

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX051818\
 Data File : VX001828.D
 Acq On : 18 May 2018 16:14
 Operator : JC/MD
 Sample : J2853-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:24:01 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	314558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	440127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	346737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187696	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	230642	54.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.40%	
35) Dibromofluoromethane	5.51	113	196760	52.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.94%	
50) Toluene-d8	8.72	98	704131	52.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.86%	
62) 4-Bromofluorobenzene	11.14	95	200299	41.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.64%	

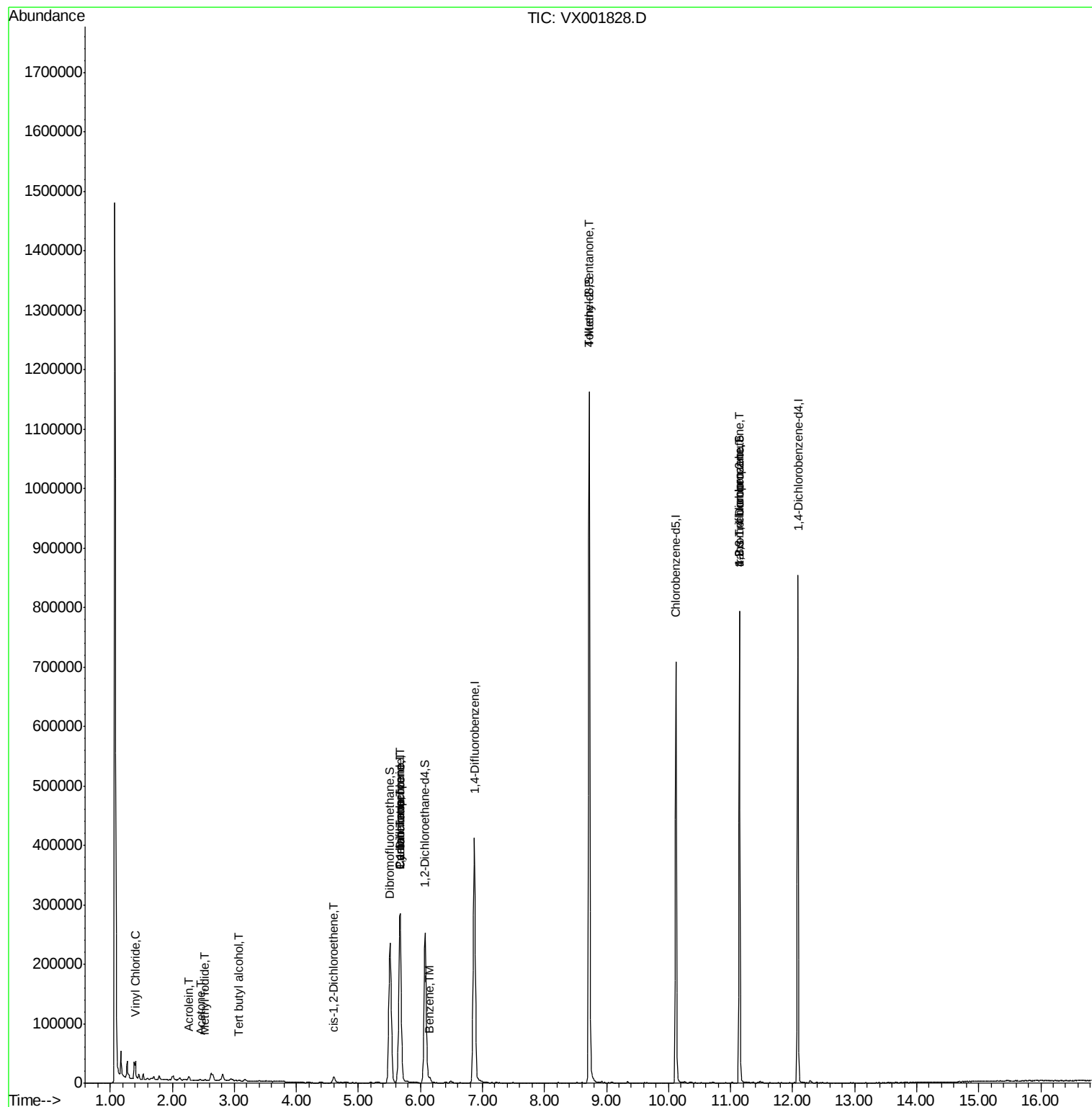
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	7882	2.14	ug/l	96
5) Bromomethane	1.65	94	1304	Below Cal		93
10) Methyl Iodide	2.52	142	1285	0.43	ug/l #	94
11) Tert butyl alcohol	3.07	59	1323	1.77	ug/l	97
13) Acrolein	2.27	56	296	0.56	ug/l #	1
16) Acetone	2.45	43	1411	0.85	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	6122	1.57	ug/l	92
31) Cyclohexane	5.67	56	4634	0.87	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17692	3.49	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25677	4.84	ug/l #	16
40) Benzene	6.15	78	9431	0.63	ug/l	99
51) 4-Methyl-2-Pentanone	8.72	43	2888	0.55	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	92952	26.04	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	92952	75.79	ug/l #	10

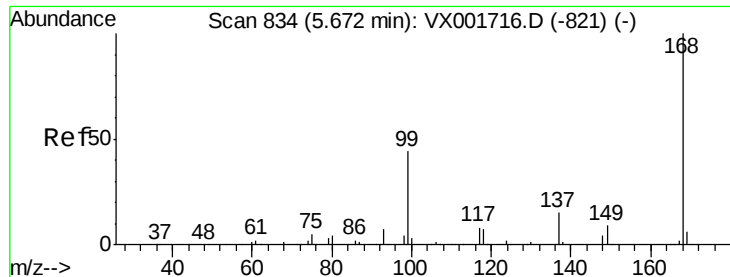
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001828.D

Acq: 18 May 2018 16:14

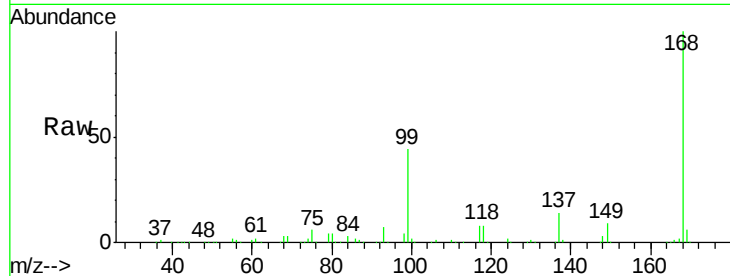
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 314558

Ion Ratio Lower Upper

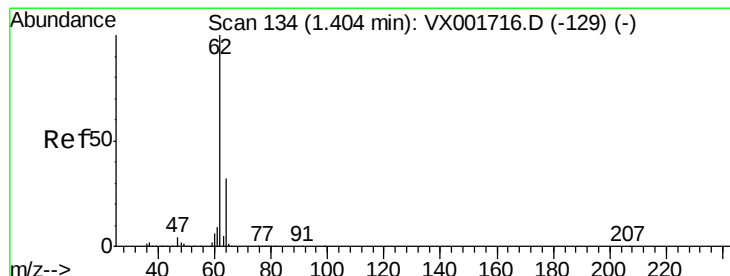
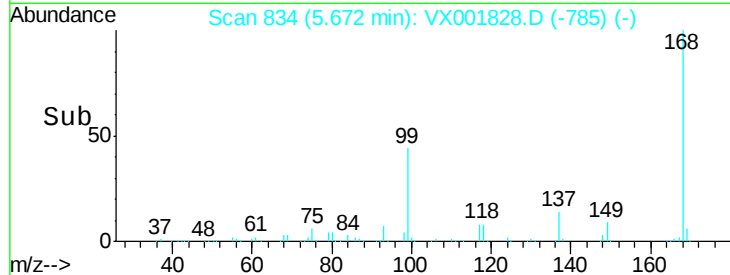
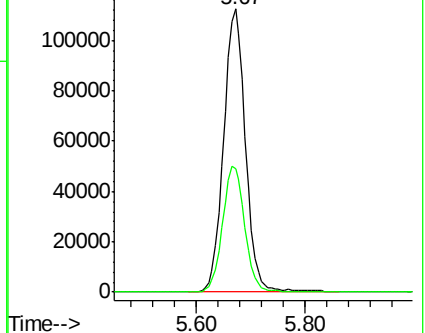
168 100

