

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001839.D
 Acq On : 18 May 2018 21:07
 Operator : JC/MD
 Sample : J2986-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:27:52 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	308032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	435462	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	189674	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	232334	56.27	ug/l	0.00
Spiked Amount			Recovery	=	112.54%	
35) Dibromofluoromethane	5.51	113	200355	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
50) Toluene-d8	8.72	98	721963	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
62) 4-Bromofluorobenzene	11.14	95	206846	43.65	ug/l	0.00
Spiked Amount			Recovery	=	87.30%	

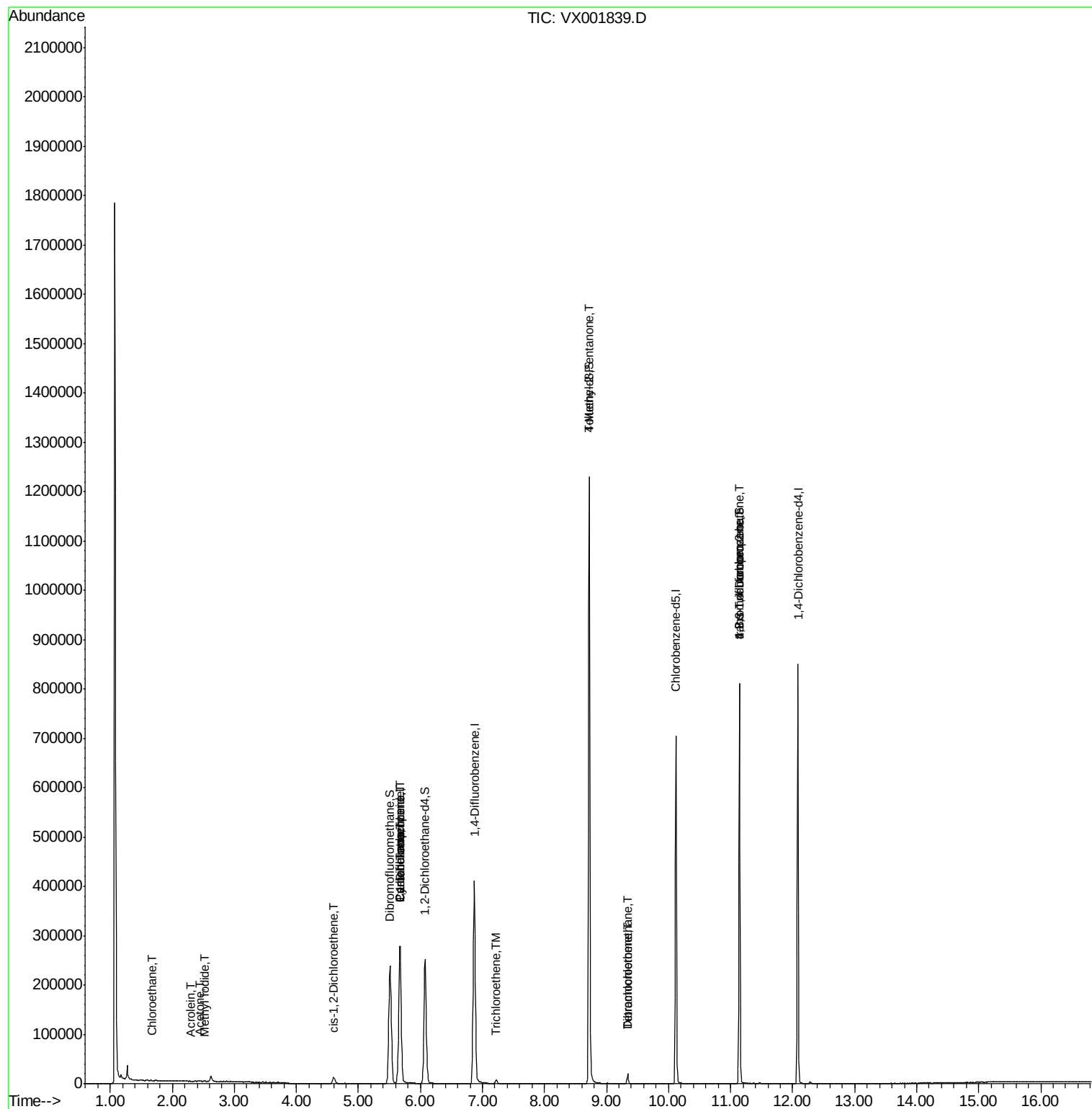
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	1013	Below Cal		82
6) Chloroethane	1.68	64	1467	0.65	ug/l #	44
10) Methyl Iodide	2.52	142	625	0.22	ug/l #	77
13) Acrolein	2.30	56	160	0.31	ug/l #	73
16) Acetone	2.45	43	1434	0.88	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	7808	2.05	ug/l	95
31) Cyclohexane	5.67	56	4145	0.80	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17036	3.40	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24996	4.76	ug/l #	15
44) Trichloroethene	7.22	130	2787	0.61	ug/l	98
51) 4-Methyl-2-Pentanone	8.72	43	3004	0.58	ug/l #	1
60) Dibromochloromethane	9.34	129	3499	0.94	ug/l #	11
64) Tetrachloroethene	9.34	164	4297	0.96	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	97242	26.96	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	97242	78.34	ug/l #	10

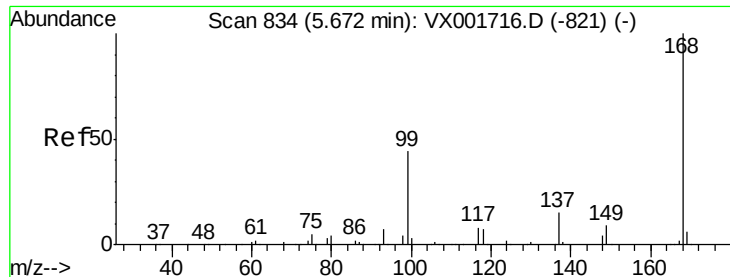
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA_X

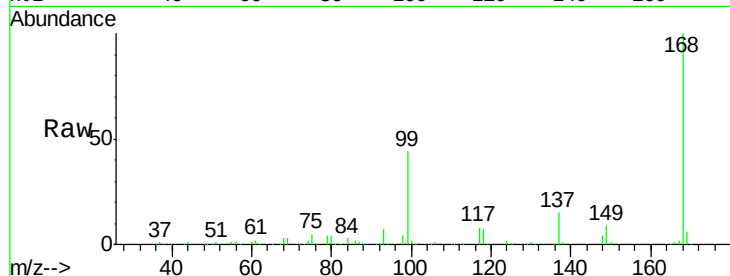
ClientSampleId :

Tot Ion:168 Resp: 308032

Ion Ratio Lower Upper

168 100

99 43.8 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

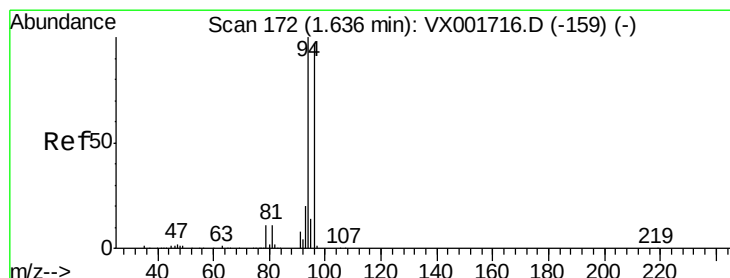
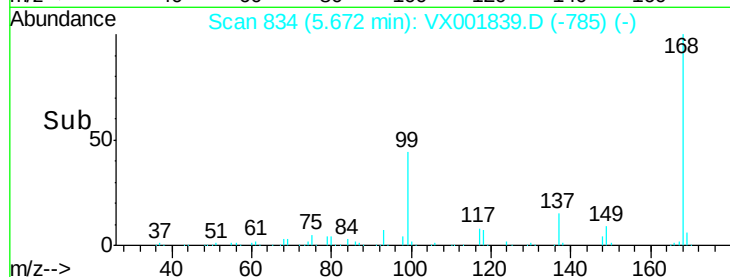
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001839.D

