

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX051818\
 Data File : VX001838.D
 Acq On : 18 May 2018 20:41
 Operator : JC/MD
 Sample : J2986-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:27:26 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	312214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	437138	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	346180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	187688	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	227935	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	
35) Dibromofluoromethane	5.51	113	195291	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
50) Toluene-d8	8.72	98	706906	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	11.14	95	201120	42.28	ug/l	0.00
Spiked Amount			Recovery	=	84.56%	

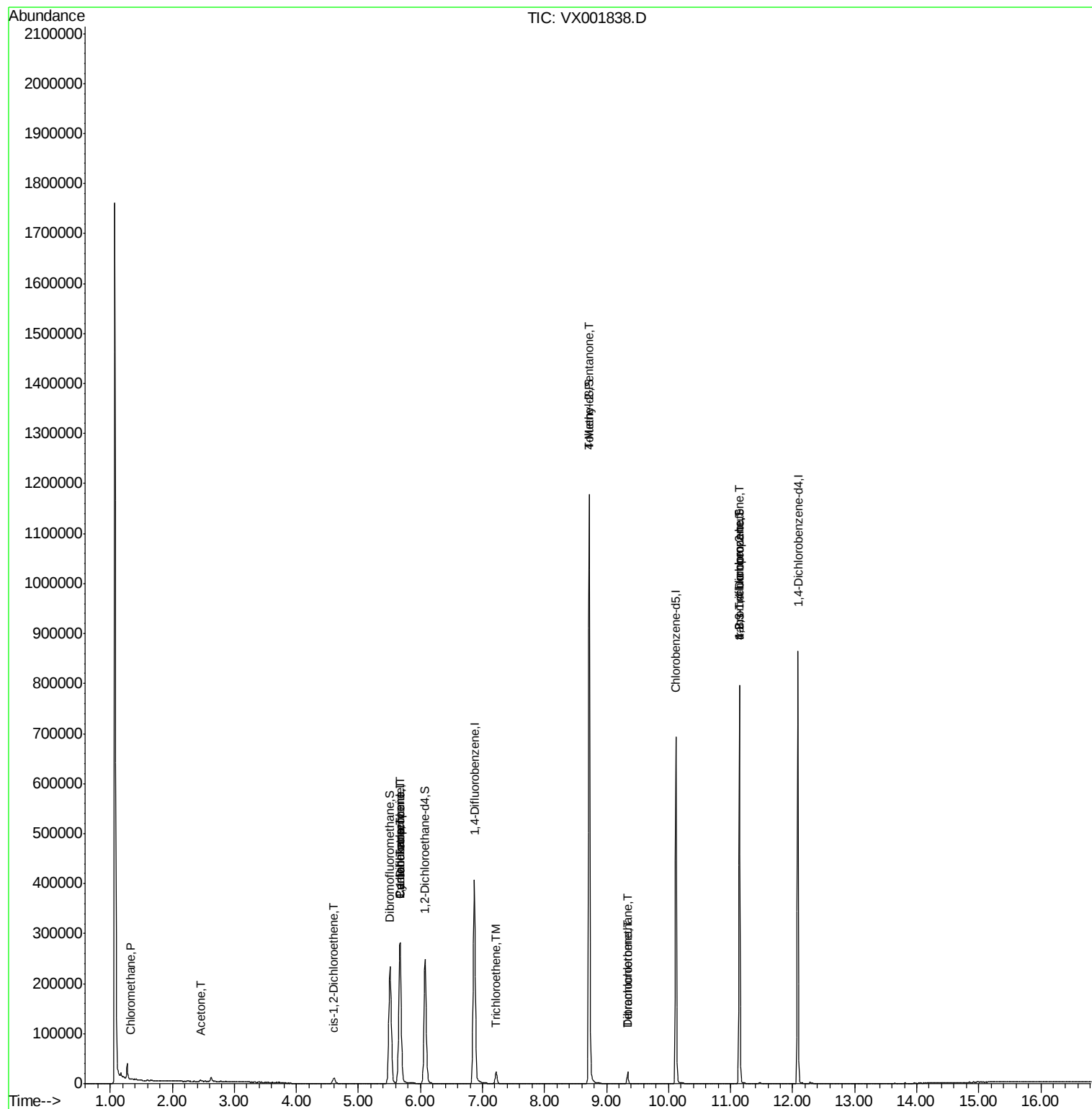
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	717	0.21	ug/l	92
5) Bromomethane	1.65	94	940	Below Cal		93
16) Acetone	2.45	43	3397	2.07	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	6959	1.80	ug/l	92
31) Cyclohexane	5.67	56	4732	0.90	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17851	3.55	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25286	4.80	ug/l #	16
44) Trichloroethene	7.22	130	10136	2.20	ug/l	97
51) 4-Methyl-2-Pentanone	8.72	43	2695	0.52	ug/l #	1
60) Dibromochloromethane	9.34	129	4488	1.20	ug/l #	11
64) Tetrachloroethene	9.34	164	5040	1.12	ug/l #	78
76) 1,2,3-Trichloropropane	11.14	75	93461	26.19	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	93461	76.19	ug/l #	10

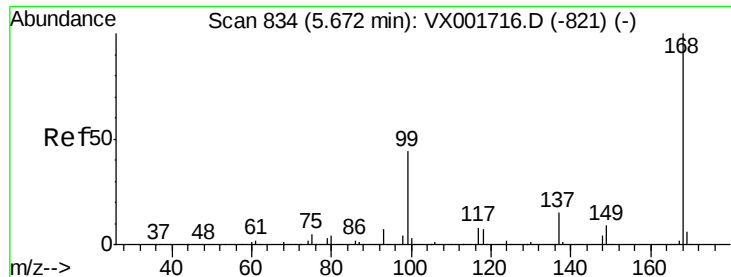
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001838.D

Acq: 18 May 2018 20:41

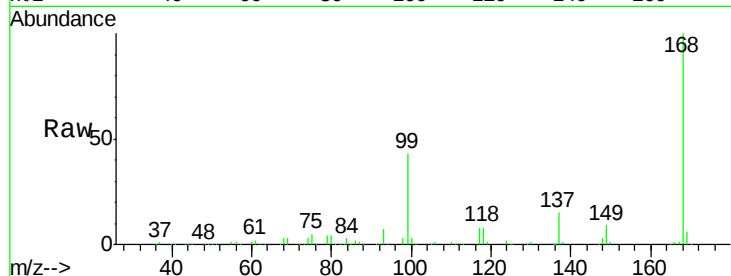
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 312214

Ion Ratio Lower Upper

168 100

99 43.3 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

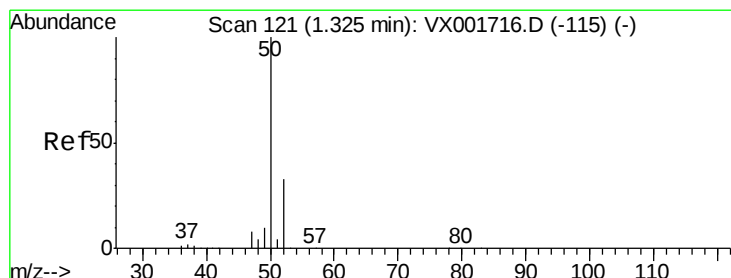
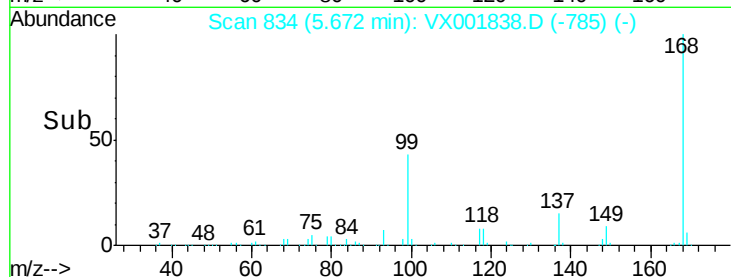
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001838.D