99 43.7 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 2.14 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001828.D

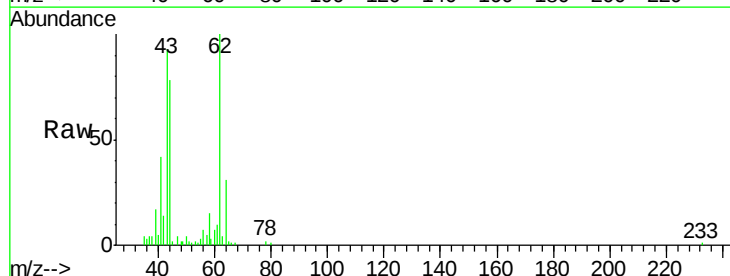
Acq: 18 May 2018 16:14

Tgt Ion: 62 Resp: 7882

Ion Ratio Lower Upper

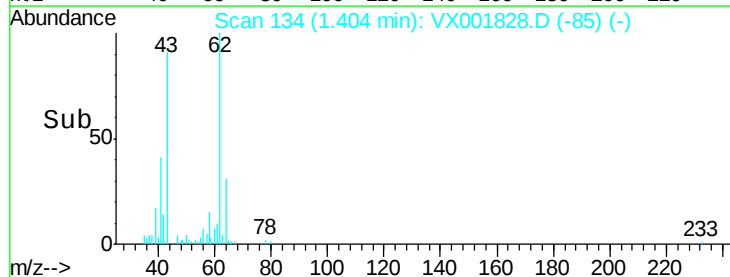
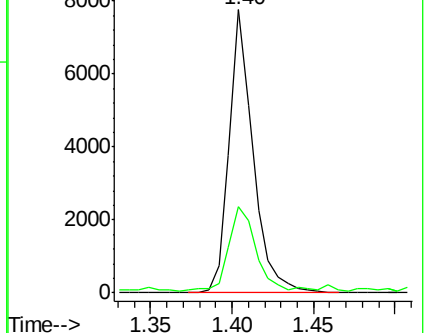
62 100

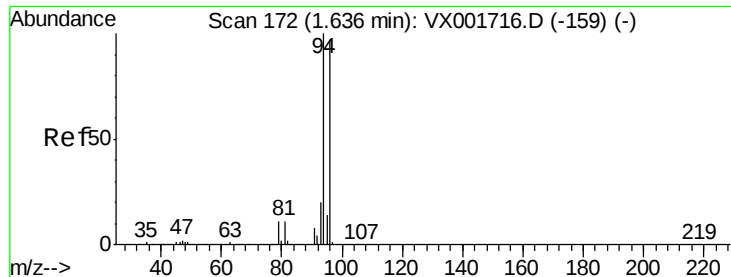
64 29.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001828.D

Acq: 18 May 2018 16:14

Instrument :

MSVOA_X

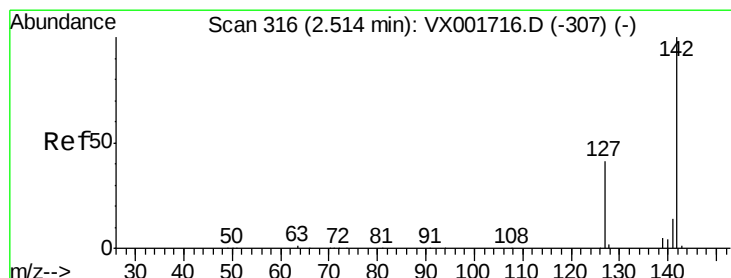
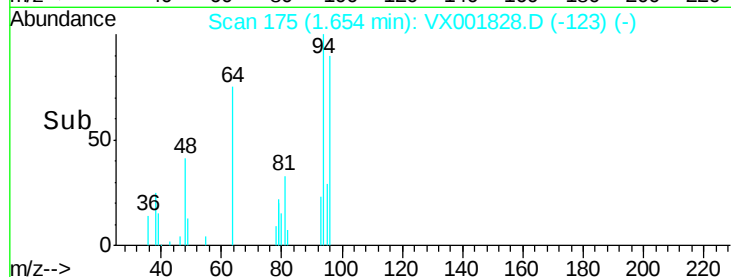
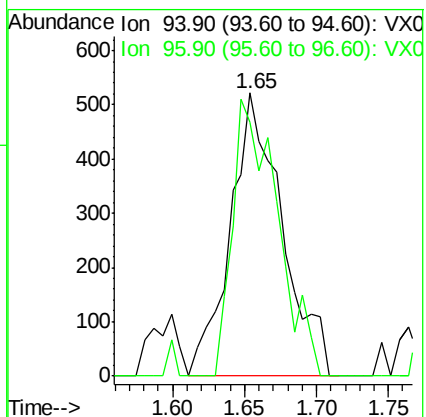
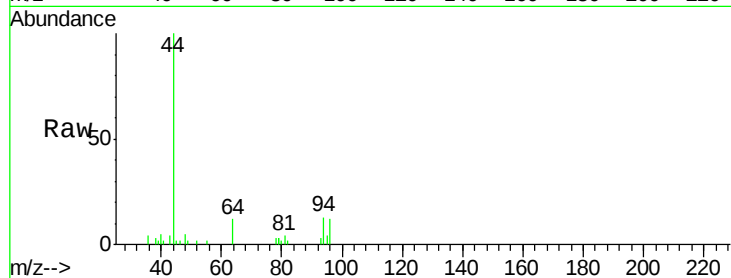
ClientSampleId :

Tot Ion: 94 Resp: 1304

Ion Ratio Lower Upper

94 100

96 89.7 77.4 116.0



#10

Methyl Iodide

Concen: 0.43 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001828.D

Acq: 18 May 2018 16:14

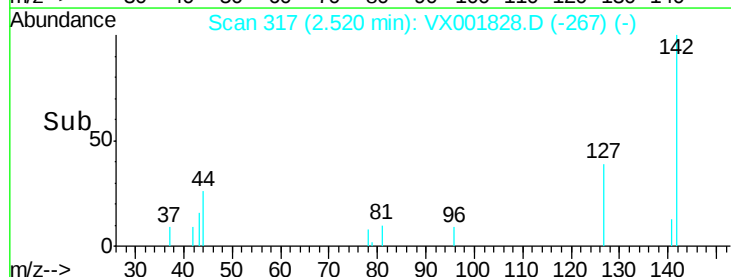
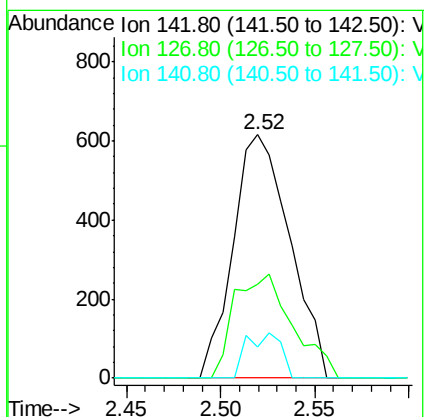
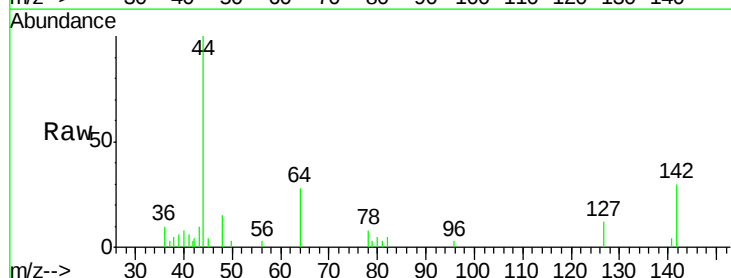
Tgt Ion: 142 Resp: 1285

