

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX113018\
 Data File : VX006237.D
 Acq On : 30 Nov 2018 18:16
 Operator : JC/MD
 Sample : J6153-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-J

Quant Time: Nov 30 22:21:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	910661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1367861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1238580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	605888	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	452244	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
35) Dibromofluoromethane	5.50	113	435551	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	8.71	98	1585145	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.13	95	589289	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	

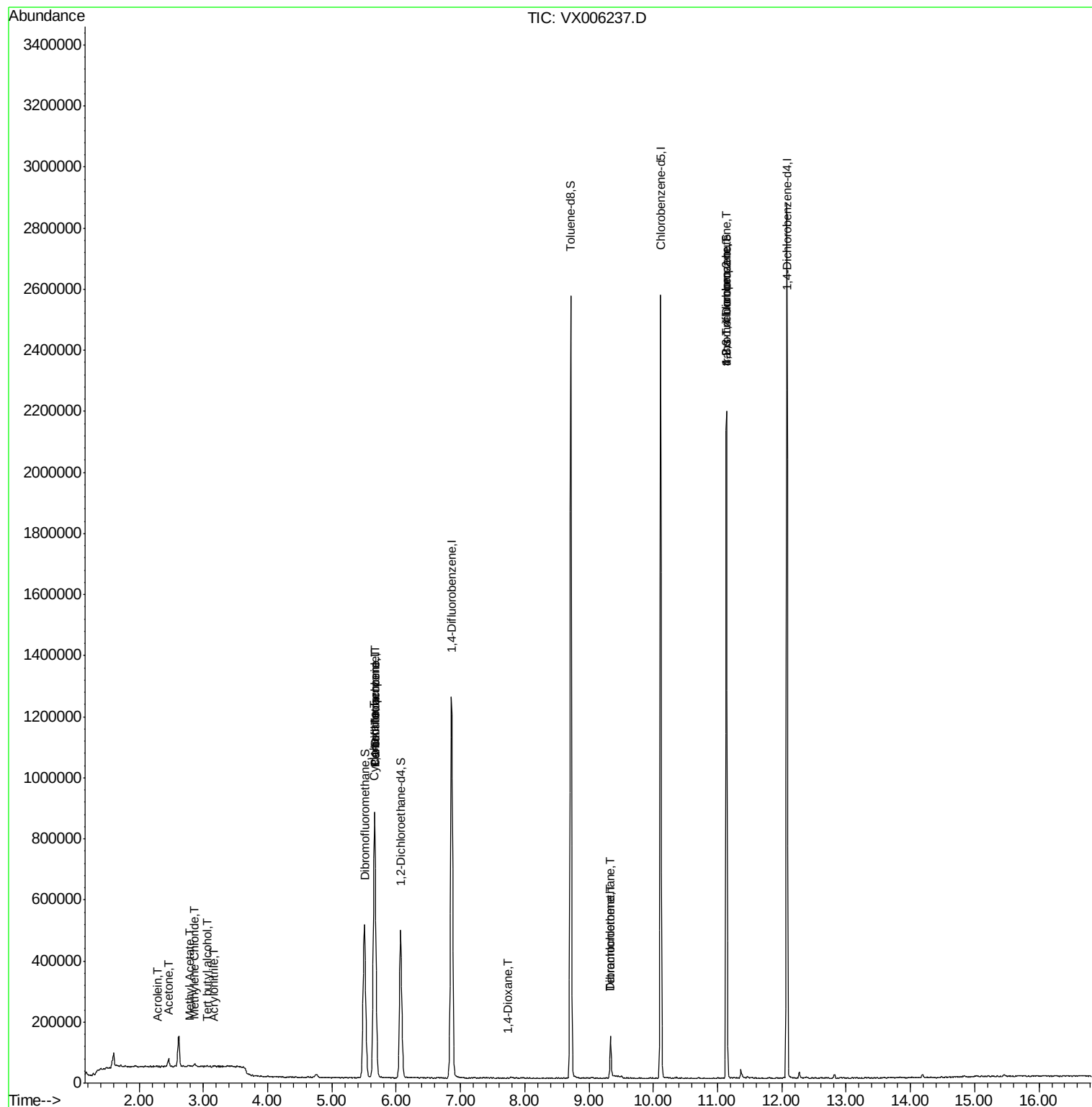
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	3343	1.315	ug/l #	72
13) Acrolein	2.28	56	430	0.309	ug/l #	1
15) Acrylonitrile	3.16	53	1410	0.266	ug/l #	70
16) Acetone	2.45	43	8009	1.836	ug/l	90
18) Methyl Acetate	2.78	43	5314	0.364	ug/l #	84
20) Methylene Chloride	2.86	84	4320	0.465	ug/l #	78
31) Cyclohexane	5.65	56	13655	1.017	ug/l #	7
36) 1,1-Dichloropropene	5.66	75	53924	4.681	ug/l #	48
38) Carbon Tetrachloride	5.66	117	80850	5.966	ug/l #	15
49) 1,4-Dioxane	7.74	88	98	0.380	ug/l #	1
60) Dibromochloromethane	9.33	129	18169	1.598	ug/l #	12
64) Tetrachloroethene	9.33	164	18553	1.989	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	269653	23.058	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	269653	54.110	ug/l #	15

