

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX051818\
 Data File : VX001836.D
 Acq On : 18 May 2018 19:47
 Operator : JC/MD
 Sample : J2940-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:26:42 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	312742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	445840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	191711	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	235127	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	
35) Dibromofluoromethane	5.51	113	203068	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
50) Toluene-d8	8.72	98	731604	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	11.14	95	208181	42.91	ug/l	0.00
Spiked Amount			Recovery	=	85.82%	

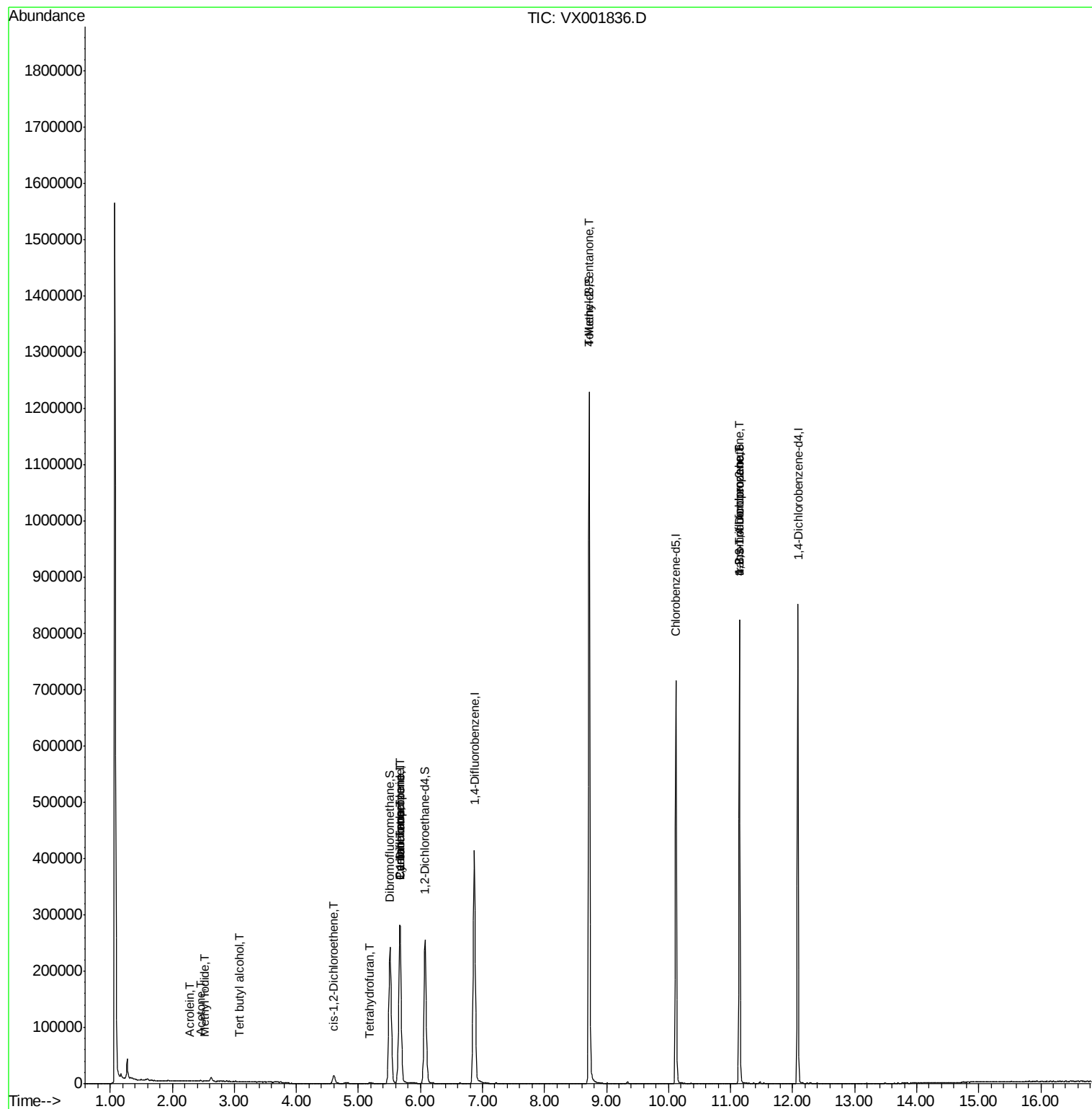
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	928	Below Cal		97
10) Methyl Iodide	2.51	142	758	0.26	ug/l #	84
11) Tert butyl alcohol	3.09	59	176	0.24	ug/l #	72
13) Acrolein	2.28	56	110	0.21	ug/l #	2
16) Acetone	2.45	43	788	0.48	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	8781	2.27	ug/l	98
29) Tetrahydrofuran	5.17	42	414	0.25	ug/l #	58
31) Cyclohexane	5.67	56	4636	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17828	3.47	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25448	4.73	ug/l #	16
51) 4-Methyl-2-Pentanone	8.72	43	3042	0.57	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	98131	26.92	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	98131	78.22	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: VX001836.D

Acq: 18 May 2018 19:47

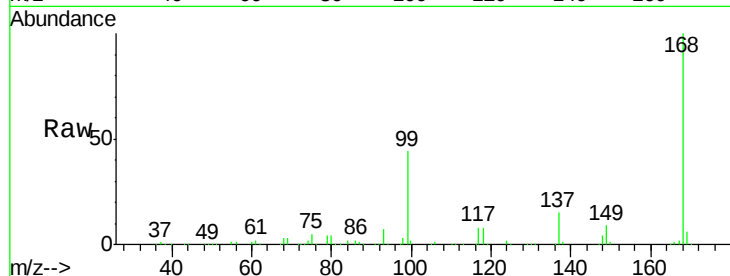
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 312742

Ion Ratio Lower Upper

168 100

99 44.1 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

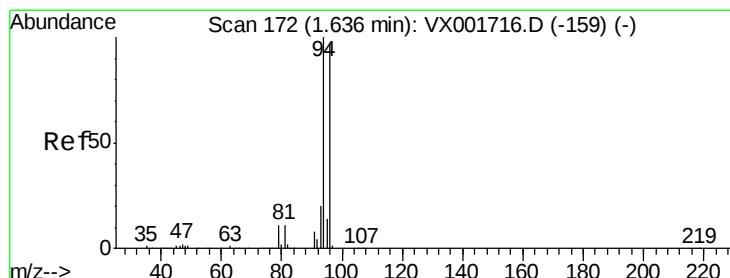
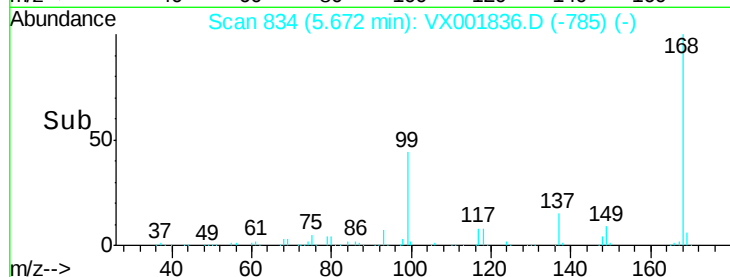
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001836.D