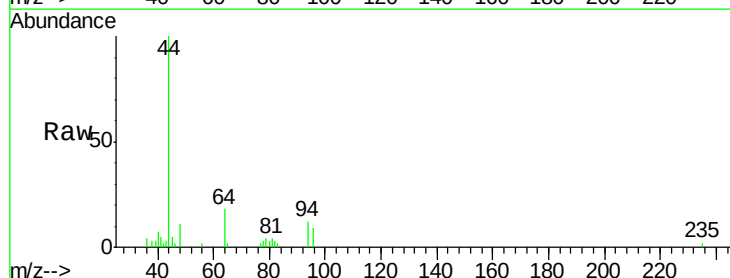
Acq: 18 May 2018 21:07

Tgt Ion: 94 Resp: 1013

Ion Ratio Lower Upper

94 100

96 78.9 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

400

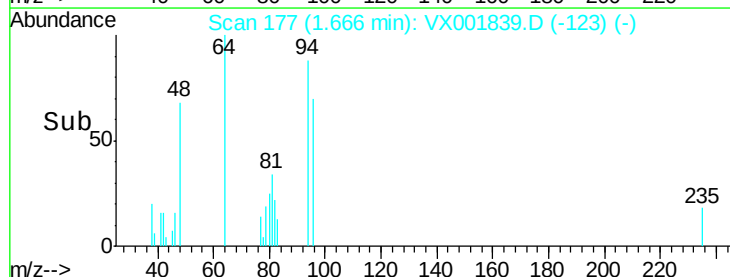
300

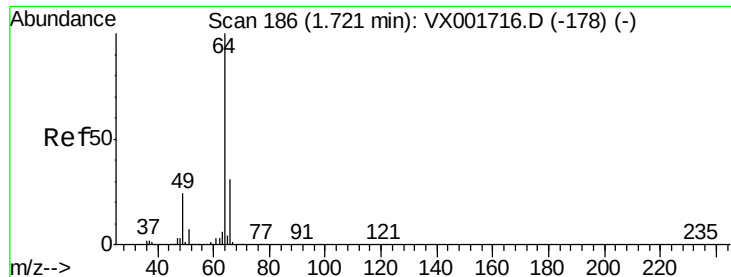
200

100

0

Time--> 1.60 1.65 1.70 1.75





#6

Chloroethane

Concen: 0.65 ug/l

RT: 1.68 min Scan# 179

Delta R.T. -0.04 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA_X

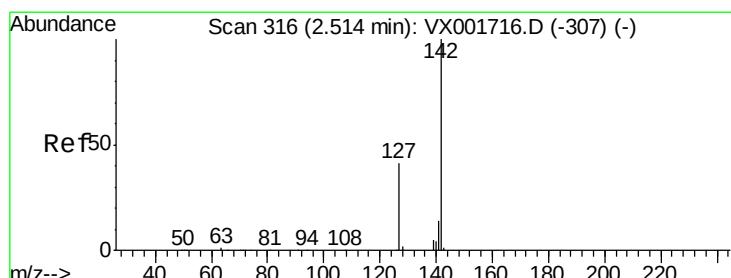
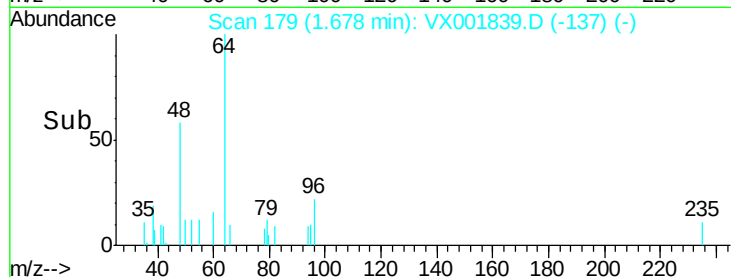
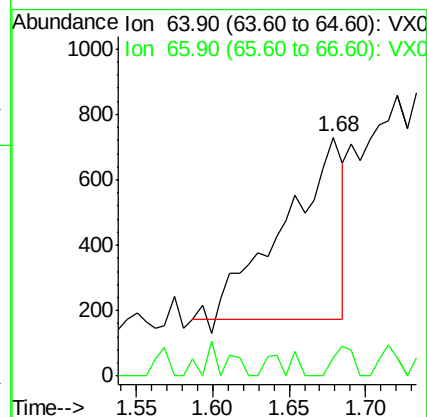
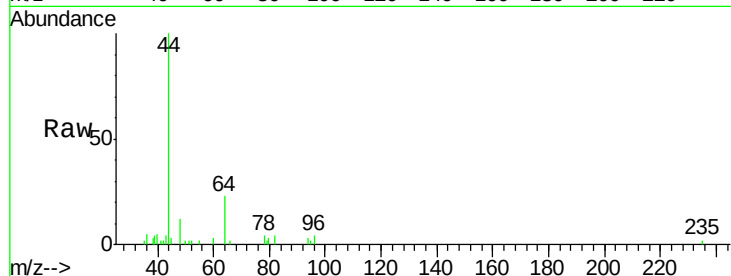
ClientSampleId :

Tot Ion: 64 Resp: 1467

Ion Ratio Lower Upper

64 100

66 0.4 25.2 37.8#



#10

Methyl Iodide

Concen: 0.22 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

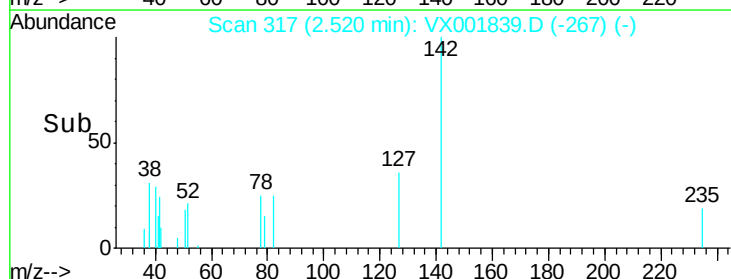
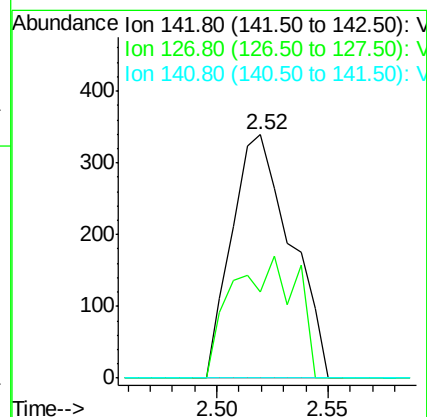
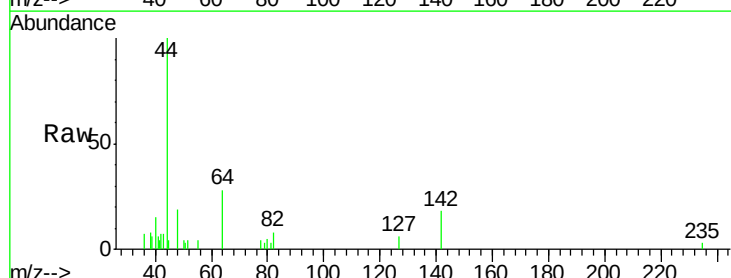
Tgt Ion: 142 Resp: 625

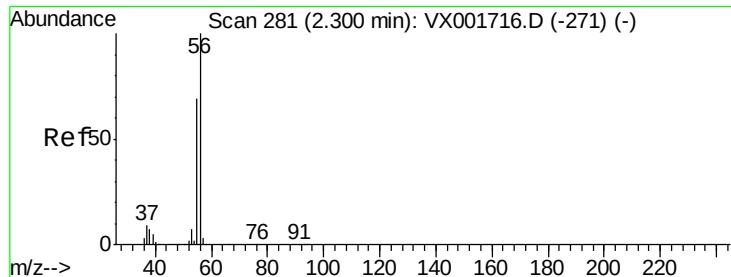
Ion Ratio Lower Upper

142 100

127 28.8 32.5 48.7#

141 0.0 11.4 17.0#





#13

Acrolein

Concen: 0.31 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA_X

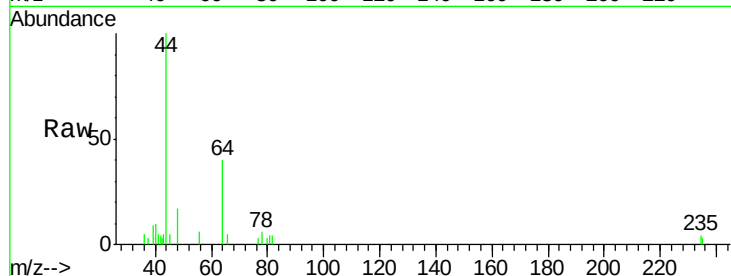
ClientSampleId :