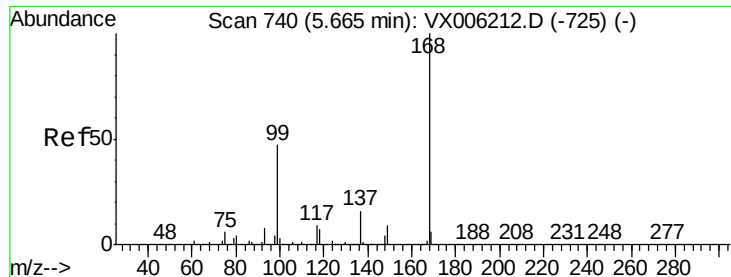
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

Instrument :

MSVOA_X

ClientSampled :

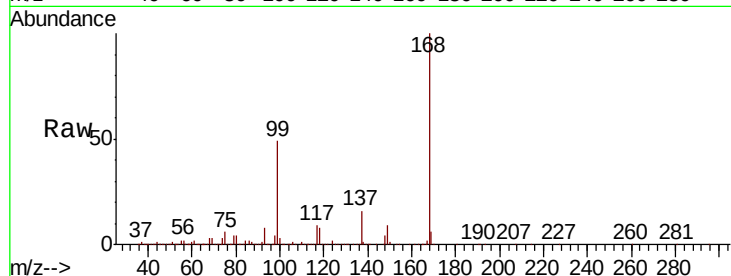
MH-J

Tot Ion:168 Resp: 910661

Ion Ratio Lower Upper

168 100

99 49.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): VX006237.D (-691) (-)

Ion 98.90 (98.60 to 99.60): VX006237.D (-691) (-)

5.66

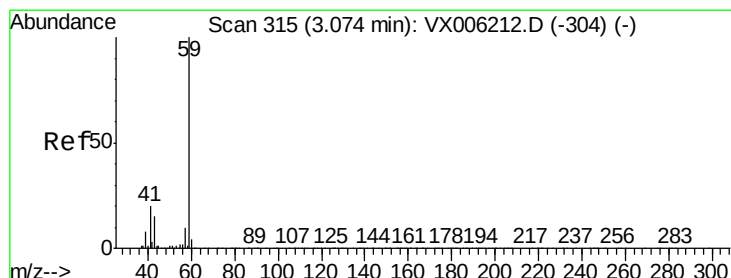
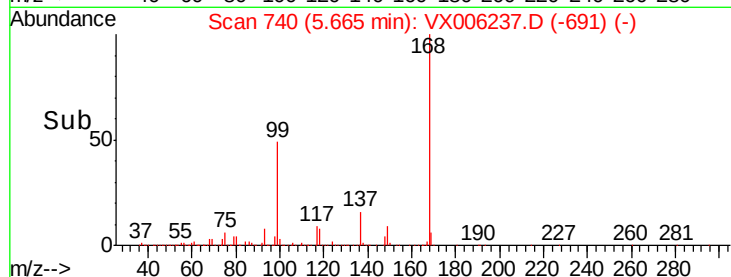
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.315 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX006237.D

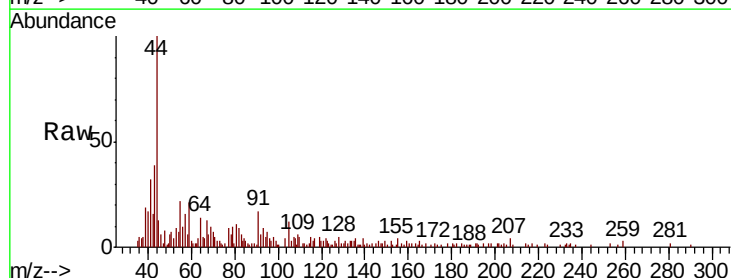
Acq: 30 Nov 2018 18:16

Tgt Ion: 59 Resp: 3343

Ion Ratio Lower Upper

59 100

57 20.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX006237.D (-266) (-)

Ion 57.00 (56.70 to 57.70): VX006237.D (-266) (-)

3.07

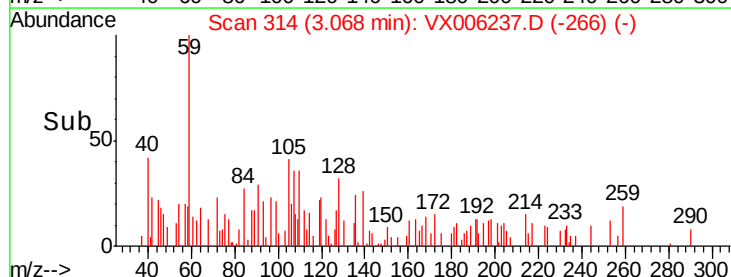
1500

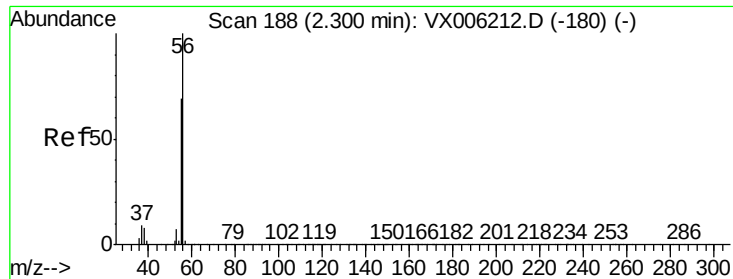
1000

500

0

Time-->





#13

Acrolein

Concen: 0.309 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.02 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

