

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041318\
 Data File : VX000842.D
 Acq On : 13 Apr 2018 11:37
 Operator : JC/MD
 Sample : VX0413WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBL01

Quant Time: Apr 14 05:09:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	310472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	402145	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229192	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	192490	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
35) Dibromofluoromethane	5.51	113	159463	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.94%	
50) Toluene-d8	8.72	98	612885	53.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.26%	
62) 4-Bromofluorobenzene	11.14	95	232168	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	

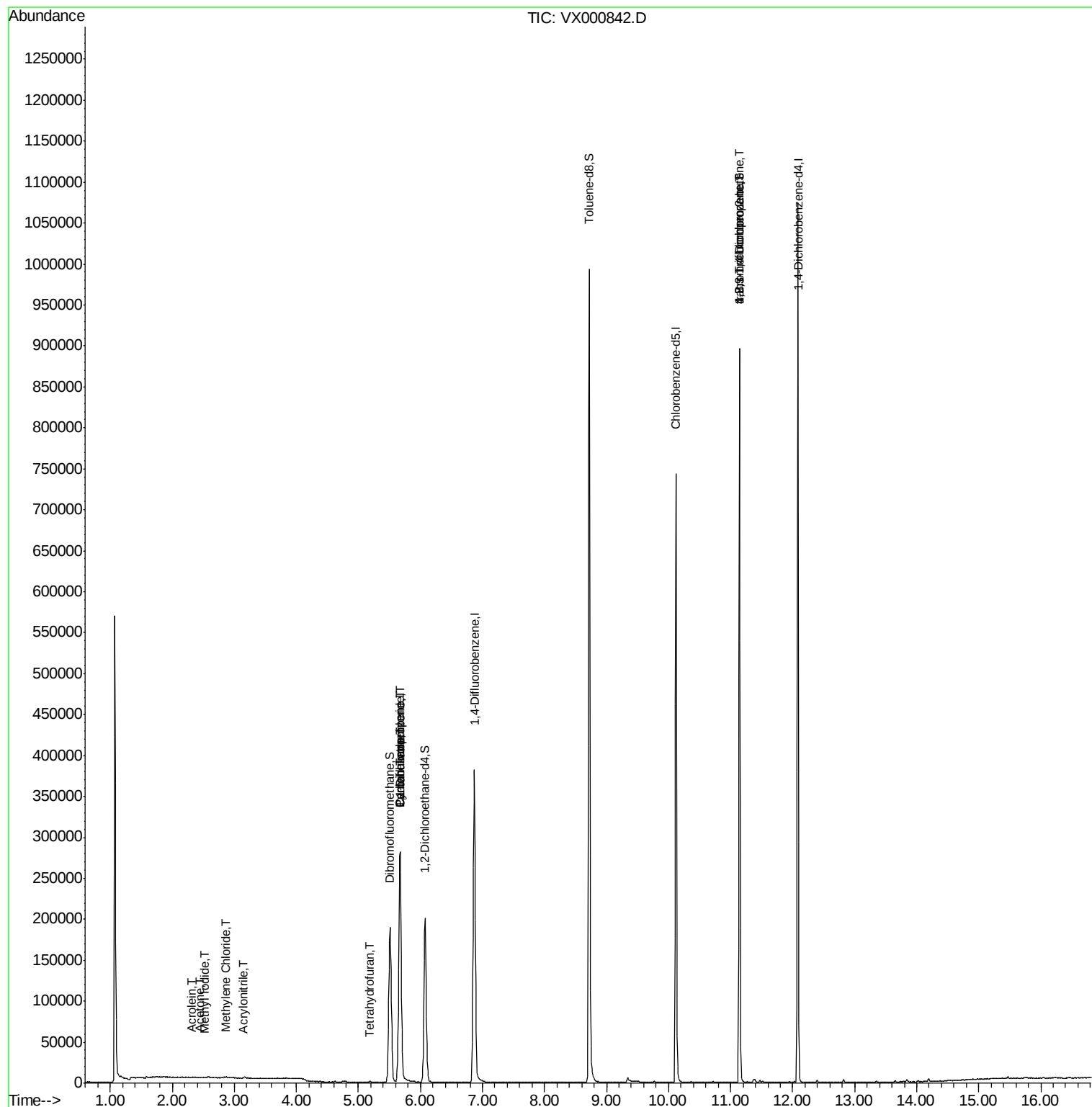
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	470	Below Cal	#	75
10) Methyl Iodide	2.52	142	284	8.33	ug/l #	65
13) Acrolein	2.31	56	208	0.62	ug/l #	51
15) Acrylonitrile	3.14	53	813	0.55	ug/l #	78
16) Acetone	2.45	43	617	0.46	ug/l	94
20) Methylene Chloride	2.87	84	678	0.22	ug/l #	86
29) Tetrahydrofuran	5.18	42	388	0.27	ug/l	99
31) Cyclohexane	5.67	56	5218	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18868	4.26	ug/l #	48
38) Carbon Tetrachloride	5.67	117	25939	5.23	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	112723	28.52	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	112723	78.45	ug/l #	11

(#) = 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: VX000842.D

Acq: 13 Apr 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

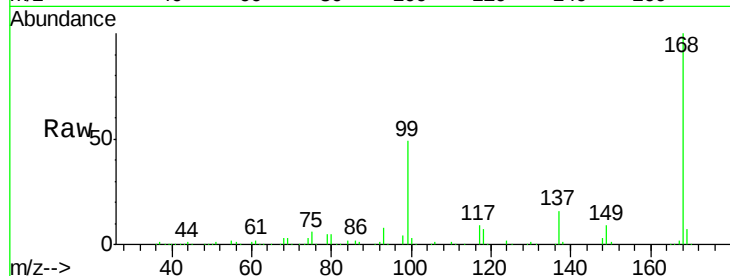
VX0413WBL01

Tgt Ion:168 Resp: 310472

Ion Ratio Lower Upper

168 100

99 48.5 38.3 57.5



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

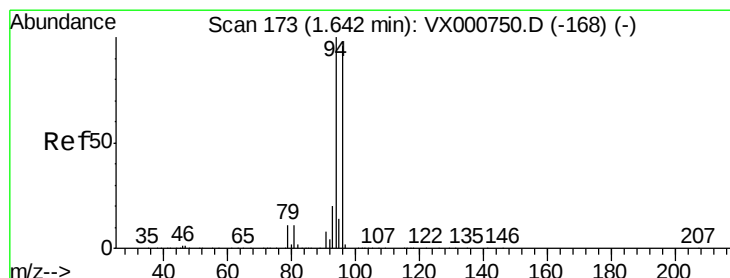
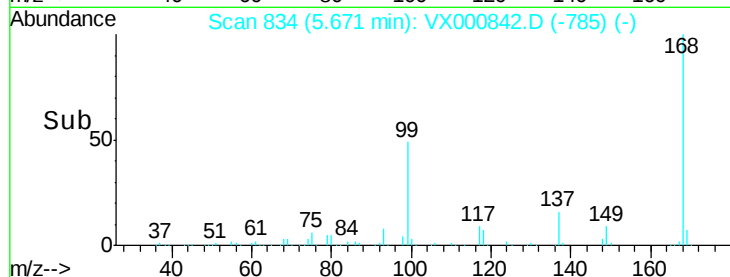
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000842.D