Tot Ion: 56 Resp: 160

Ion Ratio Lower Upper

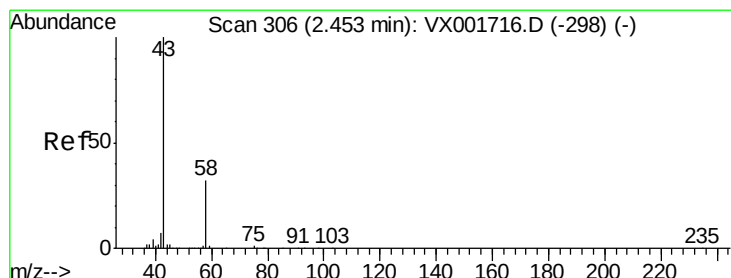
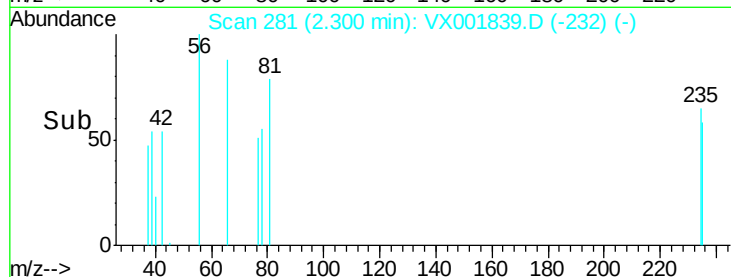
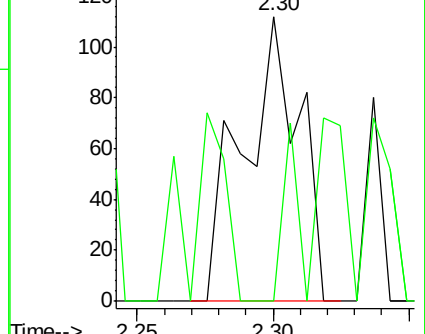
56 100

55 48.1 56.2 84.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.88 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001839.D

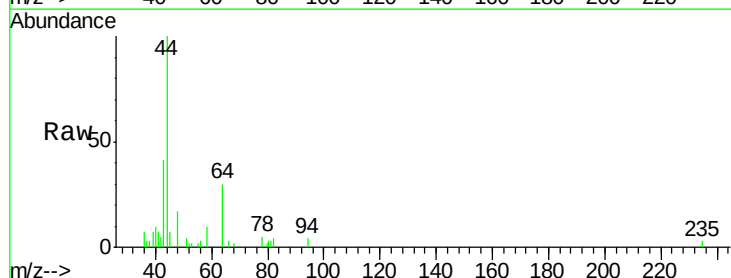
Acq: 18 May 2018 21:07

Tgt Ion: 43 Resp: 1434

Ion Ratio Lower Upper

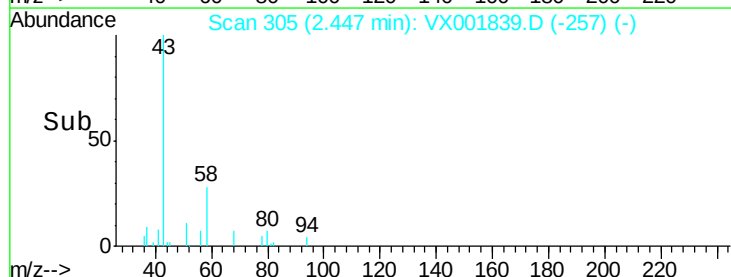
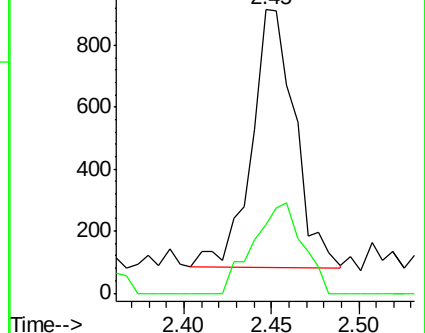
43 100

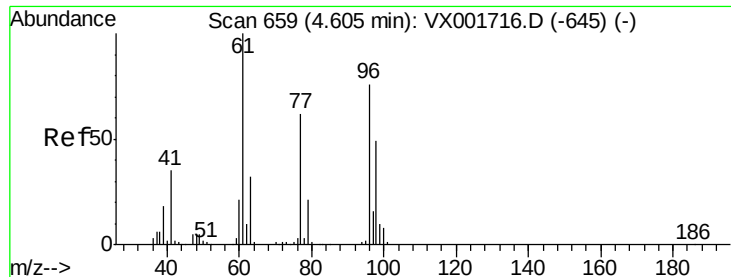
58 26.8 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 2.05 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA_X

ClientSampled :

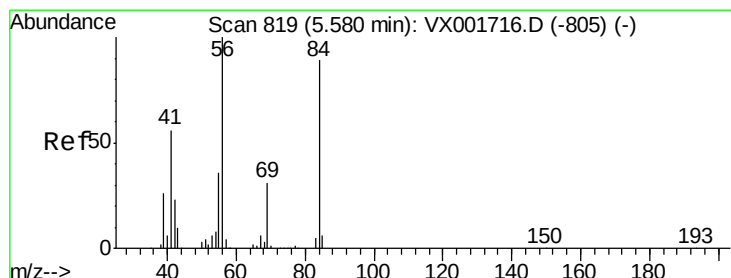
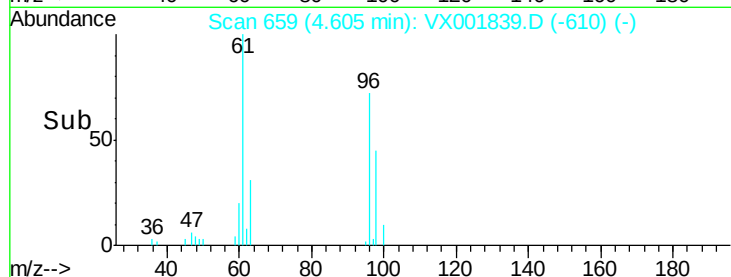
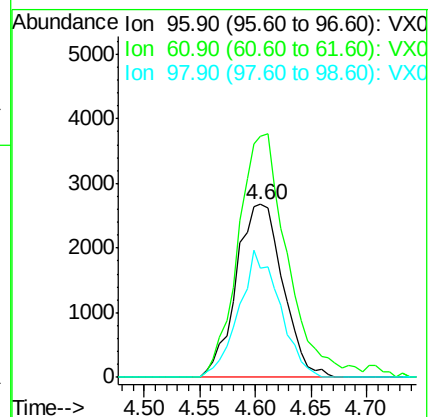
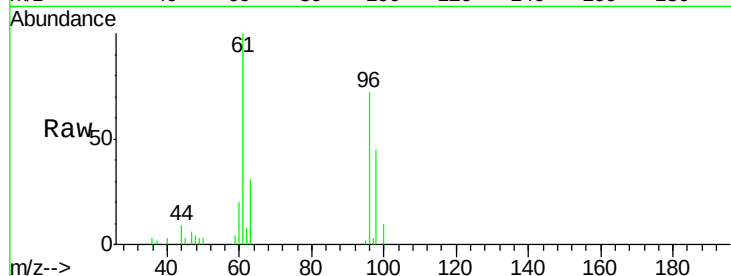
Tot Ion: 96 Resp: 7808

