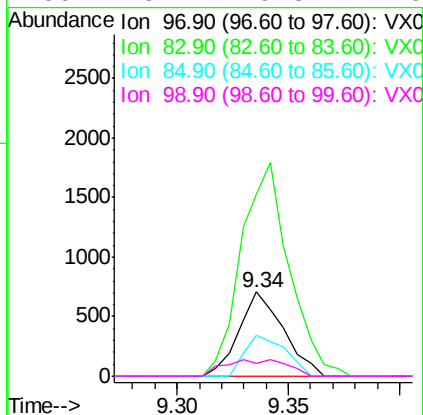
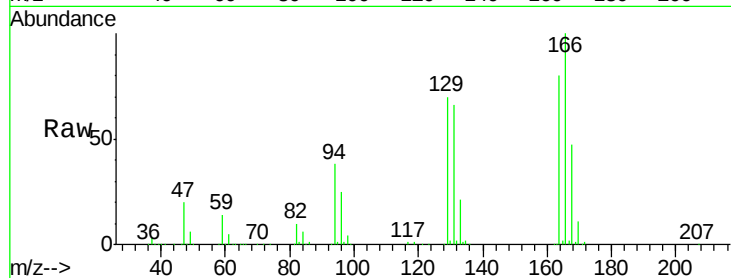




#55
 1,1,2-Trichloroethane
 Concen: 0.32 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. 0.12 min
 Lab File: VX001776.D
 Acq: 16 May 2018 20:31

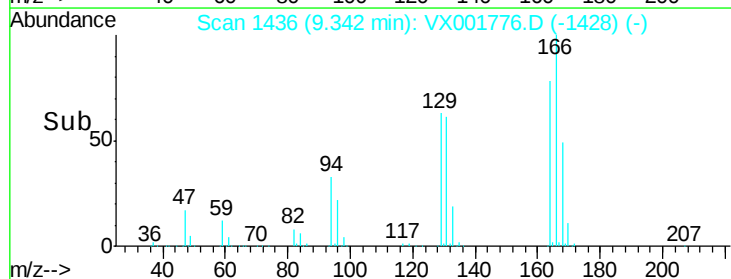
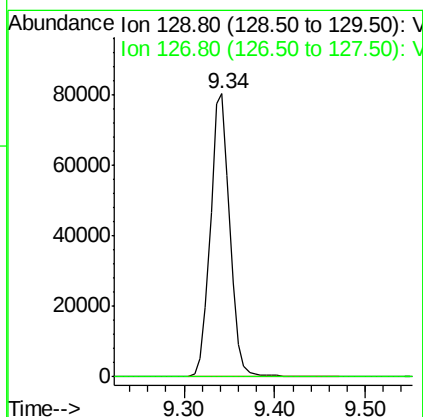
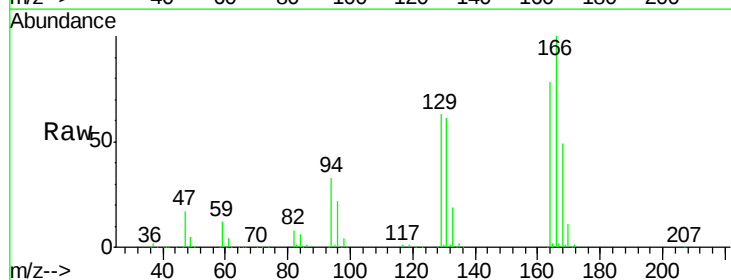
Instrument :
 MSVOA_X
 ClientSampleId :
 KY074MW061-180507

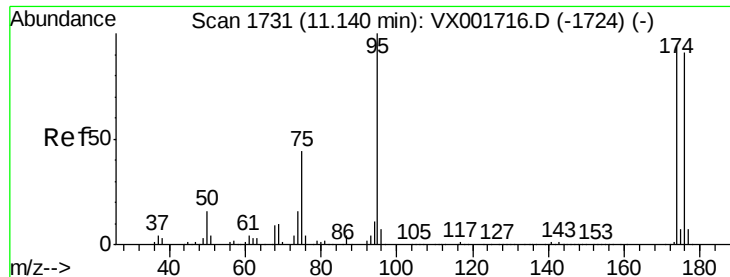
Tgt Ion: 97 Resp: 983
 Ion Ratio Lower Upper
 97 100
 83 216.1 65.8 98.8#
 85 48.3 43.4 65.0
 99 15.7 49.8 74.6#



#60
 Dibromochloromethane
 Concen: 38.43 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001776.D
 Acq: 16 May 2018 20:31