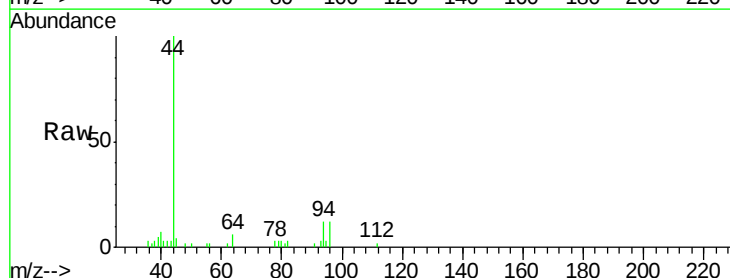
Acq: 18 May 2018 19:47

Tgt Ion: 94 Resp: 928

Ion Ratio Lower Upper

94 100

96 99.8 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

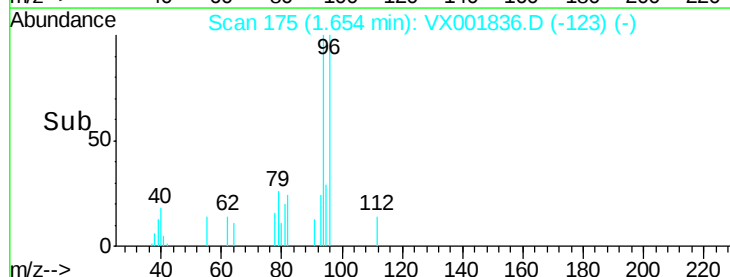
200

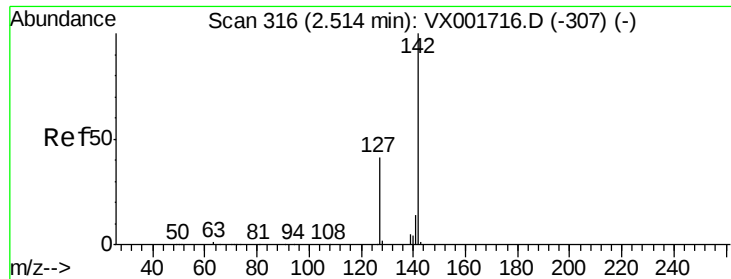
100

0

Time-->

1.60 1.65 1.70 1.75

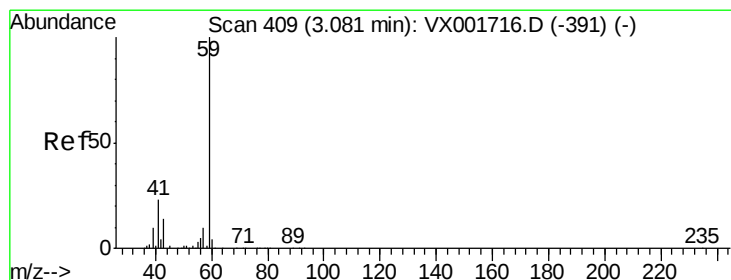
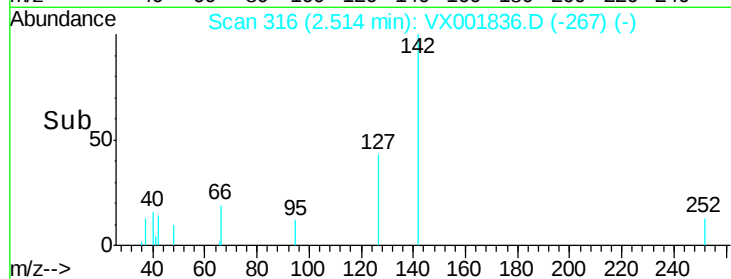
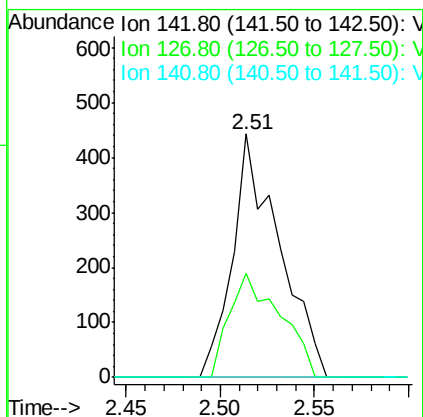
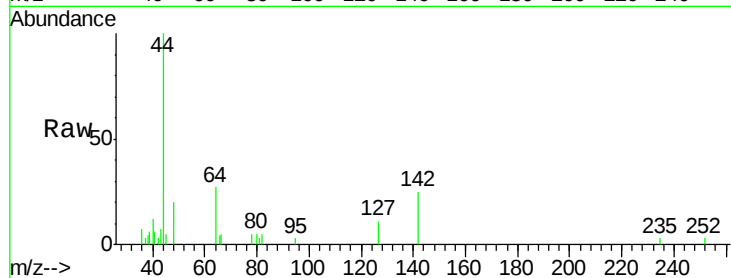




#10
Methvl Iodide
Concen: 0.26 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX001836.D
Acq: 18 May 2018 19:47

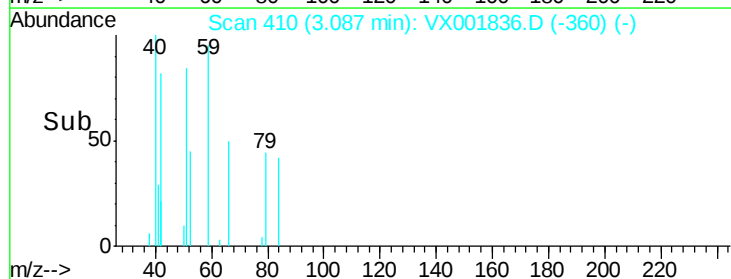
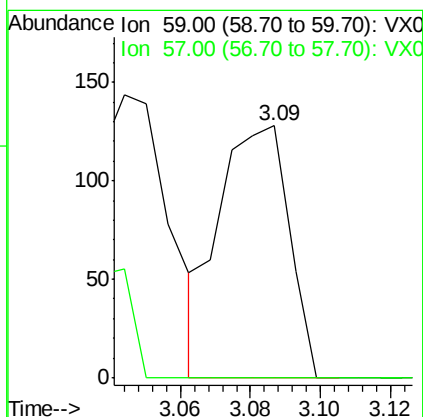
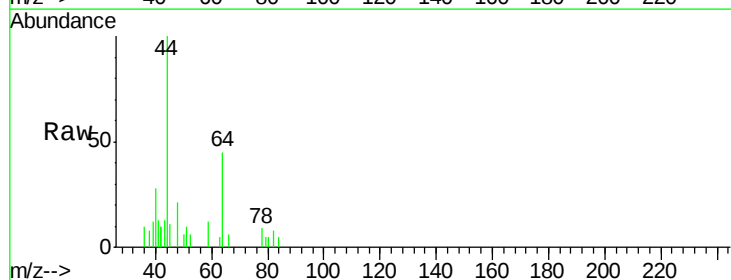
Instrument :
MSVOA_X
ClientSampleId :

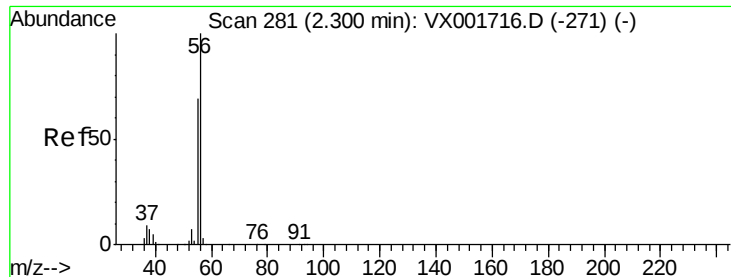
Tot Ion:142 Resp: 758
Ion Ratio Lower Upper
142 100
127 46.6 32.5 48.7
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001836.D
Acq: 18 May 2018 19:47

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.21 ug/l

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX001836.D

Acq: 18 May 2018 19:47

Instrument :

