

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001840.D
 Acq On : 18 May 2018 21:34
 Operator : JC/MD
 Sample : J2986-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:28:21 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	317653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	461139	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201227	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	245459	57.65	ug/l	0.00
Spiked Amount			Recovery	=	115.30%	
35) Dibromofluoromethane	5.51	113	211121	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
50) Toluene-d8	8.72	98	751670	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
62) 4-Bromofluorobenzene	11.14	95	216911	43.22	ug/l	0.00
Spiked Amount			Recovery	=	86.44%	

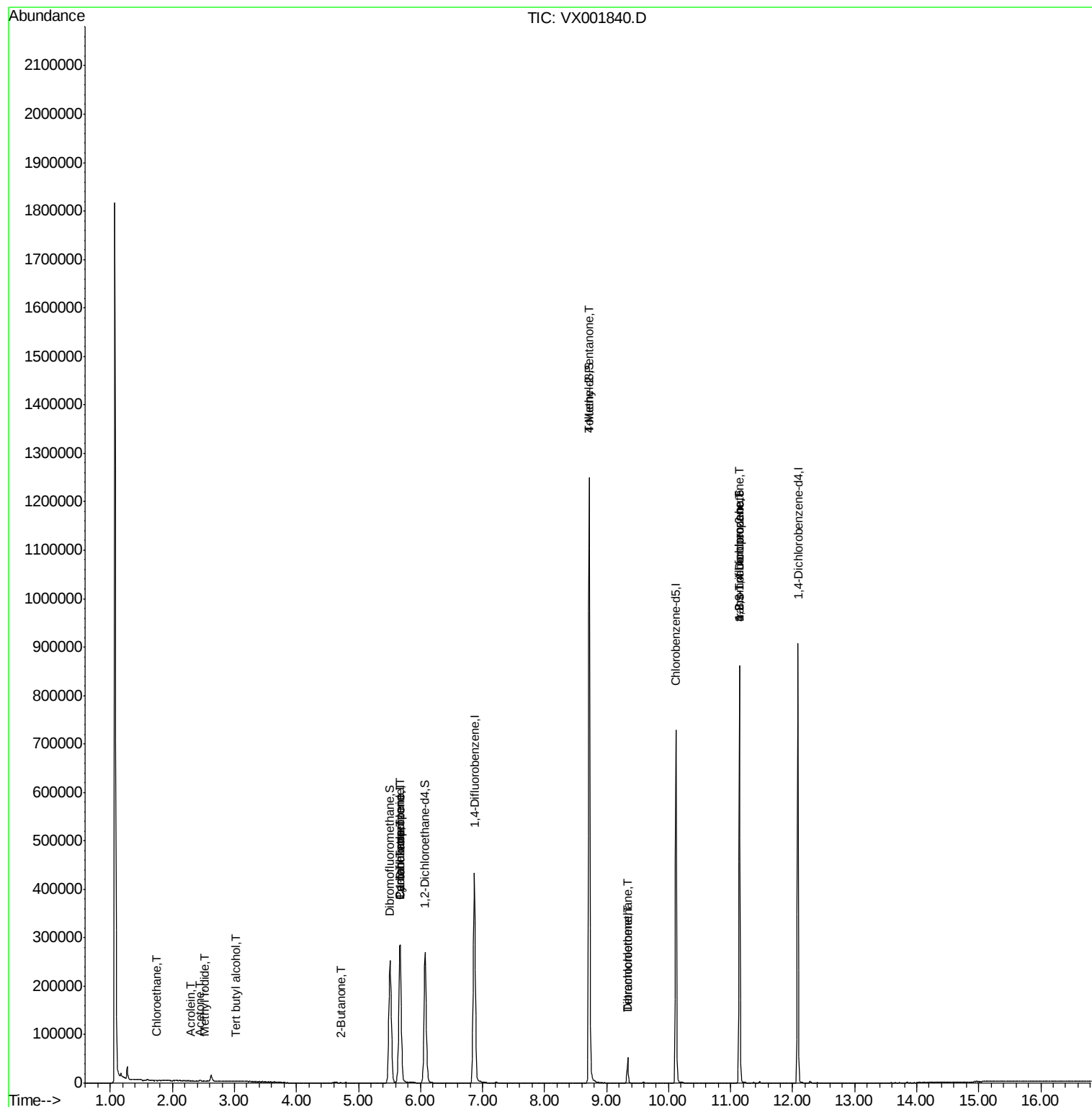
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	825	Below Cal		80
6) Chloroethane	1.75	64	544	0.23 ug/l	#	80
10) Methyl Iodide	2.53	142	786	0.26 ug/l	#	82
11) Tert butyl alcohol	3.02	59	386	0.51 ug/l	#	86
13) Acrolein	2.29	56	121	0.23 ug/l	#	30
16) Acetone	2.45	43	1858	1.11 ug/l		89
25) 2-Butanone	4.73	43	823	0.32 ug/l	#	51
31) Cyclohexane	5.67	56	4369	0.82 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	17929	3.38 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	25955	4.67 ug/l	#	15
51) 4-Methyl-2-Pentanone	8.72	43	3118	0.57 ug/l	#	1
60) Dibromochloromethane	9.34	129	9921	2.52 ug/l	#	11
64) Tetrachloroethene	9.34	164	11674	2.45 ug/l		94
76) 1,2,3-Trichloropropane	11.14	75	102179	26.70 ug/l	#	39
81) trans-1,4-Dichloro-2-buten	11.14	75	102179	77.62 ug/l	#	10

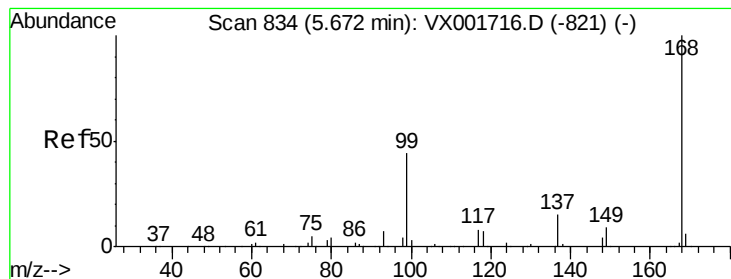
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001840.D

Acq: 18 May 2018 21:34

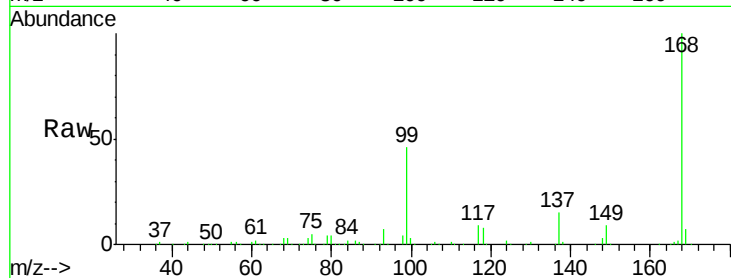
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 317653

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

5.67

120000

100000

80000

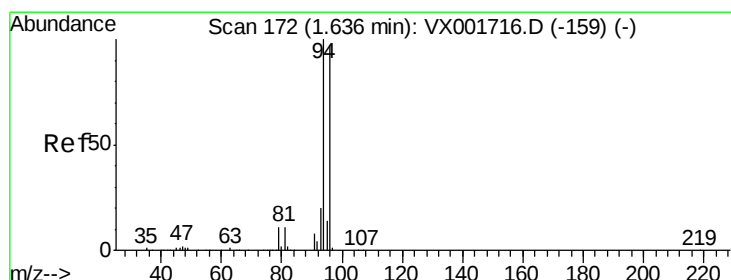
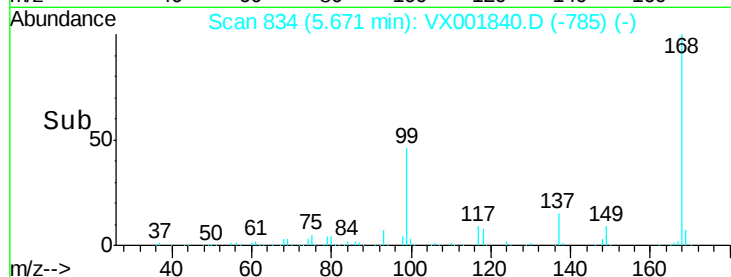
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001840.D