Ion Ratio Lower Upper

96 100

61 148.3 0.0 280.4

98 64.4 0.0 128.4



#31

Cyclohexane

Concen: 0.80 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

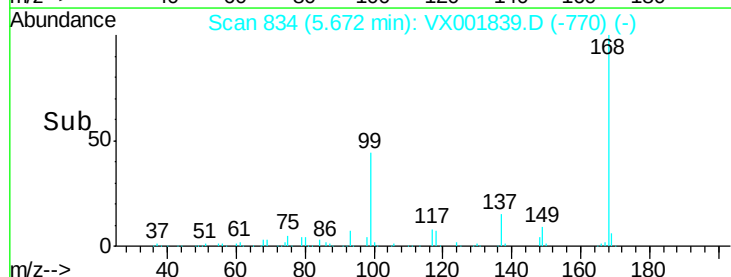
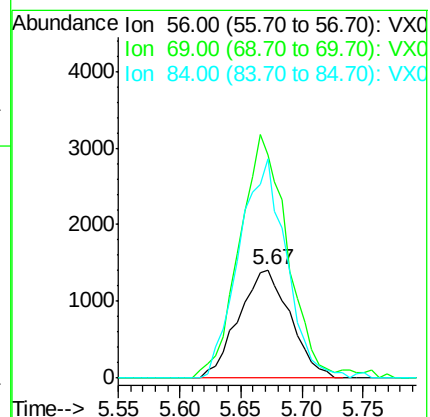
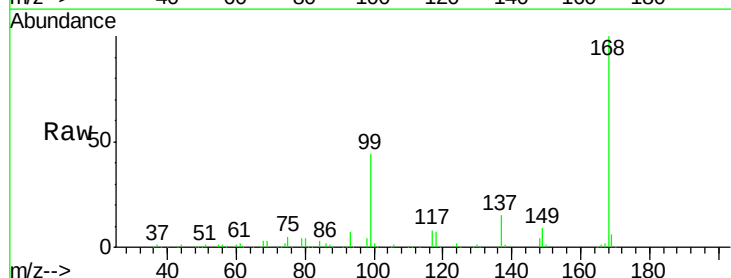
Tgt Ion: 56 Resp: 4145

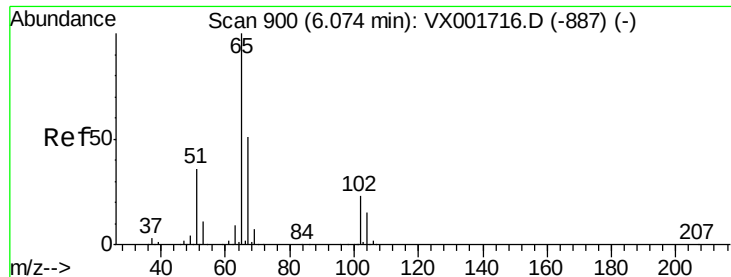
Ion Ratio Lower Upper

56 100

69 205.7 25.0 37.6#

84 201.8 71.0 106.4#

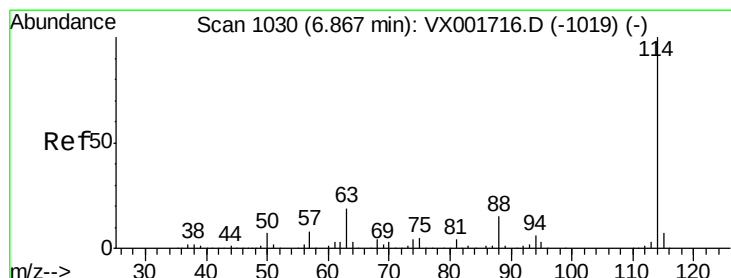
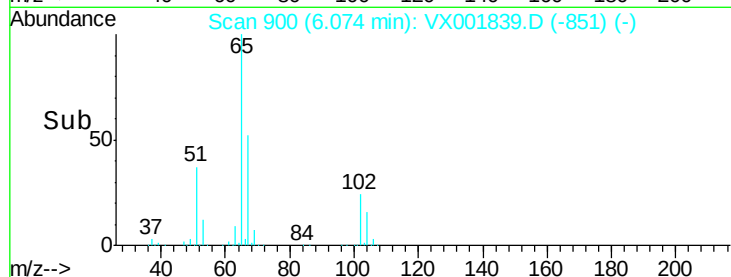
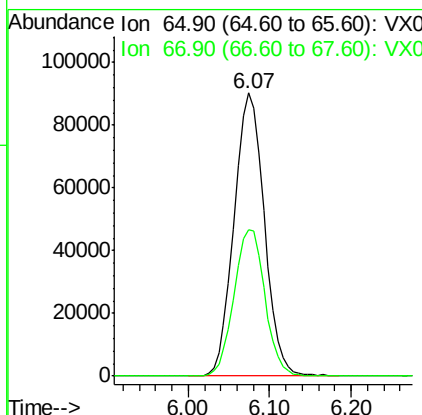
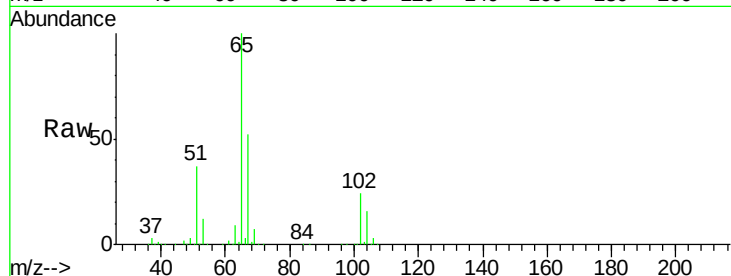




#33
 1,2-Dichloroethane-d4
 Concen: 56.27 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001839.D
 Acq: 18 May 2018 21:07

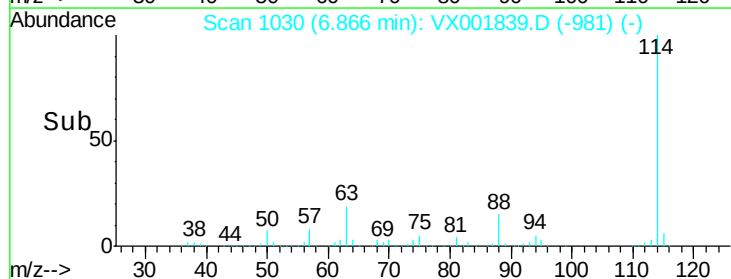
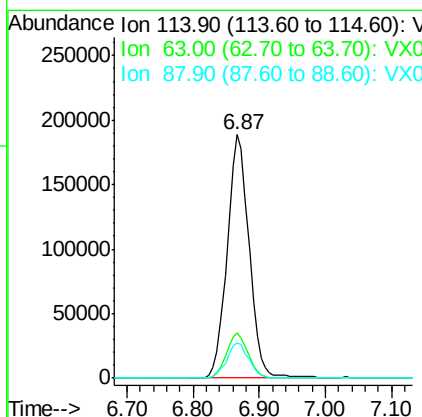
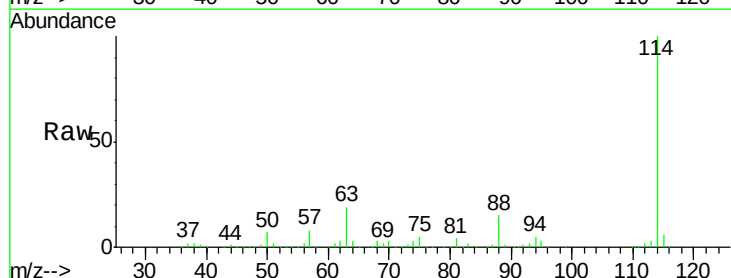
Instrument :
 MSVOA_X
 ClientSampled :

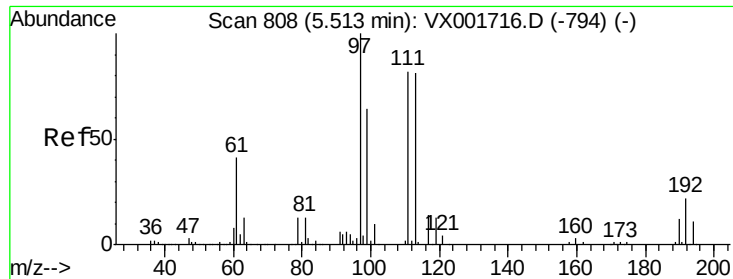
Tot Ion: 65 Resp: 232334
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001839.D
 Acq: 18 May 2018 21:07