Tgt Ion: 129 Resp: 121532
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#

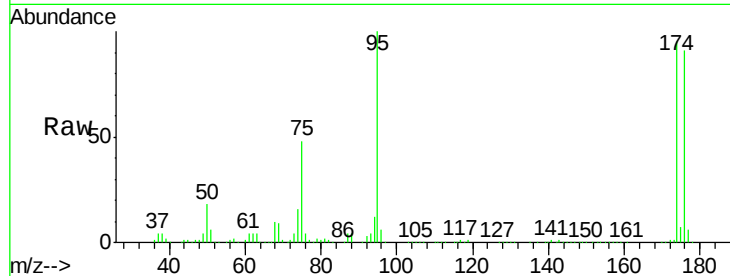




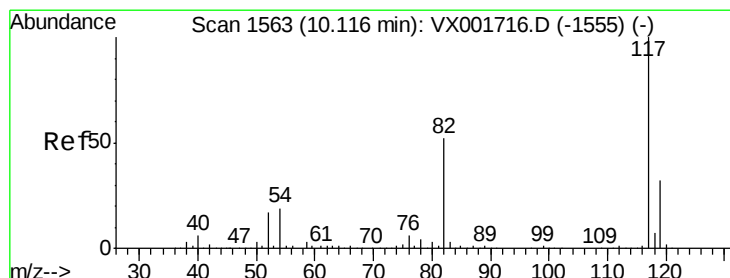
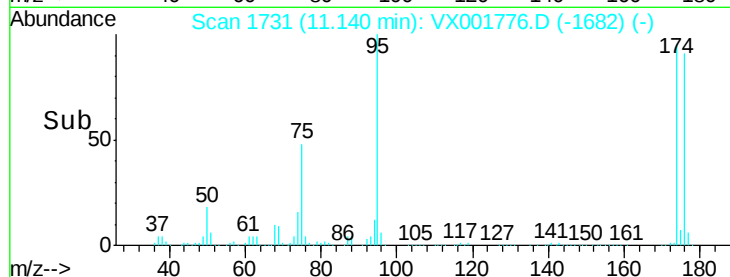
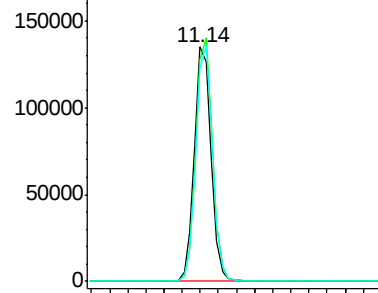
#62
4-Bromofluorobenzene
Concen: 43.23 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001776.D
Acq: 16 May 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
KY074MW061-180507

Tgt Ion: 95 Resp: 174399
Ion Ratio Lower Upper
95 100
174 103.3 0.0 201.8
176 99.6 0.0 196.8

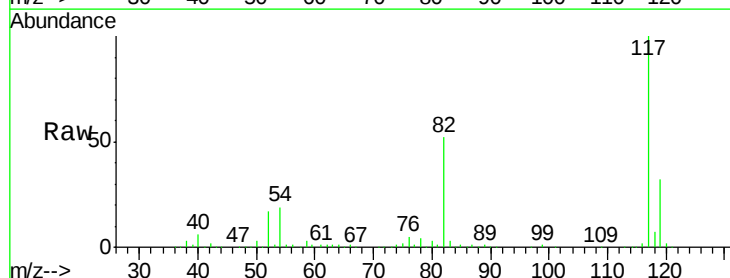


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

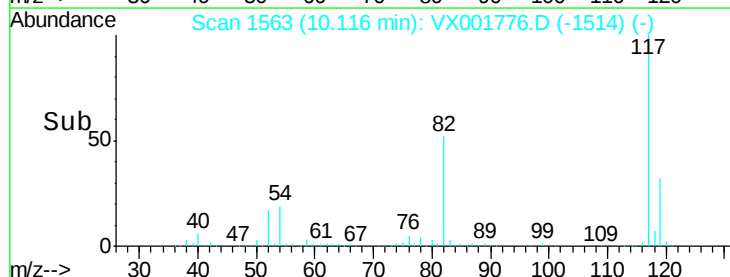
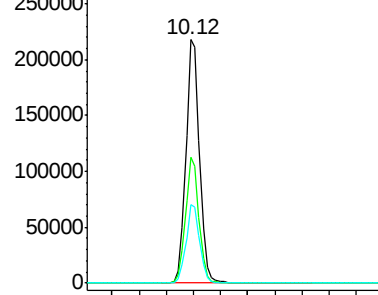