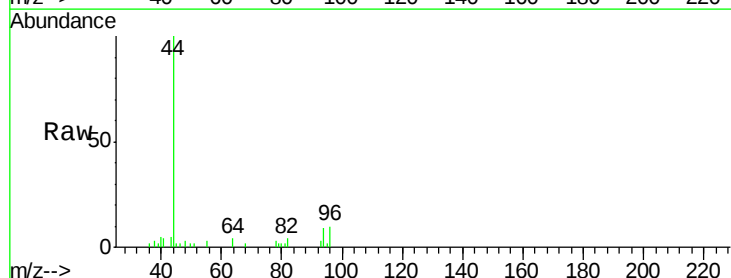
Acq: 18 May 2018 21:34

Tgt Ion: 94 Resp: 825

Ion Ratio Lower Upper

94 100

96 116.0 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

400

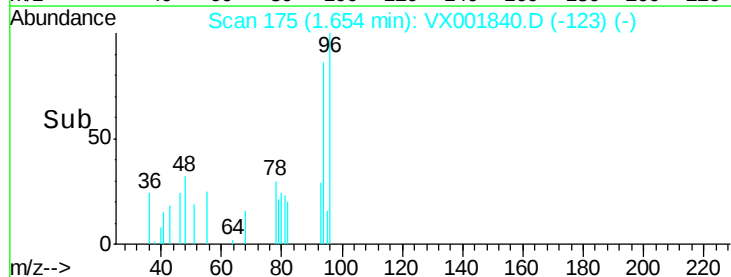
300

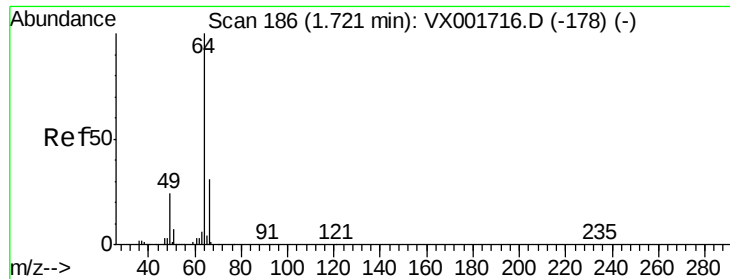
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.23 ug/l

RT: 1.75 min Scan# 191

Delta R.T. 0.03 min

Lab File: VX001840.D

Acq: 18 May 2018 21:34

Instrument :

MSVOA_X

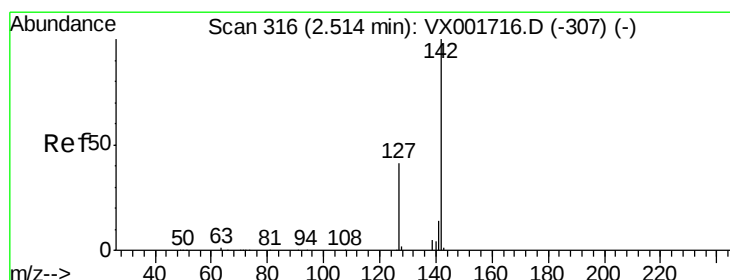
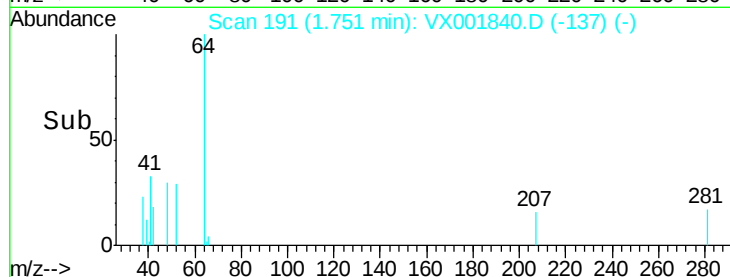
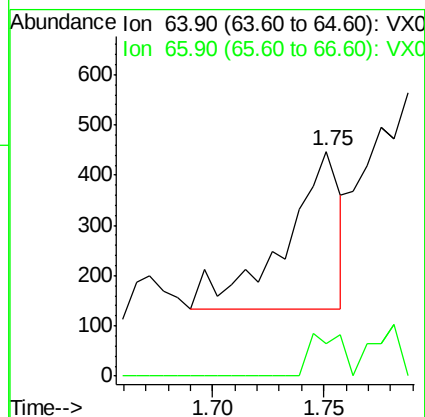
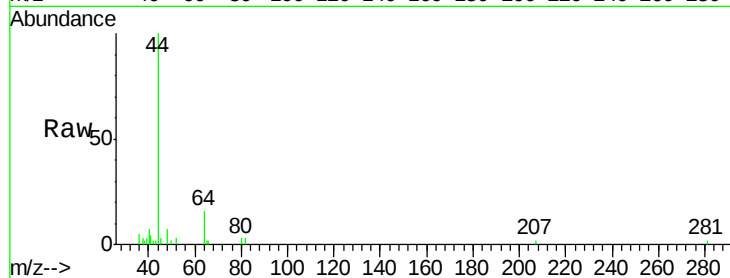
ClientSampleId :

Tot Ion: 64 Resp: 544

Ion Ratio Lower Upper

64 100

66 20.3 25.2 37.8#



#10

Methyl Iodide

Concen: 0.26 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001840.D

Acq: 18 May 2018 21:34

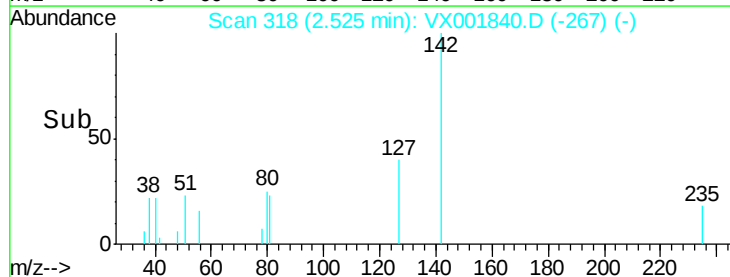
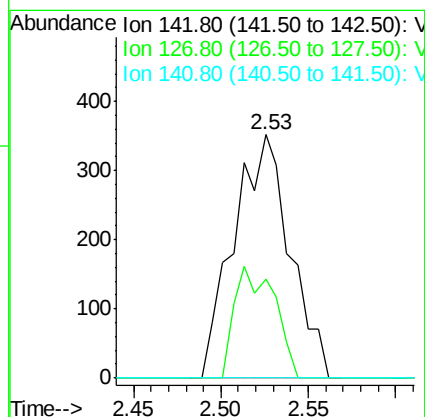
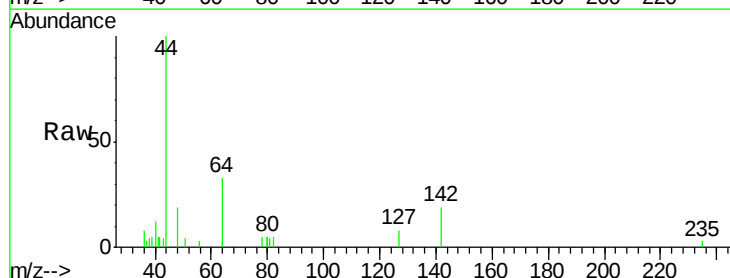
Tgt Ion: 142 Resp: 786