MSVOA_X

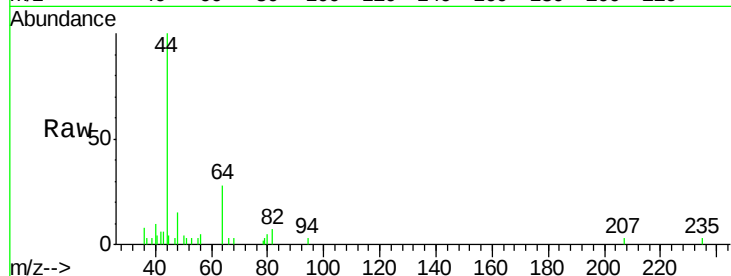
ClientSampled :

Tot Ion: 56 Resp: 110

Ion Ratio Lower Upper

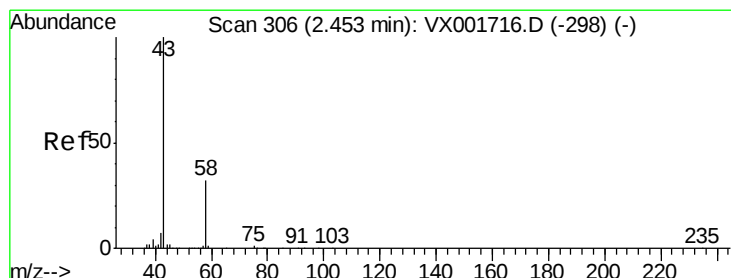
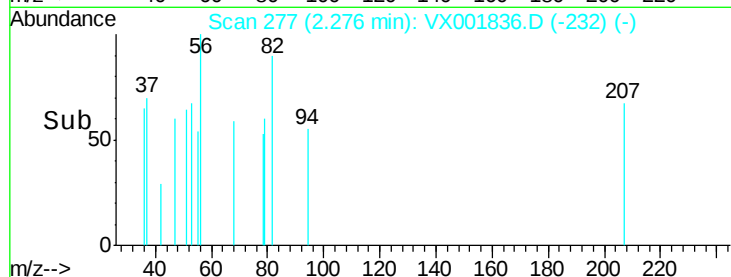
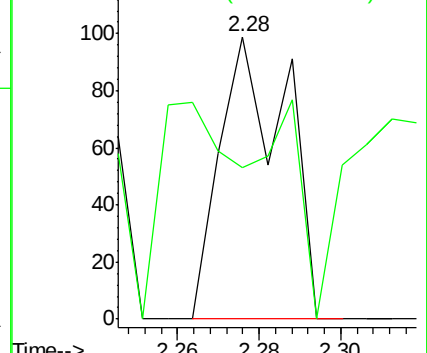
56 100

55 150.9 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: 0.48 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001836.D

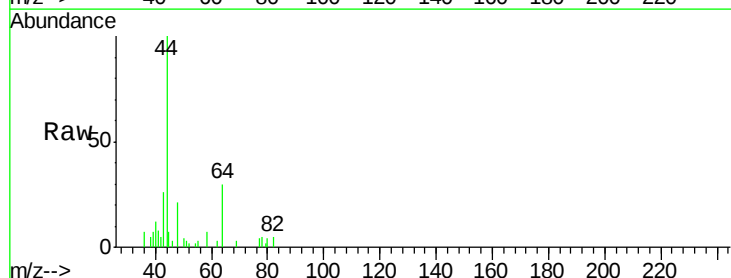
Acq: 18 May 2018 19:47

Tgt Ion: 43 Resp: 788

Ion Ratio Lower Upper

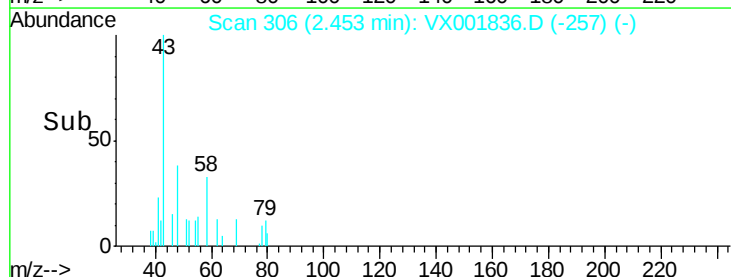
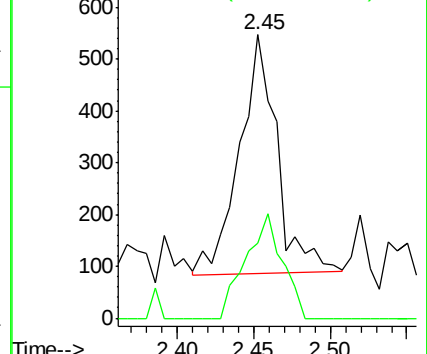
43 100

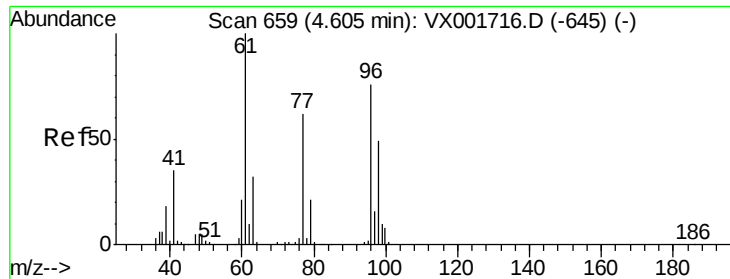
58 31.8 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

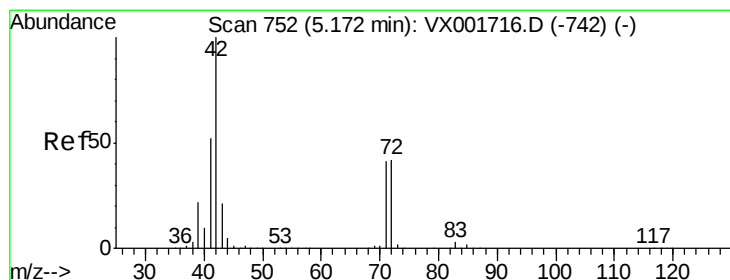
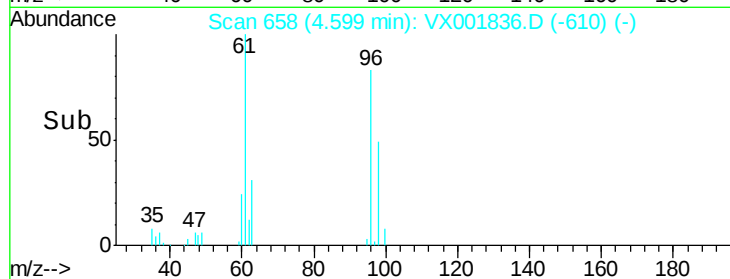
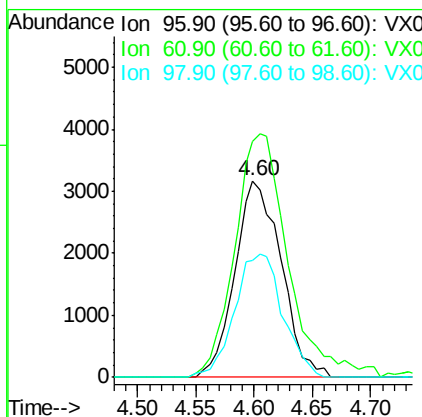
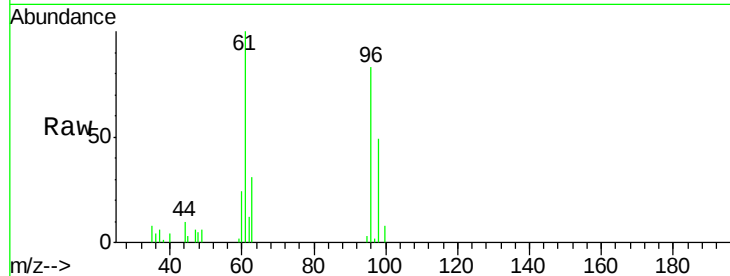