Instrument :

MSVOA_X

ClientSampled :

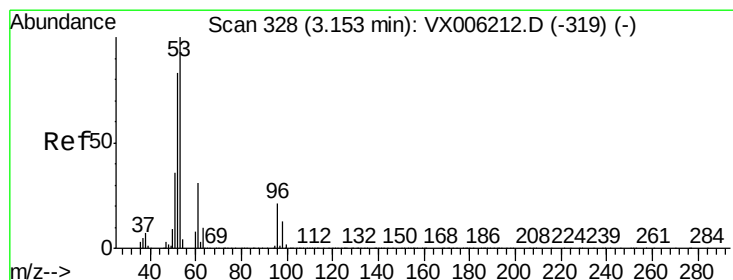
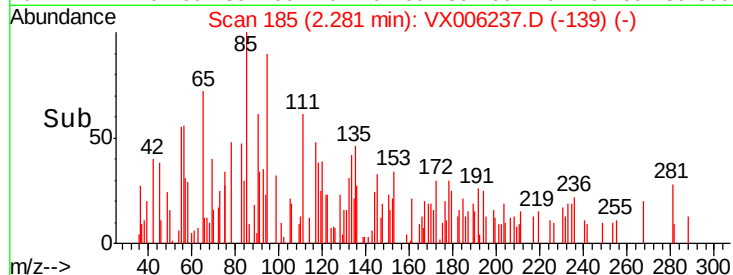
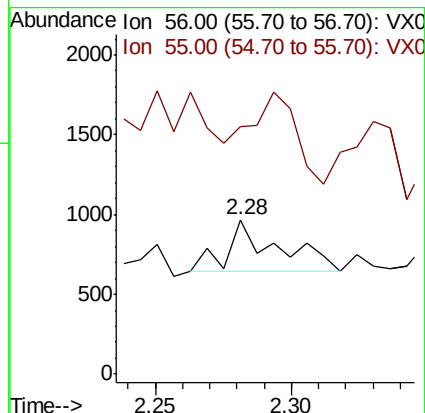
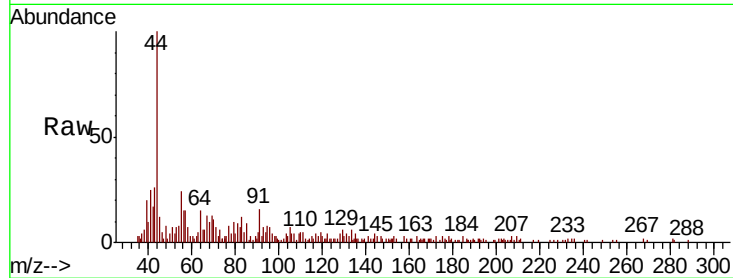
MH-J

Tot Ion: 56 Resp: 430

Ion Ratio Lower Upper

56 100

55 159.8 57.8 86.6#



#15

Acrylonitrile

Concen: 0.266 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

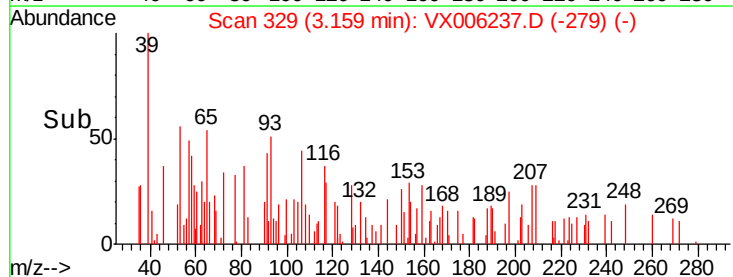
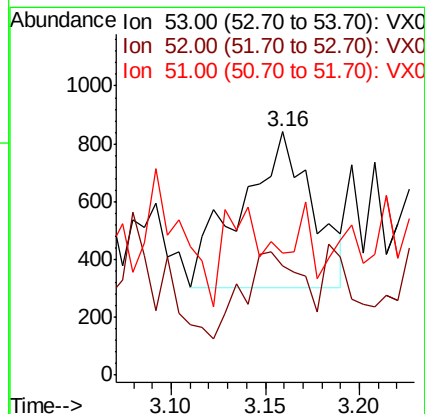
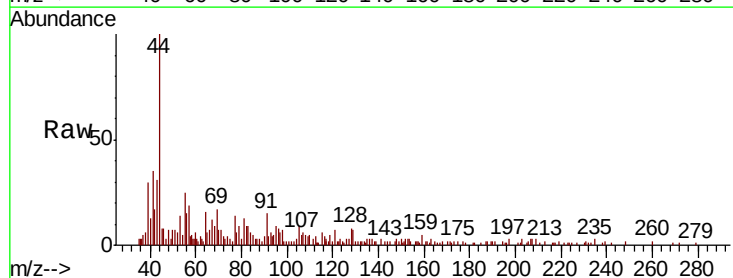
Tgt Ion: 53 Resp: 1410

