

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000247.D
 Acq On : 09 Mar 2018 02:56
 Operator : JC/MD
 Sample : J1823-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MHB-WCA

Quant Time: Mar 09 10:57:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	87327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	150621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	151173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	79818	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	74292	61.37	ug/l	0.00
Spiked Amount			Recovery	=	122.74%	
35) Dibromofluoromethane	5.51	113	54789	57.91	ug/l	0.00
Spiked Amount			Recovery	=	115.82%	
50) Toluene-d8	8.73	98	215560	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	
62) 4-Bromofluorobenzene	11.15	95	76895	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	

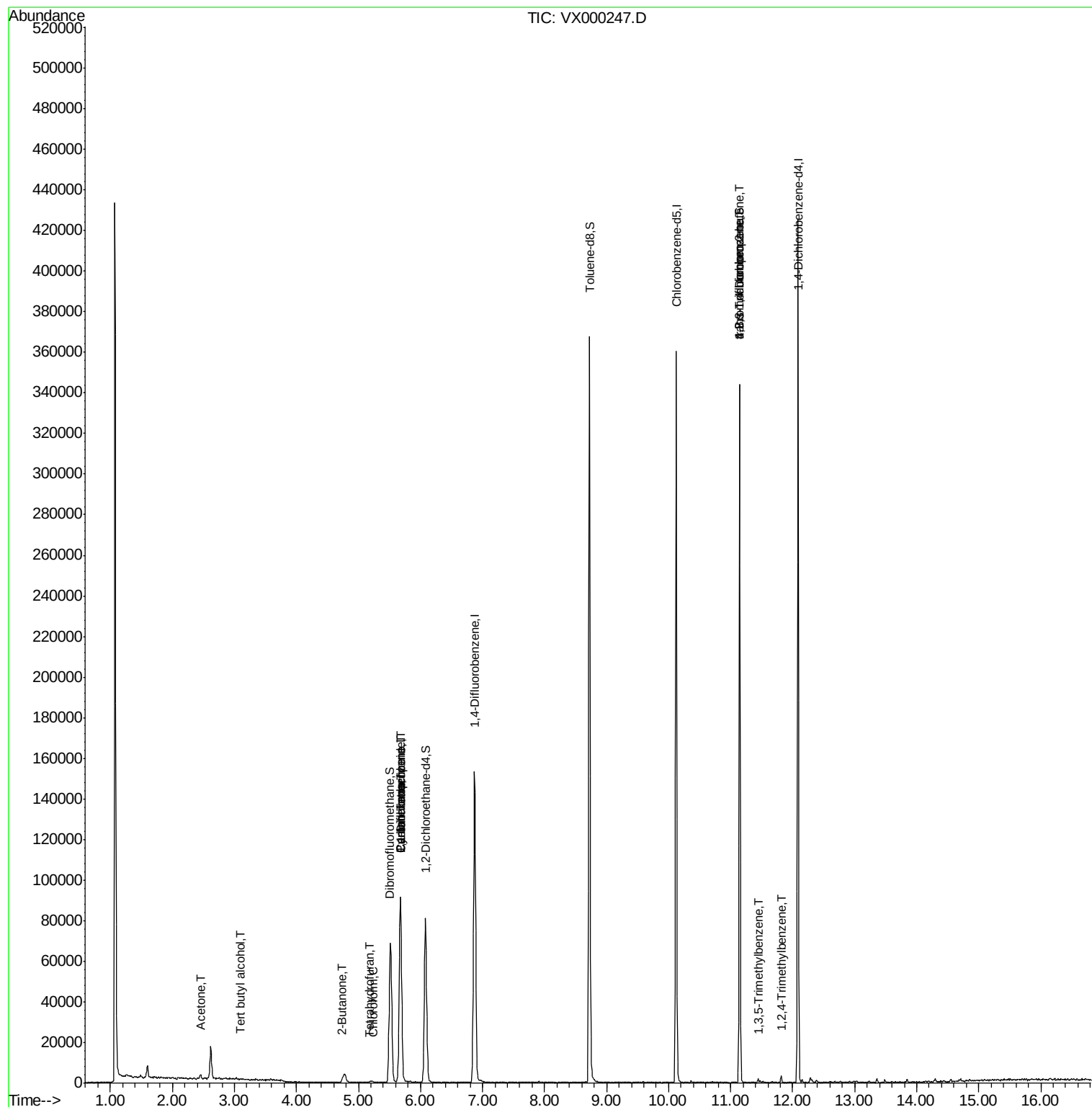
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	108	Below Cal	#	38
11) Tert butyl alcohol	3.09	59	132	0.30	ug/l #	72
16) Acetone	2.45	43	2351	2.70	ug/l	97
25) 2-Butanone	4.73	43	337	0.31	ug/l #	50
29) Tetrahydrofuran	5.17	42	188	0.28	ug/l #	31
30) Chloroform	5.24	83	366	0.21	ug/l #	55
31) Cyclohexane	5.68	56	2308	1.74	ug/l #	51
36) 1,1-Dichloropropene	5.67	75	7006	5.23	ug/l #	50
38) Carbon Tetrachloride	5.67	117	8813	6.50	ug/l #	19
76) 1,2,3-Trichloropropane	11.15	75	43798	27.37	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.44	105	1143	0.27	ug/l	68
81) trans-1,4-Dichloro-2-buten	11.15	75	43798	83.82	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	1525	0.36	ug/l	83

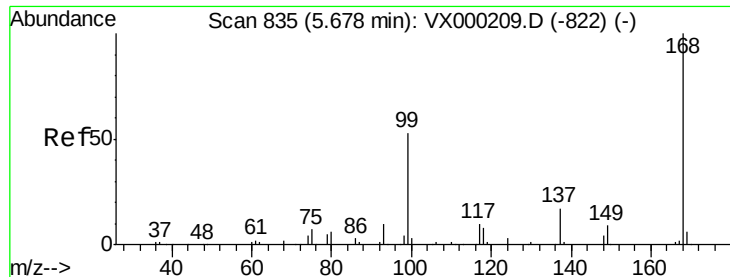
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

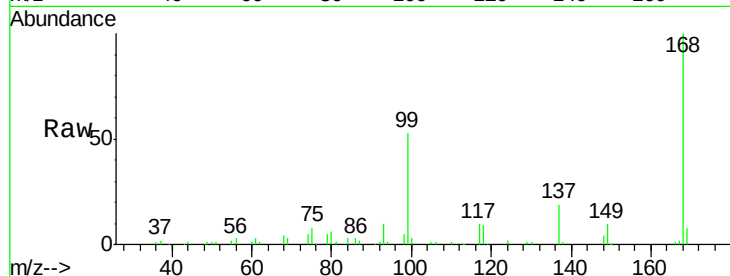
MHB-WCA

Tot Ion:168 Resp: 87327

Ion Ratio Lower Upper

168 100

99 53.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

30000

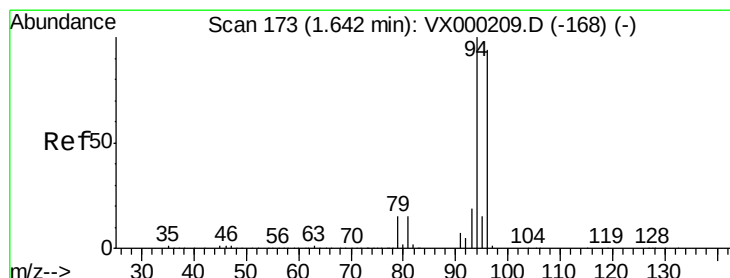
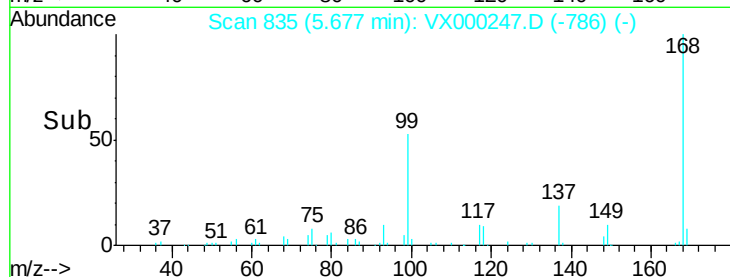
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000247.D