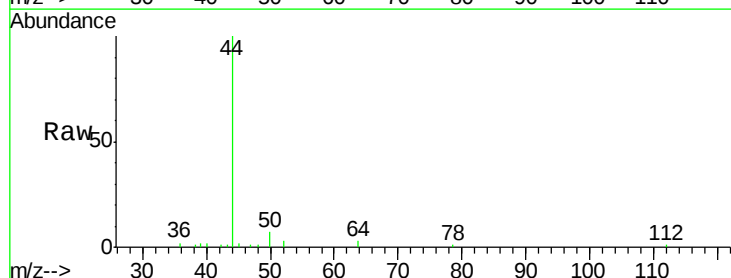
Acq: 18 May 2018 20:41

Tgt Ion: 50 Resp: 717

Ion Ratio Lower Upper

50 100

52 37.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

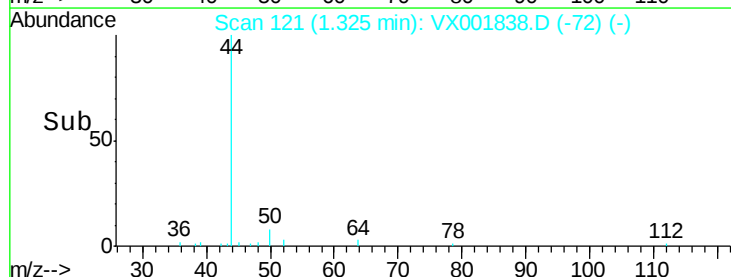
300

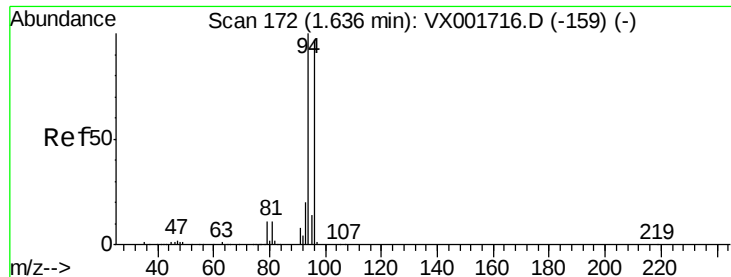
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001838.D

Acq: 18 May 2018 20:41

Instrument :

MSVOA_X

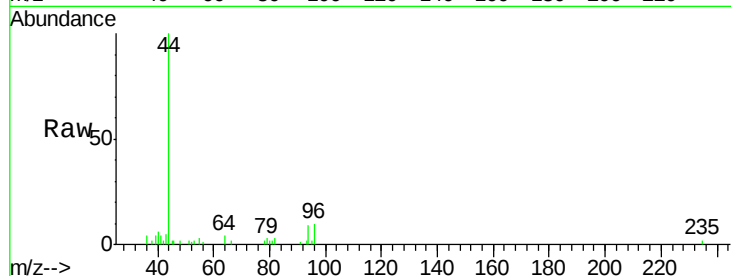
ClientSampled :

Tot Ion: 94 Resp: 940

Ion Ratio Lower Upper

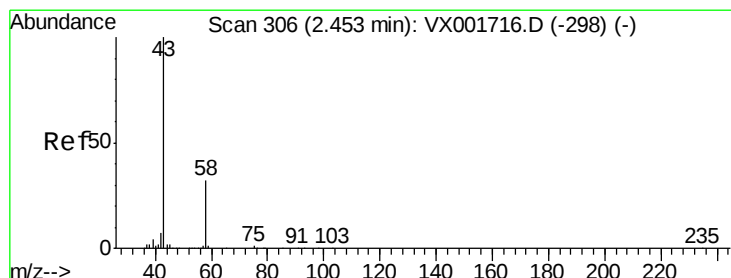
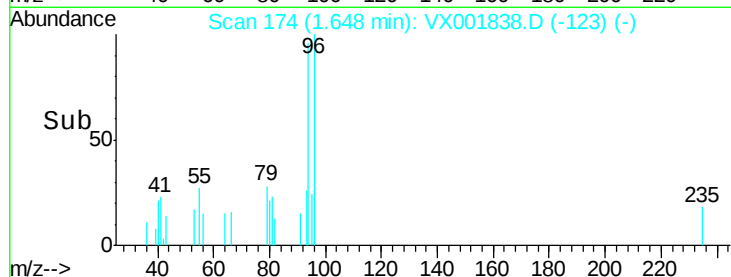
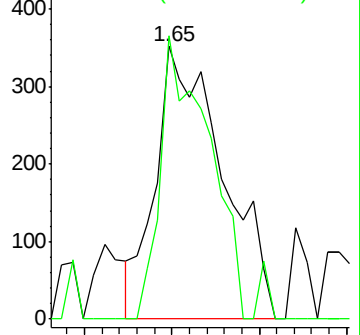
94 100

96 103.7 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#16

Acetone

Concen: 2.07 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001838.D

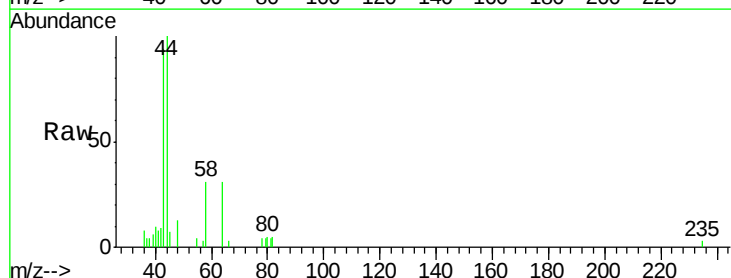
Acq: 18 May 2018 20:41

Tgt Ion: 43 Resp: 3397

Ion Ratio Lower Upper

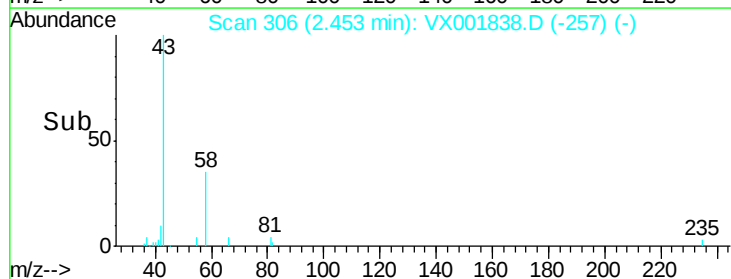
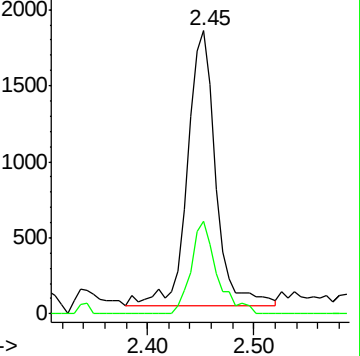
43 100