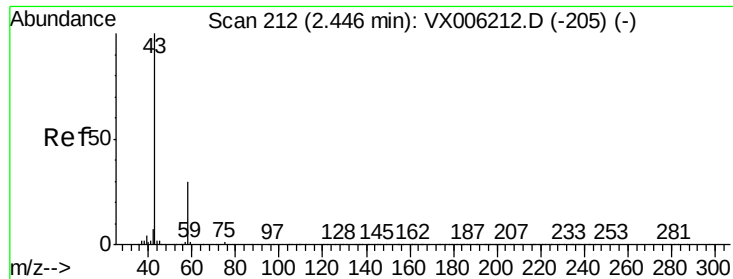
Ion Ratio Lower Upper

53 100

52 46.3 66.2 99.4#

51 39.8 28.7 43.1

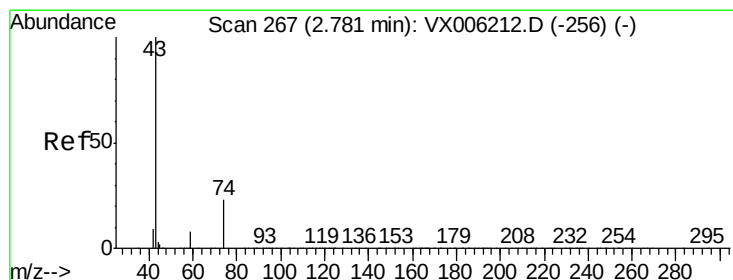
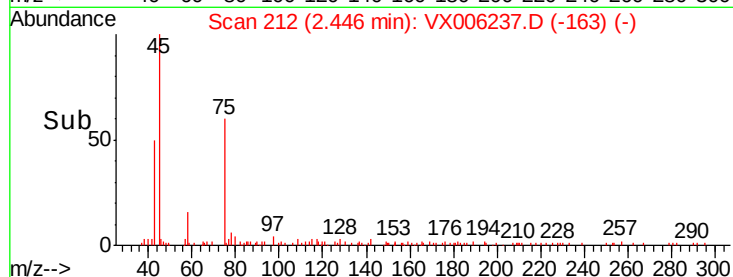
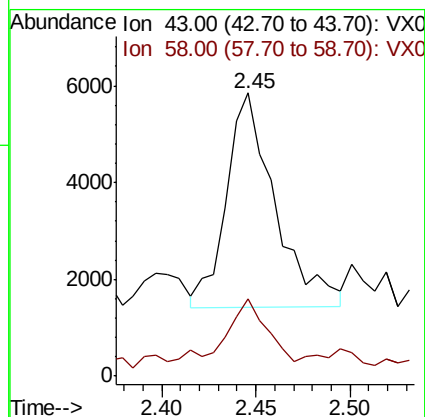
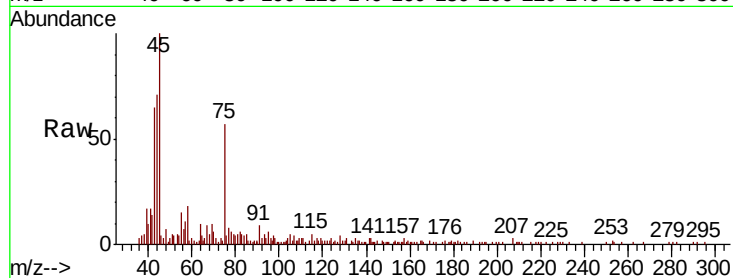




#16
Acetone
Concen: 1.836 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006237.D
Acq: 30 Nov 2018 18:16

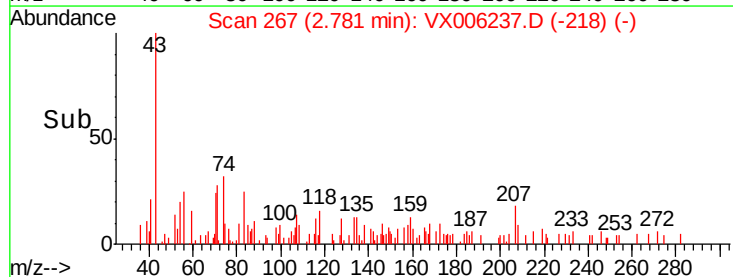
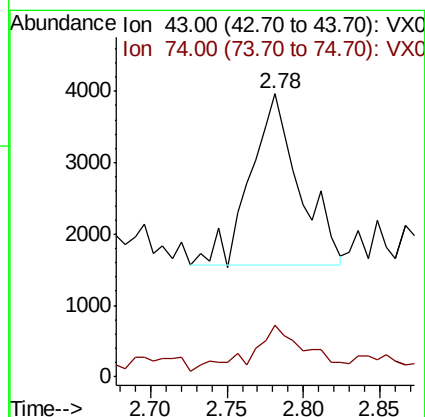
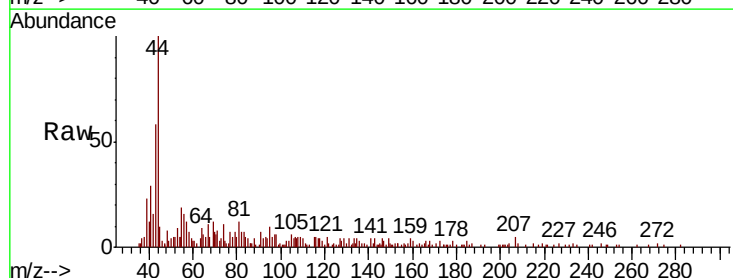
Instrument :
MSVOA_X
ClientSampleId :
MH-J