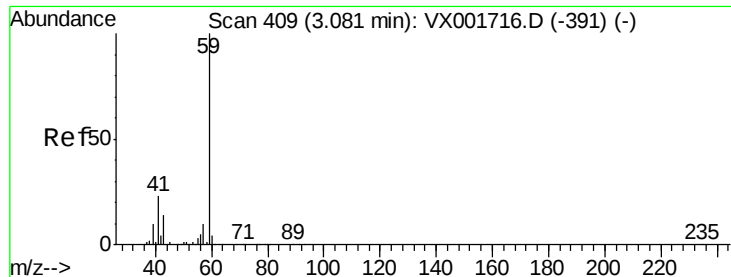
Ion Ratio Lower Upper

142 100

127 44.1 32.5 48.7

141 11.2 11.4 17.0#

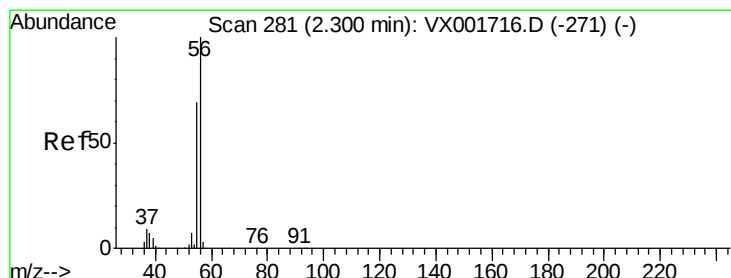
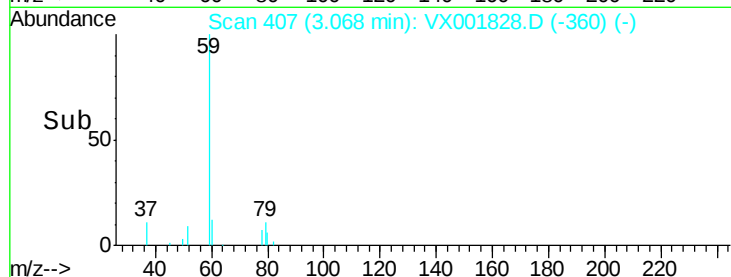
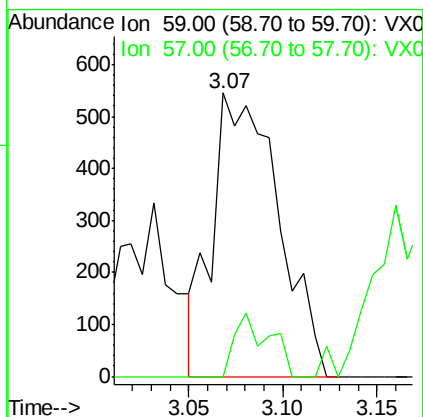
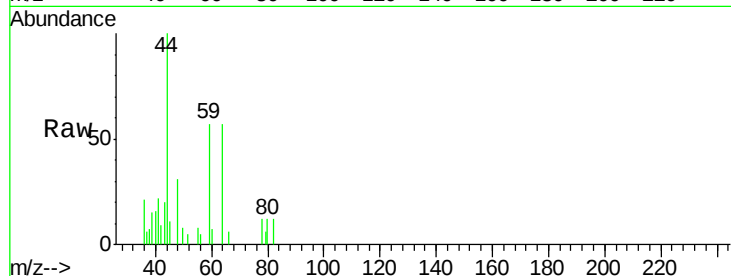




#11
Tert butyl alcohol
Concen: 1.77 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001828.D
Acq: 18 May 2018 16:14

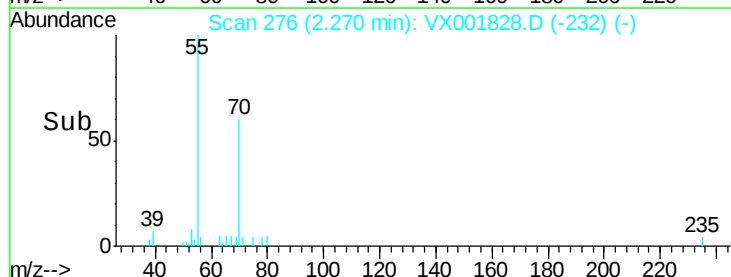
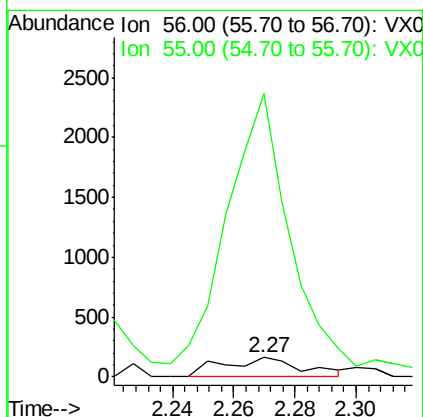
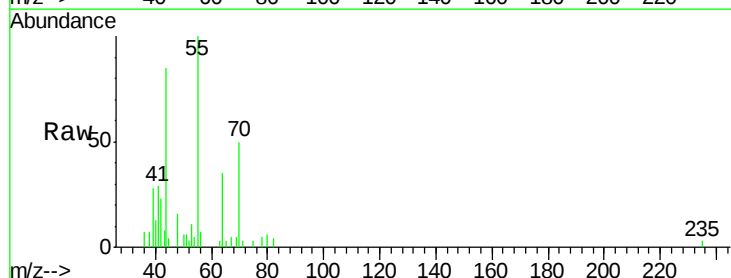
Instrument :
MSVOA_X
ClientSampled :

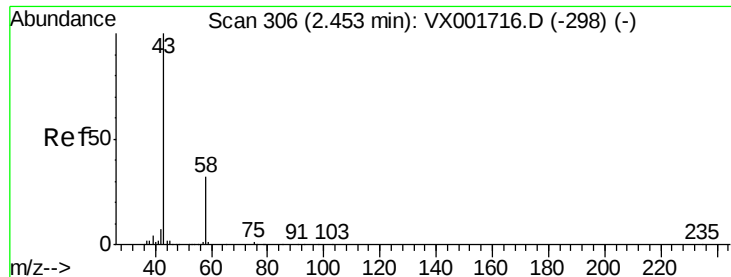
Tot Ion: 59 Resp: 1323
Ion Ratio Lower Upper
59 100
57 11.6 8.5 12.7



#13
Acrolein
Concen: 0.56 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.03 min
Lab File: VX001828.D
Acq: 18 May 2018 16:14

Tgt Ion: 56 Resp: 296
Ion Ratio Lower Upper
56 100
55 1145.9 56.2 84.2#





#16

Acetone

Concen: 0.85 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001828.D

Acq: 18 May 2018 16:14

Instrument :

MSVOA_X

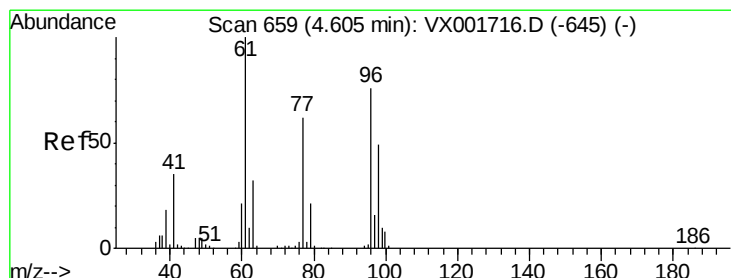
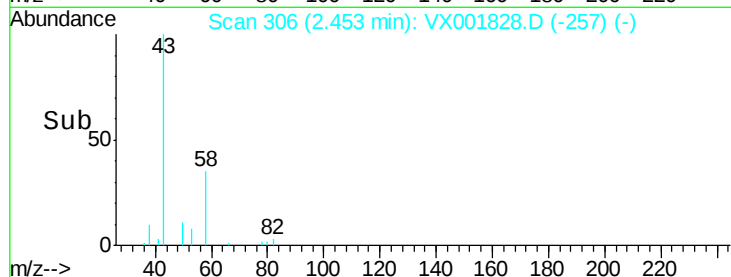
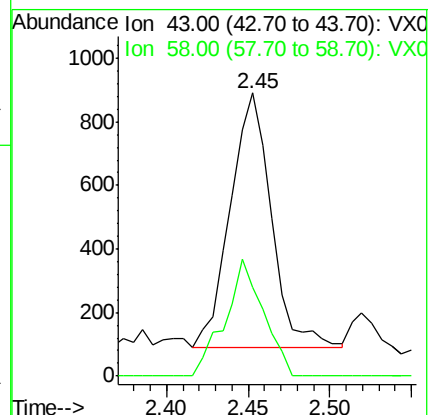
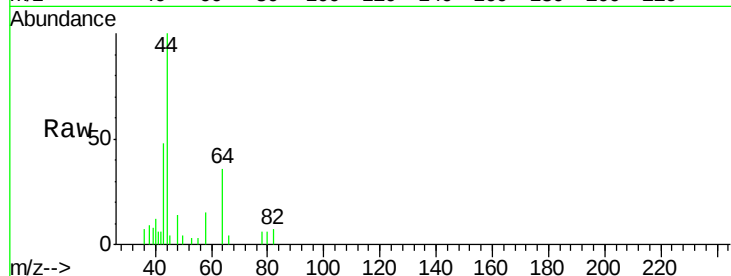
ClientSampleId :