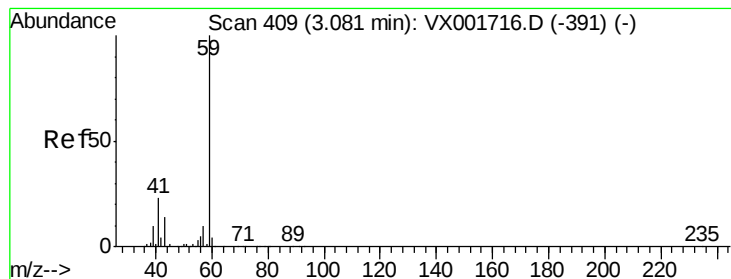
Ion Ratio Lower Upper

142 100

127 32.7 32.5 48.7

141 0.0 11.4 17.0#



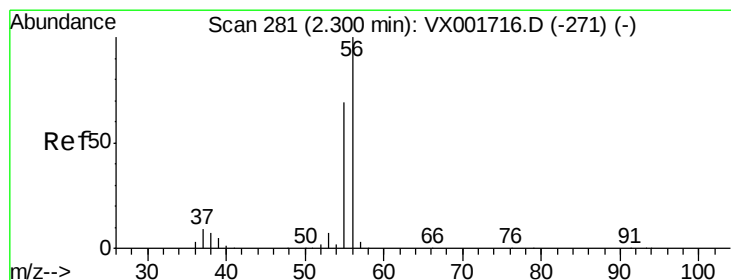
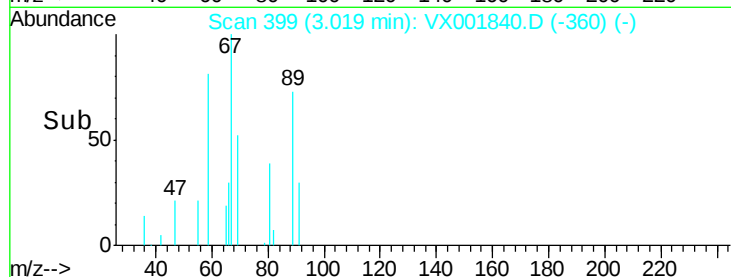
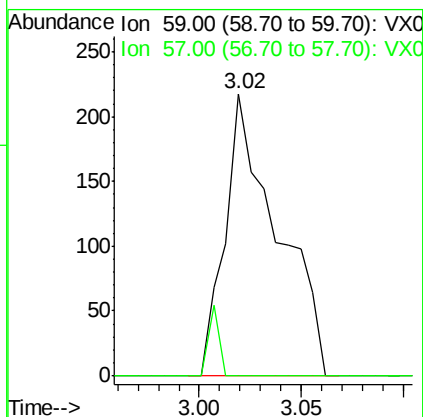
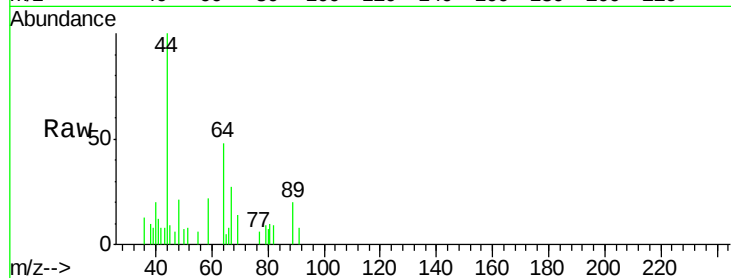


#11

Tert butvl alcohol
 Concen: 0.51 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: VX001840.D
 Acq: 18 May 2018 21:34

Instrument :
 MSVOA_X
 ClientSampleId :

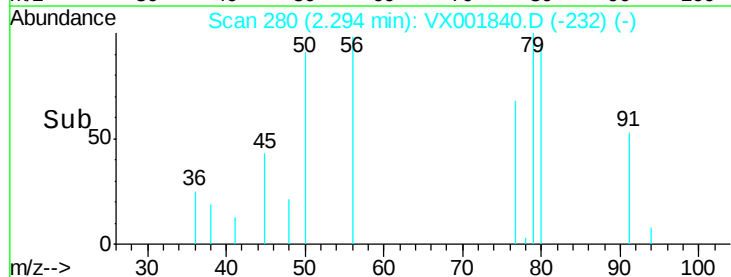
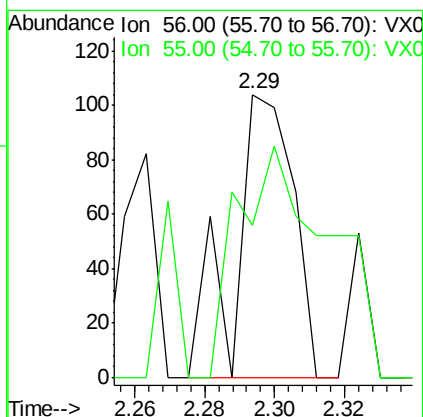
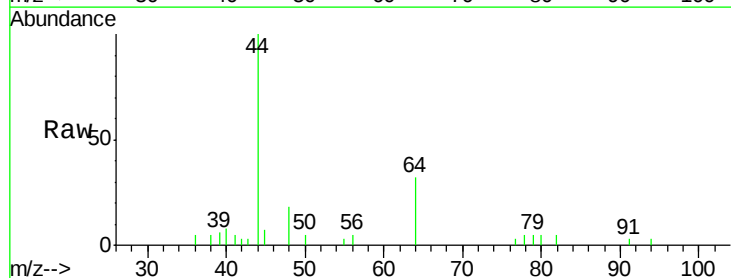
Tot Ion: 59 Resp: 386
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.5 12.7#

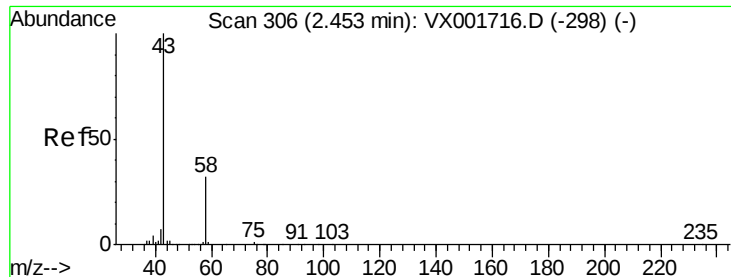


#13

Acrolein
 Concen: 0.23 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX001840.D
 Acq: 18 May 2018 21:34

Tgt Ion: 56 Resp: 121
 Ion Ratio Lower Upper
 56 100
 55 128.1 56.2 84.2#





#16

Acetone

Concen: 1.11 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001840.D

Acq: 18 May 2018 21:34

Instrument :

MSVOA_X

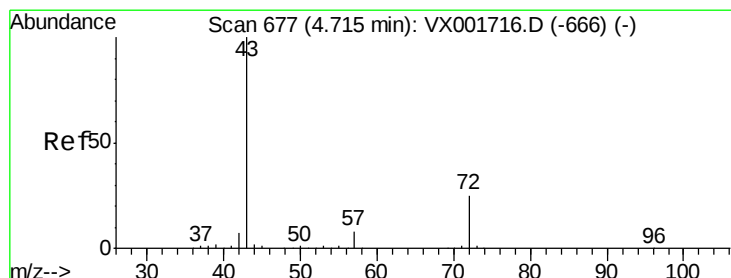
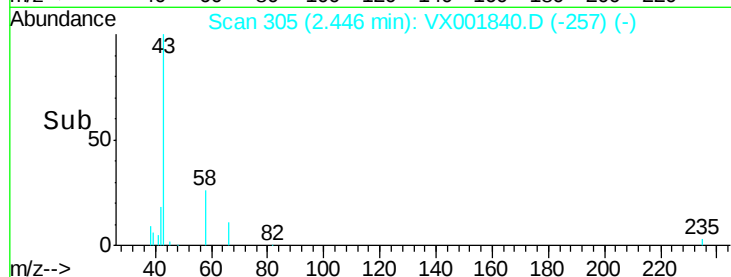
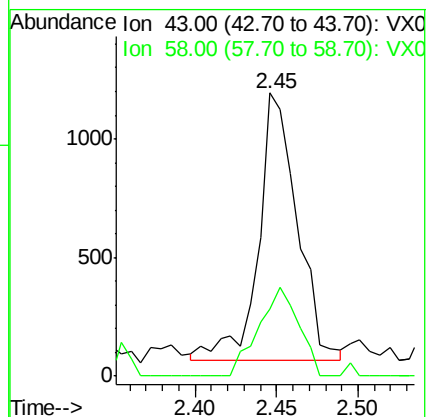
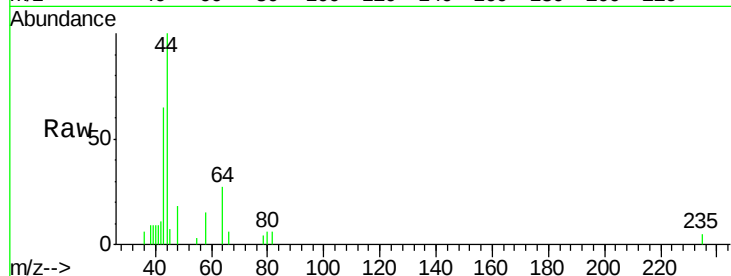
ClientSampleId :