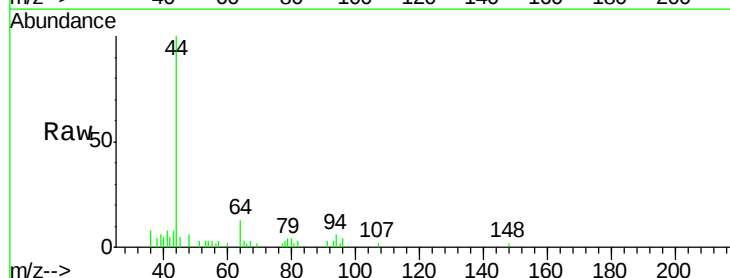
Acq: 13 Apr 2018 11:37

Tgt Ion: 94 Resp: 470

Ion Ratio Lower Upper

94 100

96 72.1 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

150

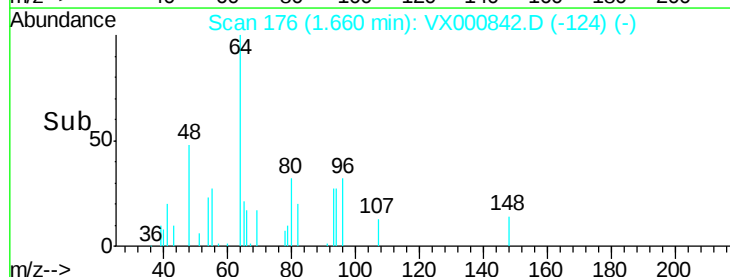
100

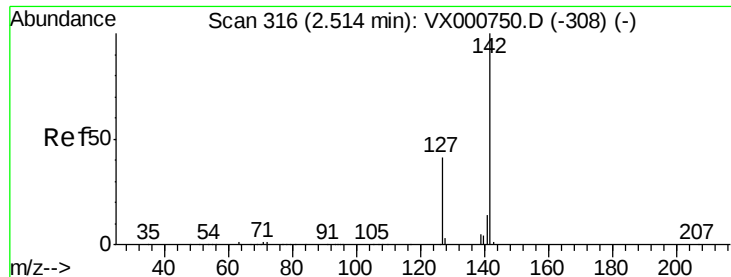
50

0

Time-->

1.60 1.65 1.70

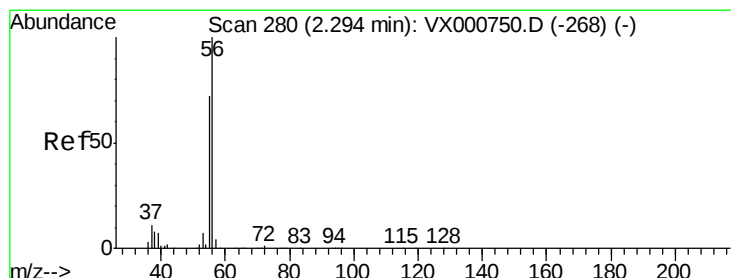
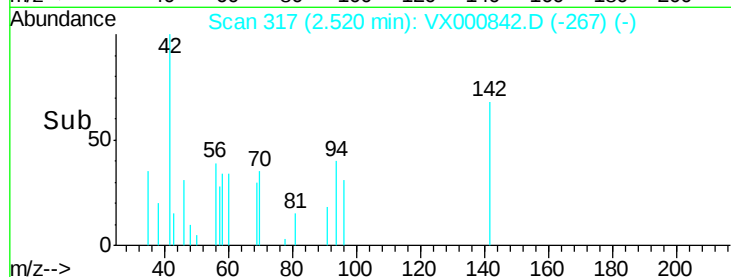
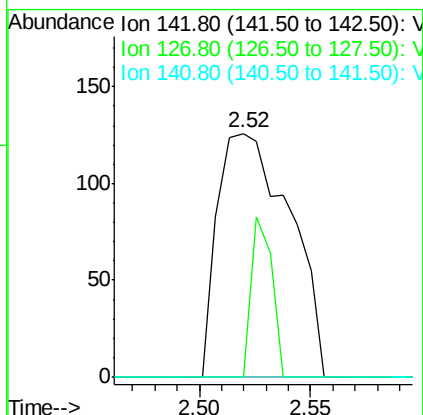
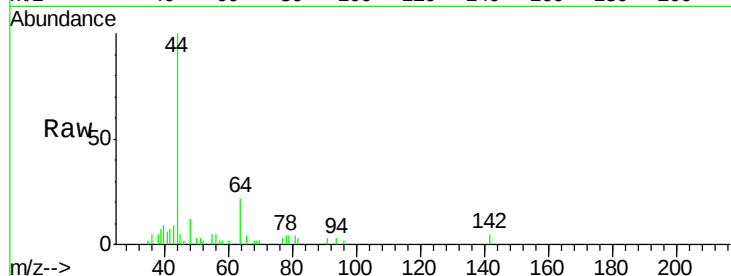




#10
Methyl Iodide
Concen: 8.33 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000842.D
Acq: 13 Apr 2018 11:37

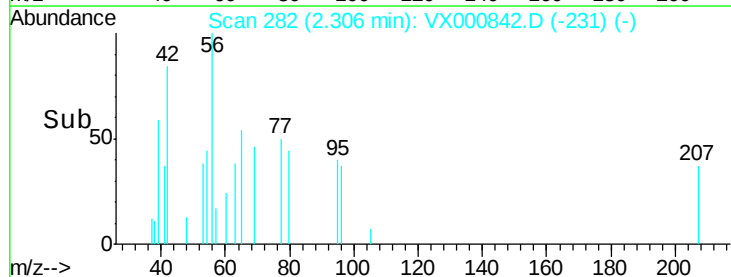
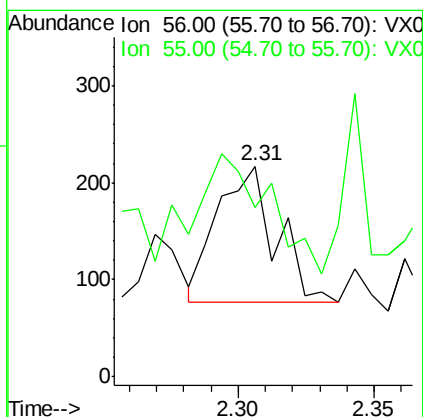
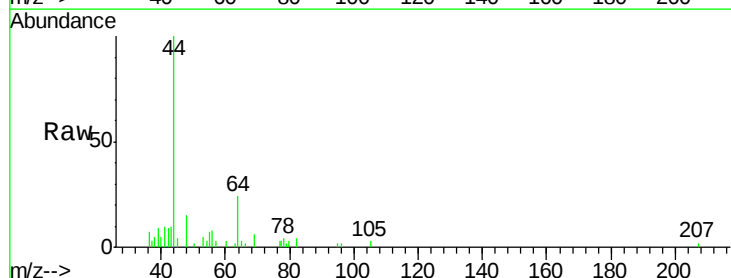
Instrument :
MSVOA_X
ClientSampleId :
VX0413WBL01