Tot Ion: 43 Resp: 1411

Ion Ratio Lower Upper

43 100

58 34.7 25.3 37.9



#27

cis-1,2-Dichloroethene

Concen: 1.57 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001828.D

Acq: 18 May 2018 16:14

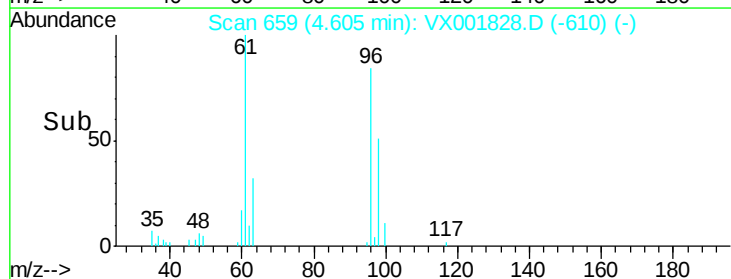
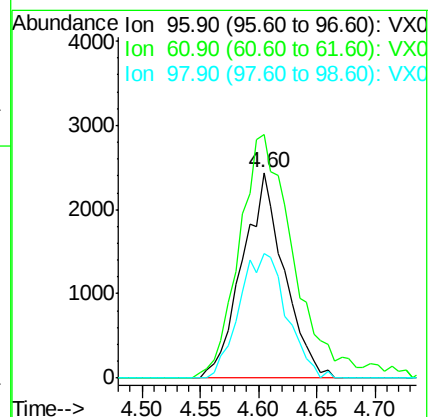
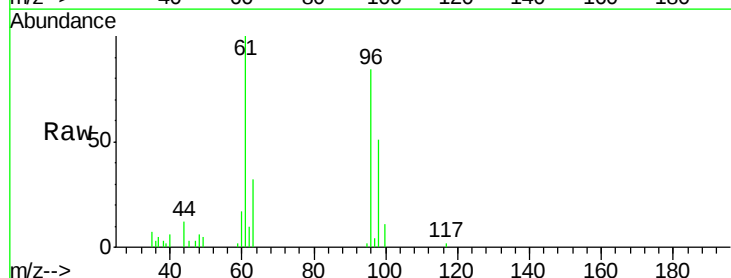
Tgt Ion: 96 Resp: 6122

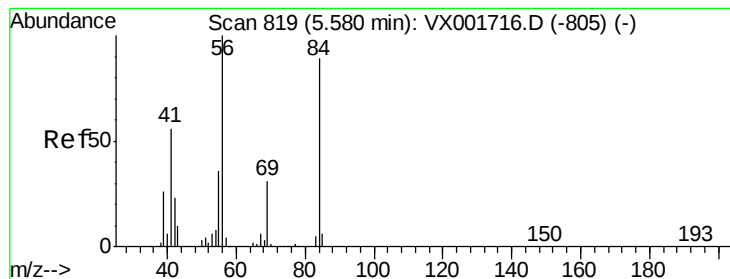
Ion Ratio Lower Upper

96 100

61 152.2 0.0 280.4

98 68.3 0.0 128.4





#31

Cyclohexane

Concen: 0.87 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001828.D

Acq: 18 May 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :

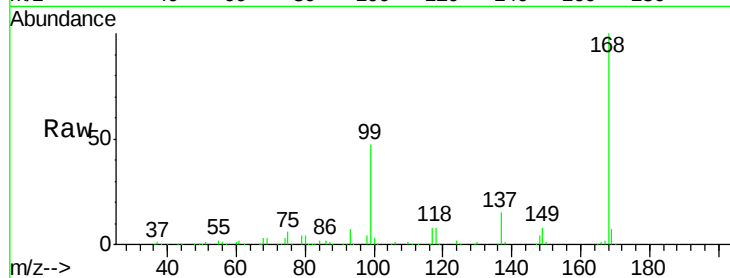
Tot Ion: 56 Resp: 4634

Ion Ratio Lower Upper

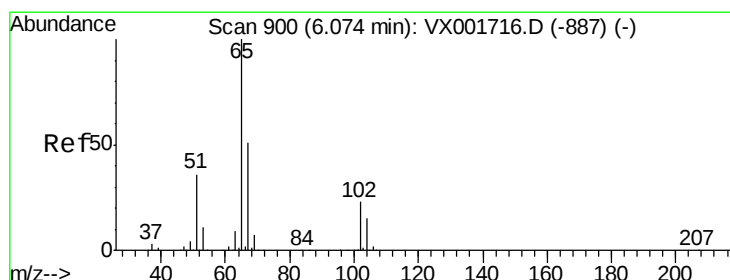
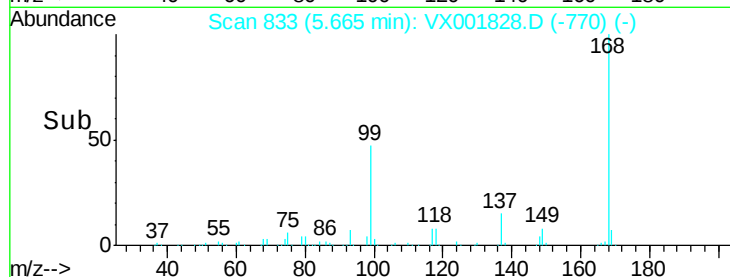
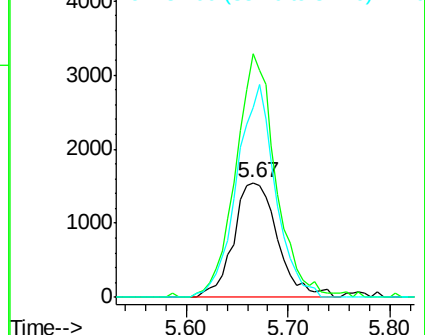
56 100

69 212.6 25.0 37.6#

84 166.0 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: 54.70 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001828.D

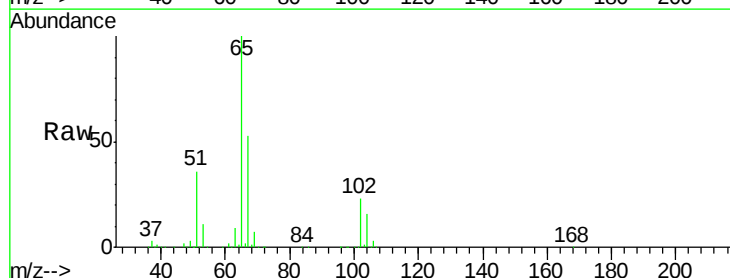
Acq: 18 May 2018 16:14

Tgt Ion: 65 Resp: 230642

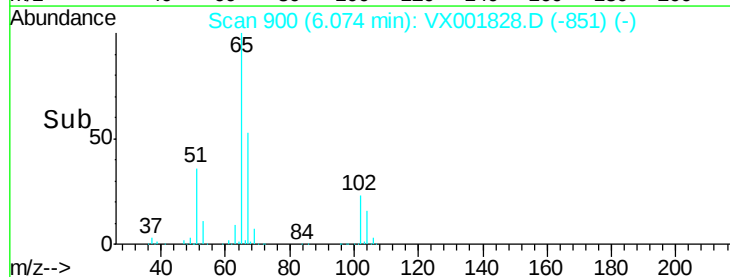
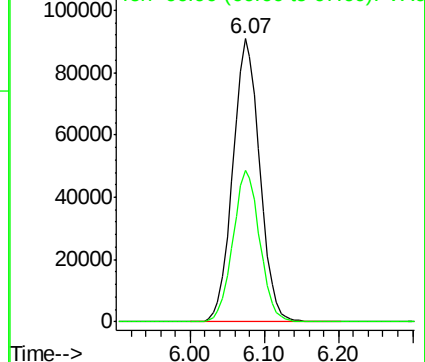
Ion Ratio Lower Upper