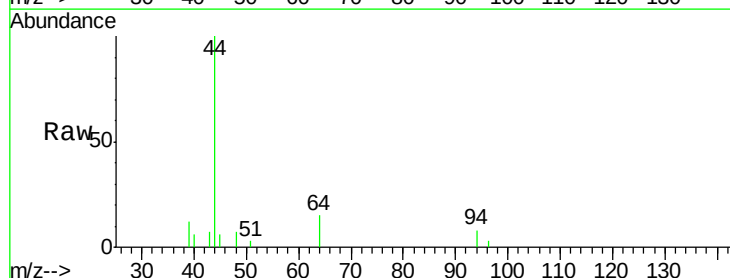
Acq: 09 Mar 2018 02:56

Tgt Ion: 94 Resp: 108

Ion Ratio Lower Upper

94 100

96 33.8 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

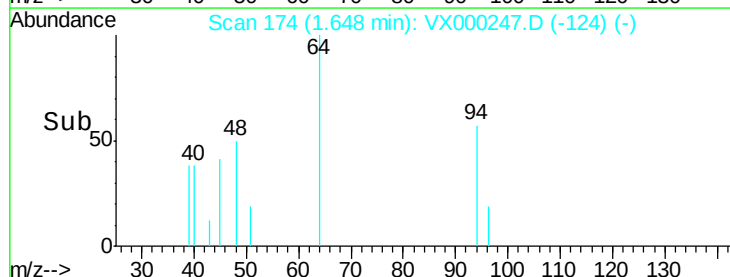
100

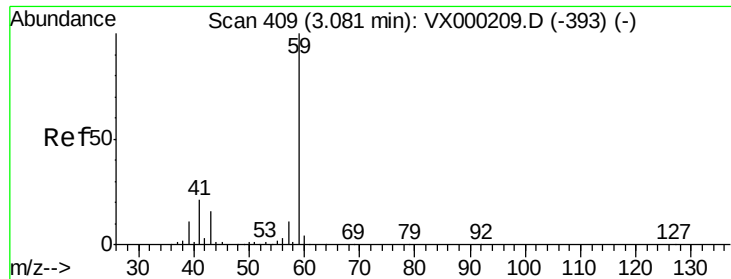
50

0

Time-->

1.64 1.66



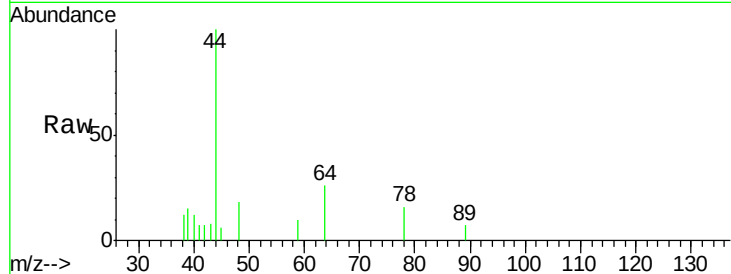


#11

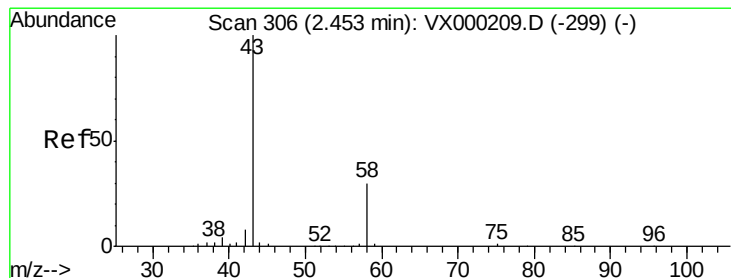
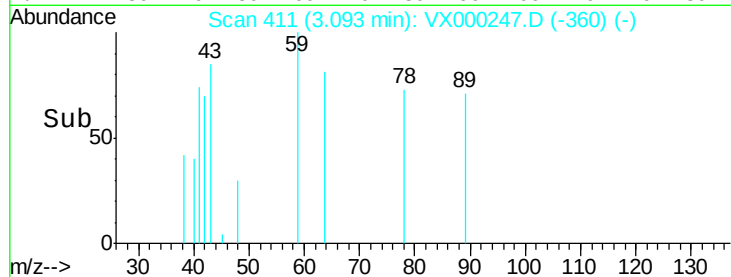
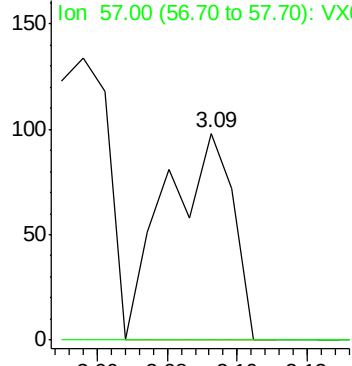
Tert butyl alcohol
 Concen: 0.30 ug/l
 RT: 3.09 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VX000247.D
 Acq: 09 Mar 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MHB-WCA

Tot Ion: 59 Resp: 132
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



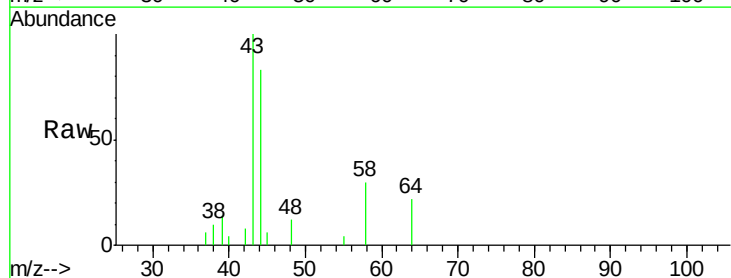
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



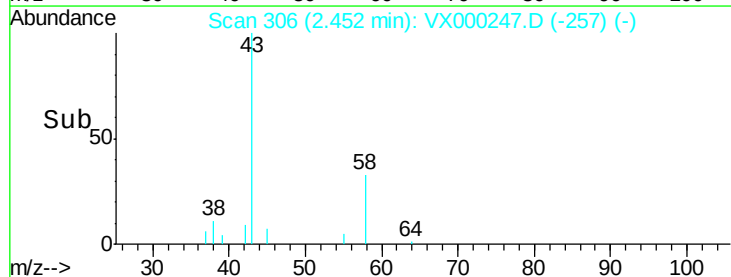
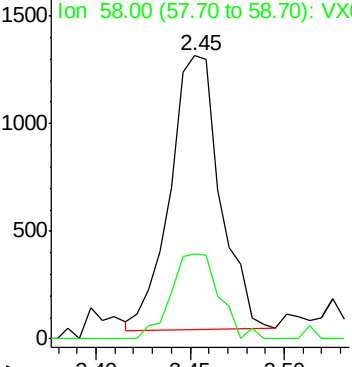
#16