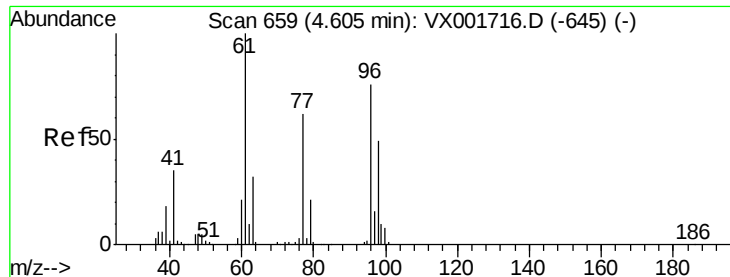
58 33.7 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



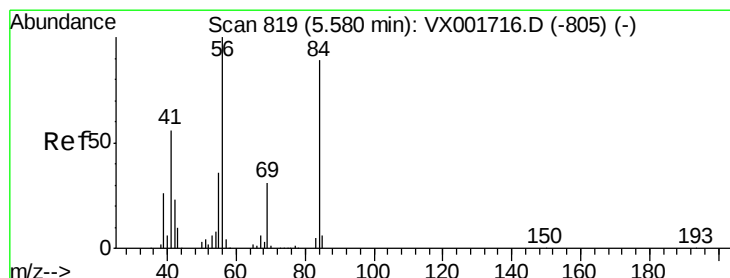
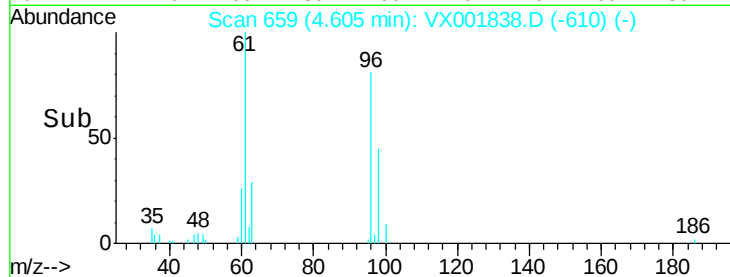
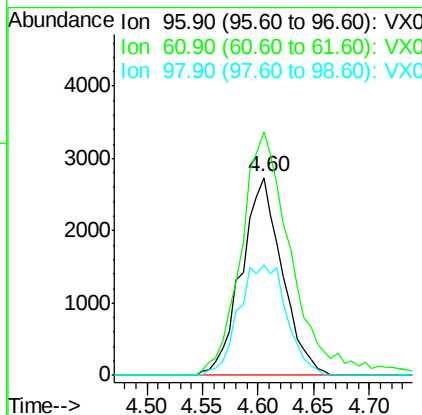
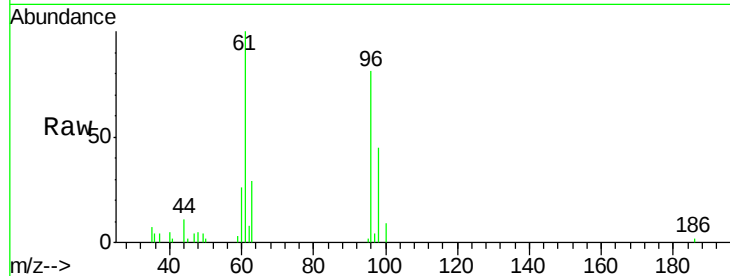


#27

cis-1,2-Dichloroethene
Concen: 1.80 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001838.D
Acq: 18 May 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :

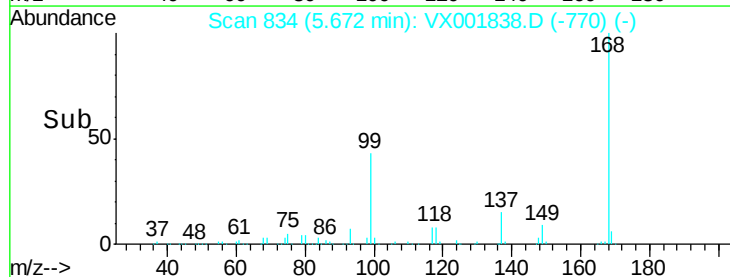
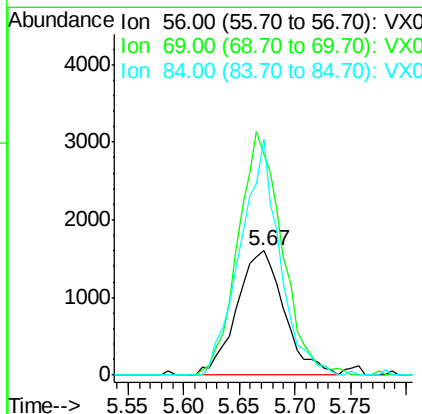
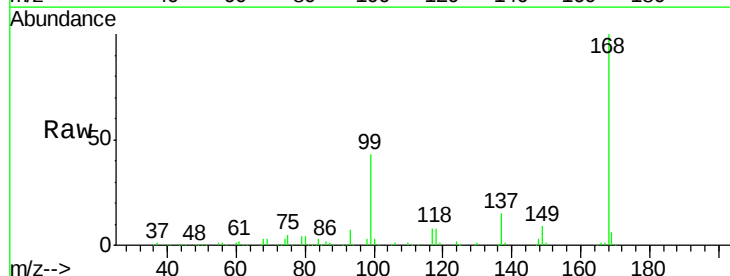
Tot Ion: 96 Resp: 6959
Ion Ratio Lower Upper
96 100
61 153.3 0.0 280.4
98 65.7 0.0 128.4

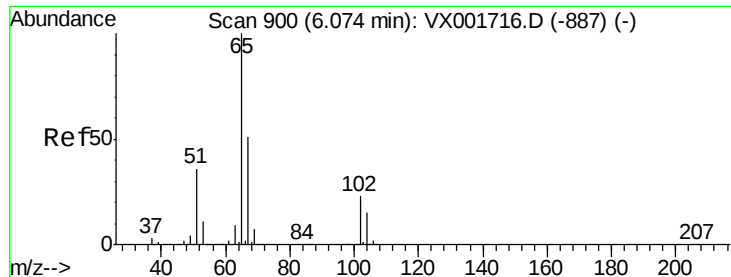


#31

Cyclohexane
Concen: 0.90 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001838.D
Acq: 18 May 2018 20:41

Tgt Ion: 56 Resp: 4732
Ion Ratio Lower Upper
56 100
69 178.0 25.0 37.6#
84 197.4 71.0 106.4#

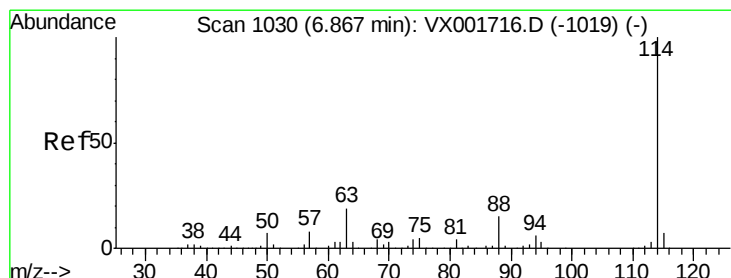
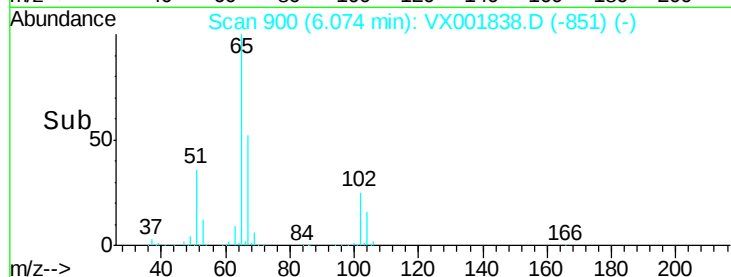
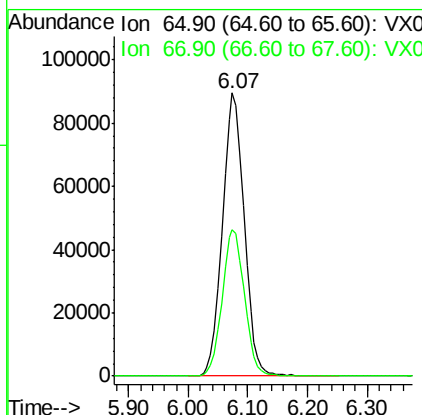
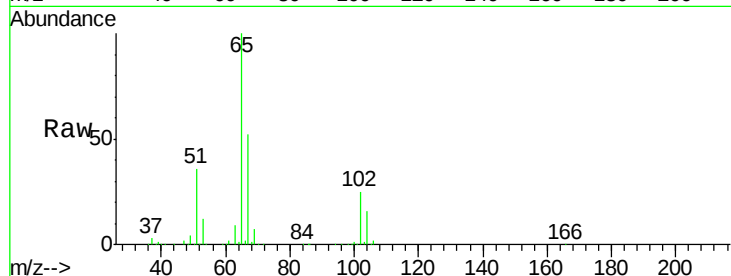