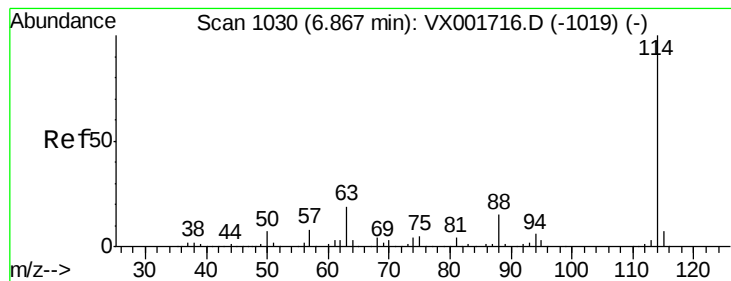
65 100

67 53.4 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: VX001828.D

Acq: 18 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

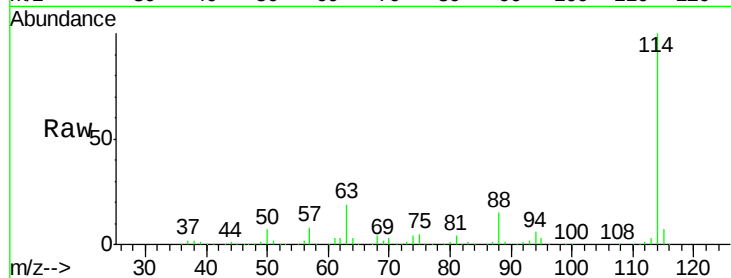
Tot Ion:114 Resp: 440127

Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.0

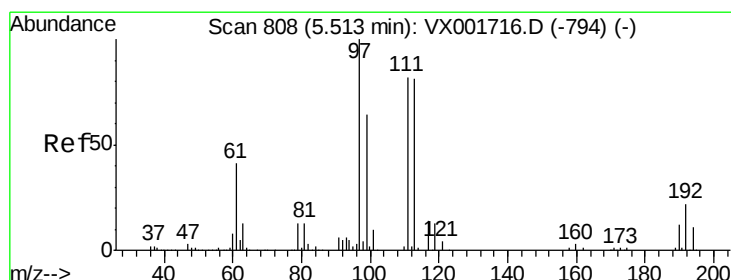
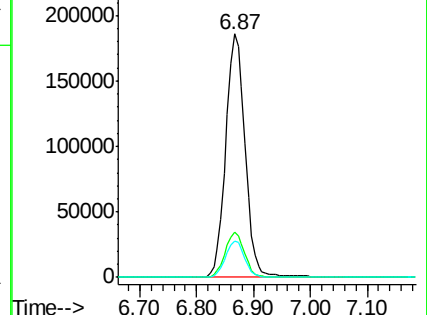
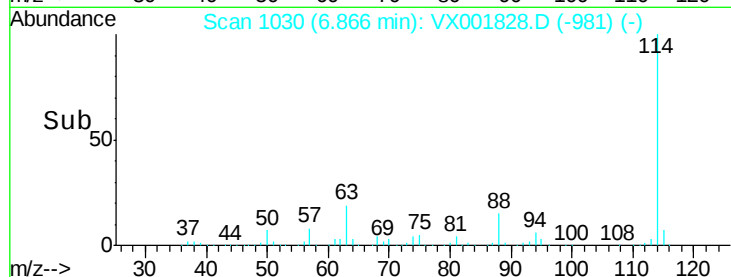
88 14.8 0.0 29.8



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: 52.97 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001828.D

Acq: 18 May 2018 16:14

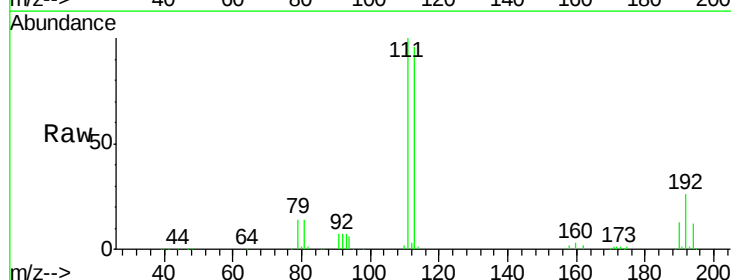
Tgt Ion:113 Resp: 196760

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

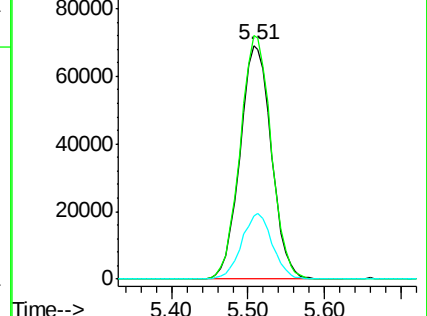
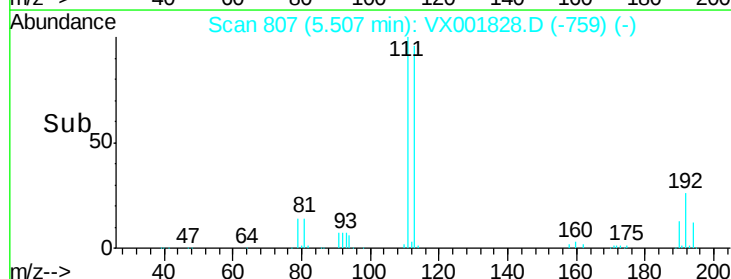
192 27.5 21.6 32.4