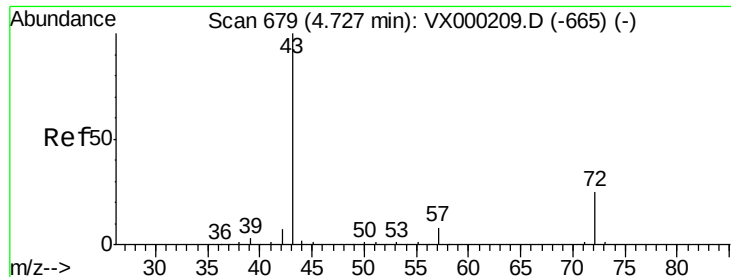
Acetone
 Concen: 2.70 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX000247.D
 Acq: 09 Mar 2018 02:56

Tgt Ion: 43 Resp: 2351
 Ion Ratio Lower Upper
 43 100
 58 31.3 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.31 ug/l

RT: 4.73 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

Instrument :

MSVOA_X

ClientSampled :

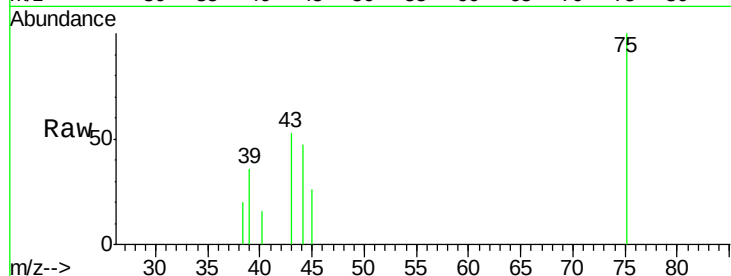
MHB-WCA

Tot Ion: 43 Resp: 337

Ion Ratio Lower Upper

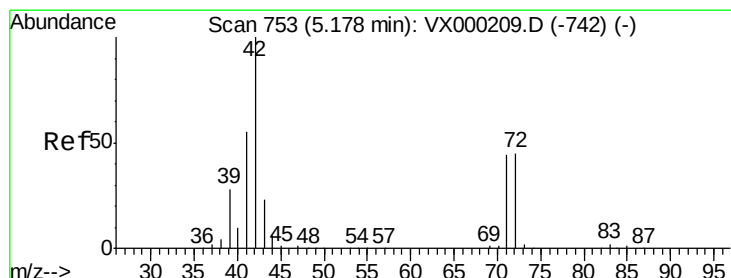
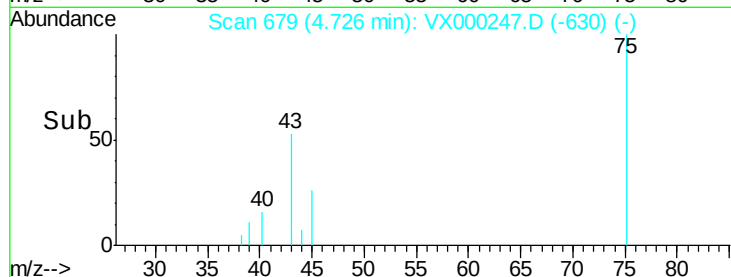
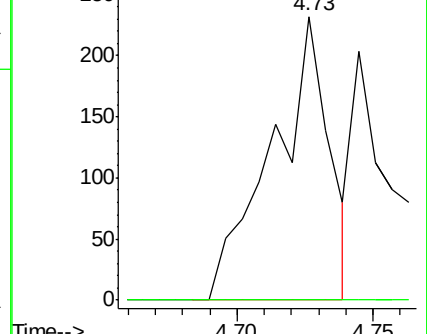
43 100

72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.28 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

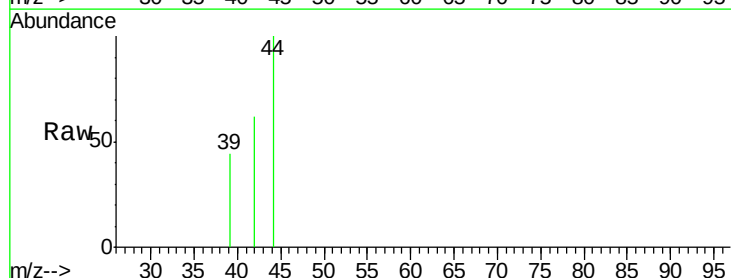
Tgt Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

72 0.0 37.3 55.9#

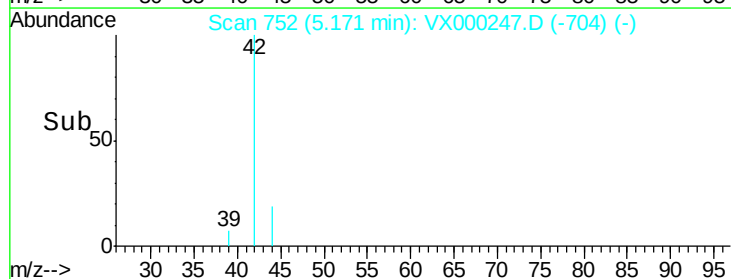
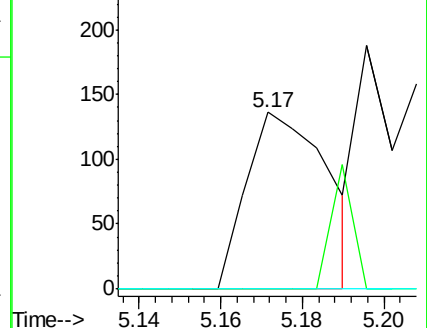
71 0.0 35.0 52.4#

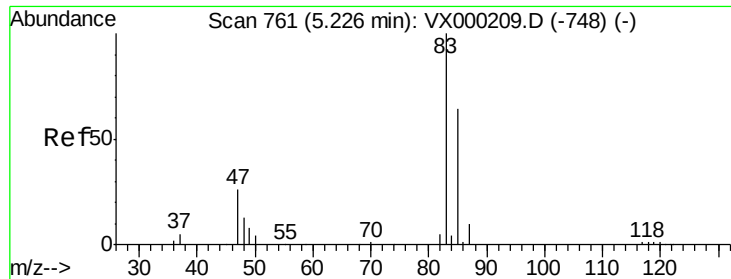


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#30

Chloroform

Concen: 0.21 ug/l

RT: 5.24 min Scan# 763

Delta R.T. 0.01 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

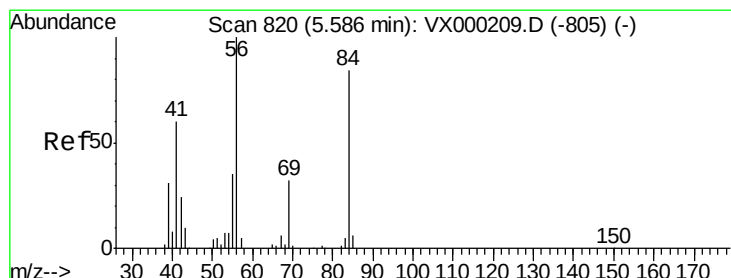
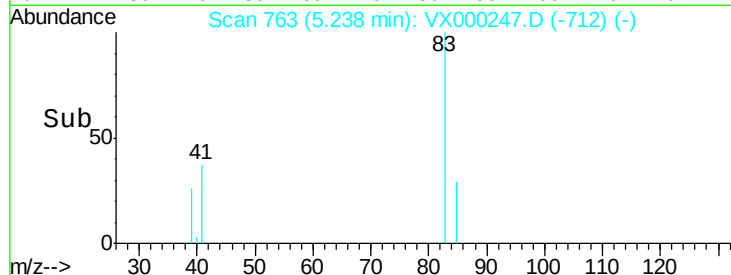
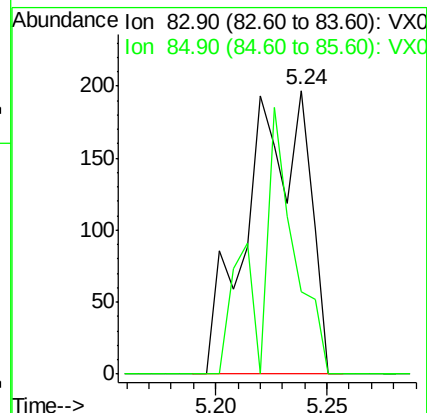
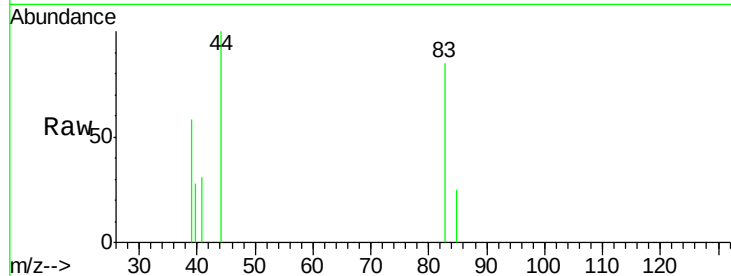
MHB-WCA