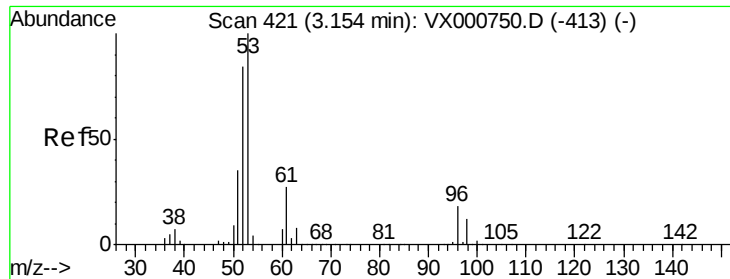
Tgt Ion: 142 Resp: 284
Ion Ratio Lower Upper
142 100
127 19.0 32.6 49.0#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.62 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX000842.D
Acq: 13 Apr 2018 11:37

Tgt Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 114.4 58.7 88.1#





#15

Acrylonitrile

Concen: 0.55 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX000842.D

Acq: 13 Apr 2018 11:37

Instrument :

MSVOA_X

ClientSampled :

VX0413WBL01

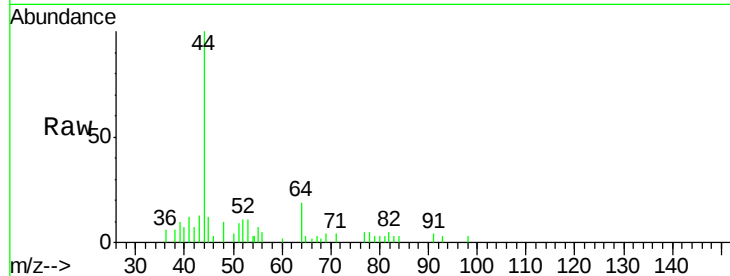
Tgt Ion: 53 Resp: 813

Ion Ratio Lower Upper

53 100

52 70.6 66.5 99.7

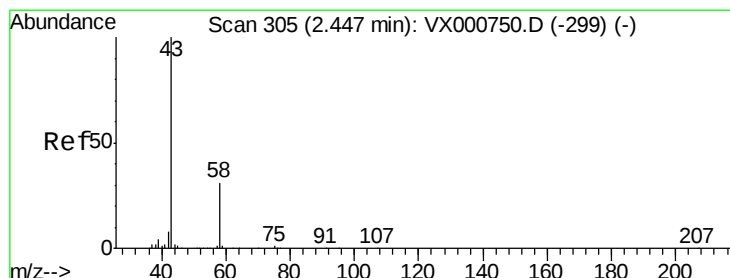
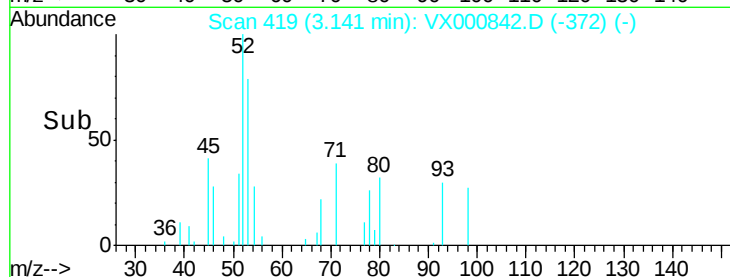
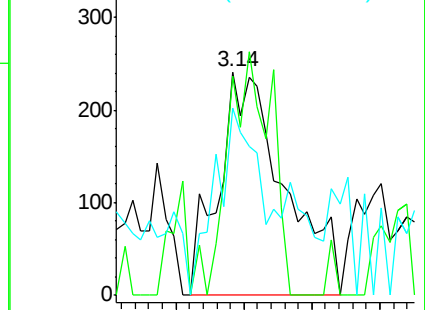
51 59.8 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.46 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000842.D

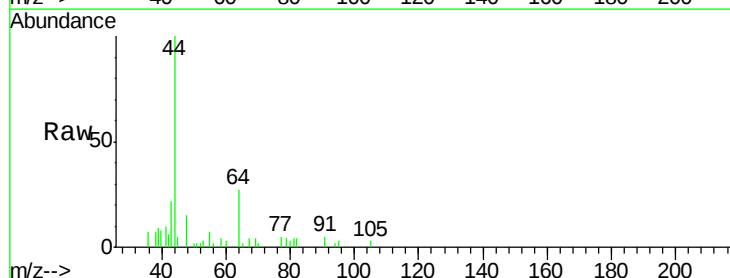
Acq: 13 Apr 2018 11:37

Tgt Ion: 43 Resp: 617

Ion Ratio Lower Upper

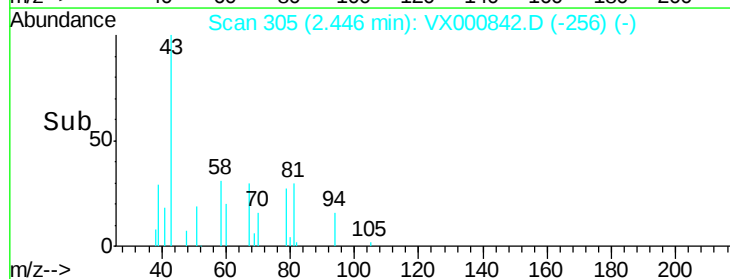
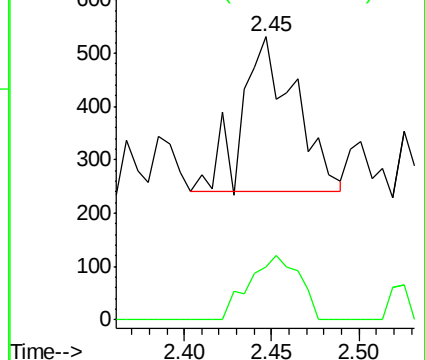
43 100

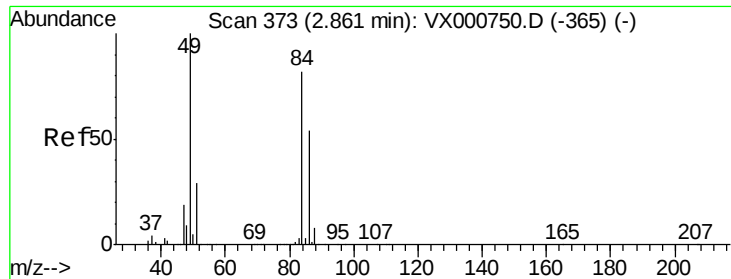
58 34.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