Tot Ion: 43 Resp: 1858

Ion Ratio Lower Upper

43 100

58 25.5 25.3 37.9



#25

2-Butanone

Concen: 0.32 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001840.D

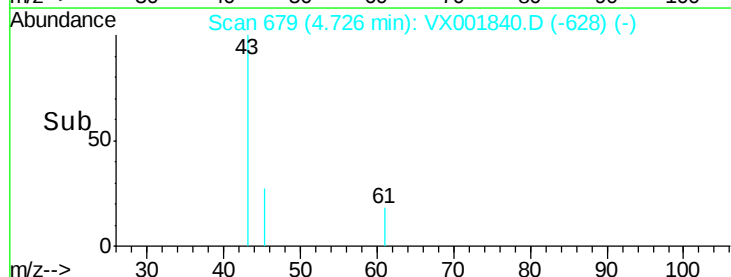
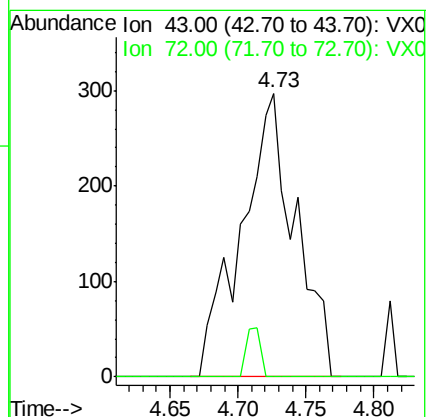
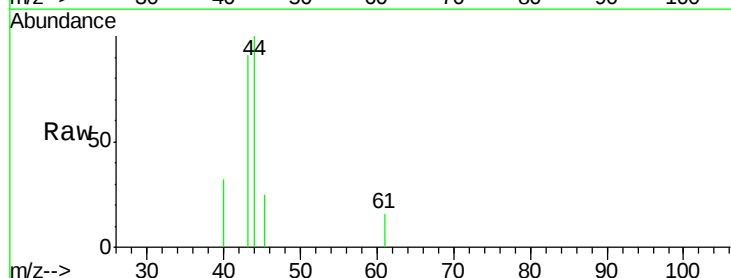
Acq: 18 May 2018 21:34

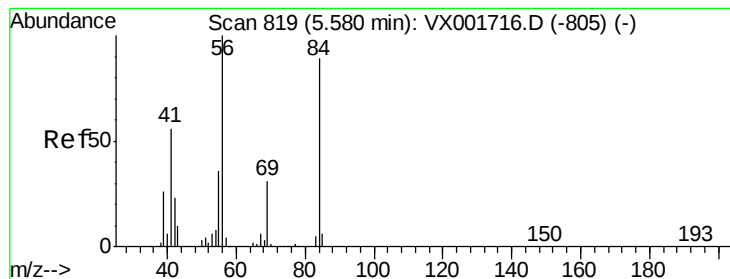
Tgt Ion: 43 Resp: 823

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#





#31

Cyclohexane

Concen: 0.82 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001840.D

Acq: 18 May 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :

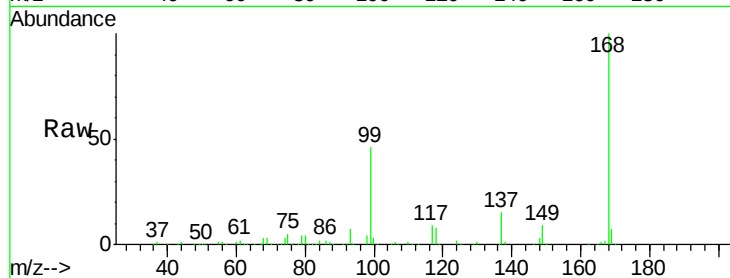
Tot Ion: 56 Resp: 4369

Ion Ratio Lower Upper

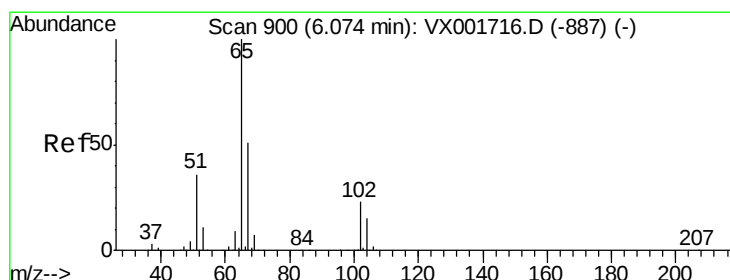
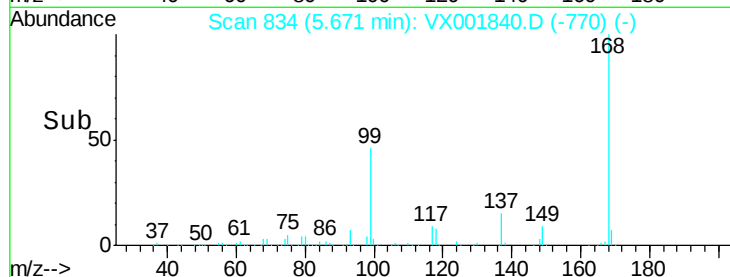
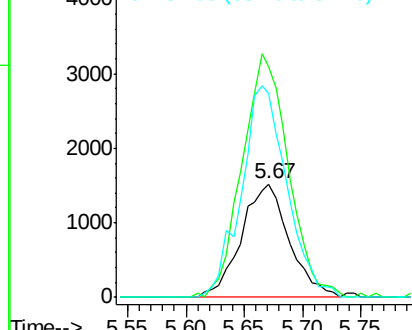
56 100

69 202.6 25.0 37.6#

84 179.3 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: 57.65 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001840.D

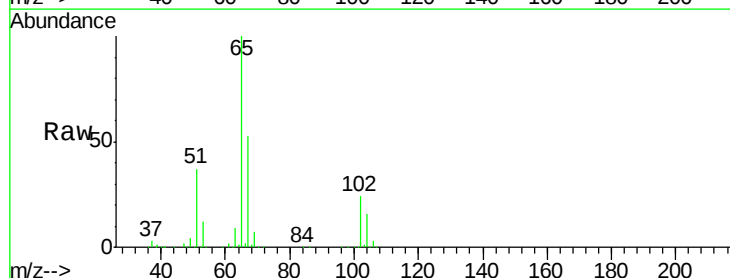
Acq: 18 May 2018 21:34

Tgt Ion: 65 Resp: 245459

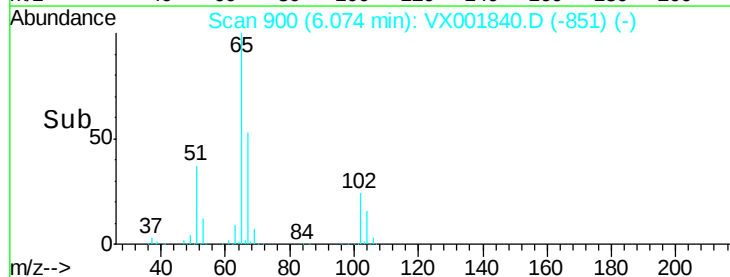
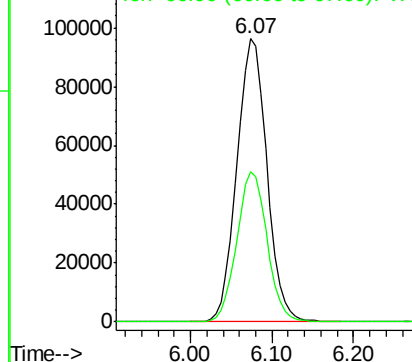
Ion Ratio Lower Upper

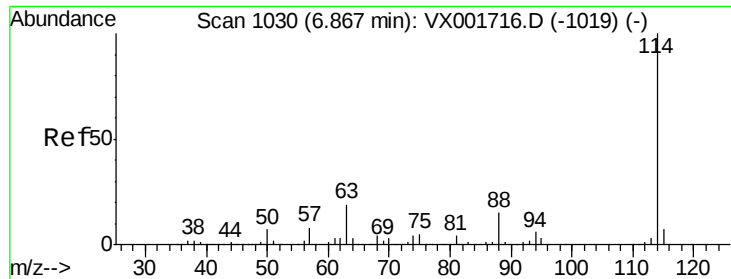
65 100

67 53.3 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: VX001840.D

Acq: 18 May 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :

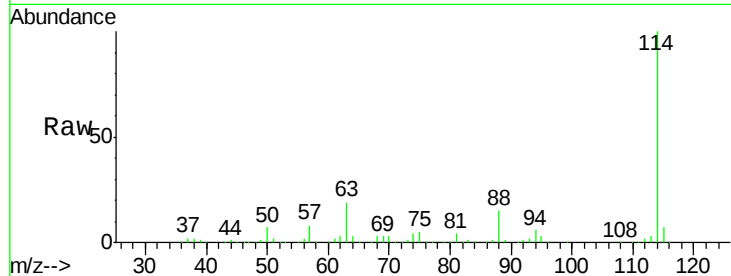
Tot Ion:114 Resp: 461139

Ion Ratio Lower Upper

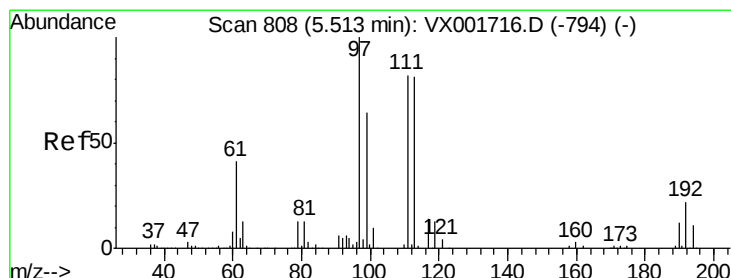
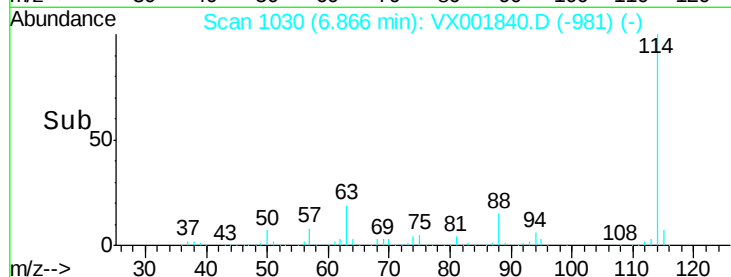
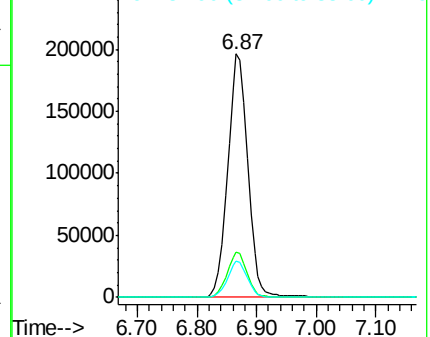
114 100

63 18.8 0.0 37.0

88 14.9 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: 54.25 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001840.D

Acq: 18 May 2018 21:34

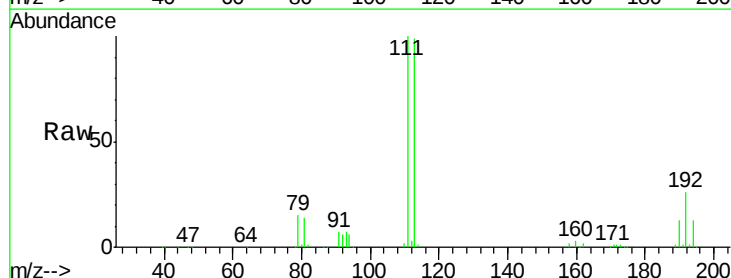
Tgt Ion:113 Resp: 211121

Ion Ratio Lower Upper

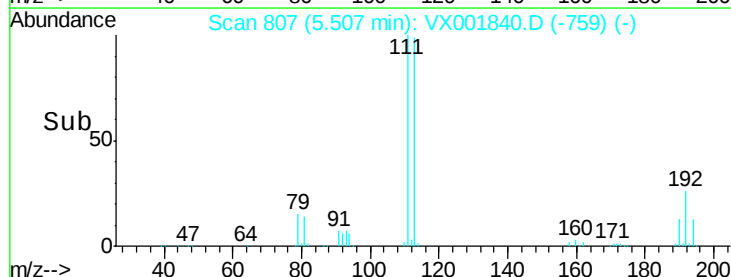
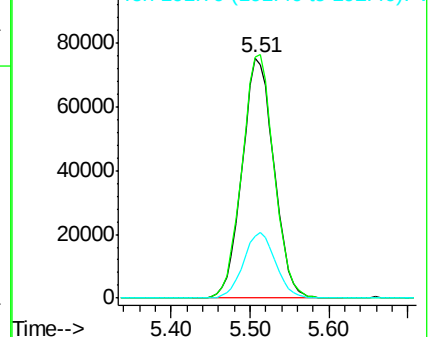
113 100

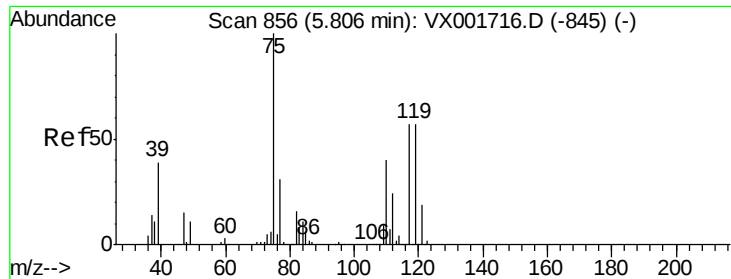
111 102.0 82.0 123.0

192 27.4 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: 3.38 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001840.D

Acq: 18 May 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :

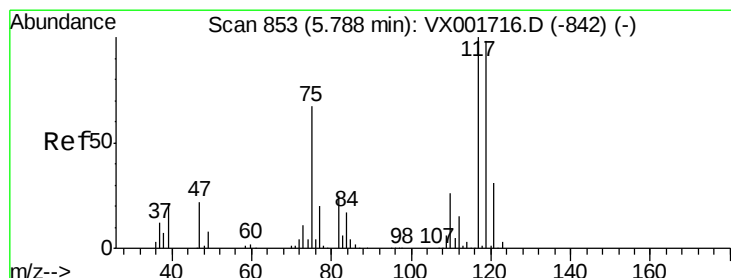
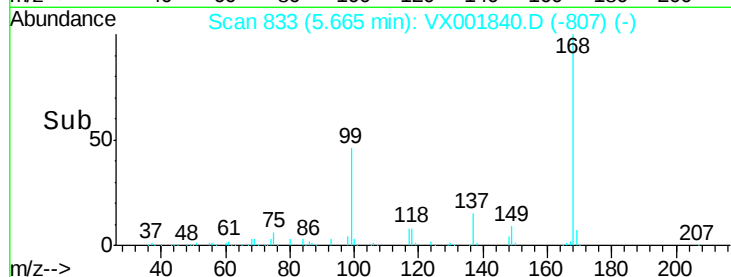
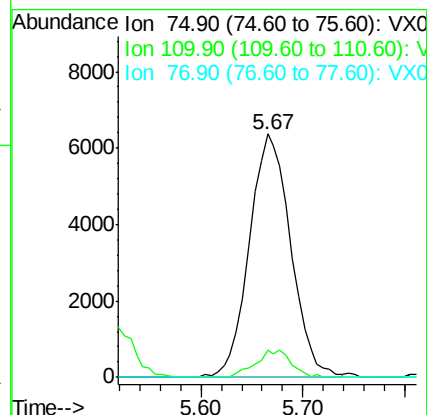
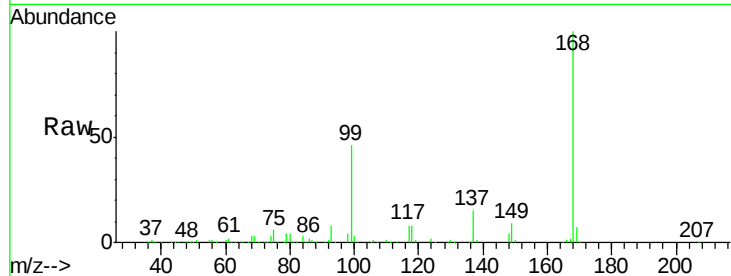
Tot Ion: 75 Resp: 17929

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.67 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001840.D