Tot Ion: 83 Resp: 366

Ion Ratio Lower Upper

83 100

85 28.9 51.0 76.6#



#31

Cyclohexane

Concen: 1.74 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

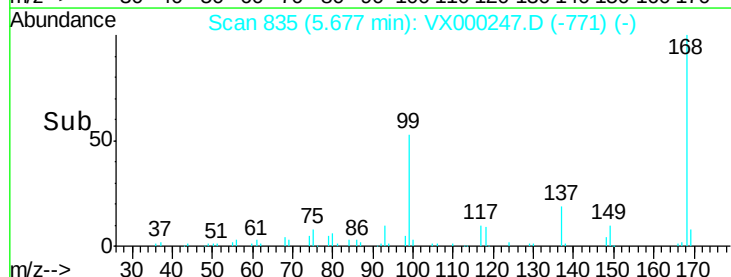
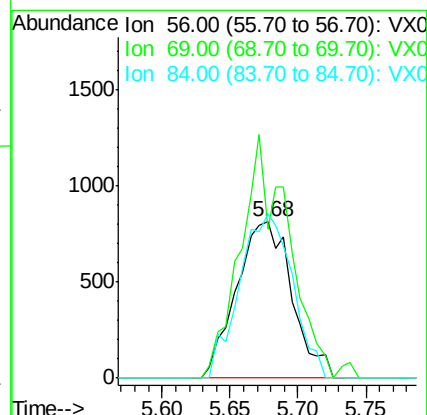
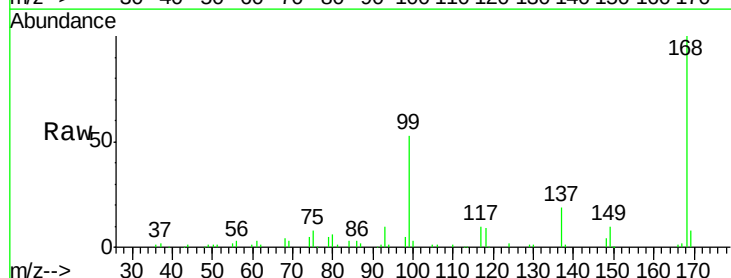
Tgt Ion: 56 Resp: 2308

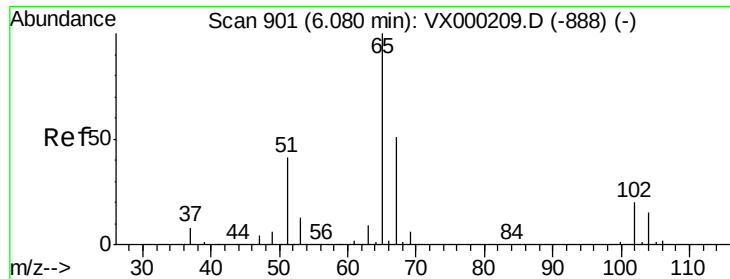
Ion Ratio Lower Upper

56 100

69 95.7 25.3 37.9#

84 105.7 67.2 100.8#

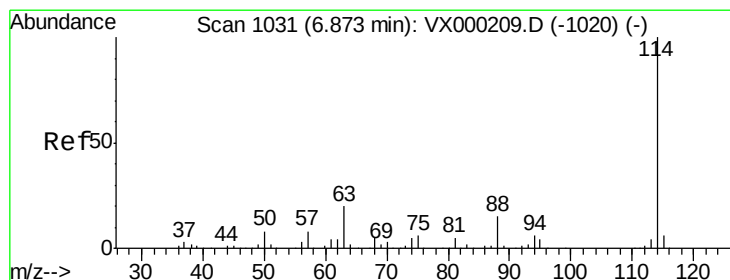
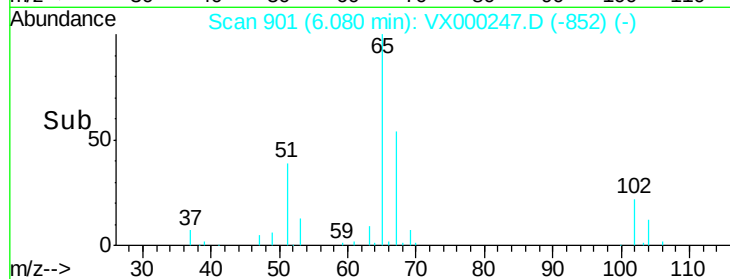
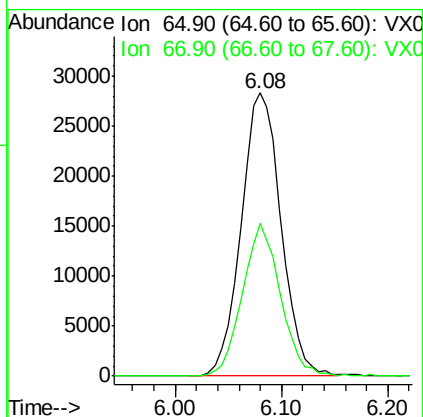
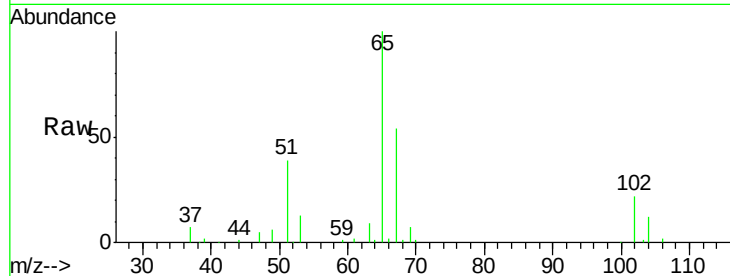




#33
 1,2-Dichloroethane-d4
 Concen: 61.37 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000247.D
 Acq: 09 Mar 2018 02:56