#33
 1,2-Dichloroethane-d4
 Concen: 54.47 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001838.D
 Acq: 18 May 2018 20:41

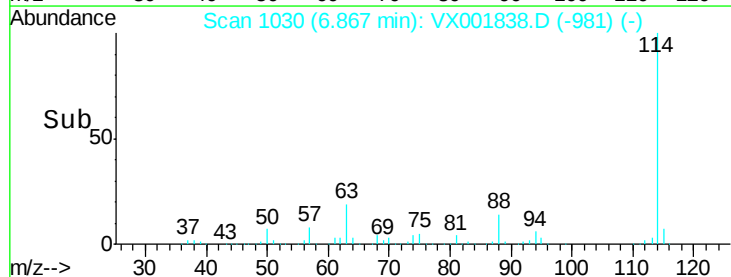
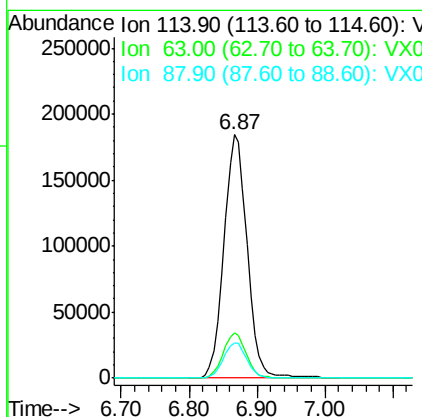
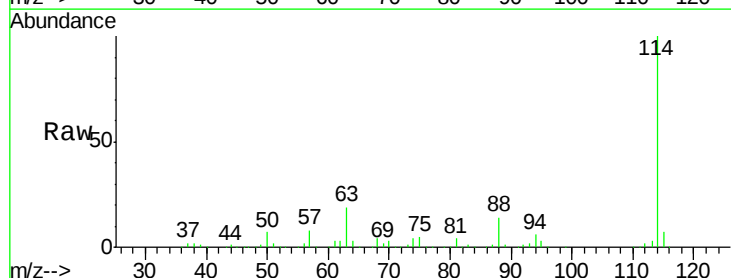
Instrument :
 MSVOA_X
 ClientSampled :

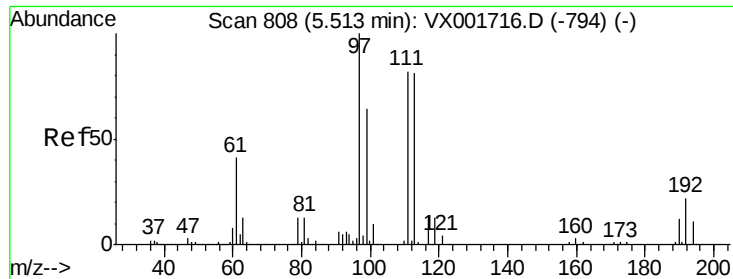
Tot Ion: 65 Resp: 227935
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001838.D
 Acq: 18 May 2018 20:41

Tgt Ion: 114 Resp: 437138
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.0
 88 14.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 52.94 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001838.D

Acq: 18 May 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :

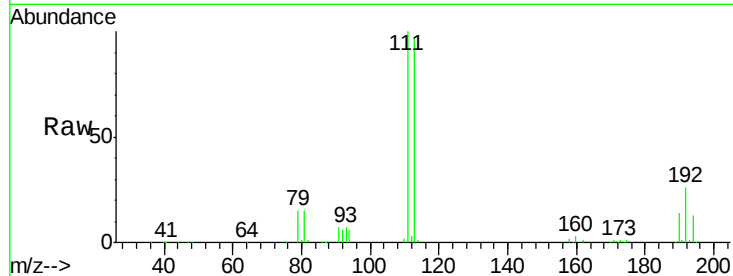
Tot Ion:113 Resp: 195291

Ion Ratio Lower Upper

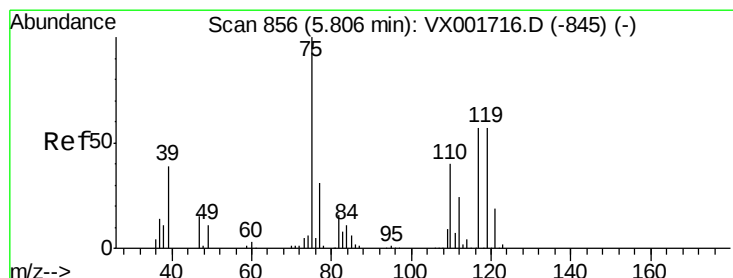
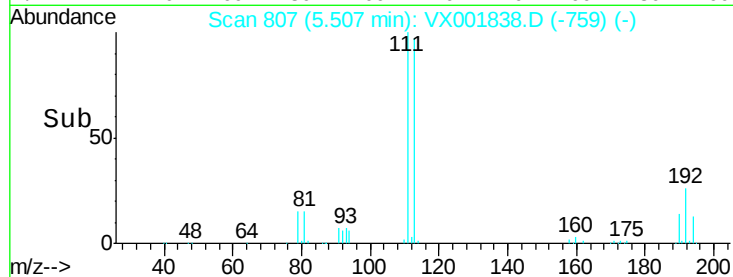
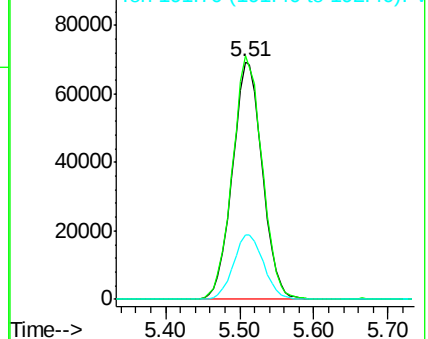
113 100

111 102.0 82.0 123.0

192 27.3 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: 3.55 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001838.D