Acq: 18 May 2018 21:34

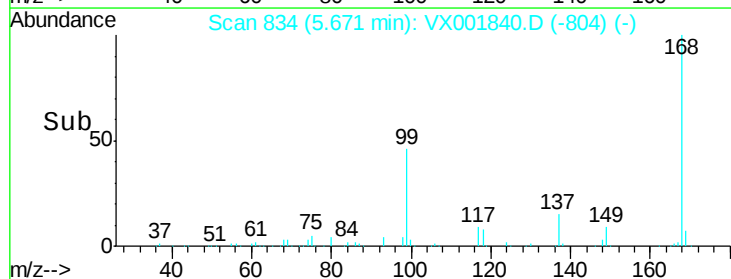
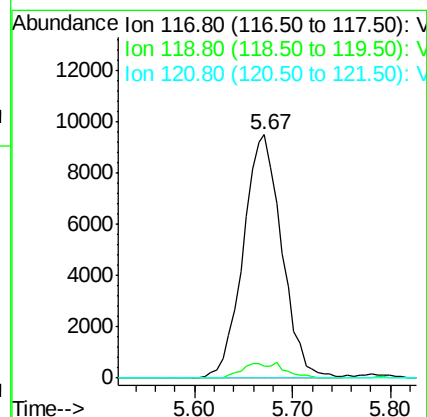
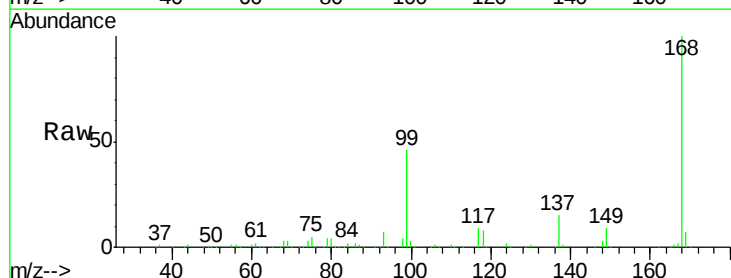
Tgt Ion: 117 Resp: 25955

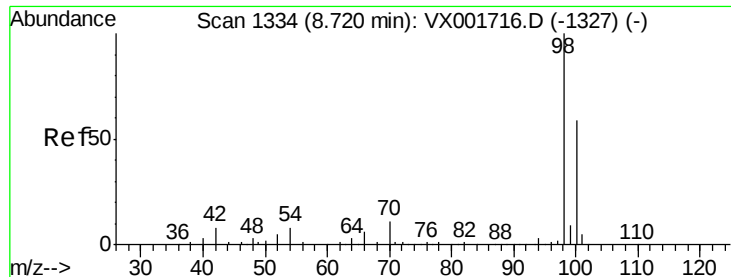
Ion Ratio Lower Upper

117 100

119 5.0 77.6 116.4#

121 0.0 24.6 36.8#

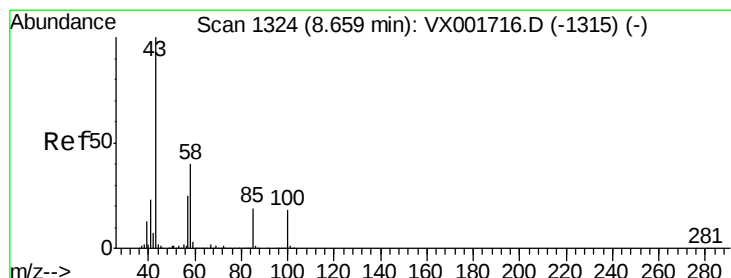
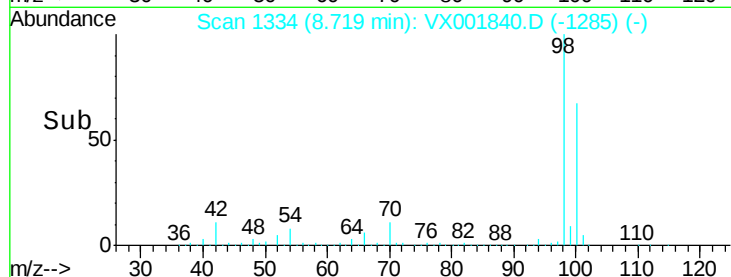
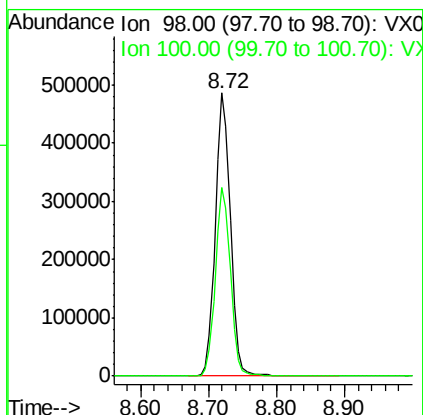
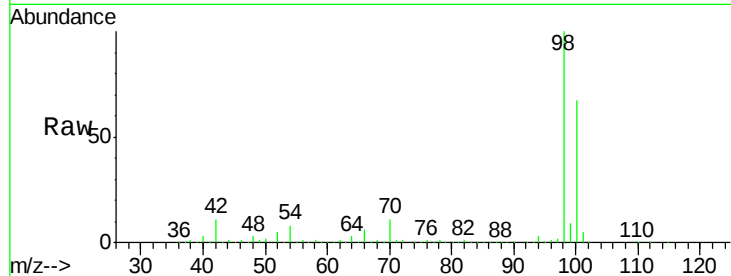




#50
Toluene-d8
Concen: 53.93 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001840.D
Acq: 18 May 2018 21:34

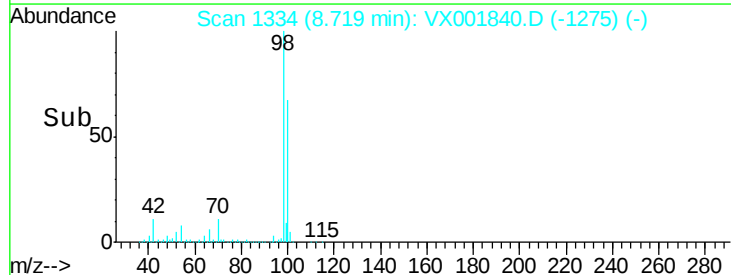
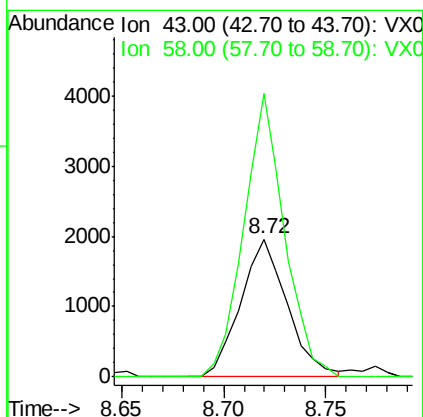
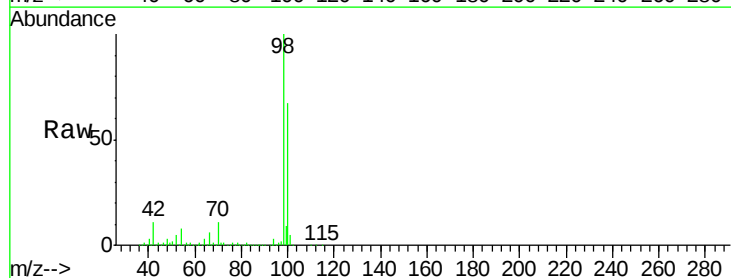
Instrument :
MSVOA_X
ClientSampled :

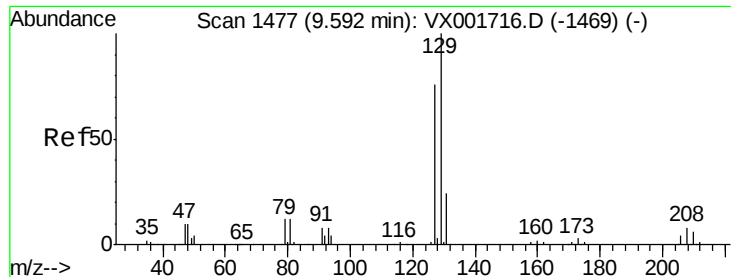
Tot Ion: 98 Resp: 751670
Ion Ratio Lower Upper
98 100
100 66.8 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.57 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001840.D
Acq: 18 May 2018 21:34