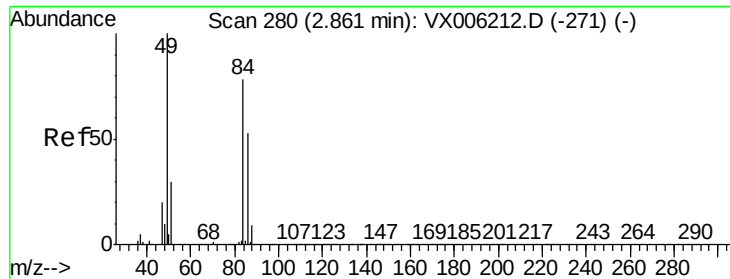
Tot Ion: 43 Resp: 8009
Ion Ratio Lower Upper
43 100
58 24.6 24.0 36.0



#18
Methyl Acetate
Concen: 0.364 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX006237.D
Acq: 30 Nov 2018 18:16

Tgt Ion: 43 Resp: 5314
Ion Ratio Lower Upper
43 100
74 30.0 17.9 26.9#

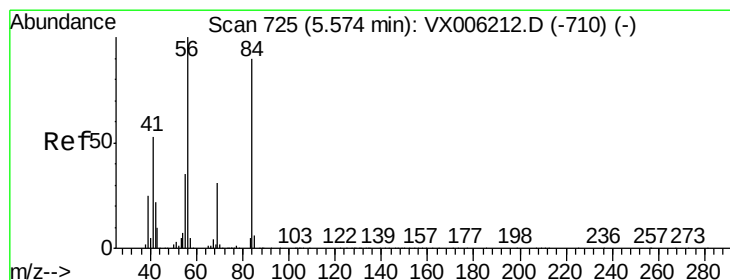
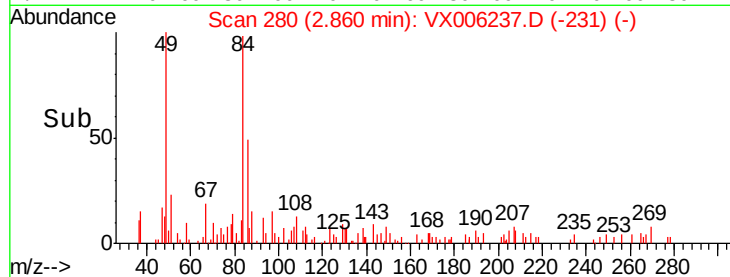
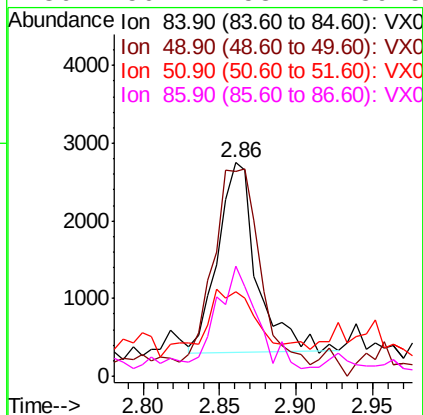
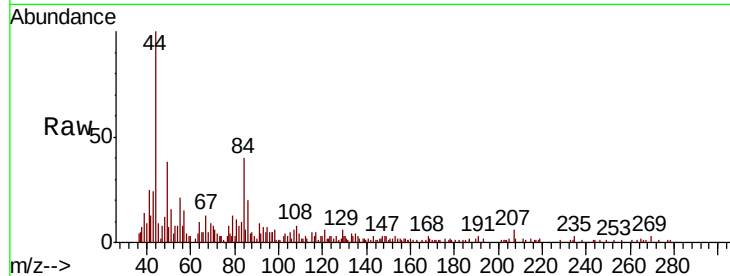




#20
Methylene Chloride
Concen: 0.465 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006237.D
Acq: 30 Nov 2018 18:16