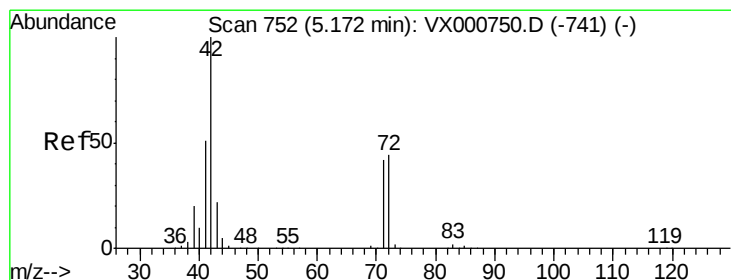
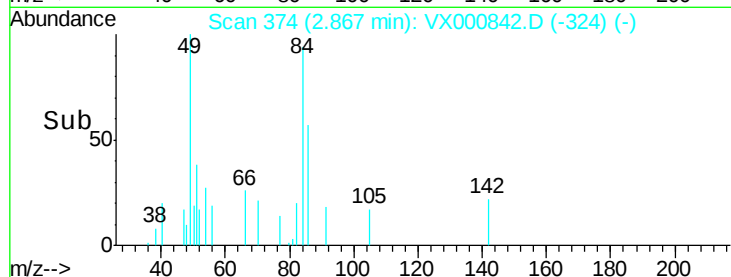
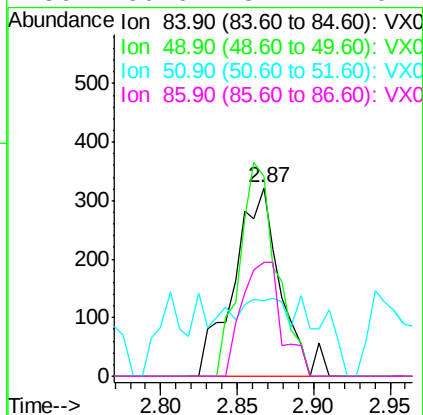
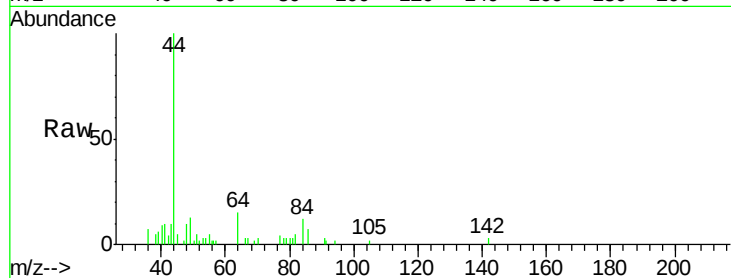




#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000842.D
Acq: 13 Apr 2018 11:37

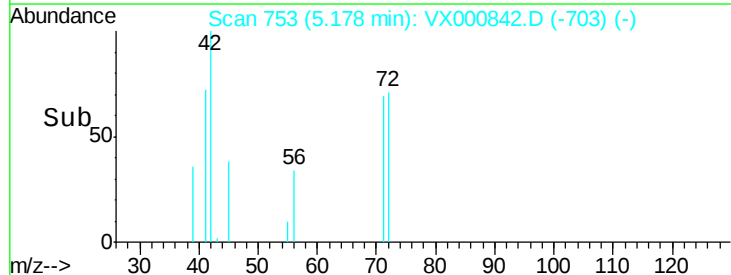
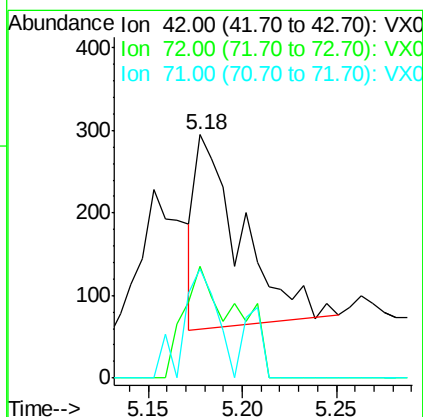
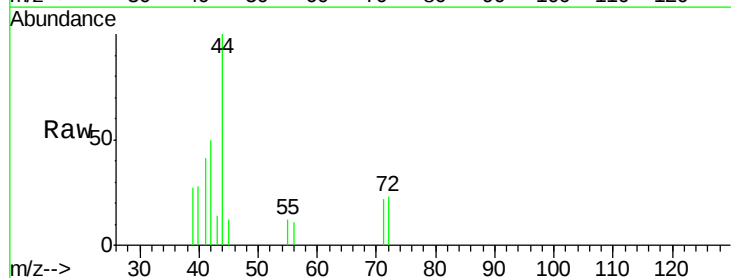
Instrument :
MSVOA_X
ClientSampleId :
VX0413WBL01

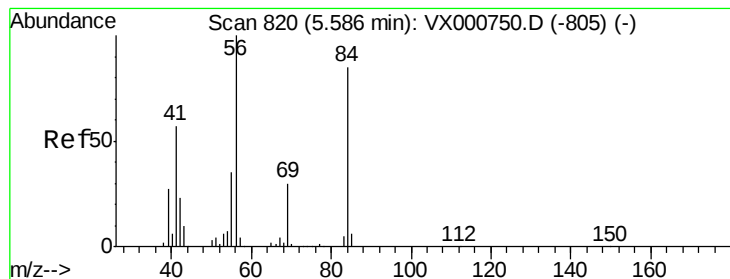
Tgt Ion: 84 Resp: 678
Ion Ratio Lower Upper
84 100
49 105.9 98.1 147.1
51 20.8 28.9 43.3#
86 60.6 52.7 79.1



#29
Tetrahydrofuran
Concen: 0.27 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX000842.D
Acq: 13 Apr 2018 11:37

Tgt Ion: 42 Resp: 388
Ion Ratio Lower Upper
42 100
72 43.3 35.1 52.7
71 42.0 32.8 49.2





#31

Cyclohexane

Concen: 1.01 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000842.D

Acq: 13 Apr 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBL01

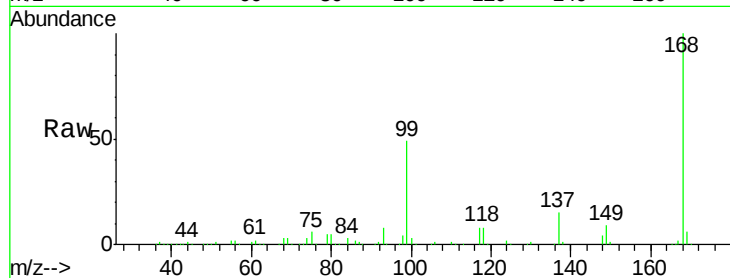
Tgt Ion: 56 Resp: 5218

Ion Ratio Lower Upper

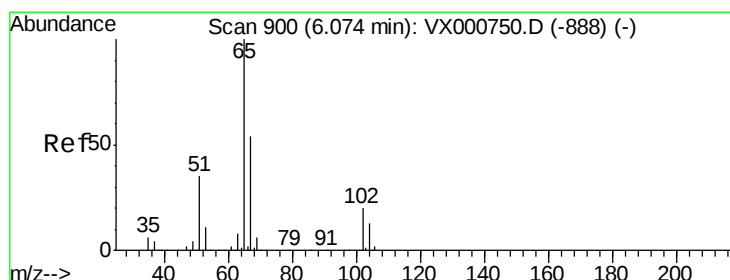
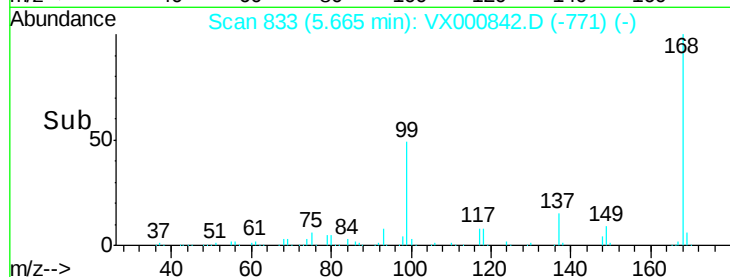
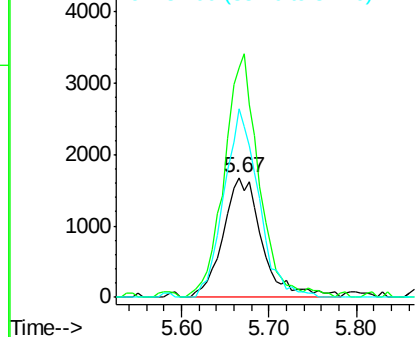
56 100