Tgt Ion: 43 Resp: 3118
Ion Ratio Lower Upper
43 100
58 179.5 31.4 47.0#

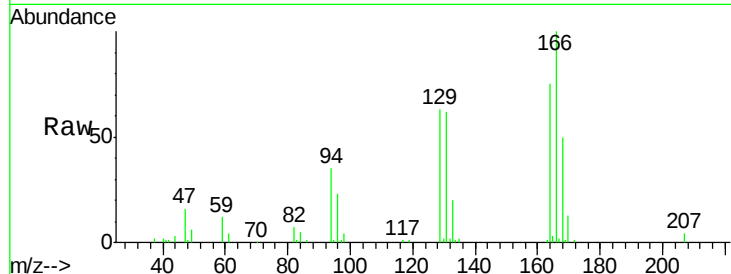




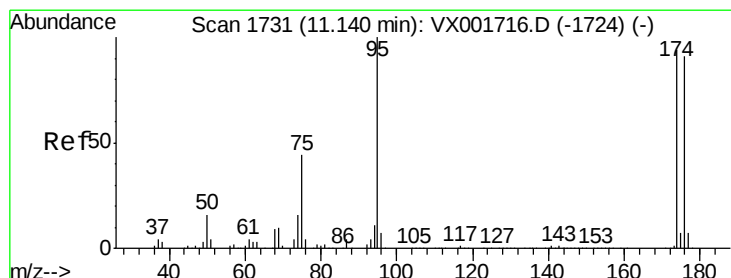
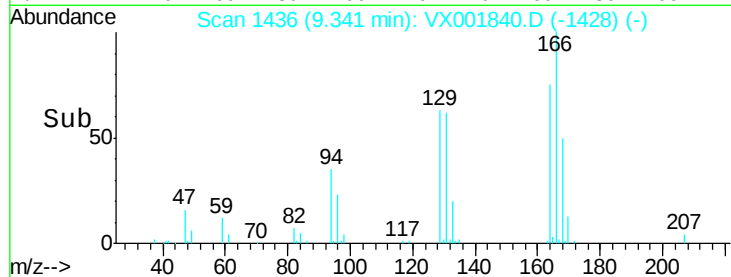
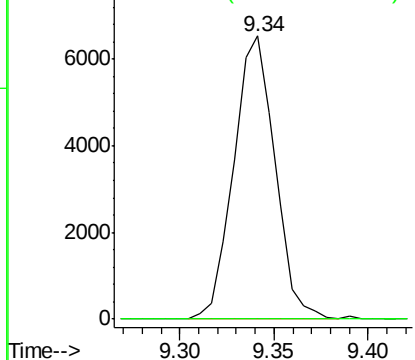
#60
 Dibromochloromethane
 Concen: 2.52 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001840.D
 Acq: 18 May 2018 21:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:129 Resp: 9921
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#

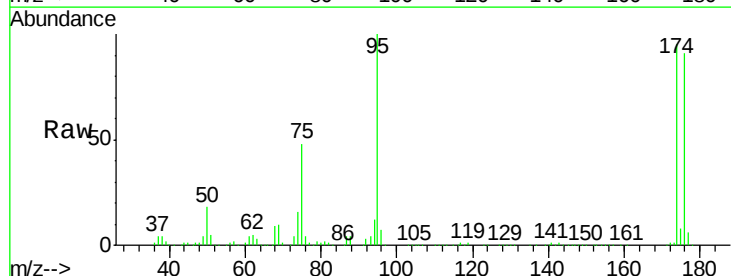


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

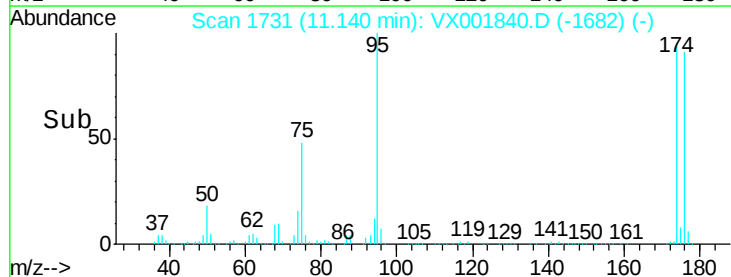
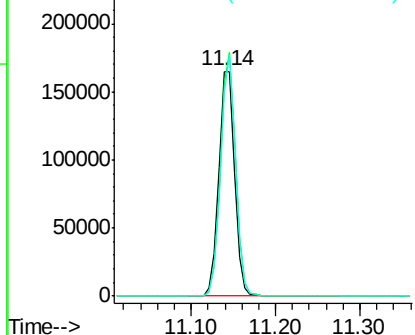


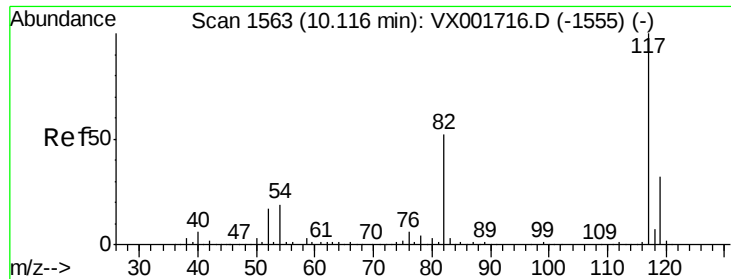
#62
 4-Bromofluorobenzene
 Concen: 43.22 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001840.D
 Acq: 18 May 2018 21:34

Tgt Ion: 95 Resp: 216911
 Ion Ratio Lower Upper
 95 100
 174 103.4 0.0 201.8
 176 100.7 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

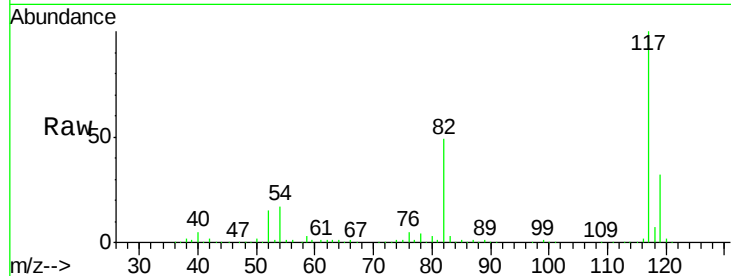




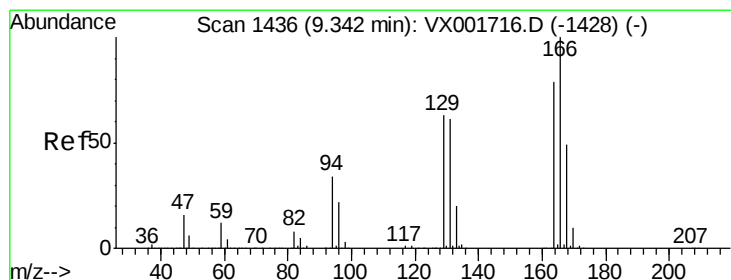
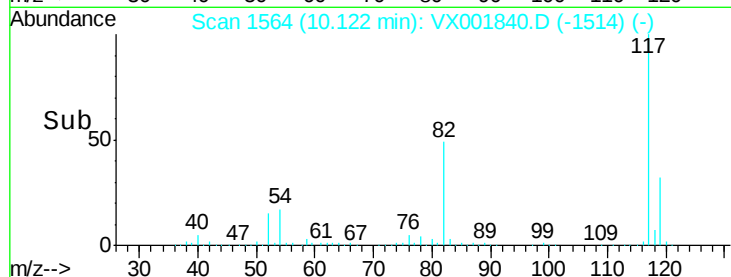
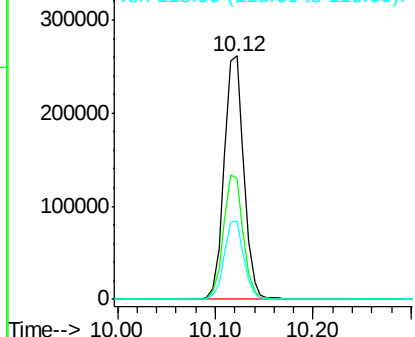
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001840.D
Acq: 18 May 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 365439
Ion Ratio Lower Upper
117 100
82 49.4 41.4 62.2
119 32.3 25.6 38.4