#27
 cis-1,2-Dichloroethene
 Concen: 2.27 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001836.D
 Acq: 18 May 2018 19:47

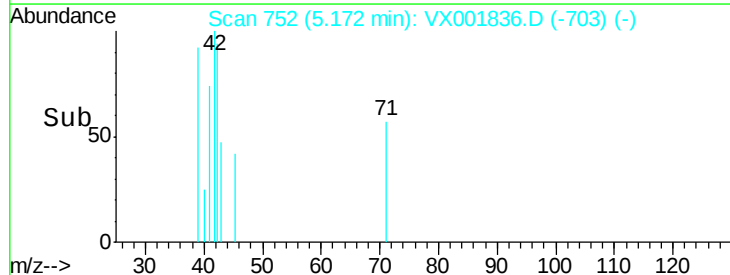
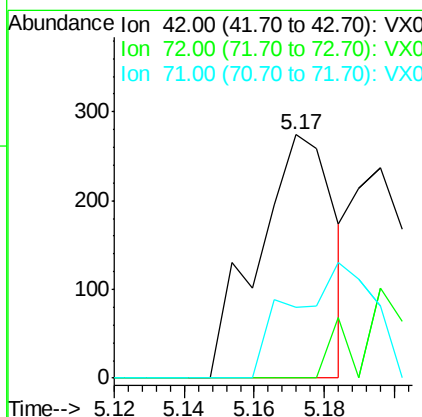
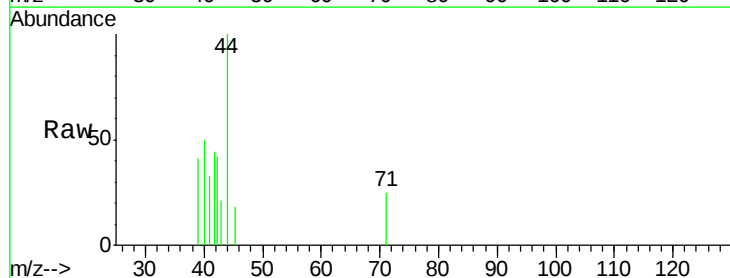
Instrument :
 MSVOA_X
 ClientSampled :

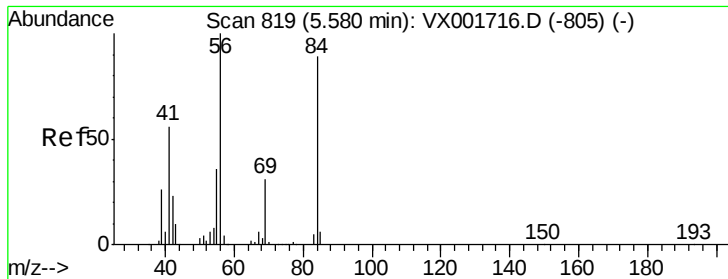
Tot Ion: 96 Resp: 8781
 Ion Ratio Lower Upper
 96 100
 61 143.0 0.0 280.4
 98 65.0 0.0 128.4



#29
 Tetrahydrofuran
 Concen: 0.25 ug/l
 RT: 5.17 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX001836.D
 Acq: 18 May 2018 19:47

Tgt Ion: 42 Resp: 414
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.4 53.2#
 71 50.7 33.2 49.8#

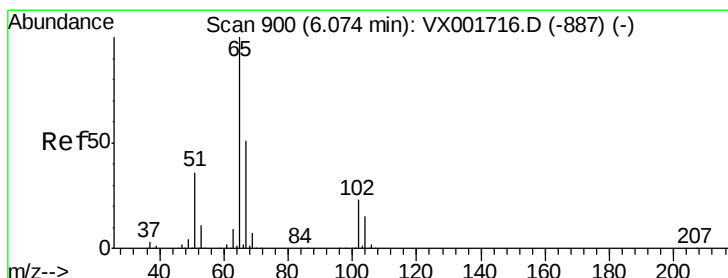
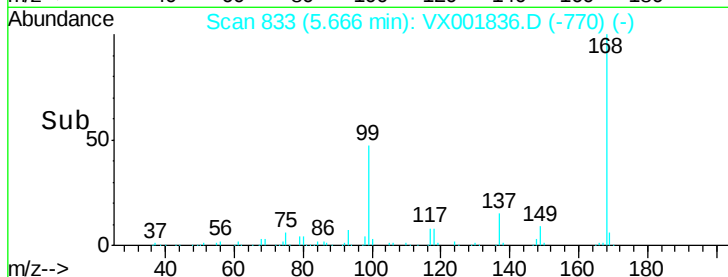
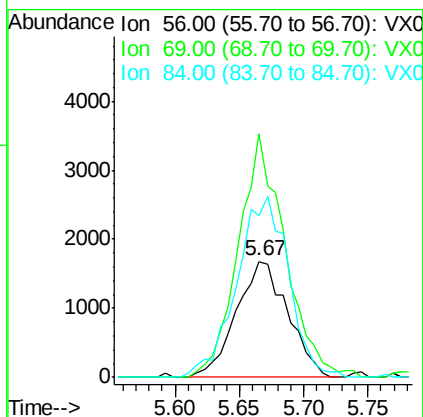
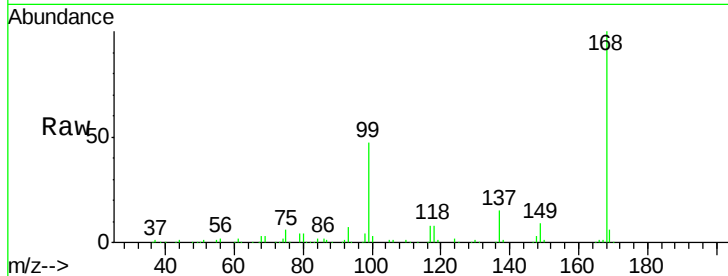




#31
Cvclohexane
Concen: 0.88 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001836.D
Acq: 18 May 2018 19:47

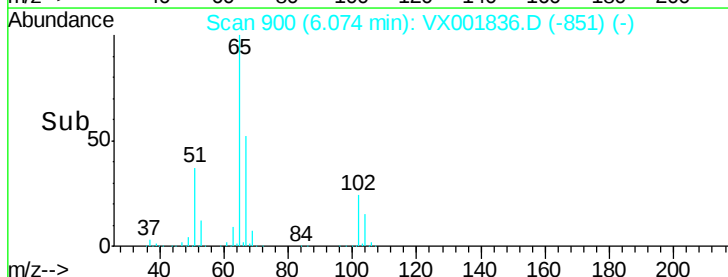
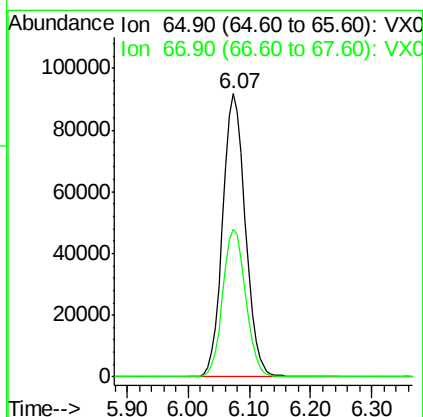
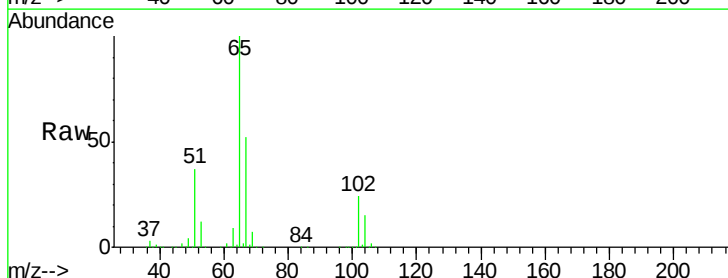
Instrument :
MSVOA_X
ClientSampleId :