Acq: 18 May 2018 20:41

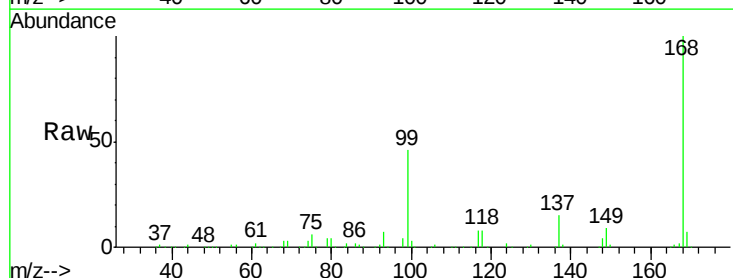
Tgt Ion: 75 Resp: 17851

Ion Ratio Lower Upper

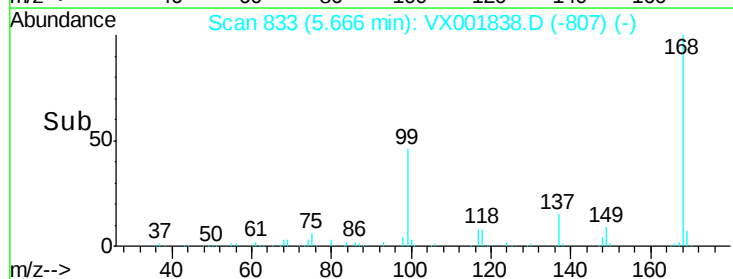
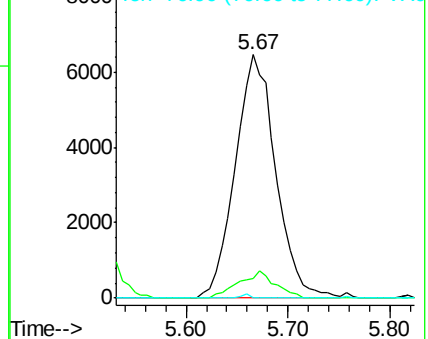
75 100

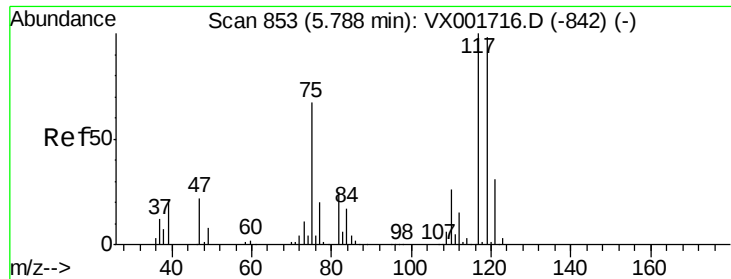
110 10.0 19.1 57.1#

77 0.3 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: 4.80 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001838.D

Acq: 18 May 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

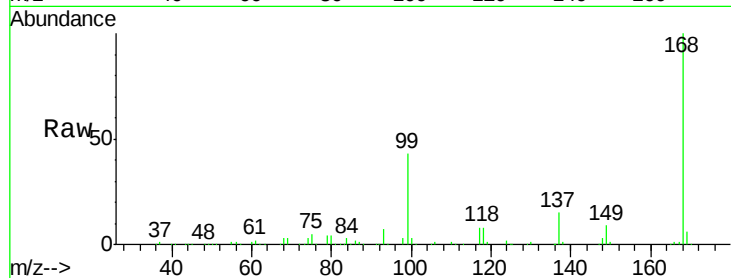
Tot Ion:117 Resp: 25286

Ion Ratio Lower Upper

117 100

119 6.1 77.6 116.4#

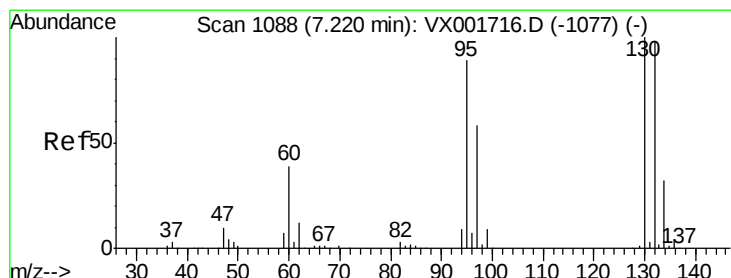
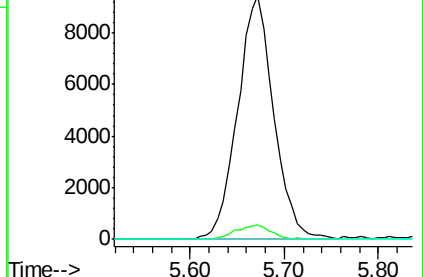
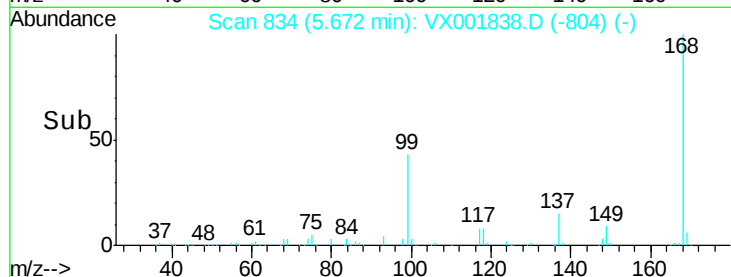
121 0.0 24.6 36.8#



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: 2.20 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001838.D

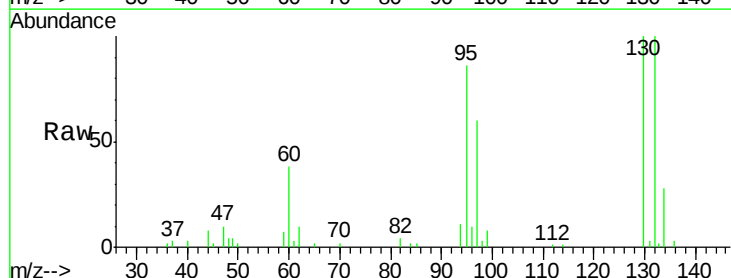
Acq: 18 May 2018 20:41

Tgt Ion:130 Resp: 10136

Ion Ratio Lower Upper

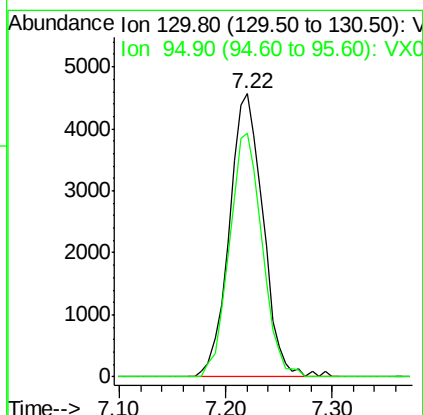
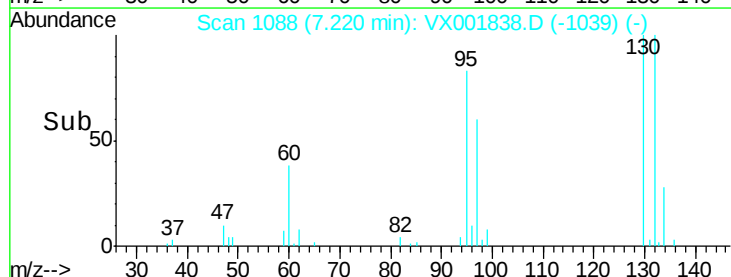
130 100

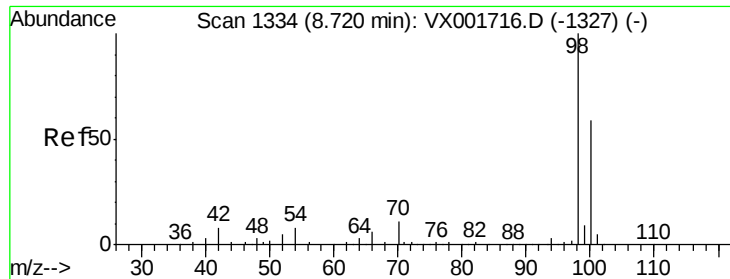
95 86.0 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