69 187.6 24.2 36.4#

84 157.5 67.6 101.4#



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: 49.17 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000842.D

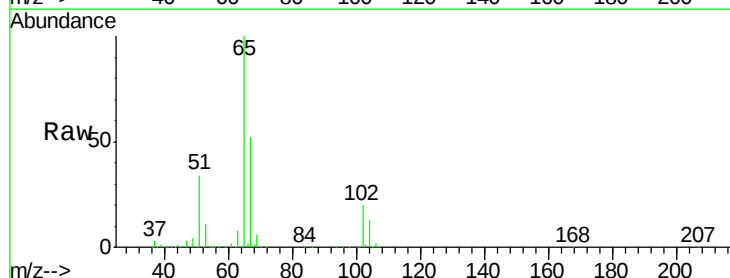
Acq: 13 Apr 2018 11:37

Tgt Ion: 65 Resp: 192490

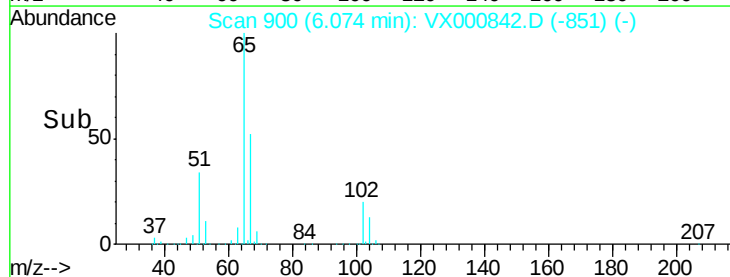
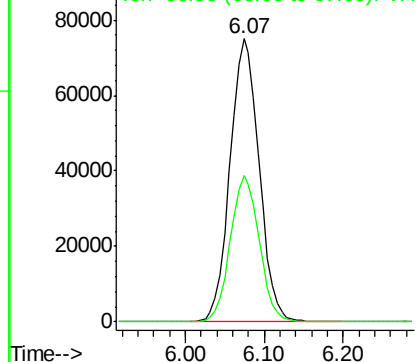
Ion Ratio Lower Upper

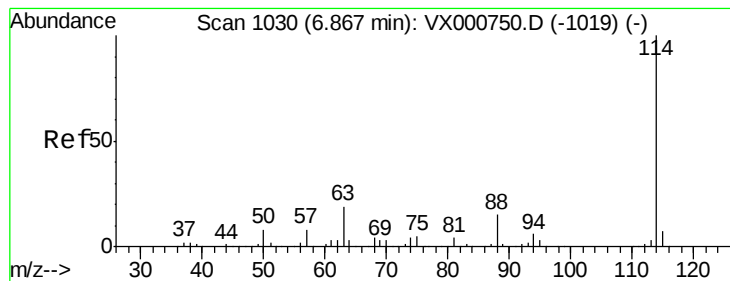
65 100

67 51.5 0.0 103.8



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: VX000842.D

Acq: 13 Apr 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBL01

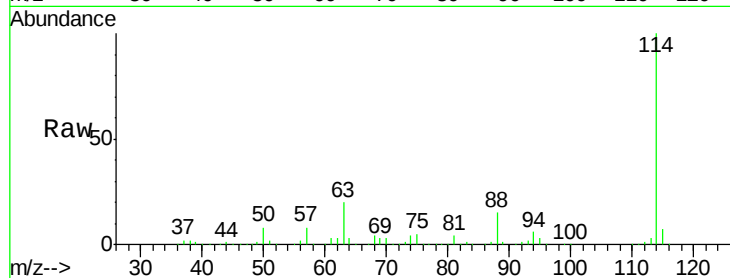
Tgt Ion:114 Resp: 402145

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

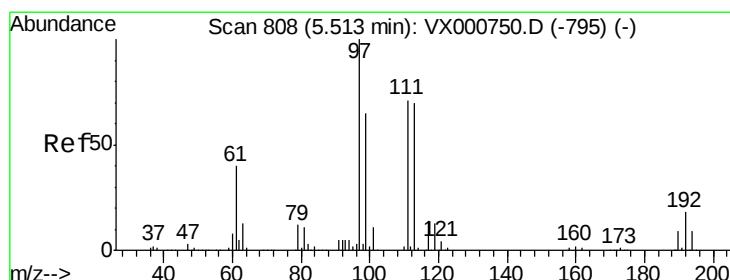
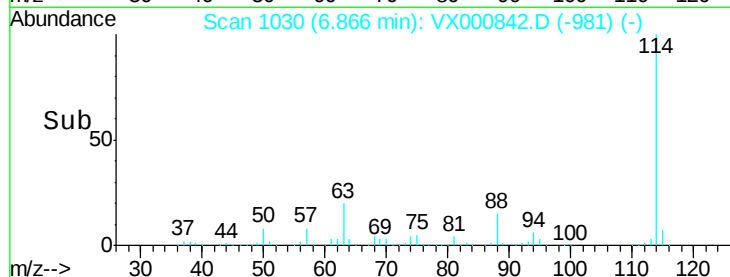
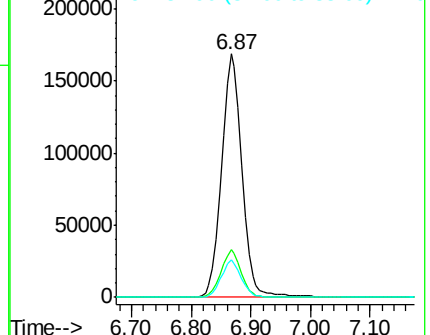
88 15.5 0.0 31.0



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: 51.47 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX000842.D