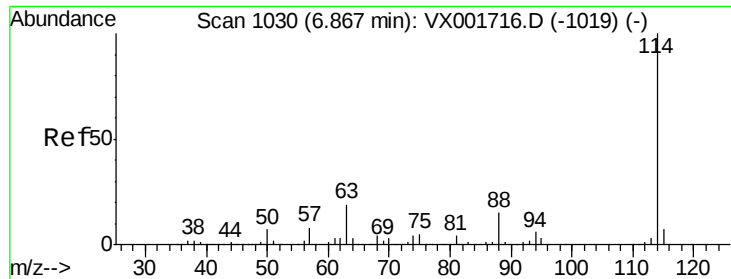
Tot Ion: 56 Resp: 4636
Ion Ratio Lower Upper
56 100
69 209.9 25.0 37.6#
84 136.3 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 56.09 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001836.D
Acq: 18 May 2018 19:47

Tgt Ion: 65 Resp: 235127
Ion Ratio Lower Upper
65 100
67 52.9 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: VX001836.D

Acq: 18 May 2018 19:47

Instrument :
MSVOA_X
ClientSampleId :

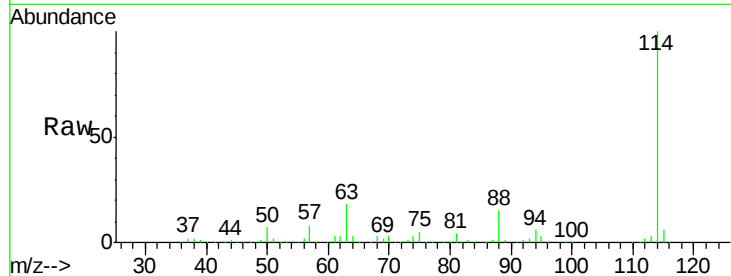
Tot Ion:114 Resp: 445840

Ion Ratio Lower Upper

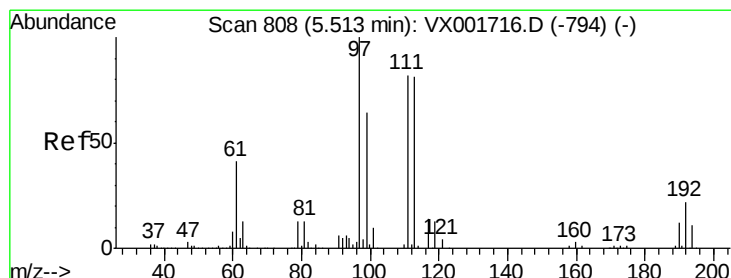
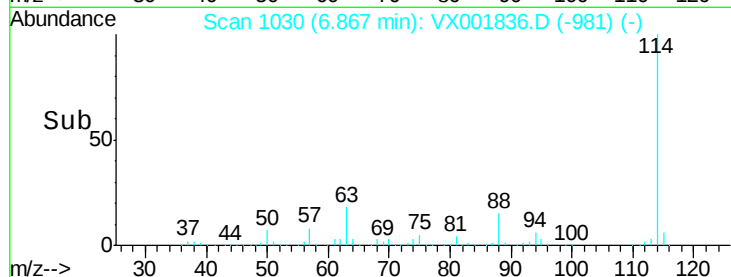
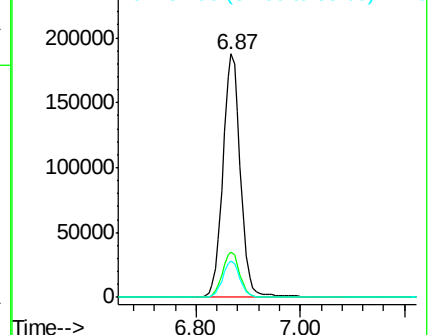
114 100

63 18.5 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: 53.97 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001836.D

Acq: 18 May 2018 19:47

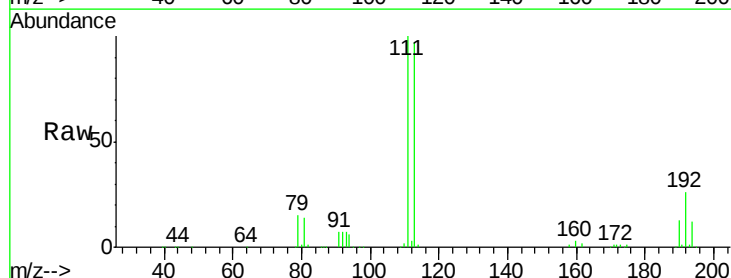
Tgt Ion:113 Resp: 203068

Ion Ratio Lower Upper

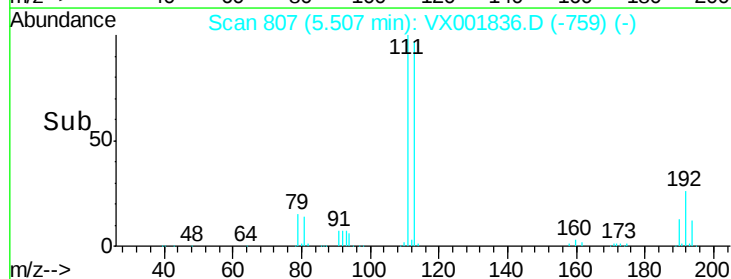
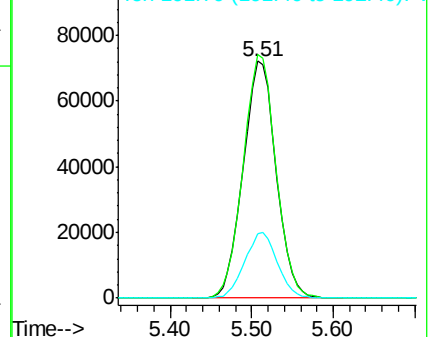
113 100

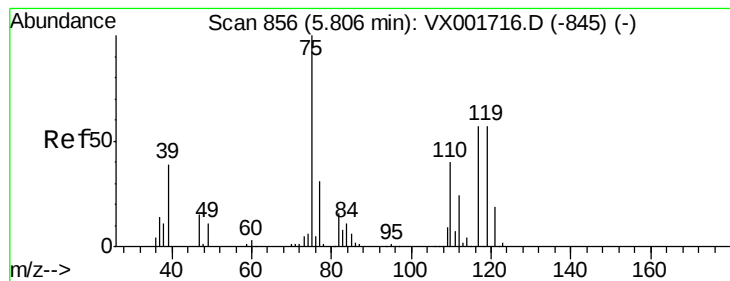
111 102.0 82.0 123.0

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: 3.47 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001836.D