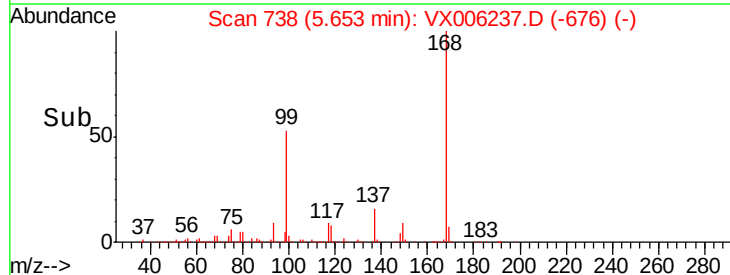
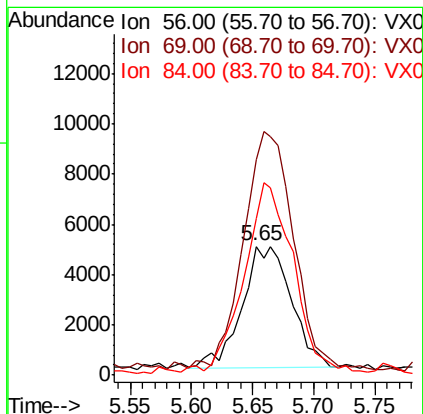
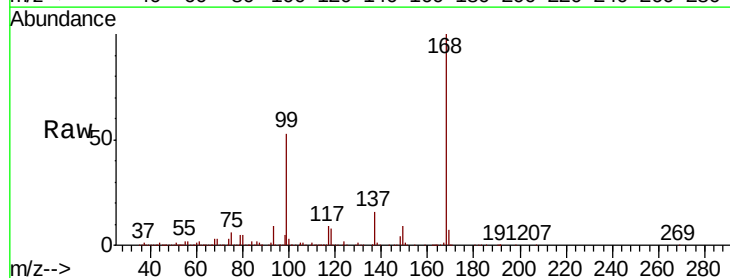
Instrument :
MSVOA_X
ClientSampleId :
MH-J

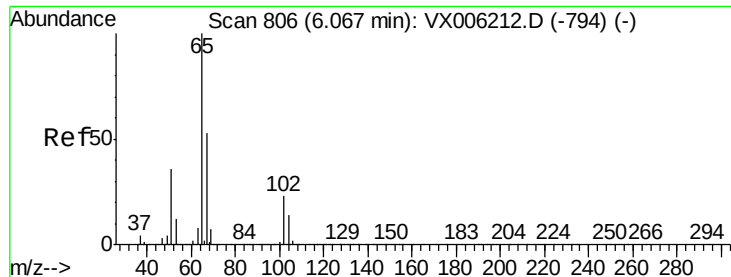
Tot Ion: 84 Resp: 4320
Ion Ratio Lower Upper
84 100
49 100.9 102.2 153.4#
51 27.0 31.1 46.7#
86 50.7 53.7 80.5#



#31
Cyclohexane
Concen: 1.017 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006237.D
Acq: 30 Nov 2018 18:16

Tgt Ion: 56 Resp: 13655
Ion Ratio Lower Upper
56 100
69 172.8 24.5 36.7#
84 123.4 71.8 107.6#

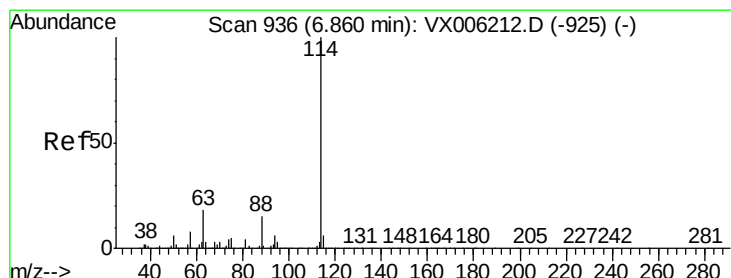
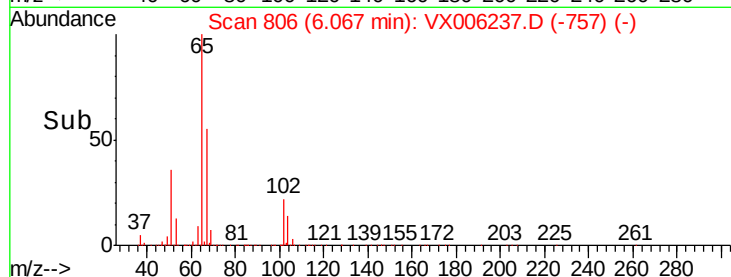
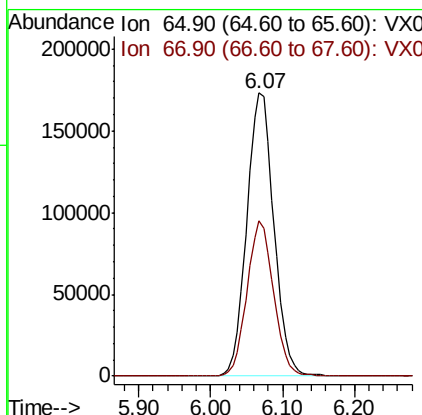
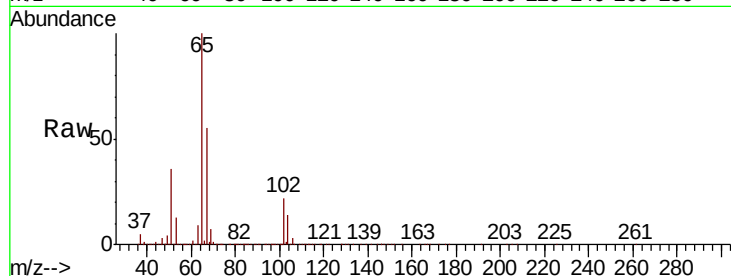




#33
 1,2-Dichloroethane-d4
 Concen: 48.647 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006237.D
 Acq: 30 Nov 2018 18:16