Acq: 13 Apr 2018 11:37

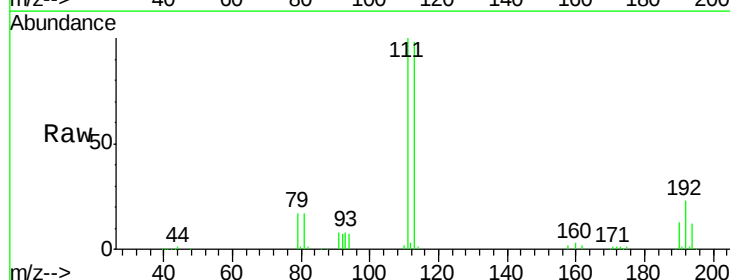
Tgt Ion:113 Resp: 159463

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

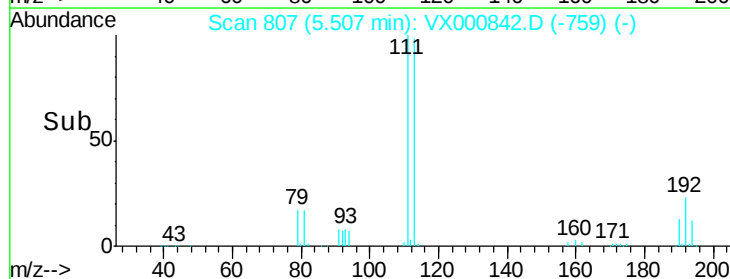
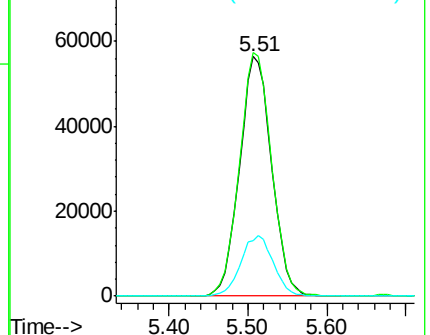
192 25.7 20.4 30.6

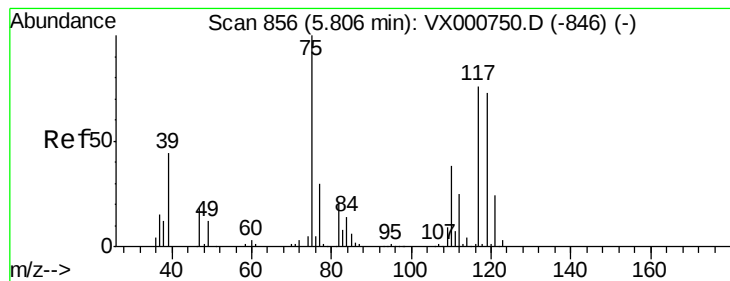


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.26 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000842.D

Acq: 13 Apr 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBL01

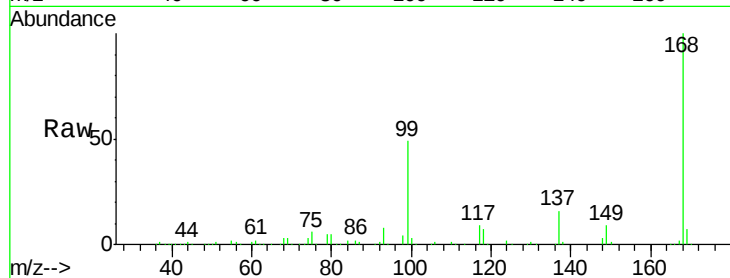
Tgt Ion: 75 Resp: 18868

Ion Ratio Lower Upper

75 100

110 9.6 19.2 57.6#

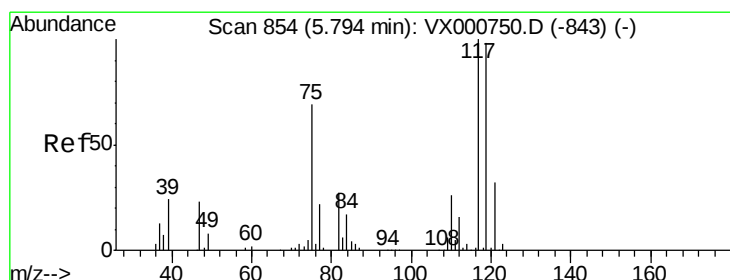
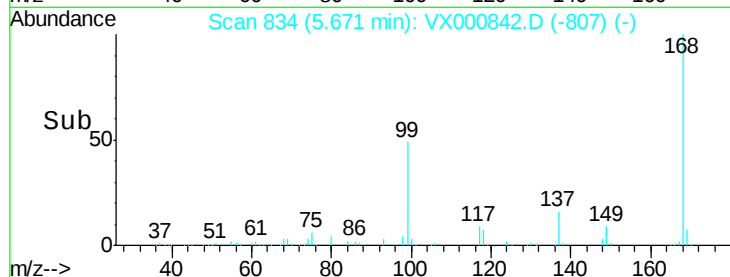
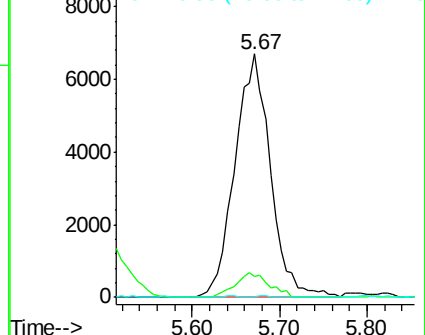
77 0.2 25.4 38.2#



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: 5.23 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000842.D

Acq: 13 Apr 2018 11:37

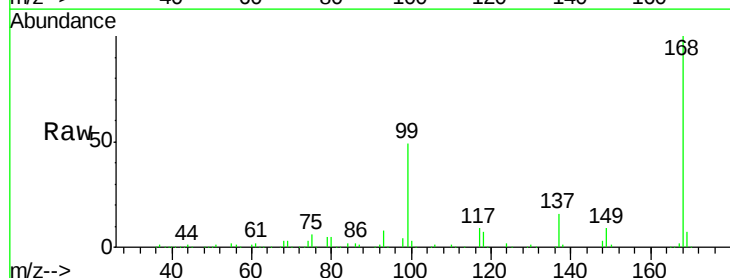
Tgt Ion: 117 Resp: 25939

Ion Ratio Lower Upper

117 100

119 5.3 78.4 117.6#

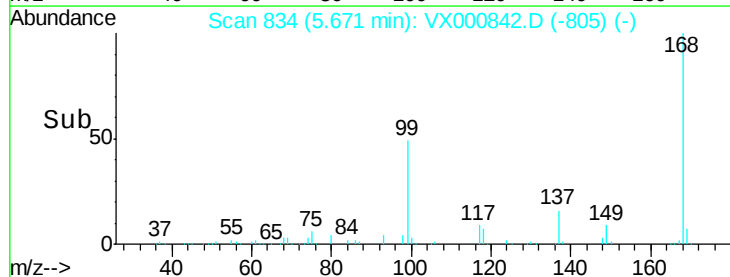
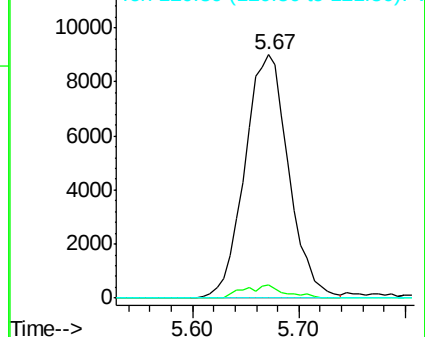
121 0.0 25.4 38.0#