Acq: 18 May 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

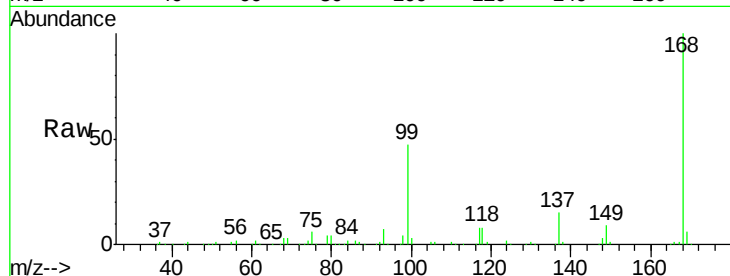
Tot Ion: 75 Resp: 17828

Ion Ratio Lower Upper

75 100

110 10.1 19.1 57.1#

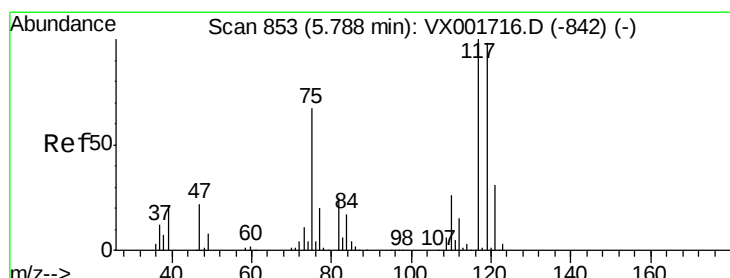
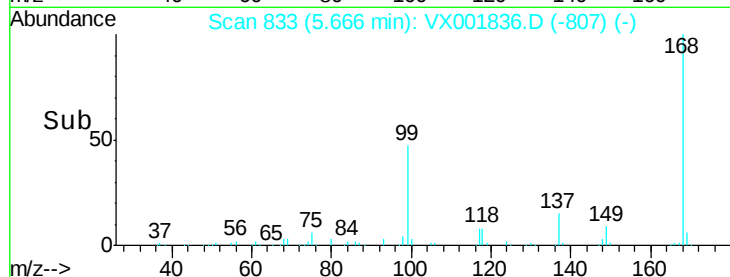
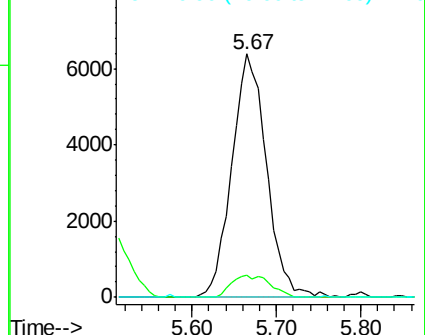
77 0.0 24.6 37.0#



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: 4.73 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001836.D

Acq: 18 May 2018 19:47

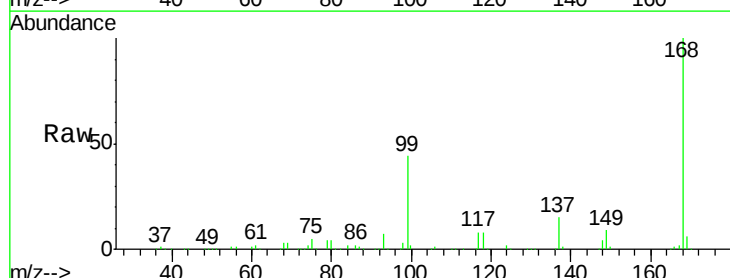
Tgt Ion: 117 Resp: 25448

Ion Ratio Lower Upper

117 100

119 5.2 77.6 116.4#

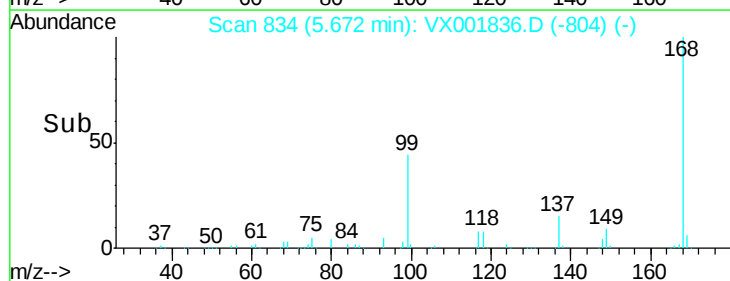
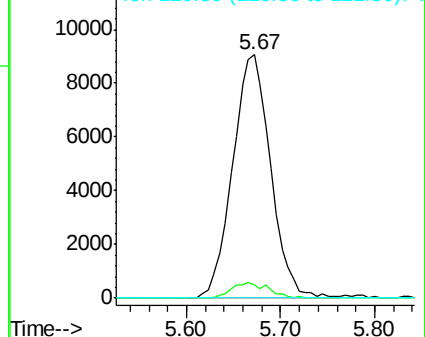
121 0.0 24.6 36.8#

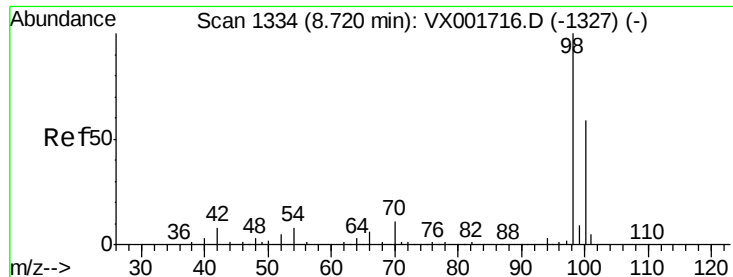


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

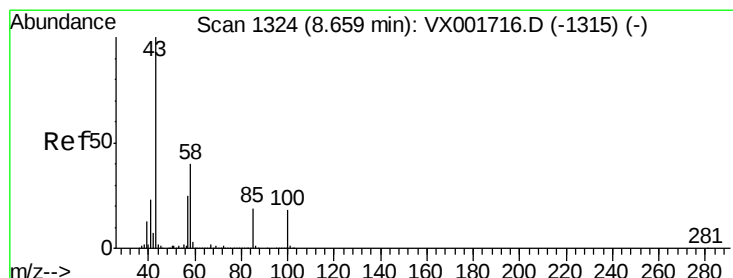
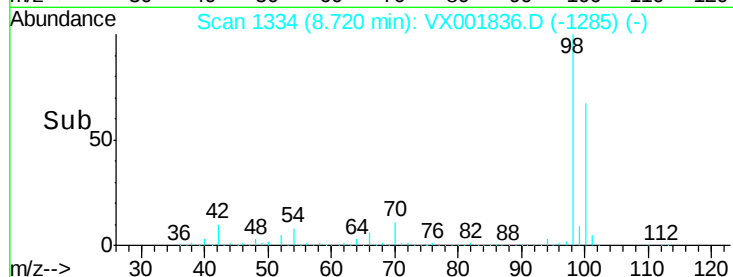
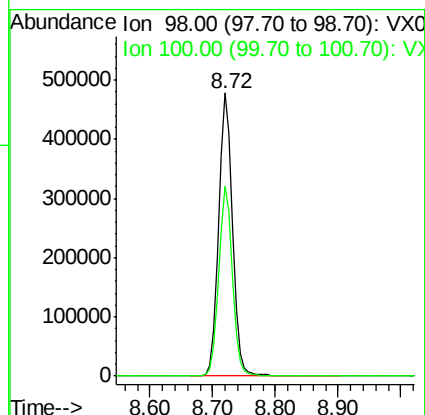
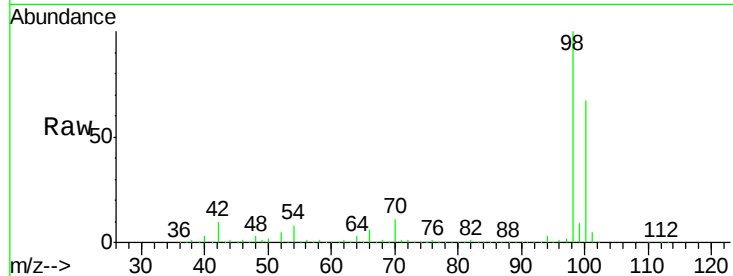