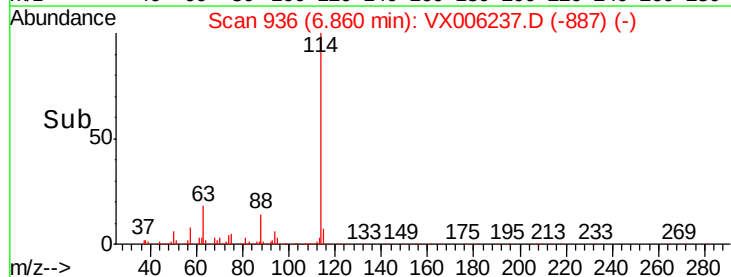
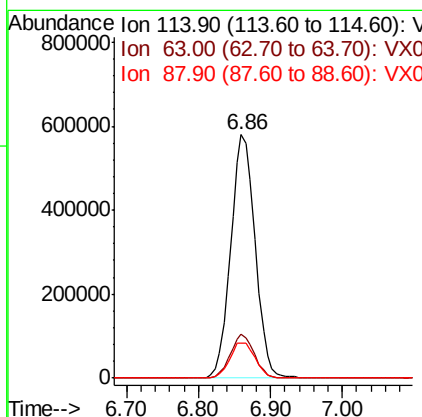
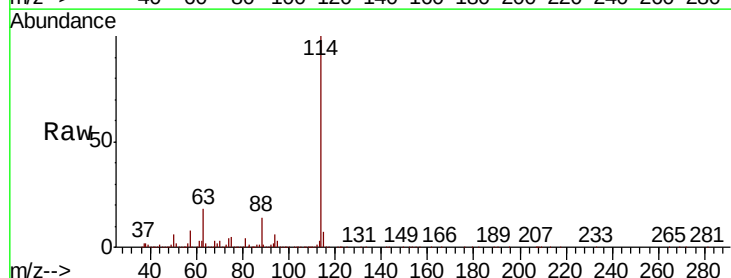
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-J

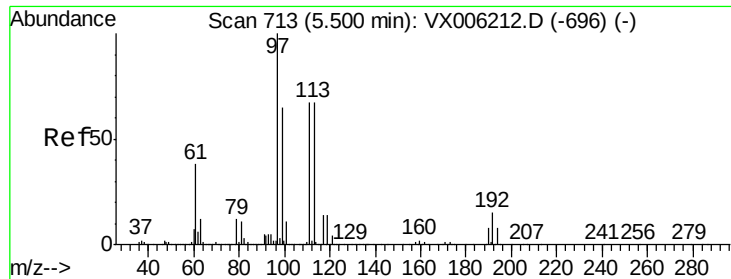
Tot Ion: 65 Resp: 452244
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006237.D
 Acq: 30 Nov 2018 18:16

Tgt Ion: 114 Resp: 1367861
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.6
 88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.179 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

MH-J

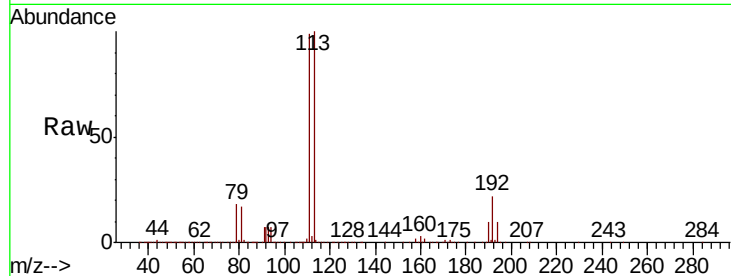
Tot Ion:113 Resp: 435551

Ion Ratio Lower Upper

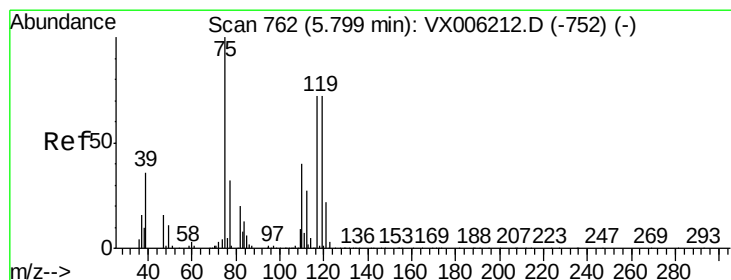
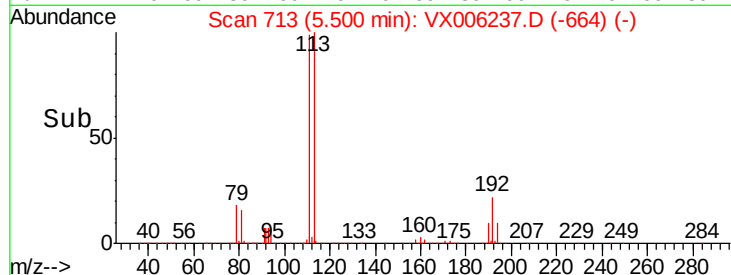
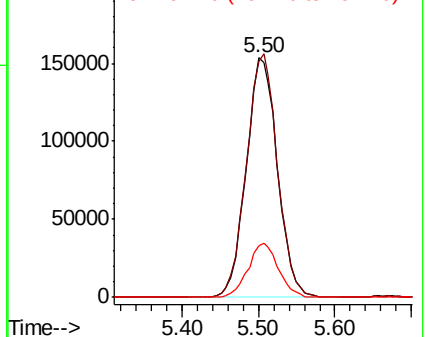
113 100