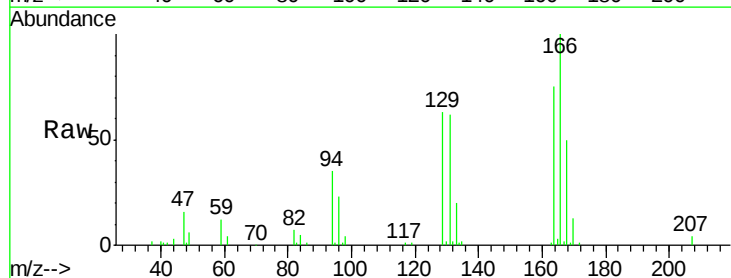


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

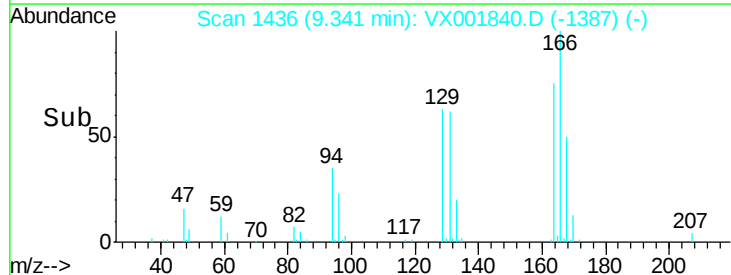
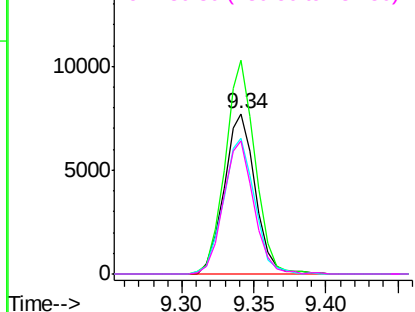


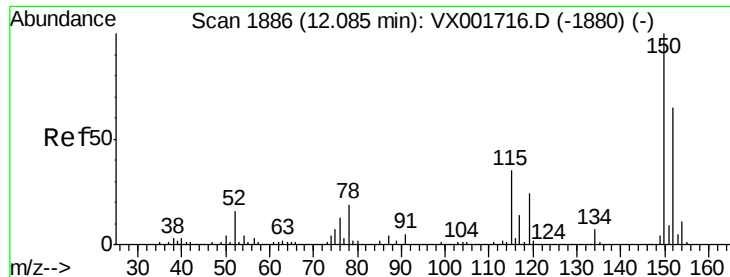
#64
Tetrachloroethene
Concen: 2.45 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001840.D
Acq: 18 May 2018 21:34

Tgt Ion:164 Resp: 11674
Ion Ratio Lower Upper
164 100
166 133.4 101.8 152.8
129 84.7 63.8 95.6
131 83.2 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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001840.D

Acq: 18 May 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

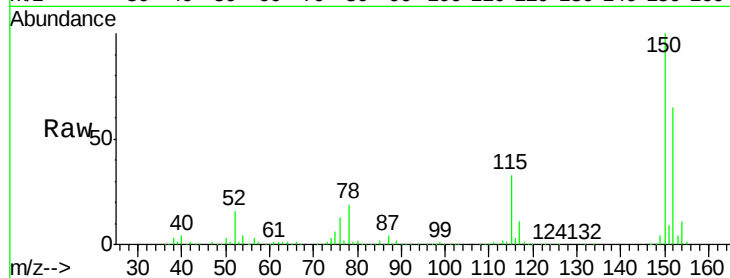
Tot Ion:152 Resp: 201227

Ion Ratio Lower Upper

152 100

115 51.2 37.4 112.2

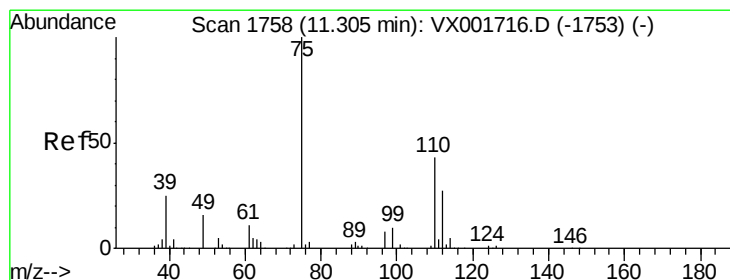
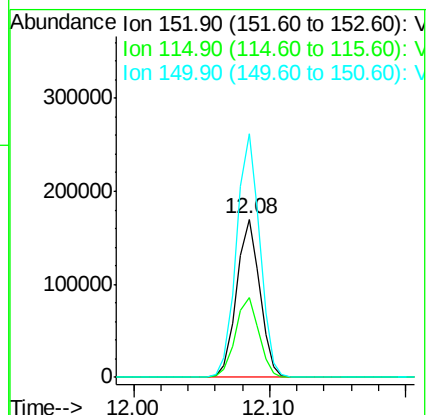
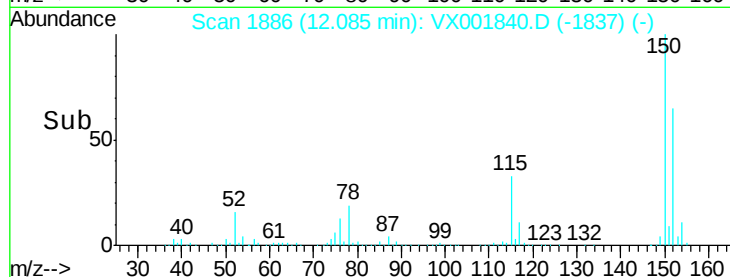
150 155.3 0.0 344.8



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: 26.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.17 min

Lab File: VX001840.D

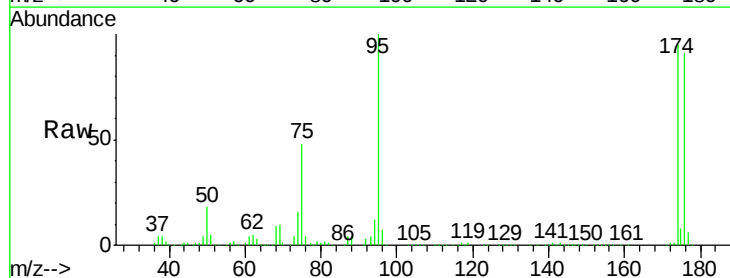
Acq: 18 May 2018 21:34

Tgt Ion: 75 Resp: 102179

Ion Ratio Lower Upper

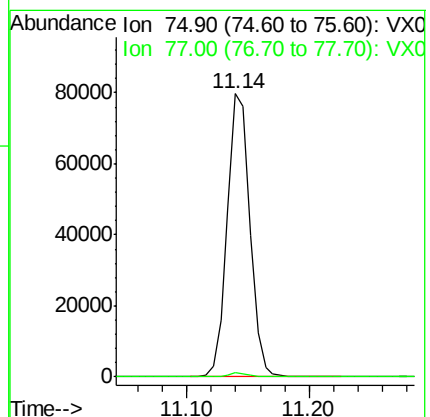
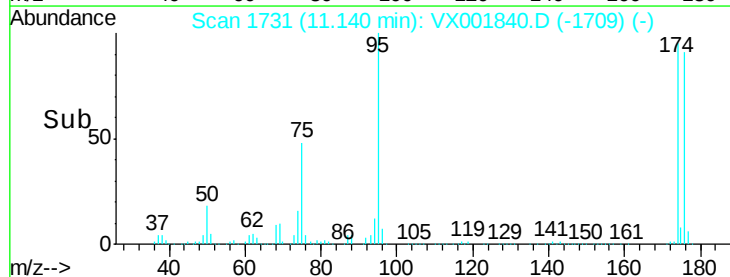
75 100

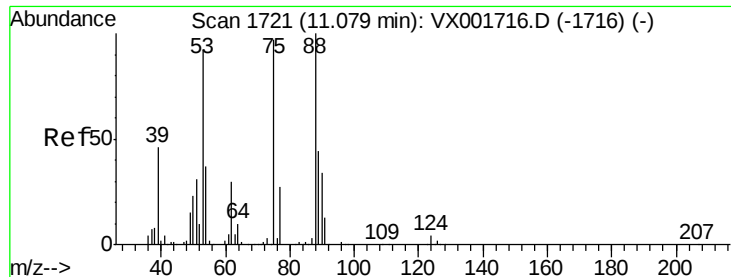
77 1.3 18.9 56.7#



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: 77.62 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001840.D
 Acq: 18 May 2018 21:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 102179
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#