#50
Toluene-d8
Concen: 54.29 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001836.D
Acq: 18 May 2018 19:47

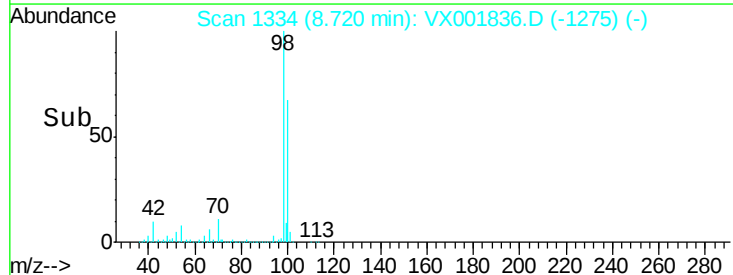
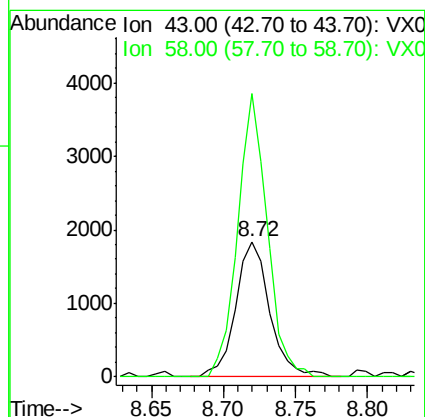
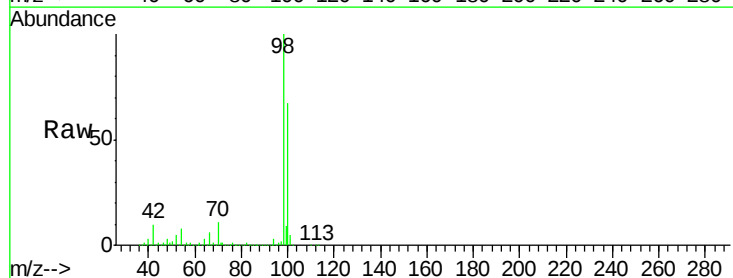
Instrument :
MSVOA_X
ClientSampleId :

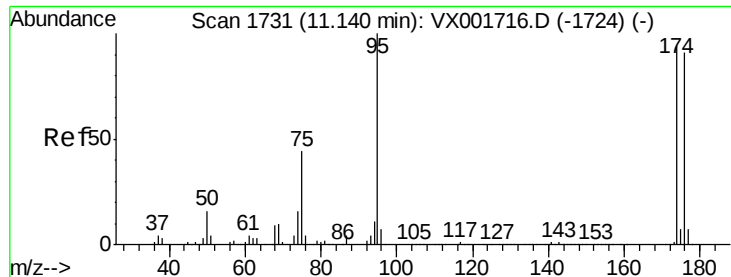
Tot Ion: 98 Resp: 731604
Ion Ratio Lower Upper
98 100
100 66.3 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.57 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001836.D
Acq: 18 May 2018 19:47

Tgt Ion: 43 Resp: 3042
Ion Ratio Lower Upper
43 100
58 180.8 31.4 47.0#

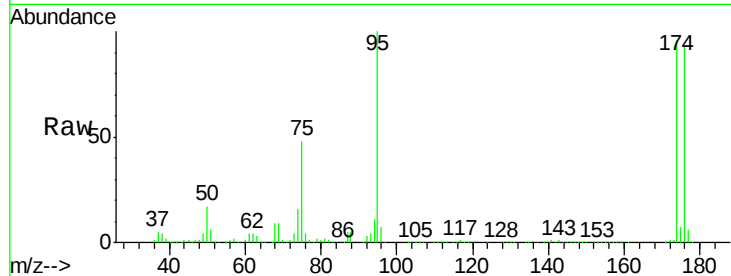




#62
4-Bromofluorobenzene
Concen: 42.91 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001836.D
Acq: 18 May 2018 19:47

Instrument :
MSVOA_X
ClientSampleId :

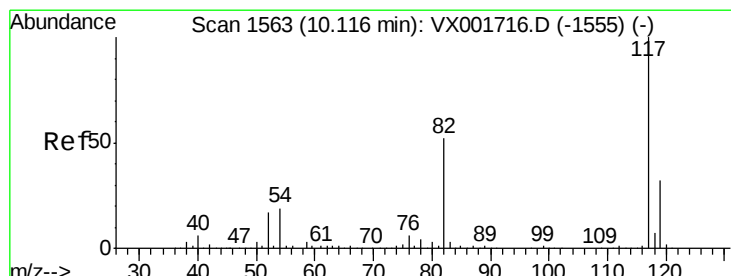
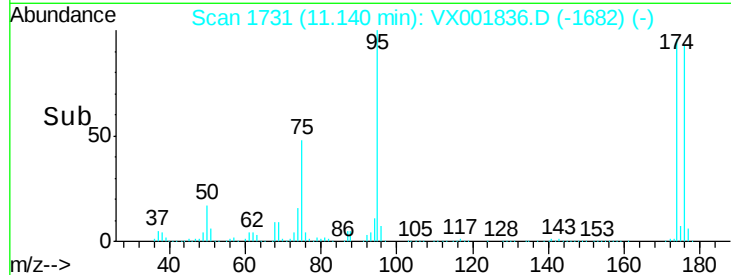
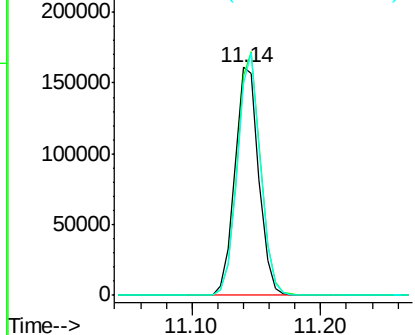
Tot Ion	95	Resp	208181
Ion	Ratio	Lower	Upper
95	100		
174	104.0	0.0	201.8
176	101.5	0.0	196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001836.D (-1682) (-)

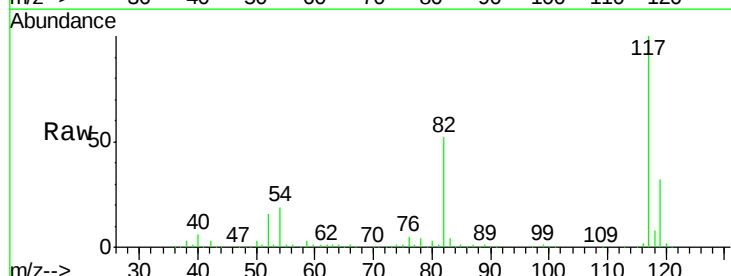
Ion 173.80 (173.50 to 174.50): VX001836.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001836.D (-1682) (-)



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001836.D
Acq: 18 May 2018 19:47