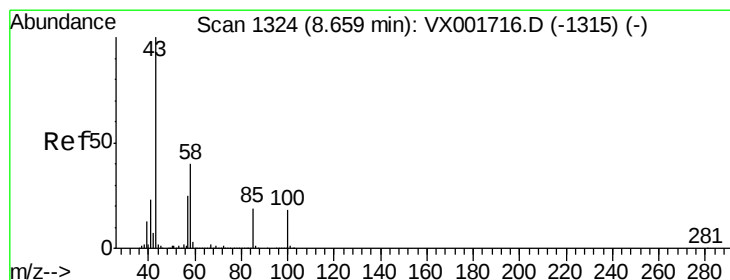
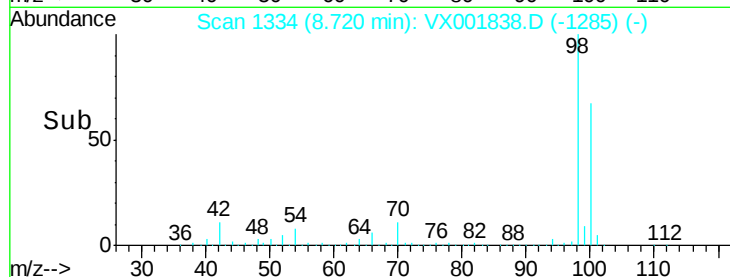
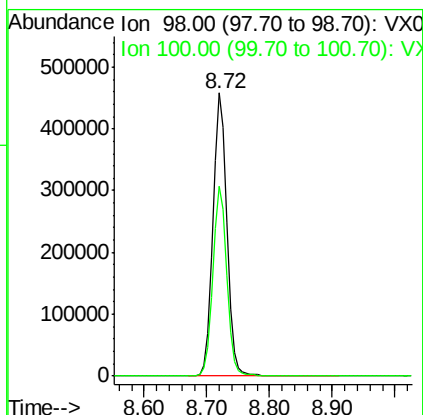
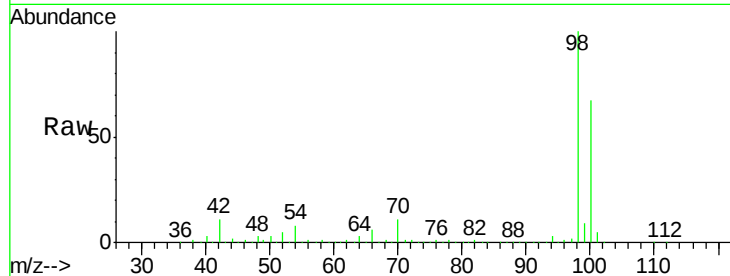




#50
Toluene-d8
Concen: 53.50 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001838.D
Acq: 18 May 2018 20:41

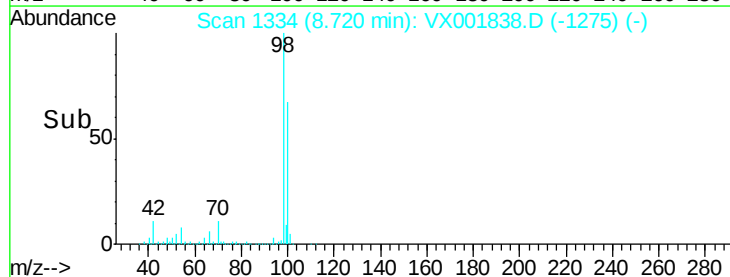
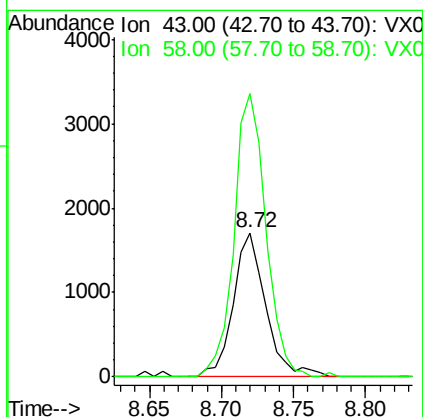
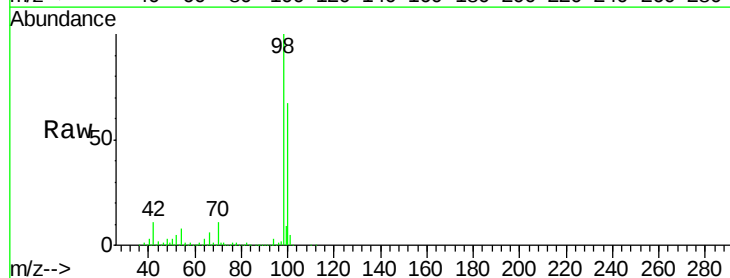
Instrument :
MSVOA_X
ClientSampleId :

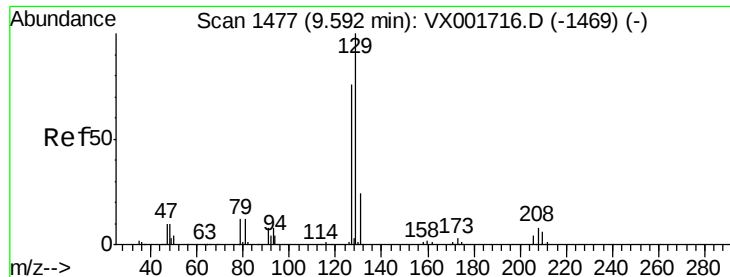
Tot Ion: 98 Resp: 706906
Ion Ratio Lower Upper
98 100
100 66.8 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001838.D
Acq: 18 May 2018 20:41

Tgt Ion: 43 Resp: 2695
Ion Ratio Lower Upper
43 100
58 191.3 31.4 47.0#





#60

Dibromochloromethane

Concen: 1.20 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001838.D

Acq: 18 May 2018 20:41

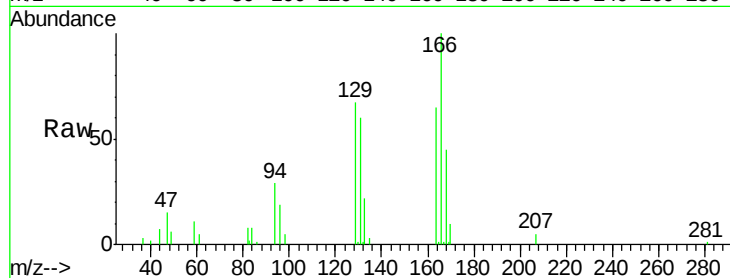
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 4488