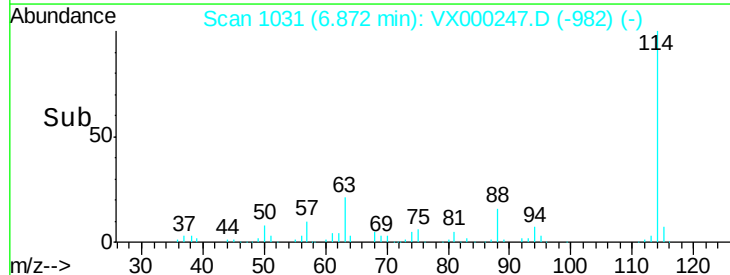
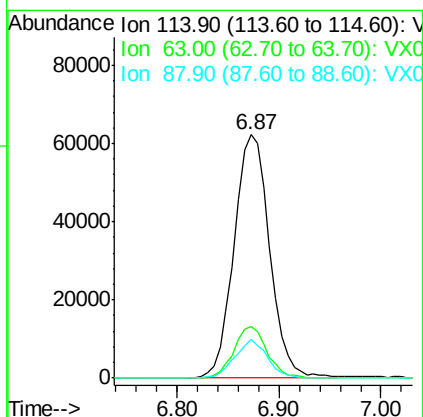
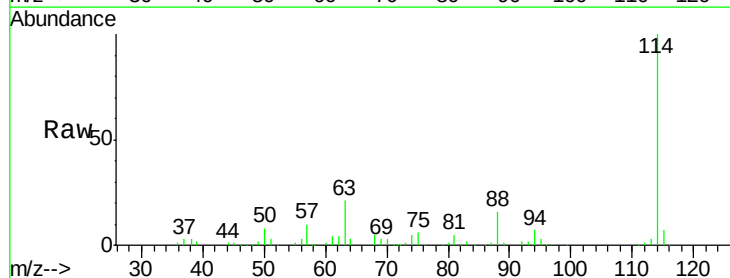
Instrument :
 MSVOA_X
 ClientSampleId :
 MHB-WCA

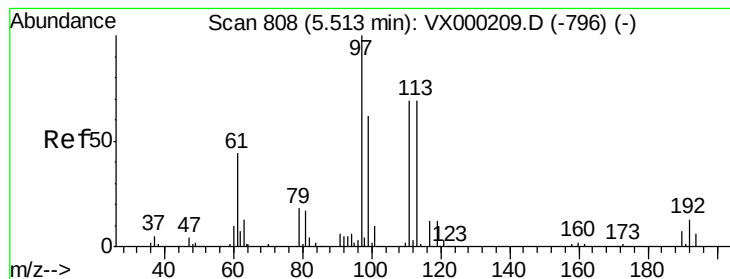
Tot Ion: 65 Resp: 74292
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000247.D
 Acq: 09 Mar 2018 02:56

Tgt Ion: 114 Resp: 150621
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.2
 88 15.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 57.91 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

Instrument :

MSVOA_X

ClientSampled :

MHB-WCA

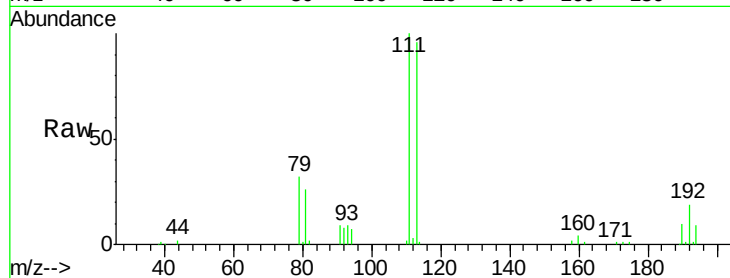
Tot Ion:113 Resp: 54789

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.6

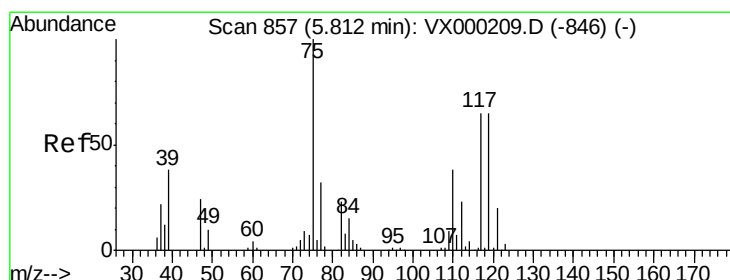
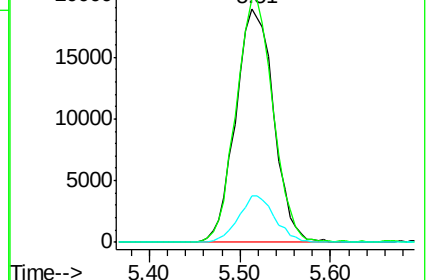
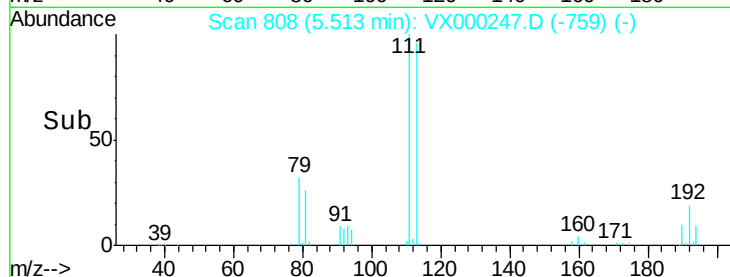
192 19.2 15.5 23.3



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: 5.23 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

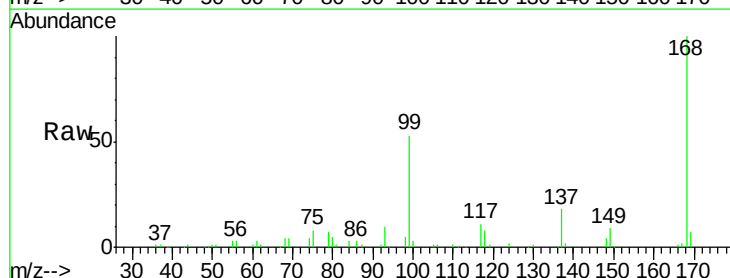
Tgt Ion: 75 Resp: 7006

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.5#

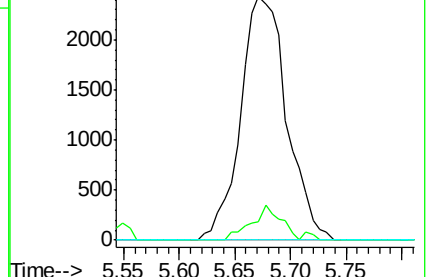
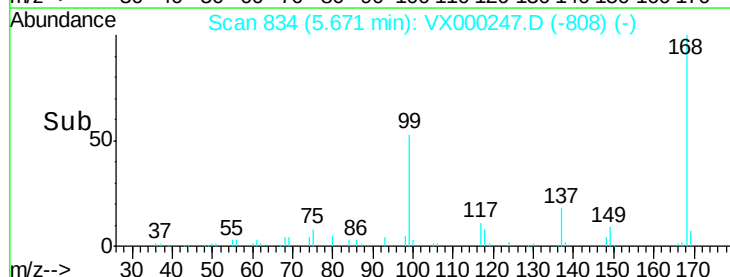
77 0.0 24.9 37.3#

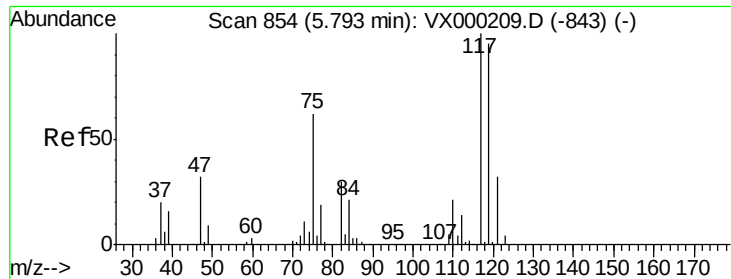


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.50 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MHB-WCA