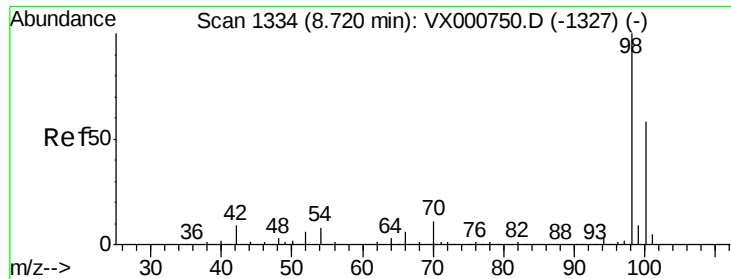


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 53.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000842.D

Acq: 13 Apr 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

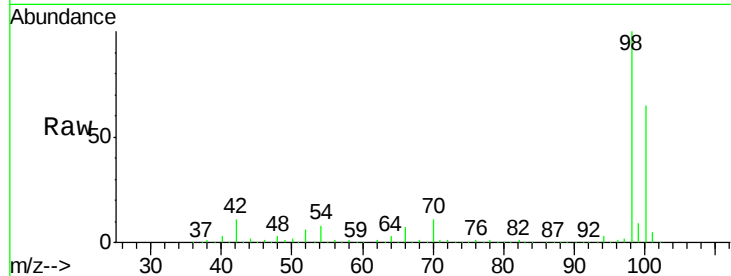
VX0413WBL01

Tgt Ion: 98 Resp: 612885

Ion Ratio Lower Upper

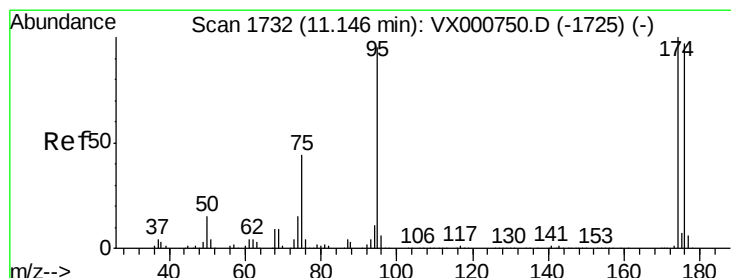
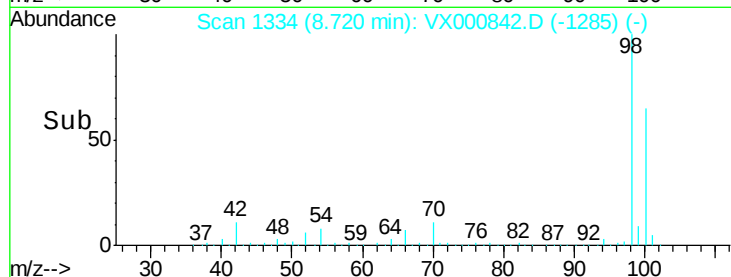
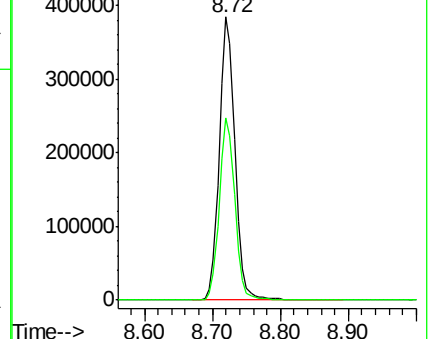
98 100

100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 48.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000842.D

Acq: 13 Apr 2018 11:37

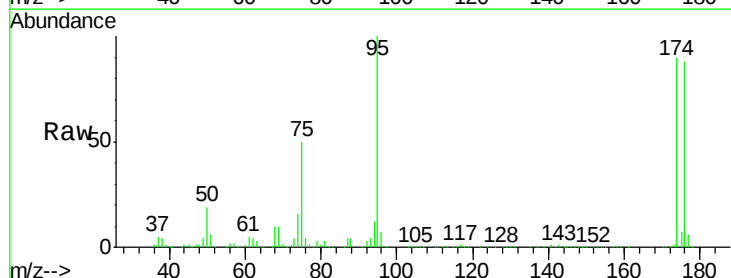
Tgt Ion: 95 Resp: 232168

Ion Ratio Lower Upper

95 100

174 98.6 0.0 198.4

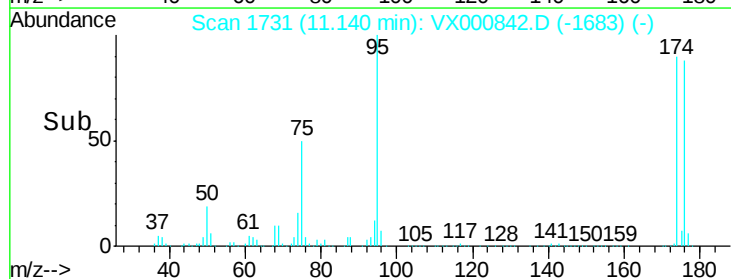
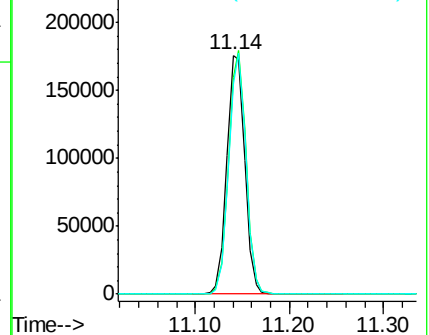
176 96.8 0.0 194.4