Tgt Ion: 114 Resp: 435462
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.0
 88 14.6 0.0 29.8

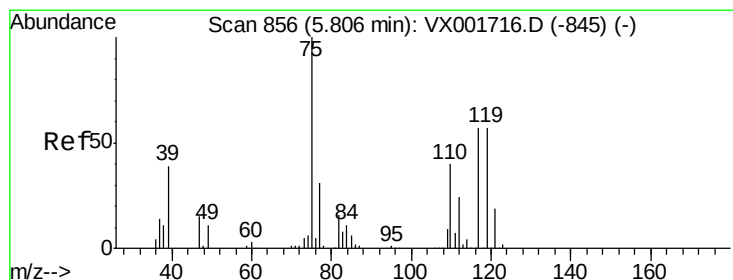
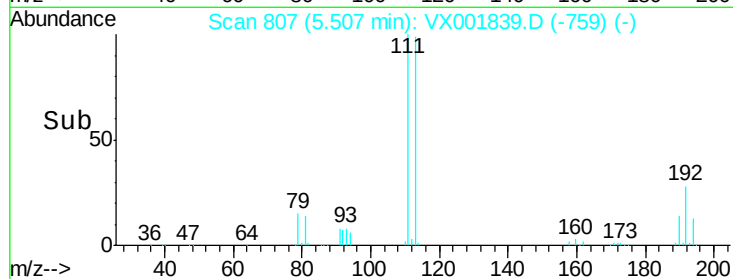
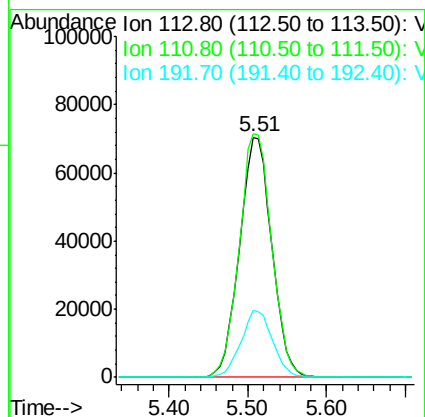
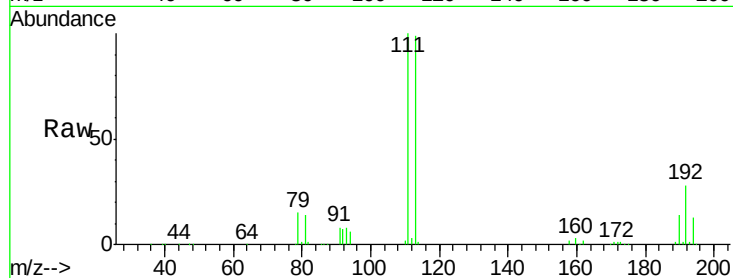




#35
 Dibromofluoromethane
 Concen: 54.52 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001839.D
 Acq: 18 May 2018 21:07

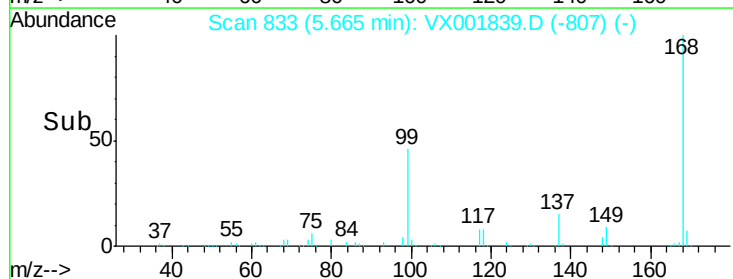
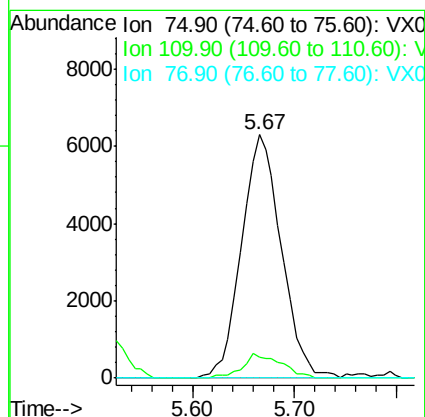
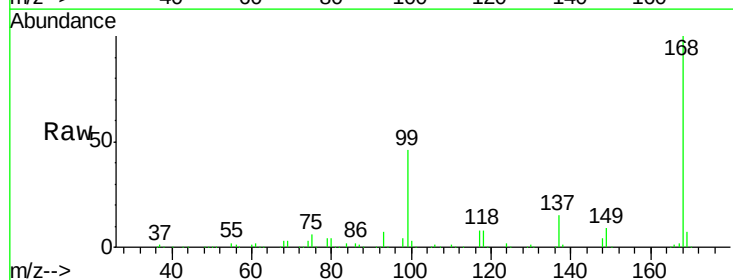
Instrument :
 MSVOA_X
 ClientSampleId :

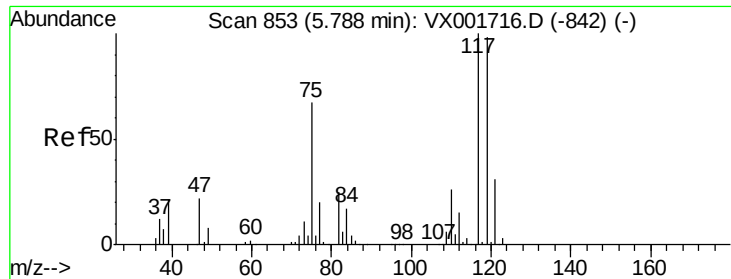
Tot Ion:113 Resp: 200355
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.0 123.0
 192 27.3 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.40 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001839.D
 Acq: 18 May 2018 21:07

Tgt Ion: 75 Resp: 17036
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.1 57.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.76 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :

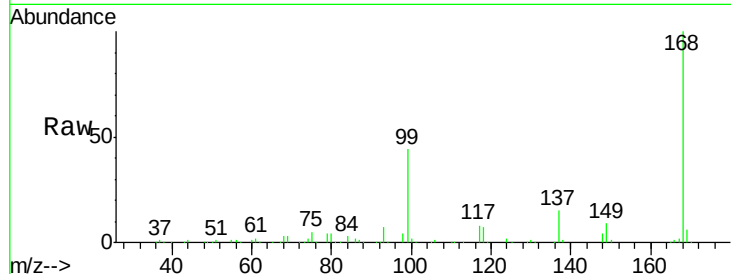
Tot Ion:117 Resp: 24996

Ion Ratio Lower Upper

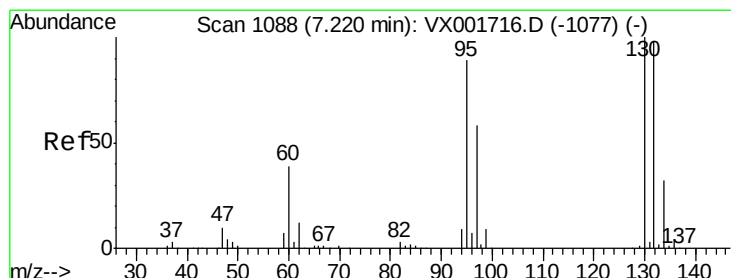
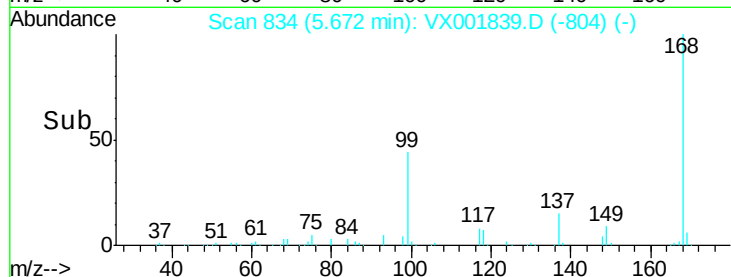
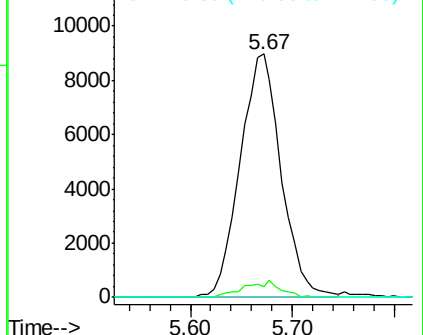
117 100