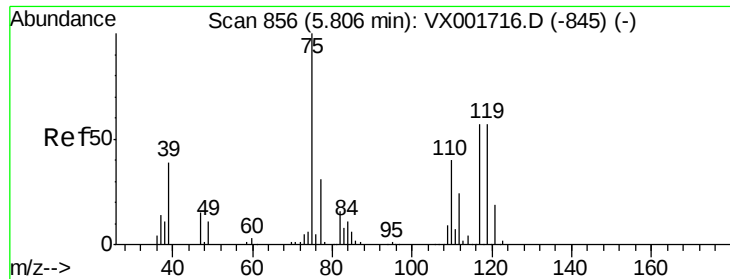


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

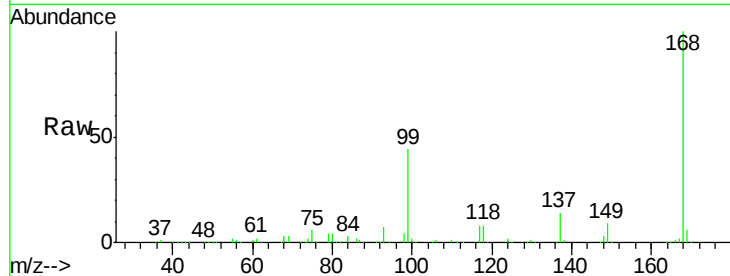




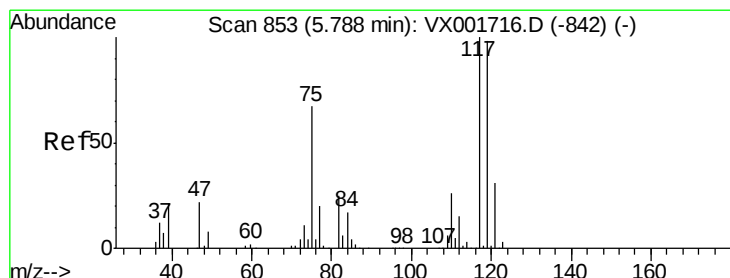
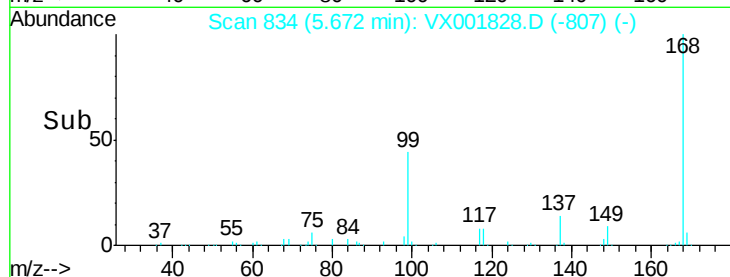
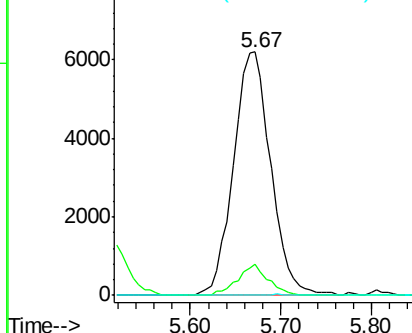
#36
 1,1-Dichloropropene
 Concen: 3.49 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001828.D
 Acq: 18 May 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 17692
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.1 57.1#
 77 0.0 24.6 37.0#

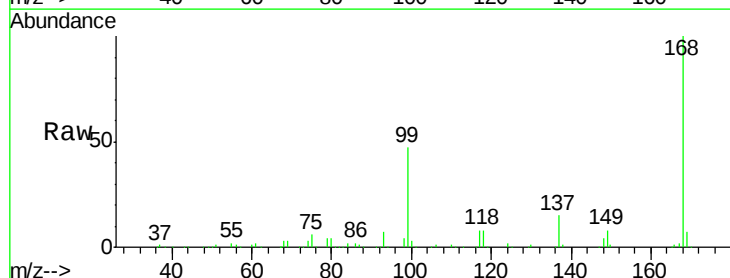


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

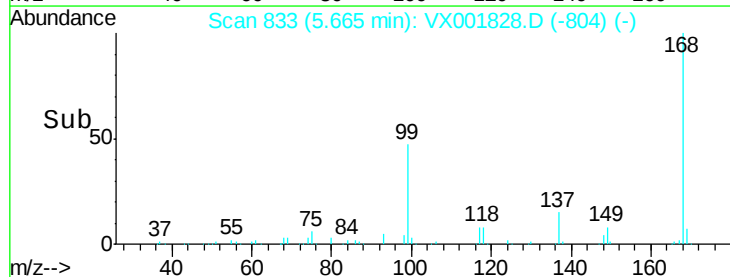
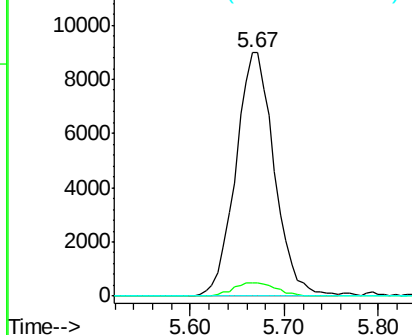


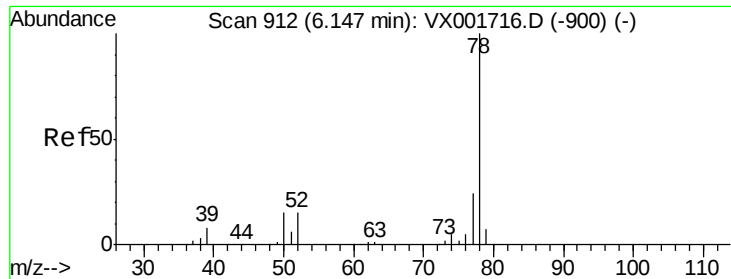
#38
 Carbon Tetrachloride
 Concen: 4.84 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001828.D
 Acq: 18 May 2018 16:14

Tgt Ion: 117 Resp: 25677
 Ion Ratio Lower Upper
 117 100
 119 5.4 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

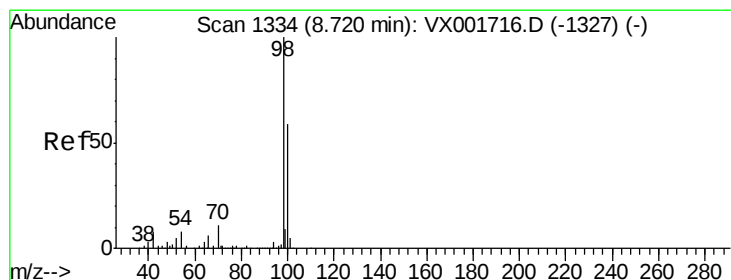
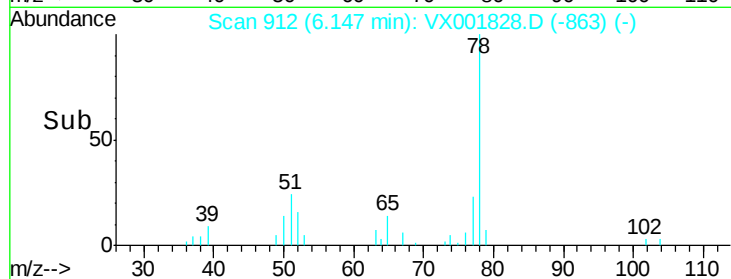
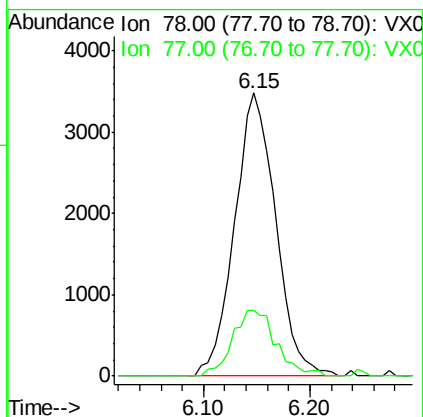
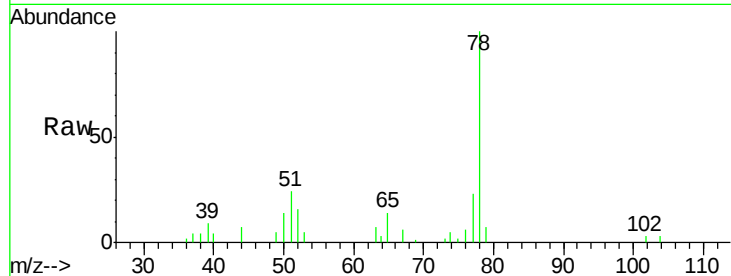




#40
Benzene
Concen: 0.63 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001828.D
Acq: 18 May 2018 16:14