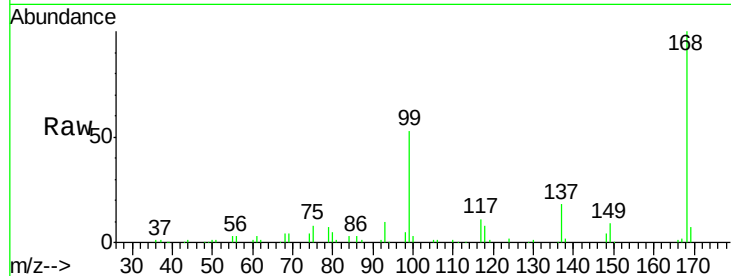
Tot Ion:117 Resp: 8813

Ion Ratio Lower Upper

117 100

119 8.5 75.9 113.9#

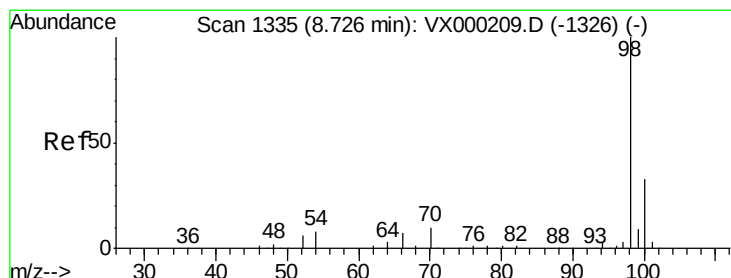
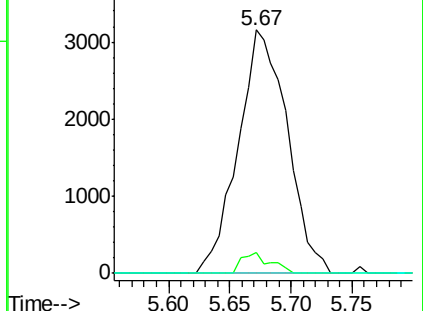
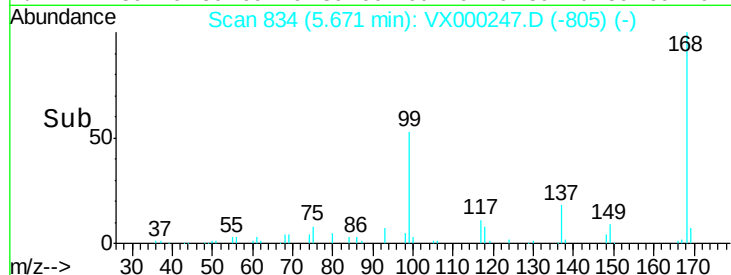
121 0.0 25.8 38.6#



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: 55.01 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000247.D

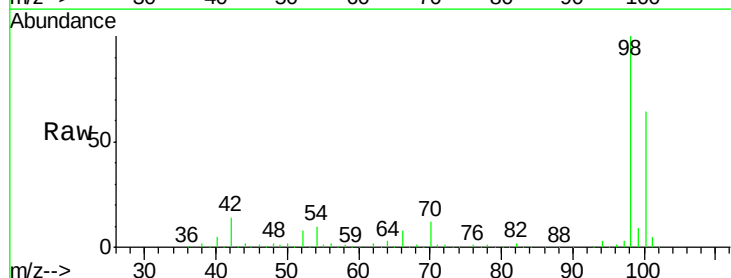
Acq: 09 Mar 2018 02:56

Tgt Ion: 98 Resp: 215560

Ion Ratio Lower Upper

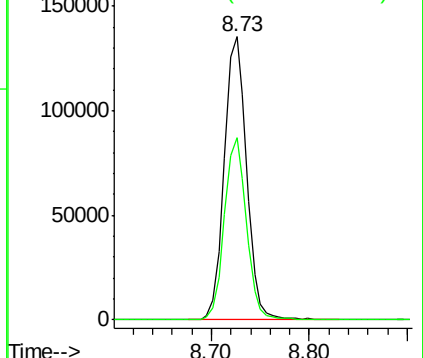
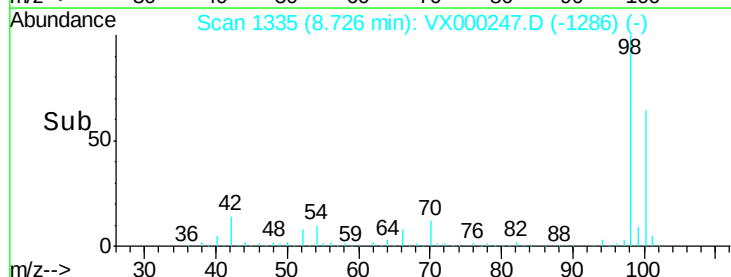
98 100

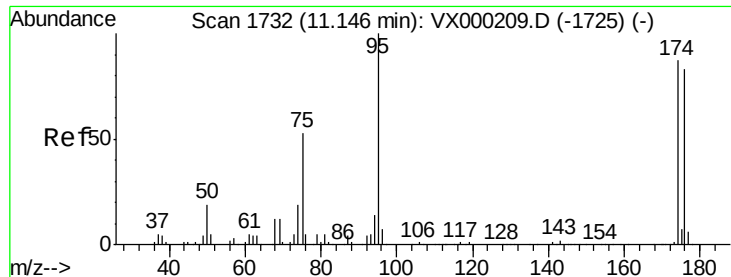
100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.28 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MHB-WCA

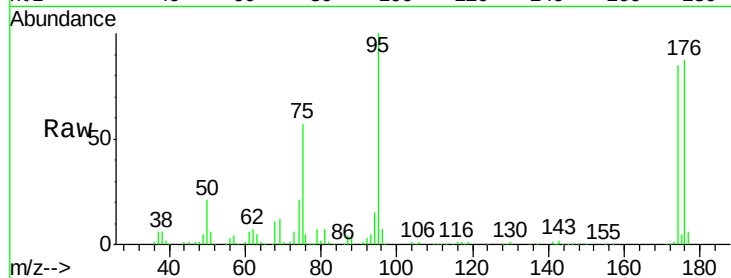
Tot Ion: 95 Resp: 76895

Ion Ratio Lower Upper

95 100

174 86.5 0.0 175.6

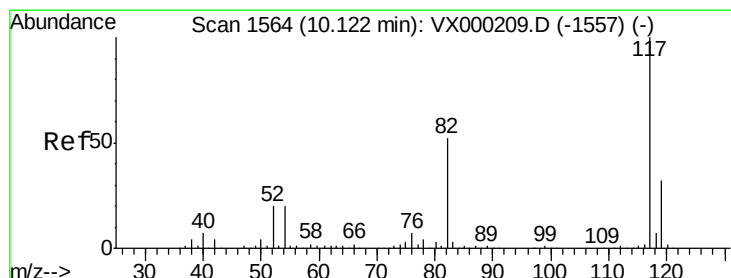
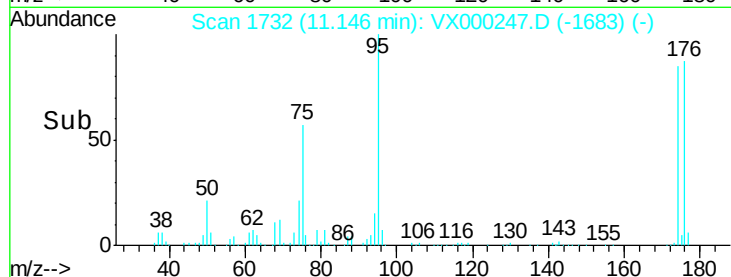
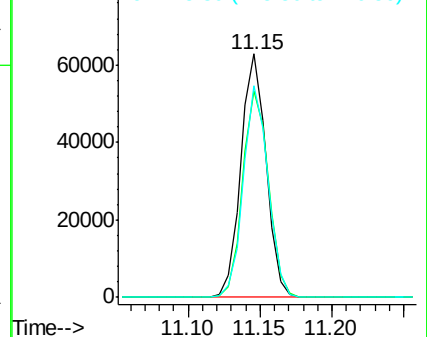
176 85.0 0.0 171.0