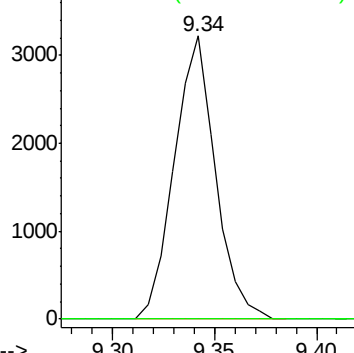
Ion Ratio Lower Upper

129 100

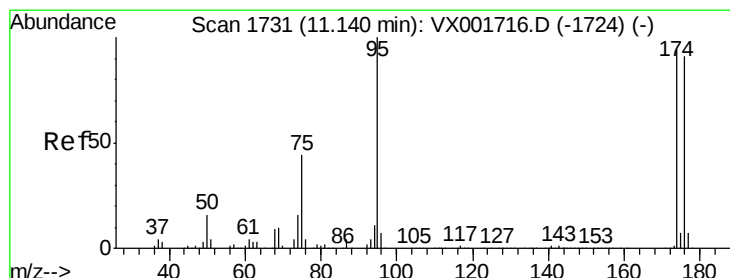
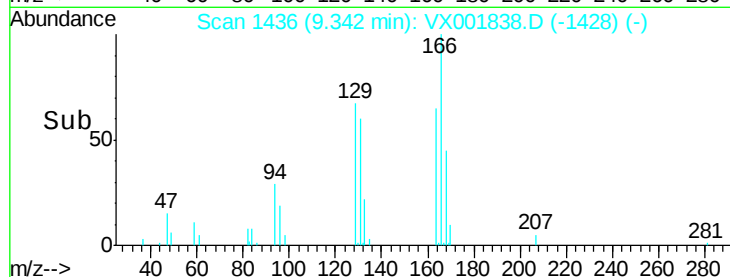
127 0.0 38.7 116.1#



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



Time-->



#62

4-Bromofluorobenzene

Concen: 42.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001838.D

Acq: 18 May 2018 20:41

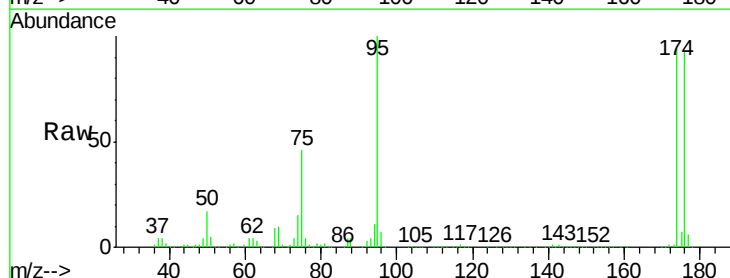
Tgt Ion: 95 Resp: 201120

Ion Ratio Lower Upper

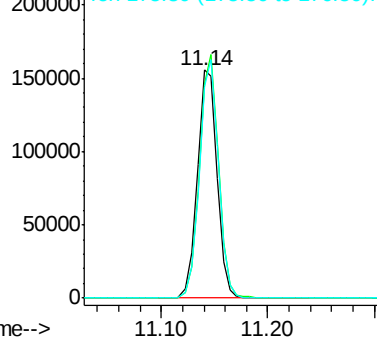
95 100

174 103.7 0.0 201.8

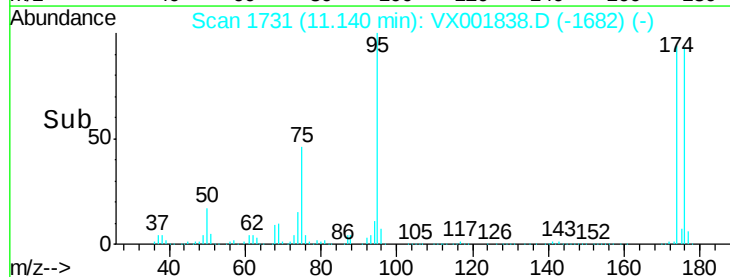
176 101.2 0.0 196.8

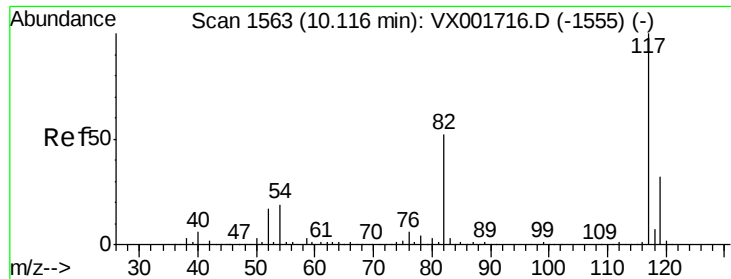


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



Time-->

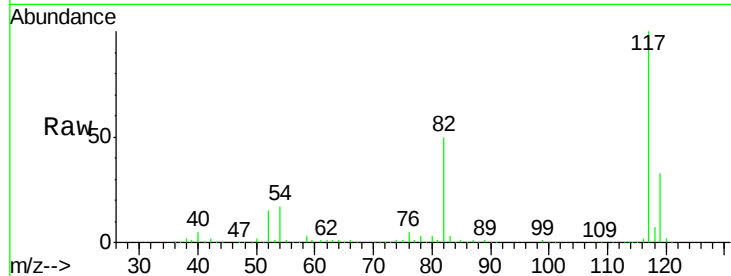




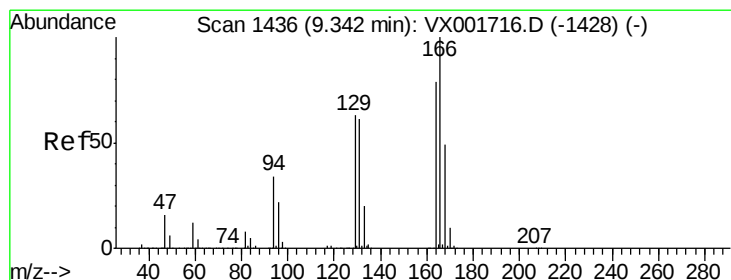
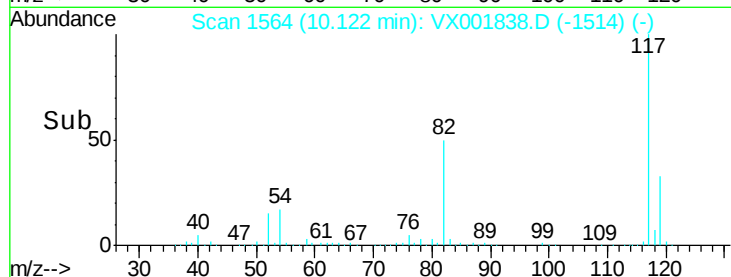
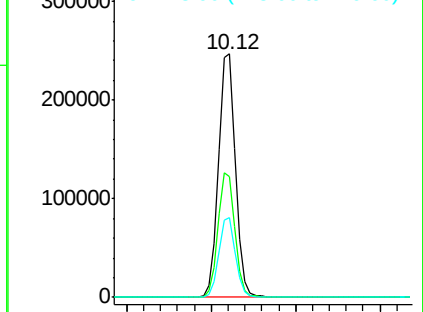
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001838.D
Acq: 18 May 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 346180
Ion Ratio Lower Upper
117 100
82 49.6 41.4 62.2
119 32.9 25.6 38.4

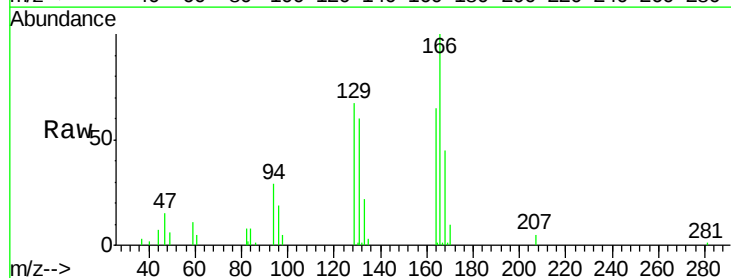


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

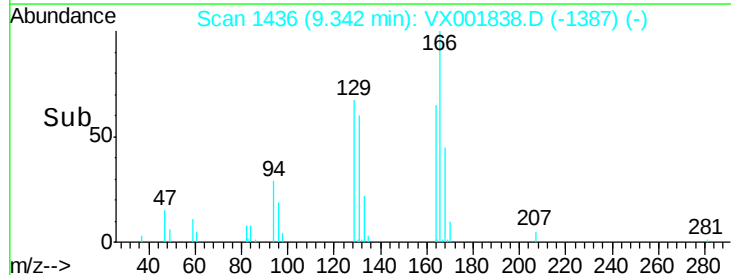
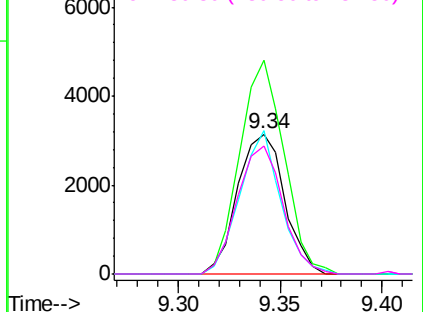