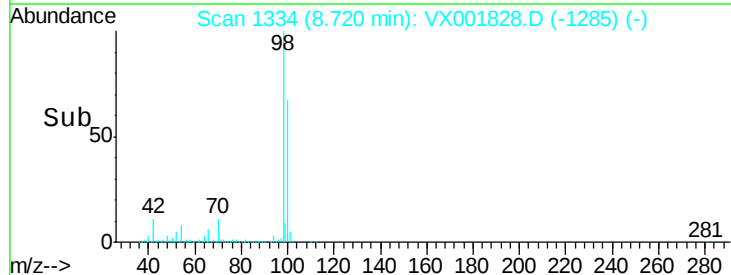
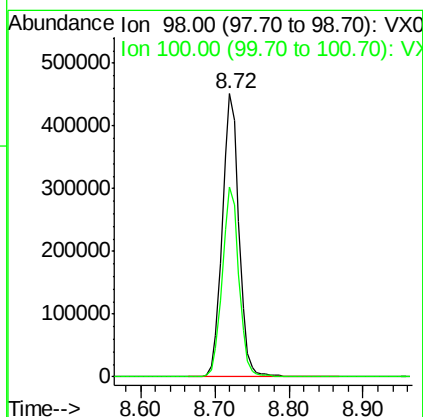
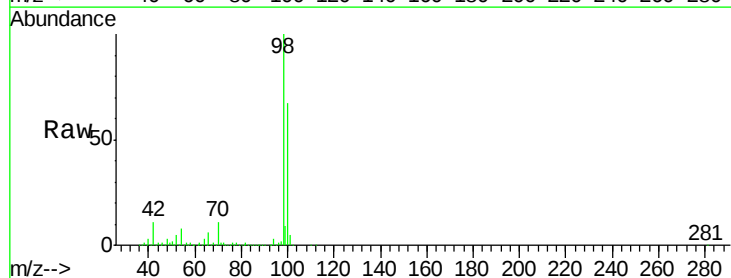
Instrument :
MSVOA_X
ClientSampleId :

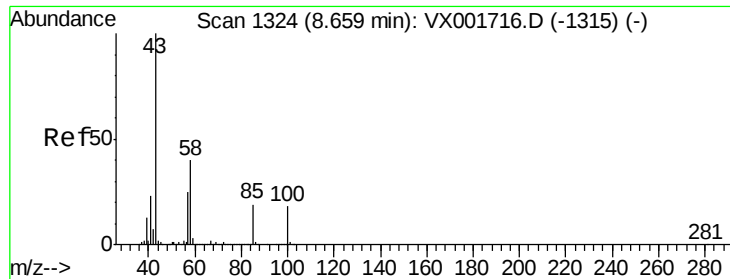
Tot Ion: 78 Resp: 9431
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4



#50
Toluene-d8
Concen: 52.93 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001828.D
Acq: 18 May 2018 16:14

Tgt Ion: 98 Resp: 704131
Ion Ratio Lower Upper
98 100
100 66.9 54.0 81.0

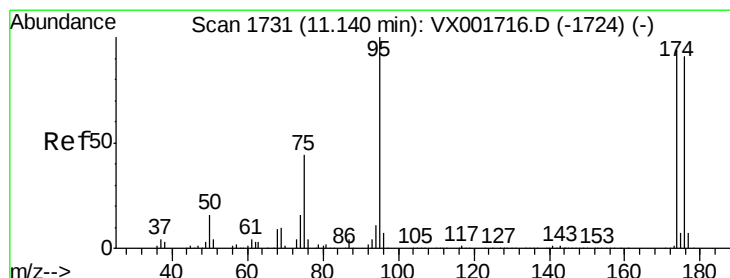
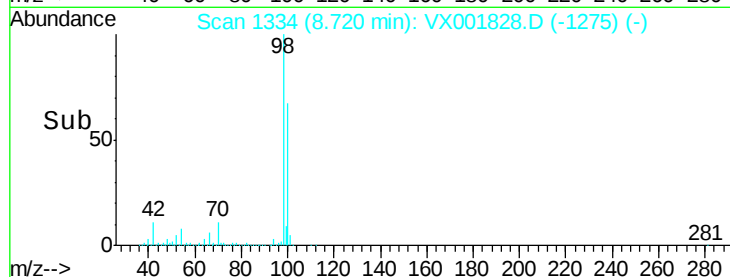
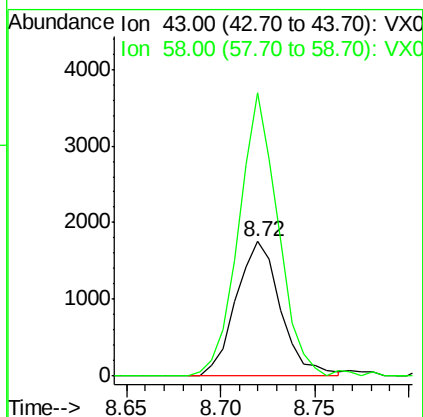
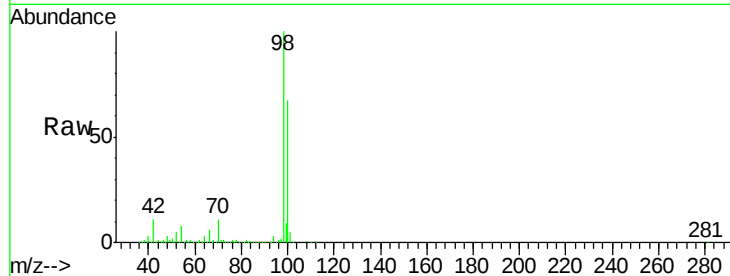




#51
4-Methyl-2-Pentanone
Concen: 0.55 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001828.D
Acq: 18 May 2018 16:14

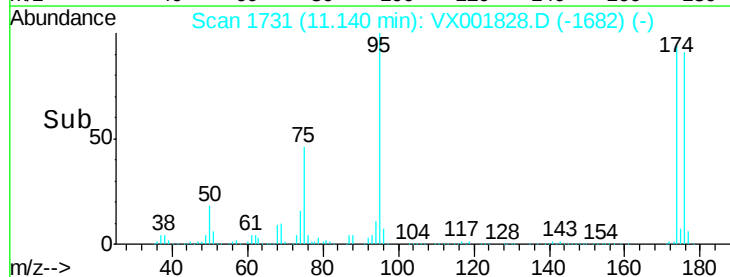
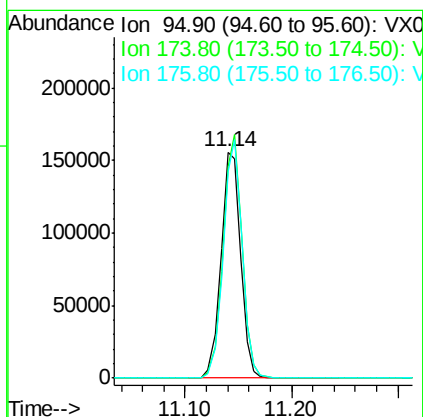
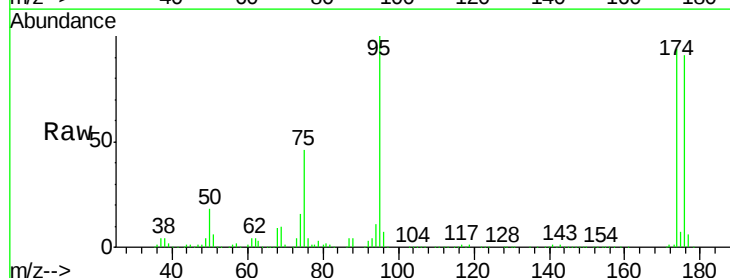
Instrument :
MSVOA_X
ClientSampleId :

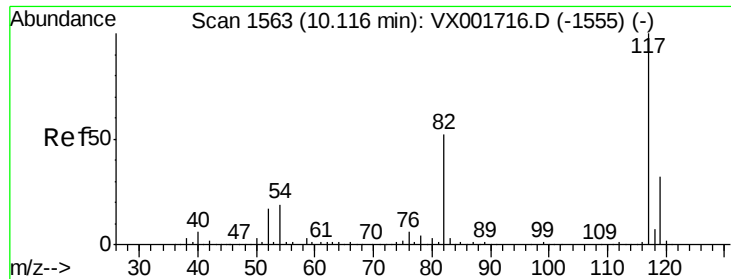
Tot Ion: 43 Resp: 2888
Ion Ratio Lower Upper
43 100
58 183.8 31.4 47.0#



#62
4-Bromofluorobenzene
Concen: 41.82 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001828.D
Acq: 18 May 2018 16:14

Tgt Ion: 95 Resp: 200299
Ion Ratio Lower Upper
95 100
174 104.2 0.0 201.8
176 101.7 0.0 196.8