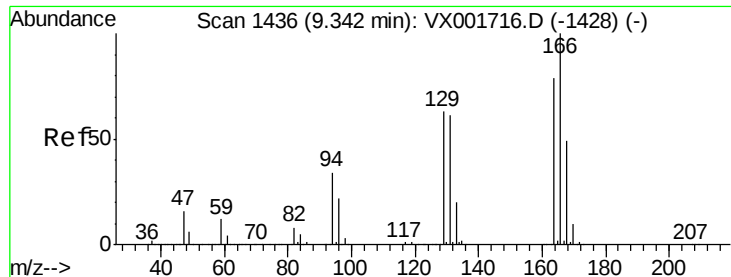
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001776.D
Acq: 16 May 2018 20:31

Tgt Ion: 117 Resp: 303370
Ion Ratio Lower Upper
117 100
82 51.8 41.4 62.2
119 32.1 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: 37.12 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001776.D

Acq: 16 May 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

KY074MW061-180507

Tgt Ion:164 Resp: 146599

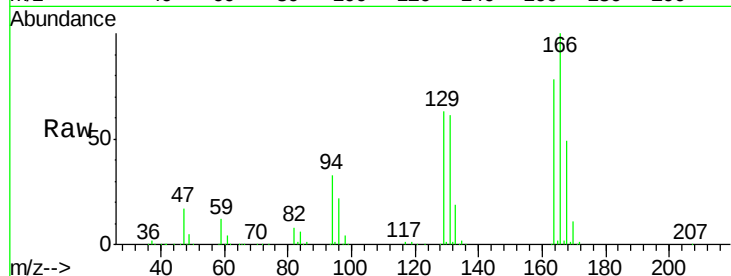
Ion Ratio Lower Upper

164 100

166 128.8 101.8 152.8

129 80.9 63.8 95.6

131 79.0 62.2 93.2

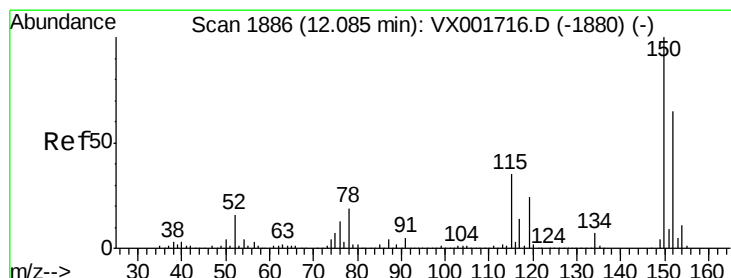
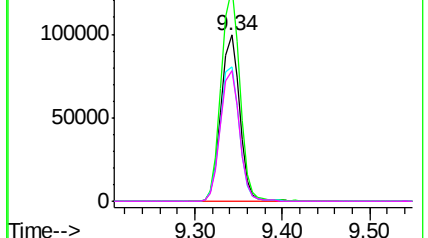
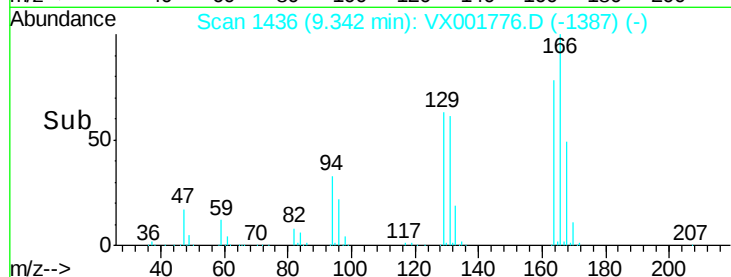