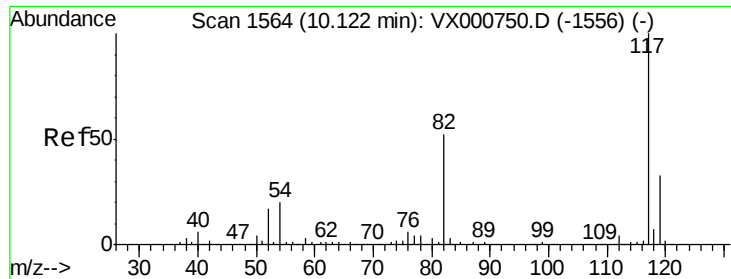


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

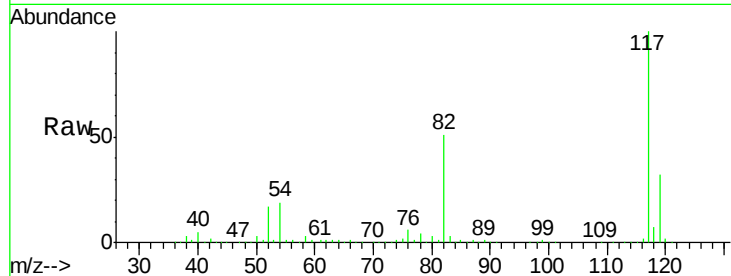




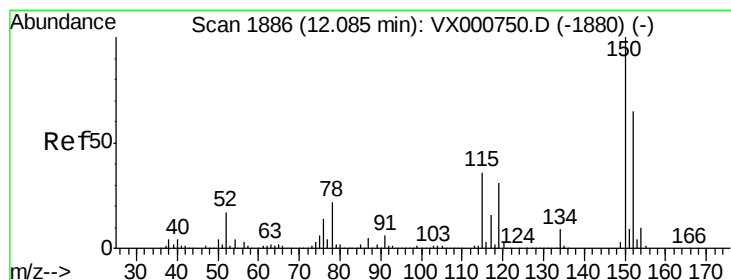
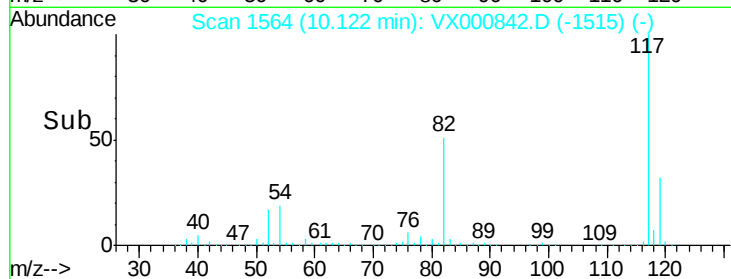
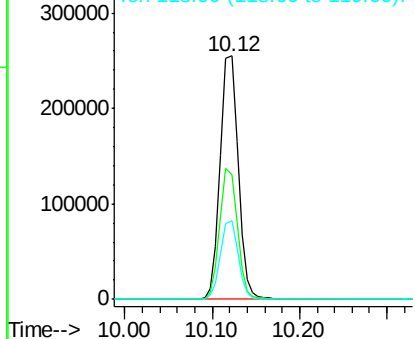
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000842.D
Acq: 13 Apr 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBL01

Tgt Ion:117 Resp: 365433
Ion Ratio Lower Upper
117 100
82 51.2 41.9 62.9
119 32.5 26.0 39.0

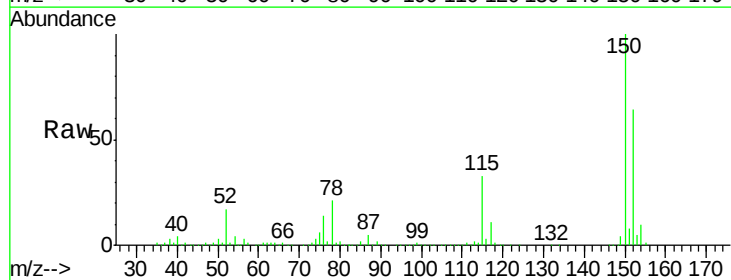


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

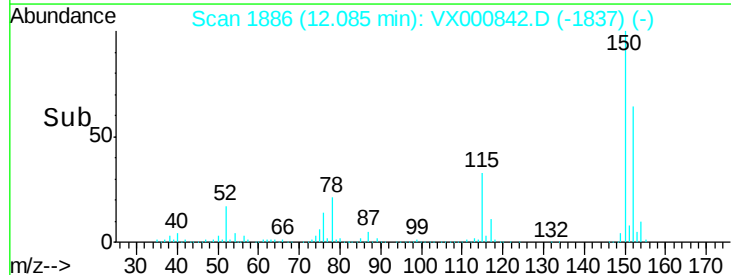
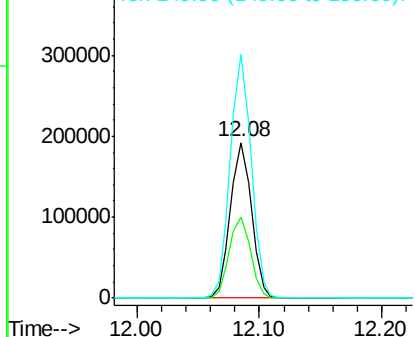


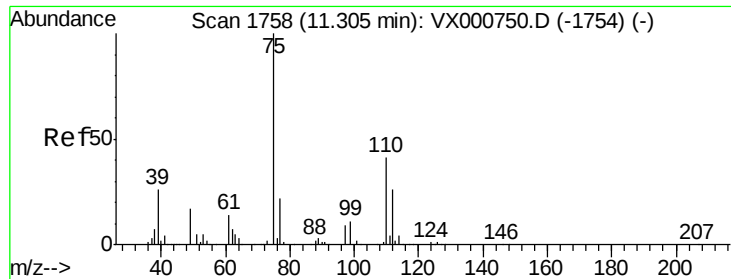
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000842.D
Acq: 13 Apr 2018 11:37

Tgt Ion:152 Resp: 229192
Ion Ratio Lower Upper
152 100
115 53.1 37.9 113.7
150 155.9 0.0 348.0



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

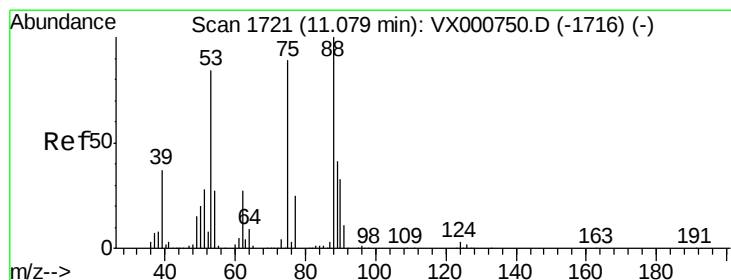
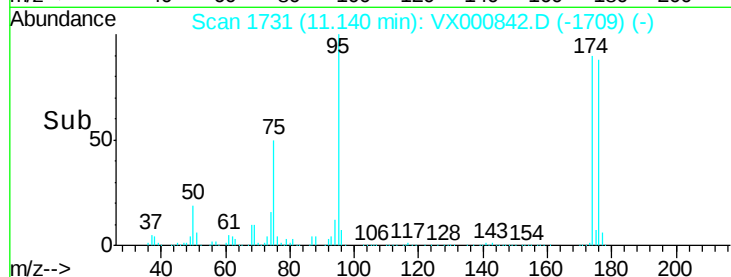
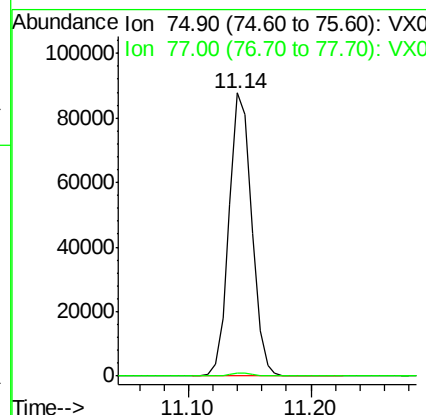
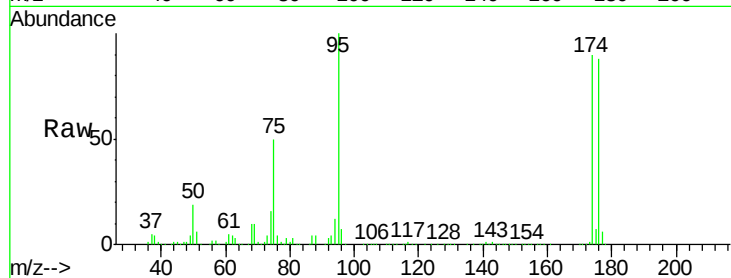




#76
 1,2,3-Trichloropropane
 Concen: 28.52 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000842.D
 Acq: 13 Apr 2018 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBL01

Tgt Ion: 75 Resp: 112723
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.45 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000842.D
 Acq: 13 Apr 2018 11:37

Tgt Ion: 75 Resp: 112723
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