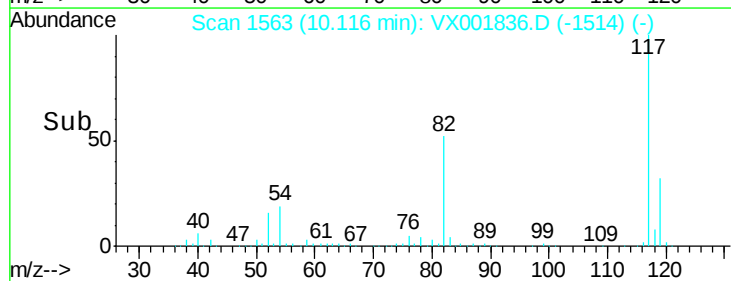
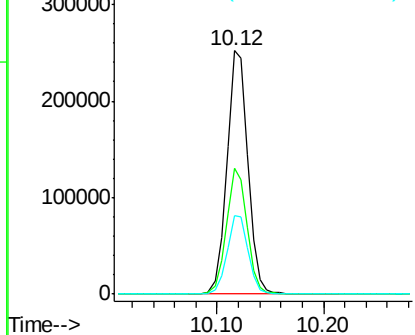
Tgt Ion	117	Resp	347990
Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.4	62.2
119	32.4	25.6	38.4

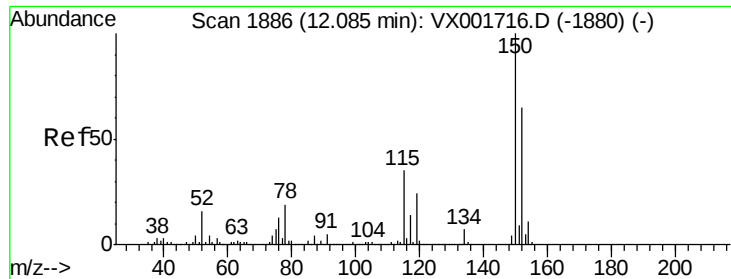


Abundance Ion 116.90 (116.60 to 117.60): VX001836.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX001836.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX001836.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001836.D

Acq: 18 May 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

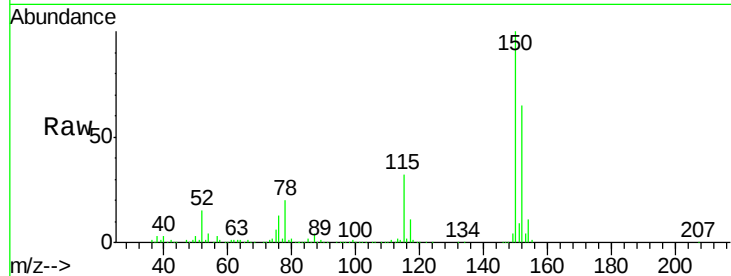
Tot Ion:152 Resp: 191711

Ion Ratio Lower Upper

152 100

115 51.4 37.4 112.2

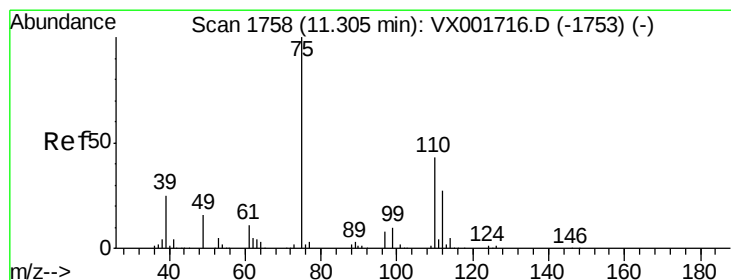
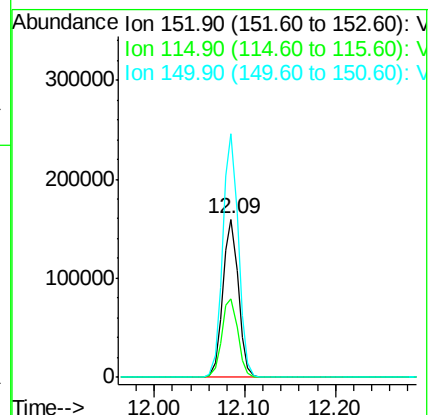
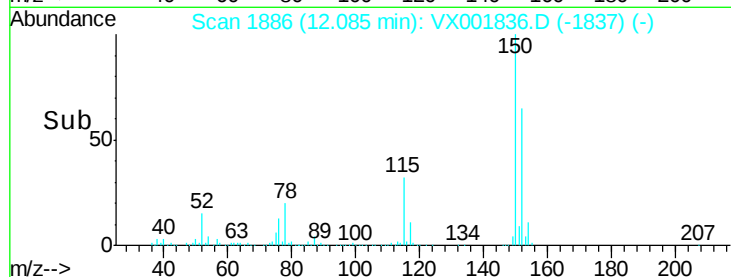
150 155.2 0.0 344.8



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: 26.92 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001836.D

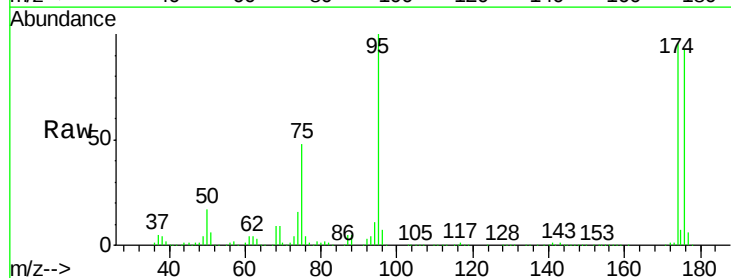
Acq: 18 May 2018 19:47

Tgt Ion: 75 Resp: 98131

Ion Ratio Lower Upper

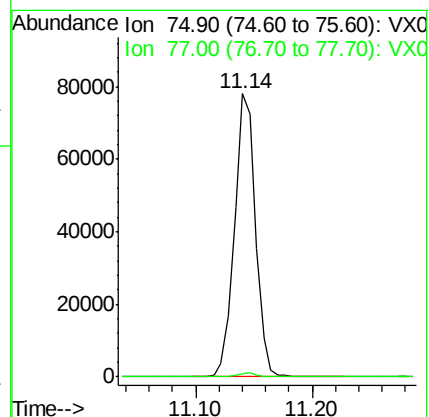
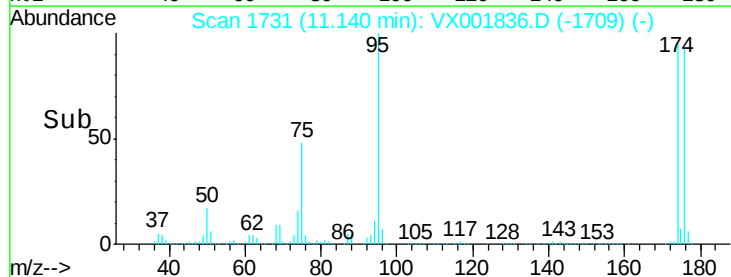
75 100

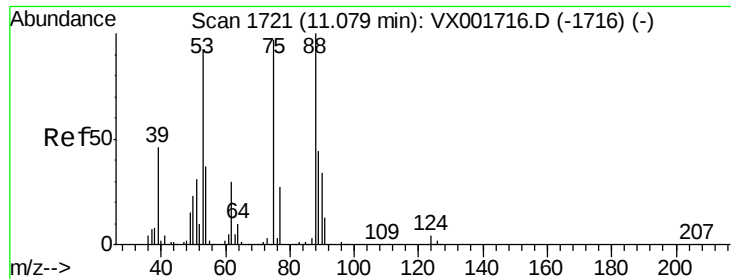
77 1.3 18.9 56.7#



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: 78.22 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001836.D
 Acq: 18 May 2018 19:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 98131
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#