119 4.6 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: 0.61 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001839.D

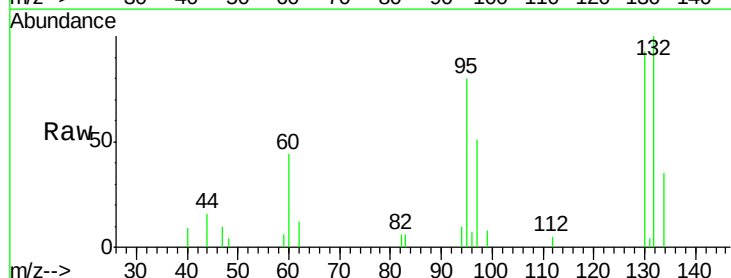
Acq: 18 May 2018 21:07

Tgt Ion:130 Resp: 2787

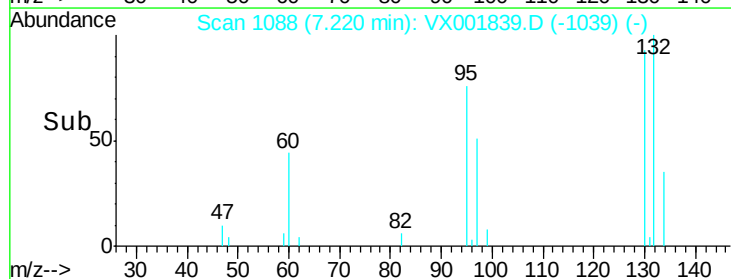
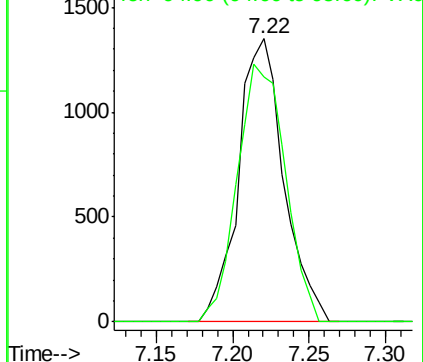
Ion Ratio Lower Upper

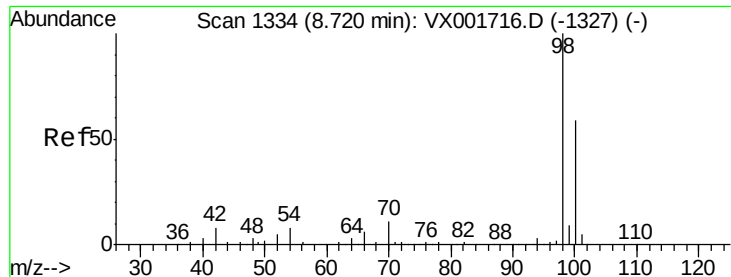
130 100

95 86.4 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

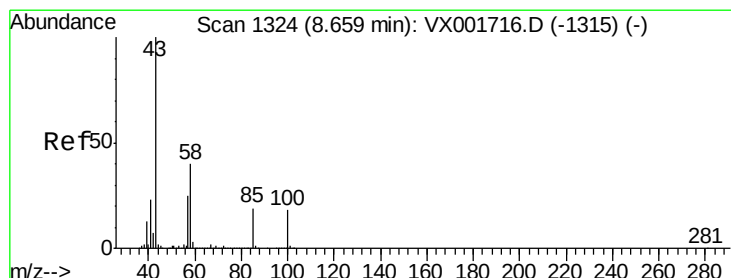
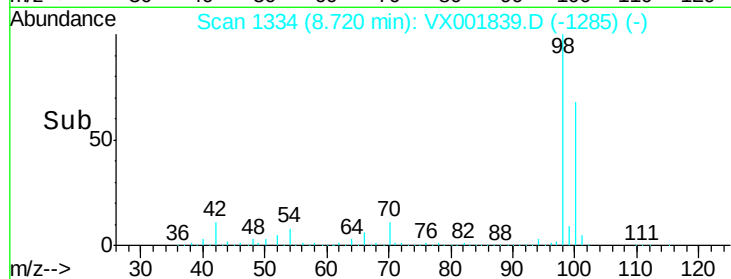
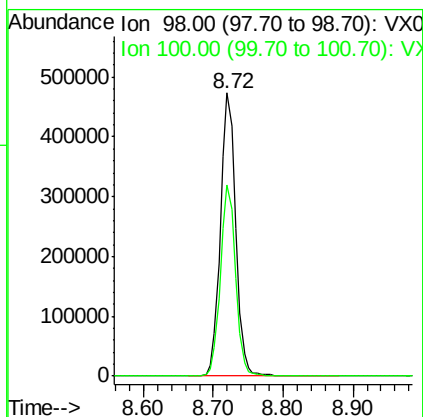
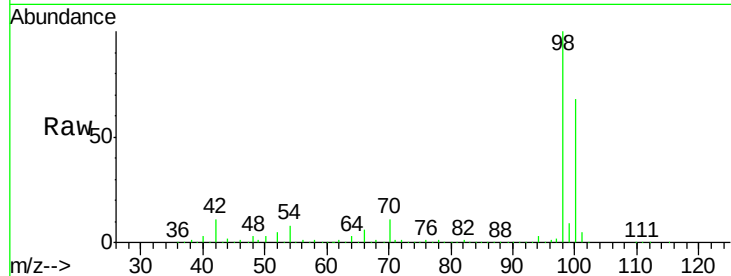




#50
Toluene-d8
Concen: 54.85 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001839.D
Acq: 18 May 2018 21:07

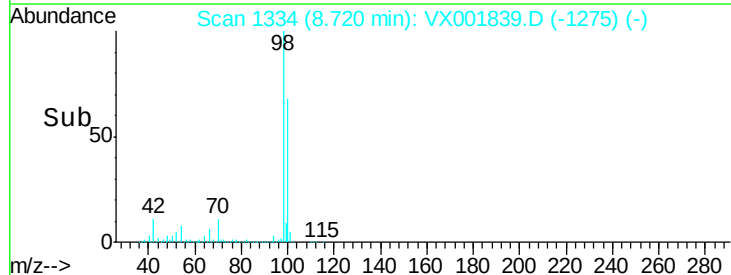
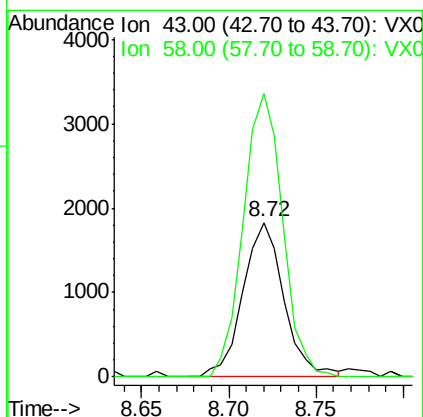
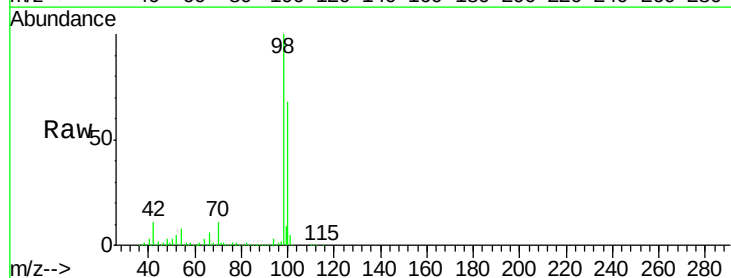
Instrument :
MSVOA_X
ClientSampleId :