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001828.D

Acq: 18 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

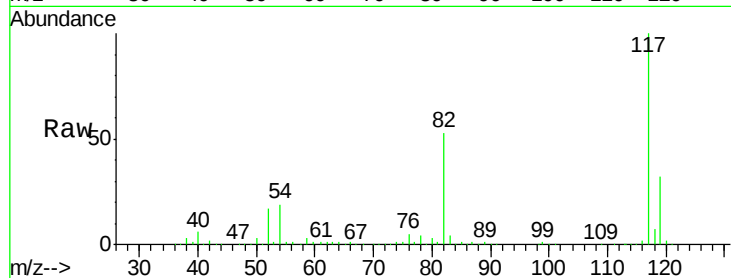
Tot Ion:117 Resp: 346737

Ion Ratio Lower Upper

117 100

82 52.6 41.4 62.2

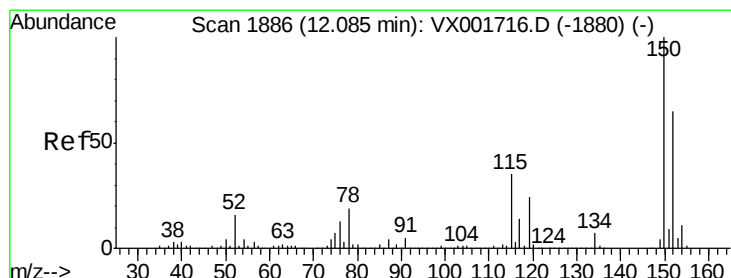
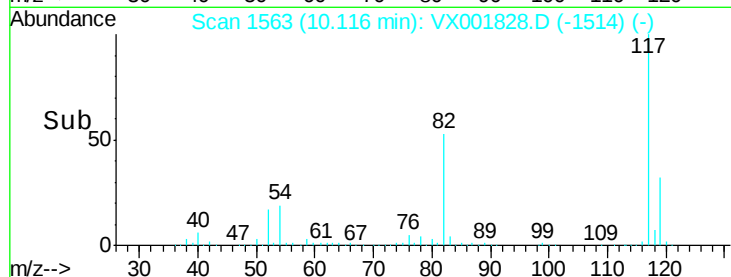
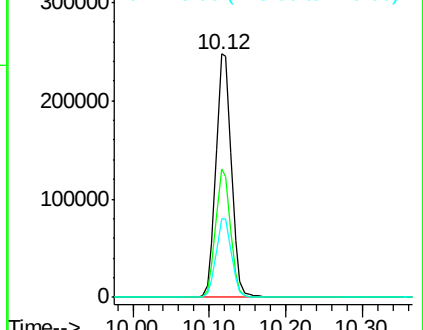
119 32.4 25.6 38.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001828.D

Acq: 18 May 2018 16:14

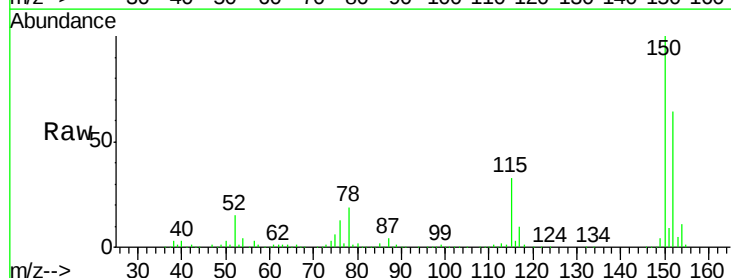
Tgt Ion:152 Resp: 187696

Ion Ratio Lower Upper

152 100

115 52.3 37.4 112.2

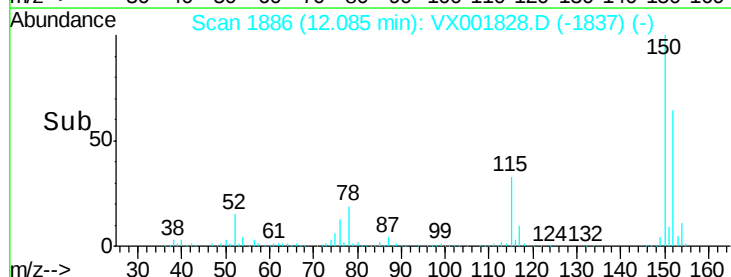
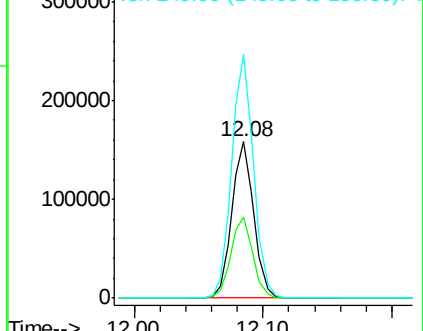
150 156.1 0.0 344.8

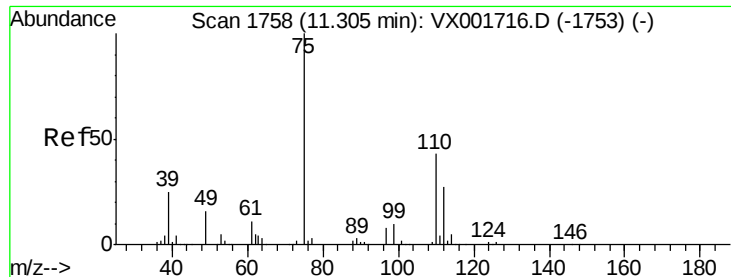


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001828.D

Acq: 18 May 2018 16:14

Instrument :

MSVOA_X

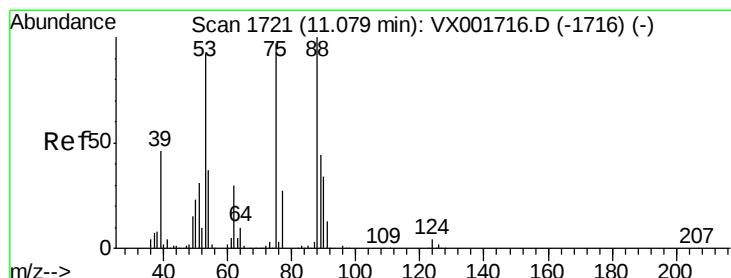
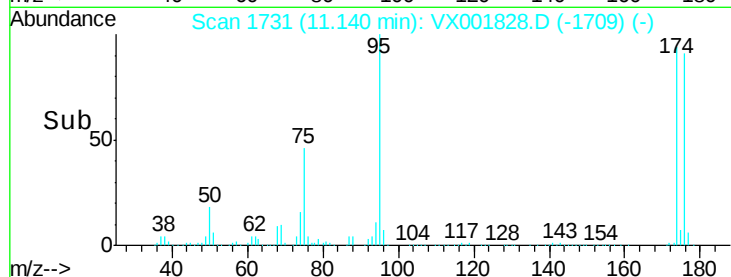
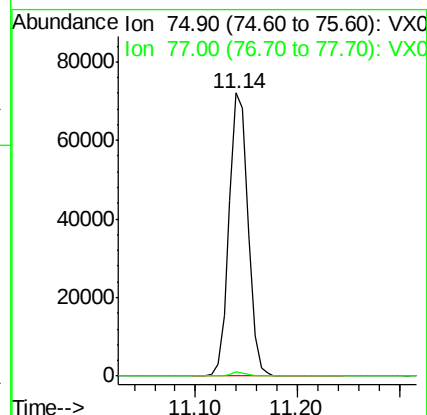
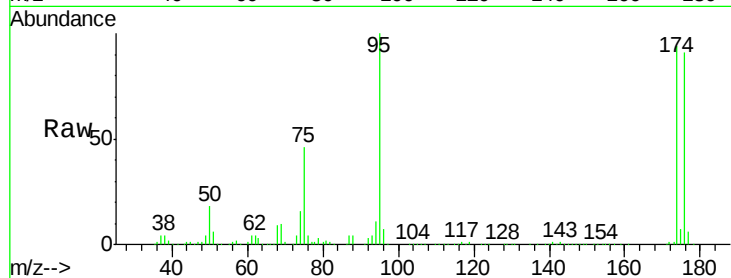
ClientSampleId :

Tot Ion: 75 Resp: 92952

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001828.D

Acq: 18 May 2018 16:14

Tgt Ion: 75 Resp: 92952

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#