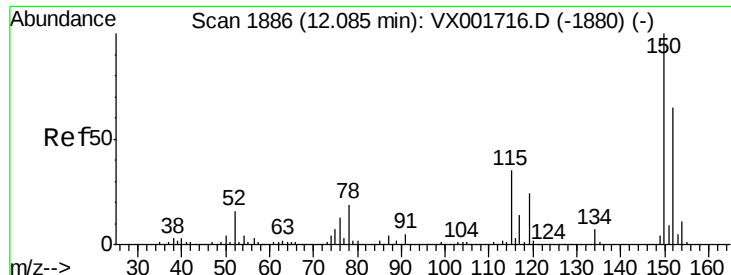
#64
Tetrachloroethene
Concen: 1.12 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001838.D
Acq: 18 May 2018 20:41

Tgt Ion:164 Resp: 5040
Ion Ratio Lower Upper
164 100
166 153.0 101.8 152.8#
129 102.5 63.8 95.6#
131 91.7 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: VX001838.D

Acq: 18 May 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

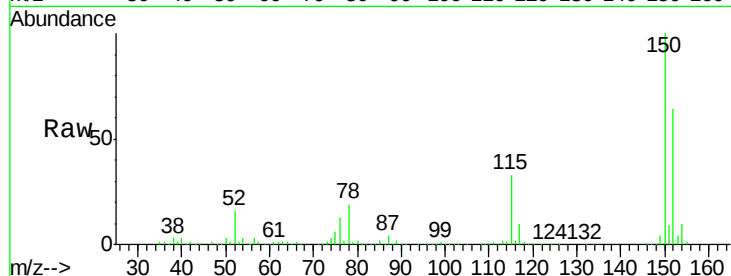
Tot Ion:152 Resp: 187688

Ion Ratio Lower Upper

152 100

115 51.9 37.4 112.2

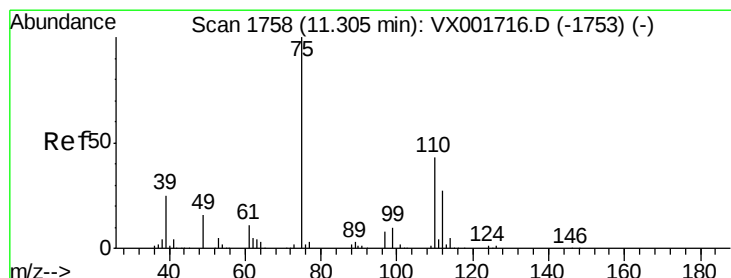
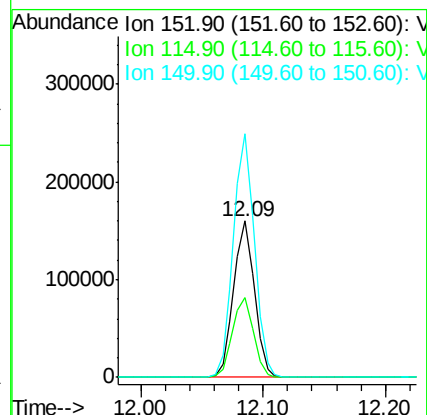
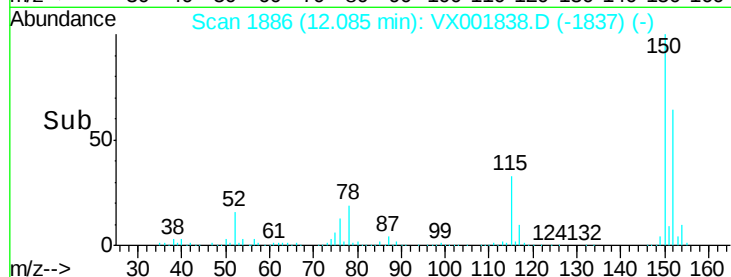
150 157.6 0.0 344.8



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: 26.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001838.D

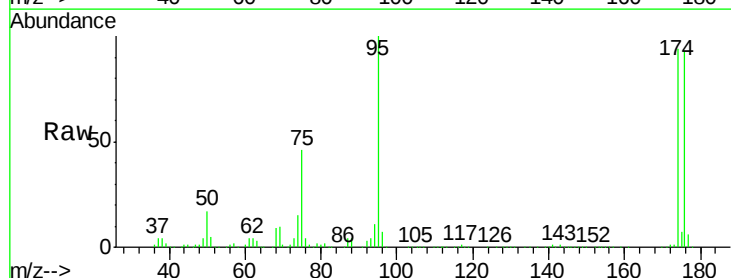
Acq: 18 May 2018 20:41

Tgt Ion: 75 Resp: 93461

Ion Ratio Lower Upper

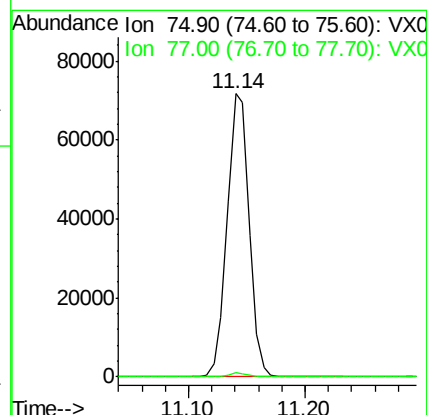
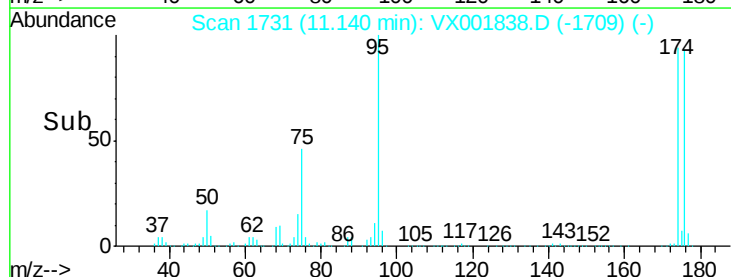
75 100

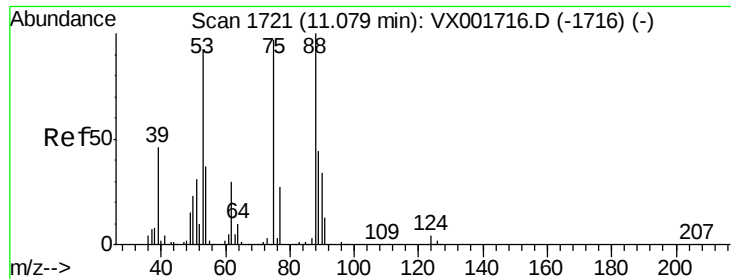
77 1.3 18.9 56.7#



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: 76.19 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001838.D
 Acq: 18 May 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 93461
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#