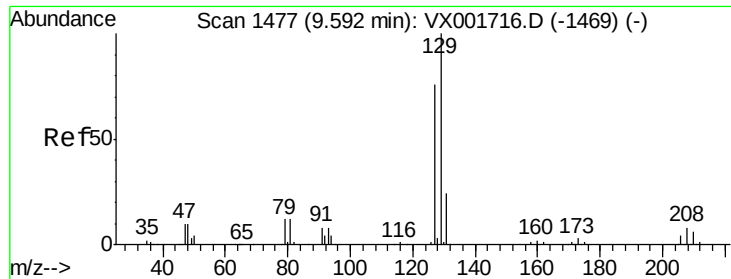
Tot Ion: 98 Resp: 721963
Ion Ratio Lower Upper
98 100
100 67.1 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.58 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001839.D
Acq: 18 May 2018 21:07

Tgt Ion: 43 Resp: 3004
Ion Ratio Lower Upper
43 100
58 175.8 31.4 47.0#





#60

Dibromochloromethane

Concen: 0.94 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA_X

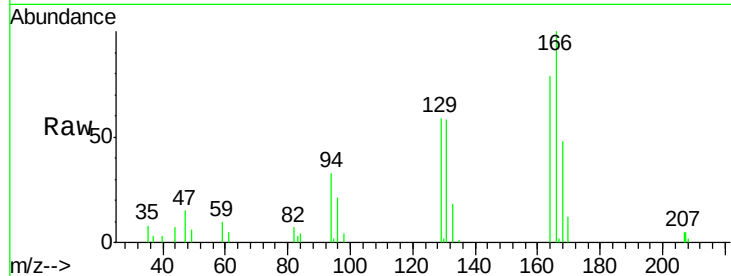
ClientSampleId :

Tot Ion:129 Resp: 3499

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

2500

2000

1500

1000

500

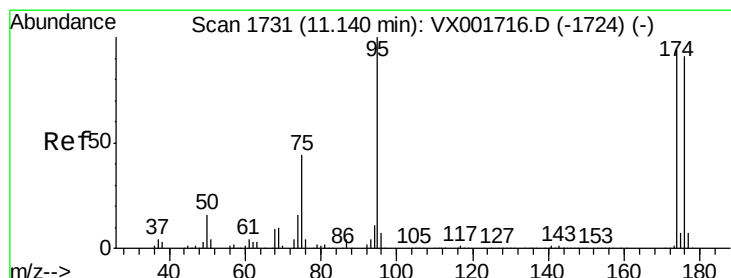
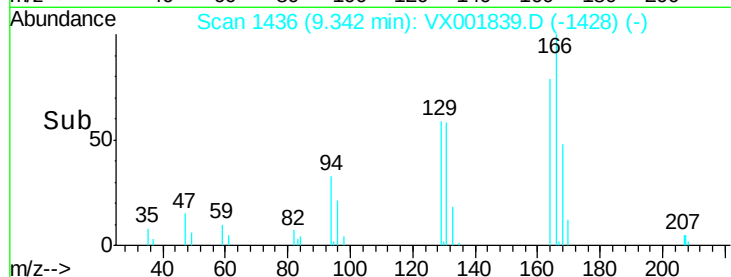
0

9.30

9.34

9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 43.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

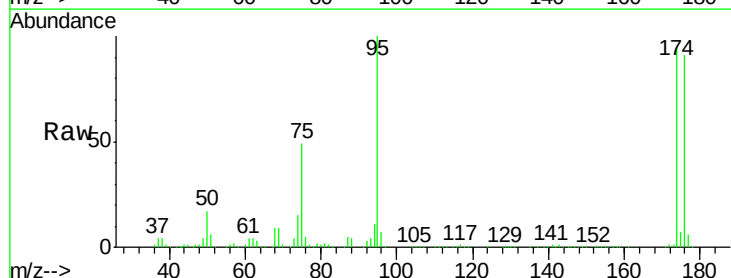
Tgt Ion: 95 Resp: 206846

Ion Ratio Lower Upper

95 100

174 103.5 0.0 201.8

176 100.6 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

200000

150000

100000

50000

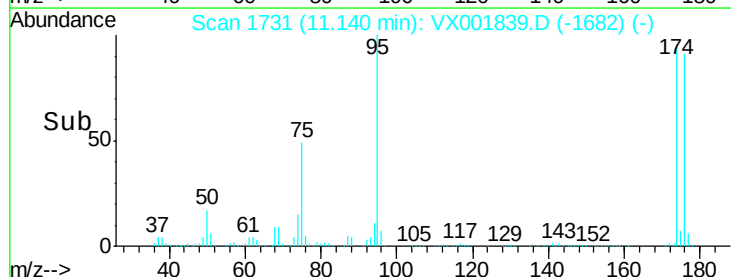
0

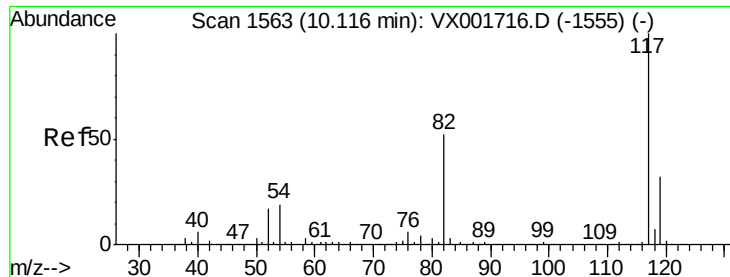
11.10

11.14

11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA_X

ClientSampleId :

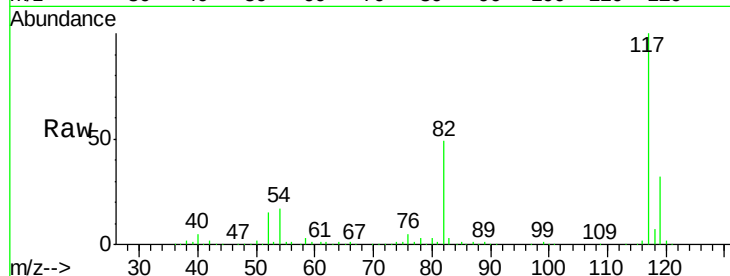
Tot Ion:117 Resp: 345011

Ion Ratio Lower Upper

117 100

82 49.1 41.4 62.2

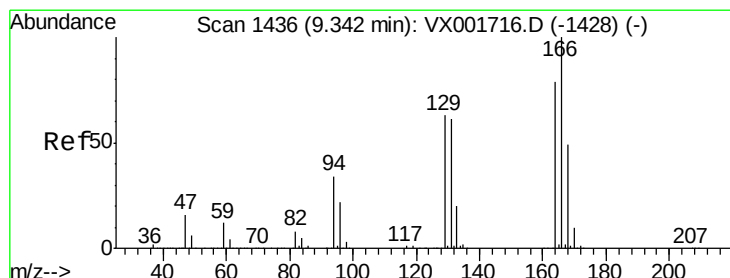
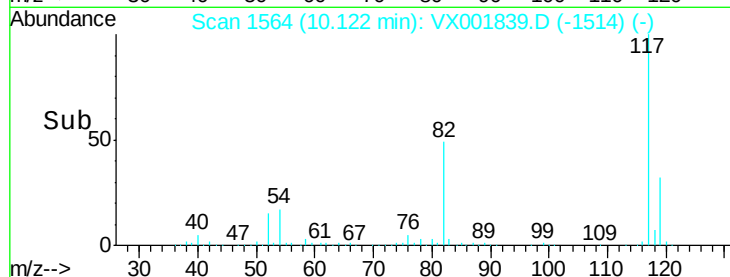
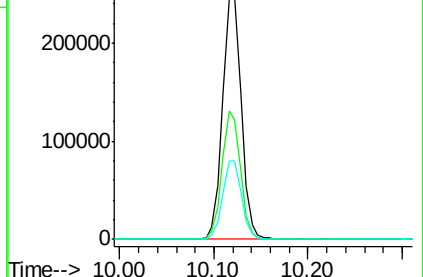
119 32.1 25.6 38.4



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: 0.96 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Tgt Ion:164 Resp: 4297