Abundance Ion 94.90 (94.60 to 95.60): VX000247.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000247.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000247.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

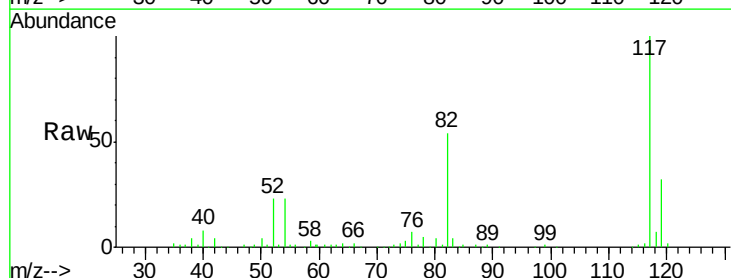
Tgt Ion: 117 Resp: 151173

Ion Ratio Lower Upper

117 100

82 53.6 42.0 63.0

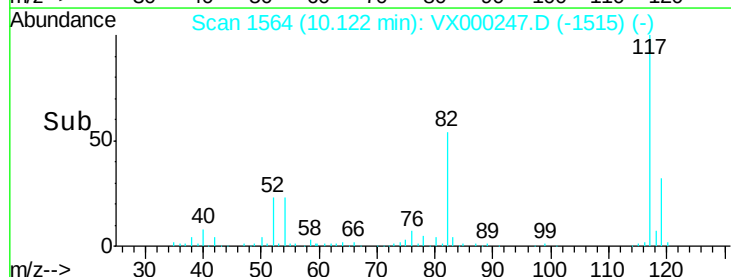
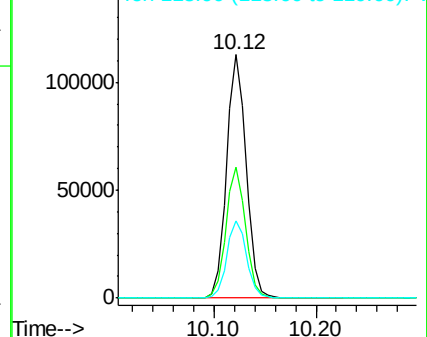
119 32.0 25.3 37.9

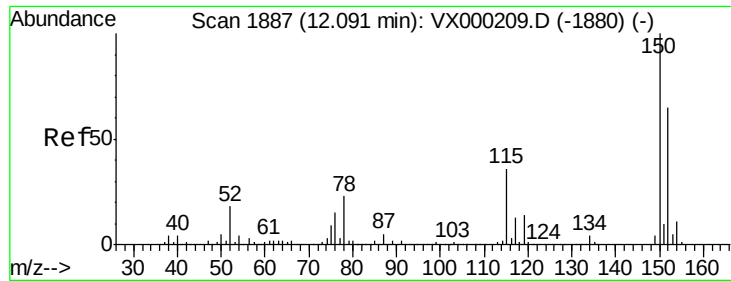


Abundance Ion 116.90 (116.60 to 117.60): VX000247.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000247.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000247.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000247.D

Acq: 09 Mar 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MHB-WCA

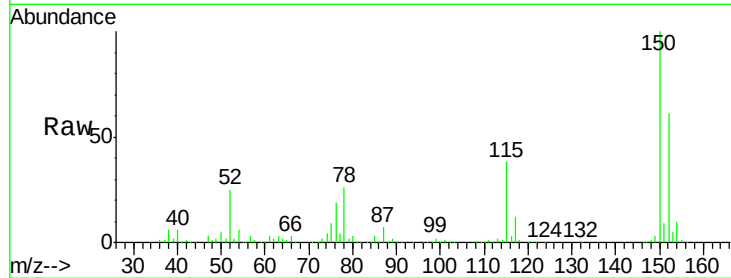
Tot Ion:152 Resp: 79818

Ion Ratio Lower Upper

152 100

115 57.7 39.8 119.3

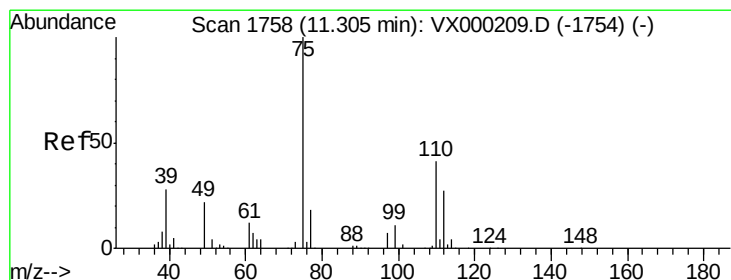
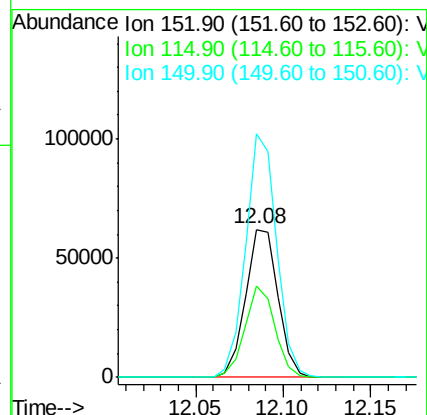
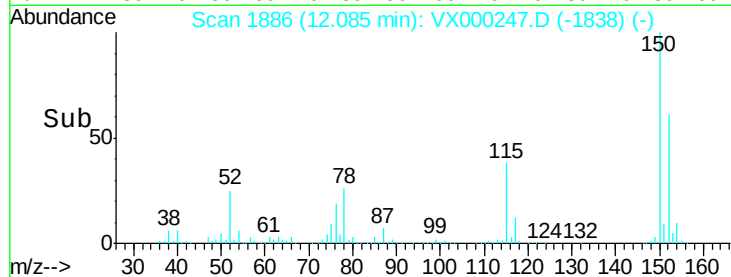
150 157.2 0.0 345.0



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: 27.37 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000247.D

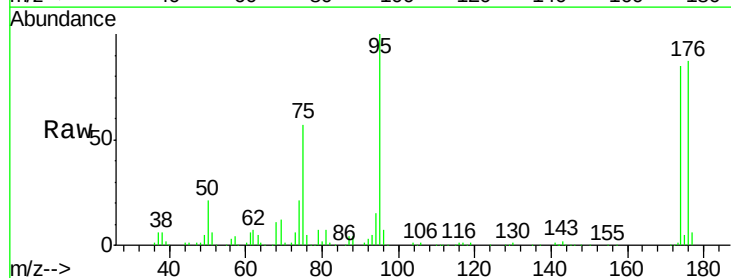
Acq: 09 Mar 2018 02:56

Tgt Ion: 75 Resp: 43798

Ion Ratio Lower Upper

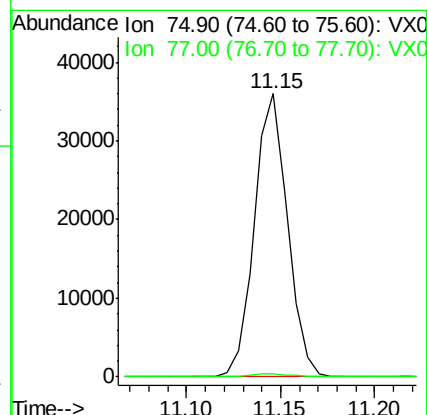
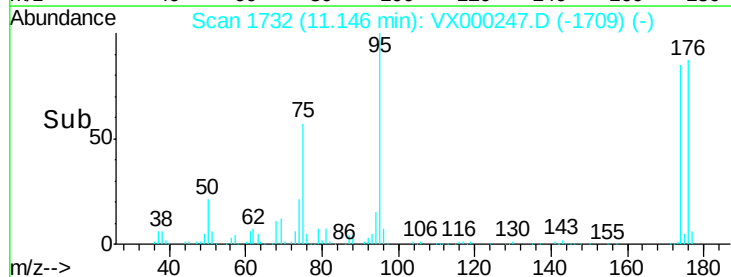
75 100