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX001776.D

Acq: 16 May 2018 20:31

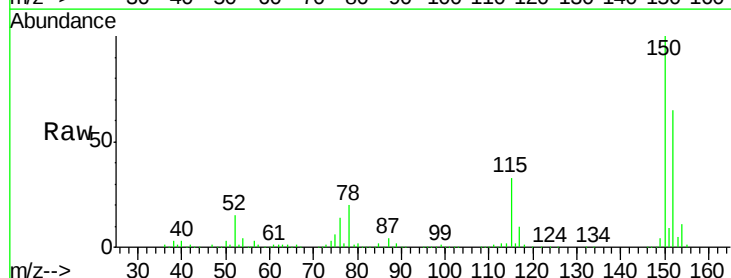
Tgt Ion:152 Resp: 145139

Ion Ratio Lower Upper

152 100

115 51.4 37.4 112.2

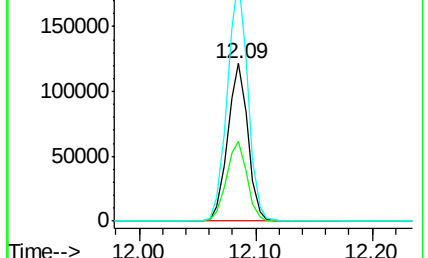
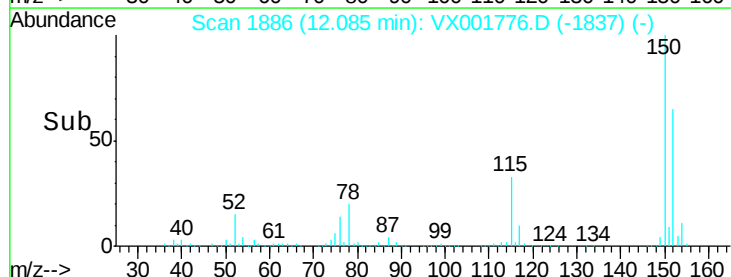
150 154.7 0.0 344.8

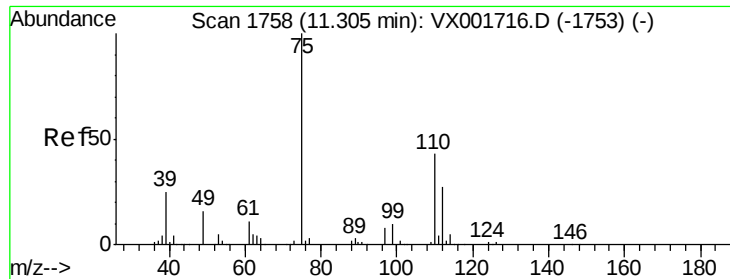


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

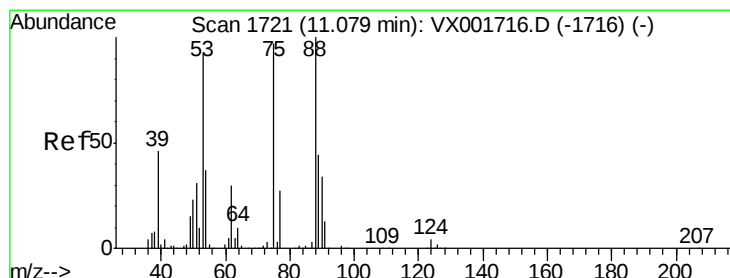
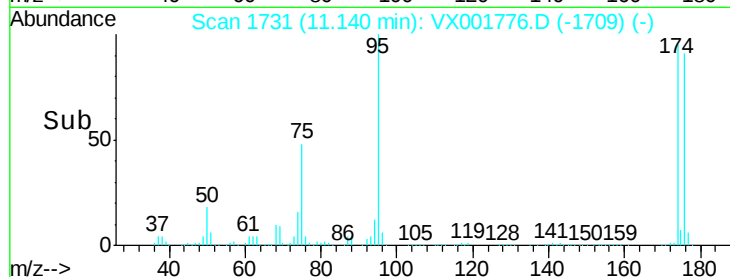
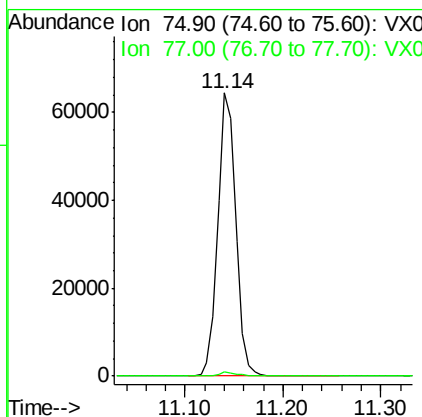
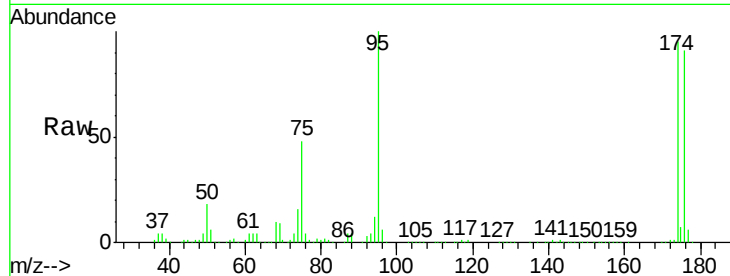




#76
 1,2,3-Trichloropropane
 Concen: 29.86 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001776.D
 Acq: 16 May 2018 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 KY074MW061-180507

Tgt Ion: 75 Resp: 82406
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.40 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001776.D
 Acq: 16 May 2018 20:31

Tgt Ion: 75 Resp: 82406
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#