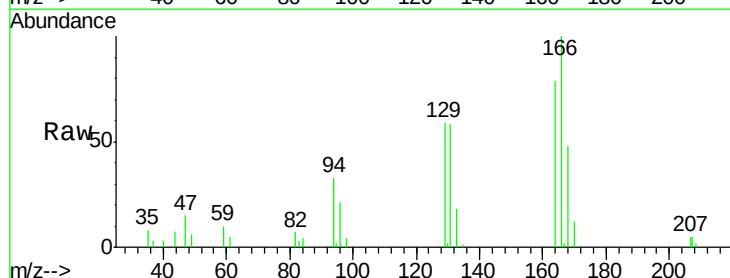
Ion Ratio Lower Upper

164 100

166 127.2 101.8 152.8

129 74.8 63.8 95.6

131 73.3 62.2 93.2

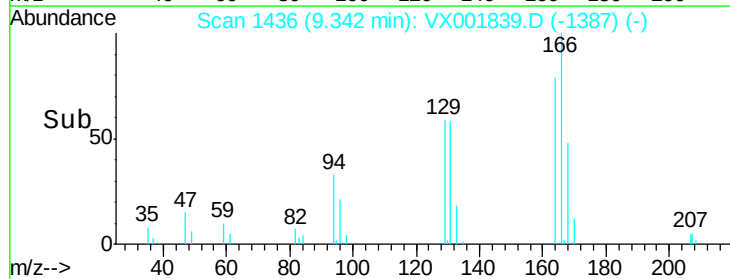
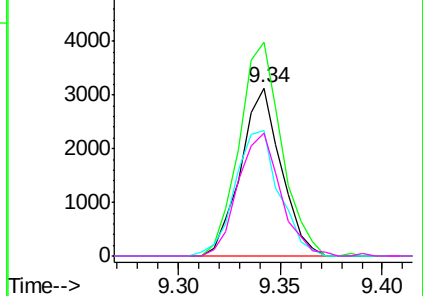


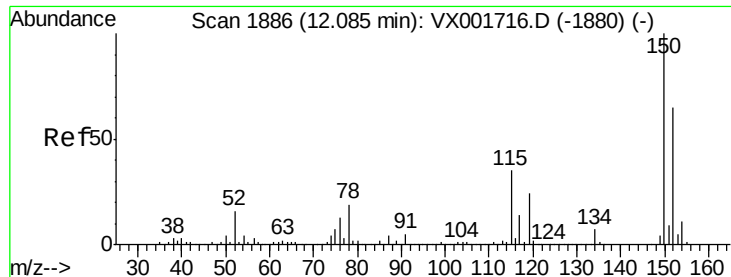
Abundance Ion 163.80 (163.50 to 164.50): V

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: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA_X

ClientSampleId :

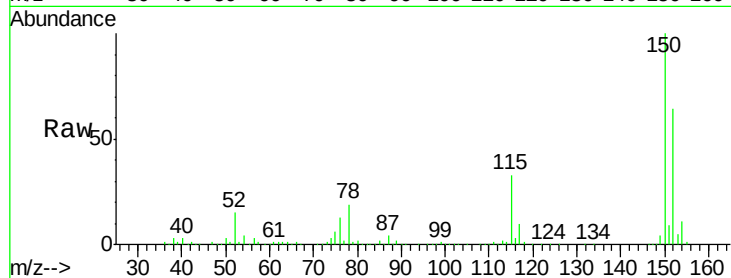
Tot Ion:152 Resp: 189674

Ion Ratio Lower Upper

152 100

115 51.5 37.4 112.2

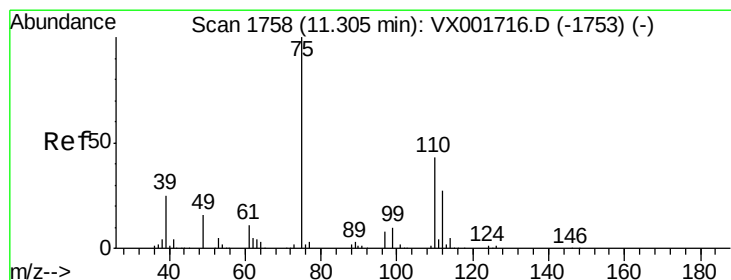
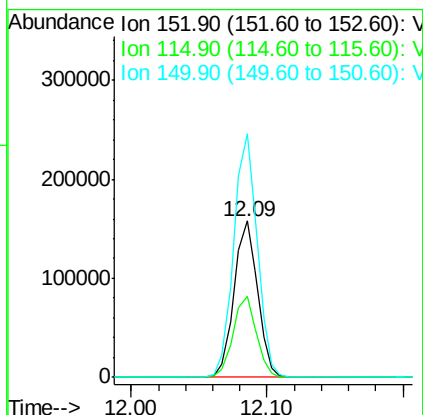
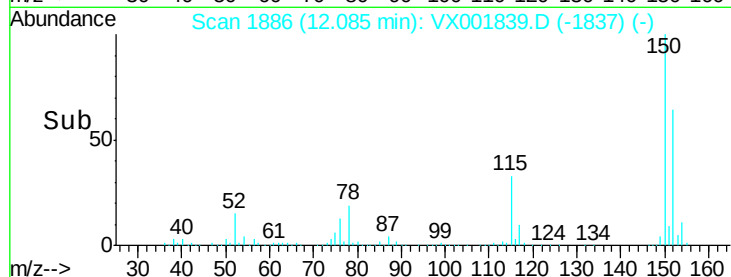
150 155.6 0.0 344.8



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: 26.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001839.D

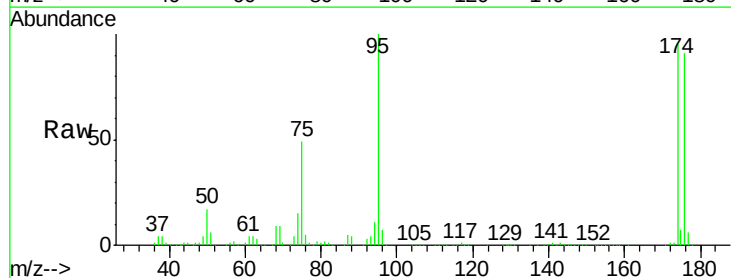
Acq: 18 May 2018 21:07

Tgt Ion: 75 Resp: 97242

Ion Ratio Lower Upper

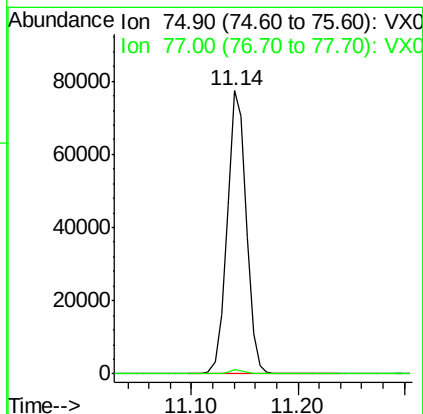
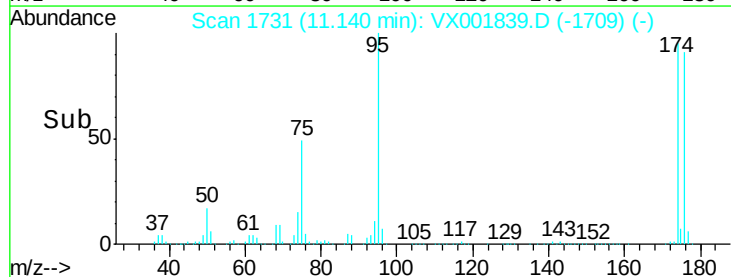
75 100

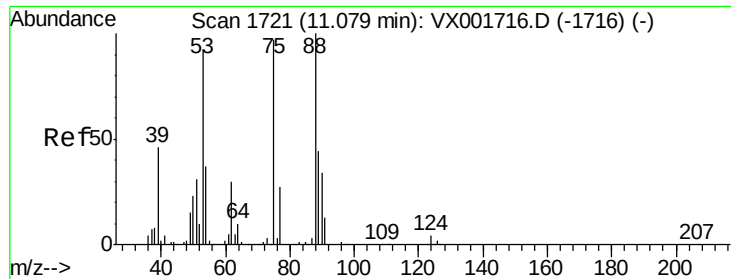
77 1.3 18.9 56.7#



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: 78.34 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001839.D
 Acq: 18 May 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 97242
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#