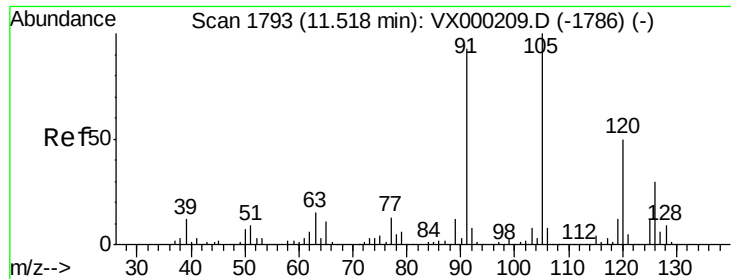
77 1.3 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

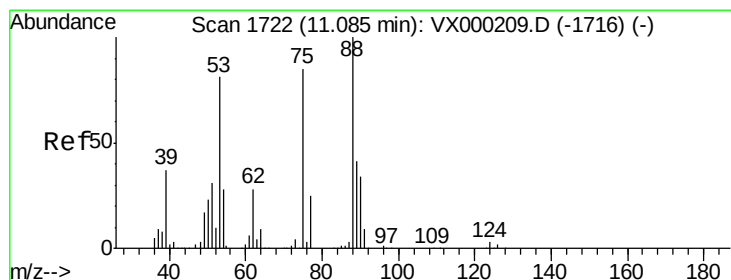
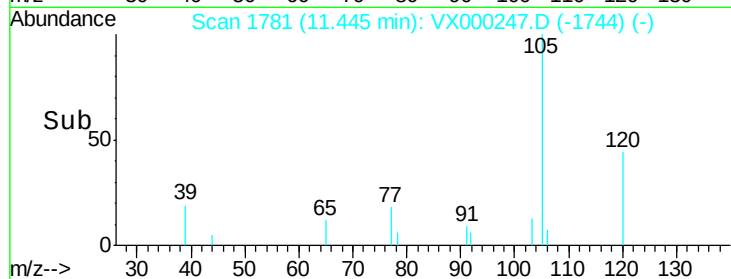
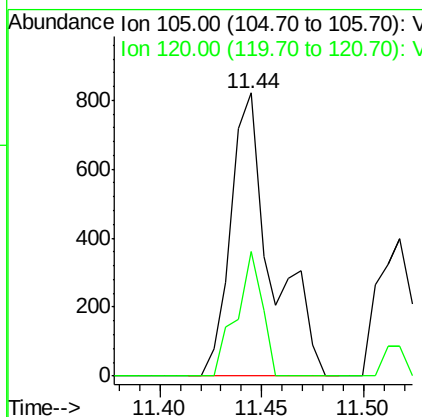
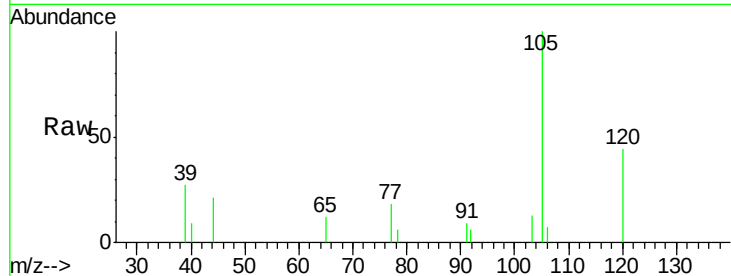




#80
 1,3,5-Trimethylbenzene
 Concen: 0.27 ug/l
 RT: 11.44 min Scan# 1781
 Delta R.T. -0.07 min
 Lab File: VX000247.D
 Acq: 09 Mar 2018 02:56

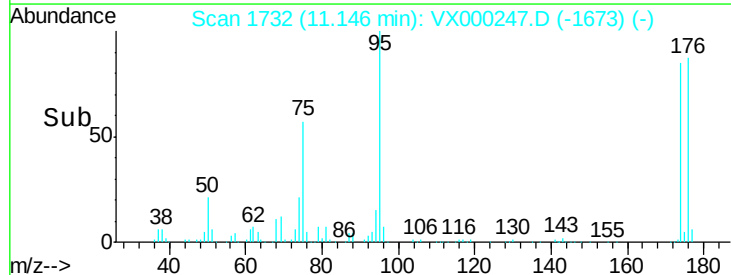
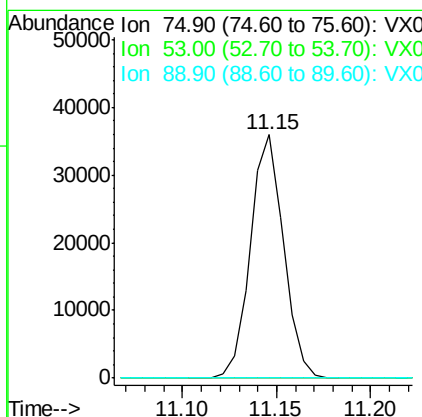
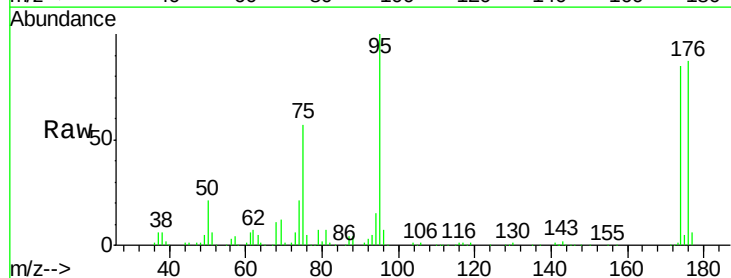
Instrument :
 MSVOA_X
 ClientSampleId :
 MHB-WCA

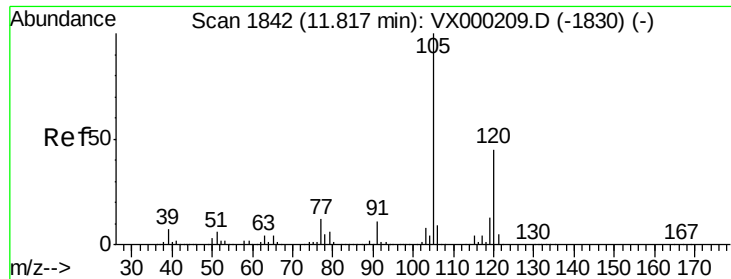
Tot Ion:105 Resp: 1143
 Ion Ratio Lower Upper
 105 100
 120 27.4 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.82 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000247.D
 Acq: 09 Mar 2018 02:56

Tgt Ion: 75 Resp: 43798
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 118.0#
 89 0.0 38.8 58.2#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.36 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000247.D
 Acq: 09 Mar 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MHB-WCA

Tot Ion:105 Resp: 1525
 Ion Ratio Lower Upper
 105 100
 120 57.4 23.0 69.0