111 101.4 81.1 121.7

192 22.1 18.2 27.2



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: 4.681 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

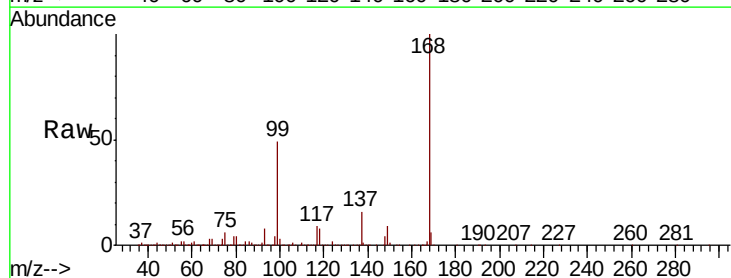
Tgt Ion: 75 Resp: 53924

Ion Ratio Lower Upper

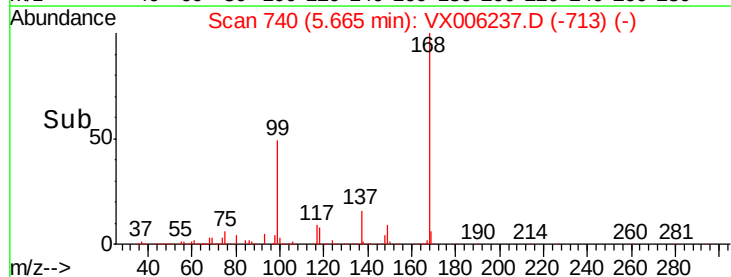
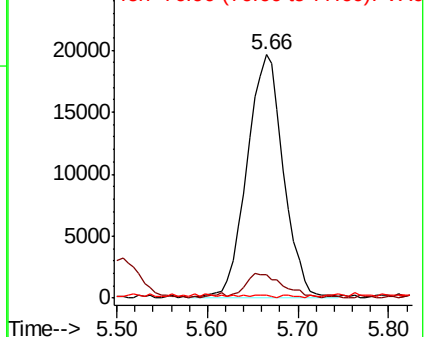
75 100

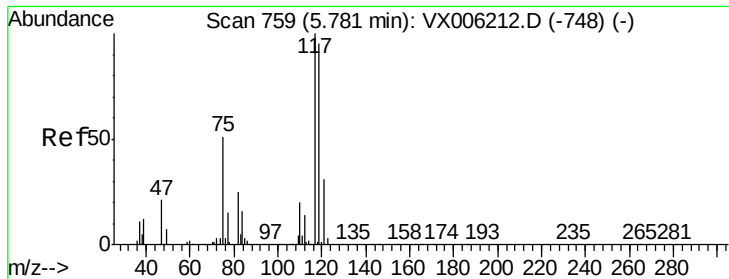
110 10.0 20.4 61.3#

77 0.7 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: 5.966 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

Instrument :

MSVOA_X

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MH-J

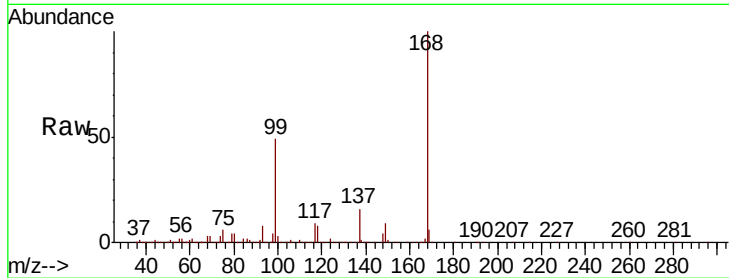
Tot Ion:117 Resp: 80850

Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.8#

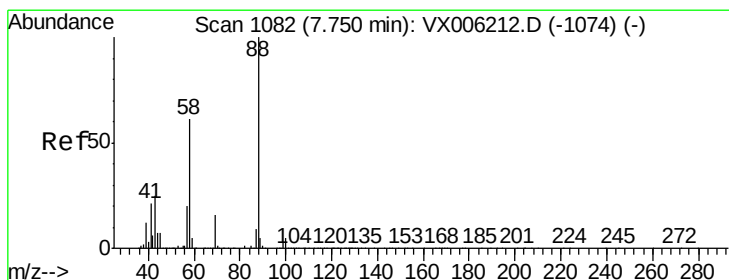
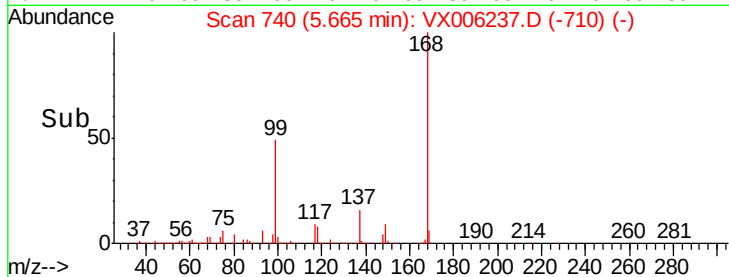
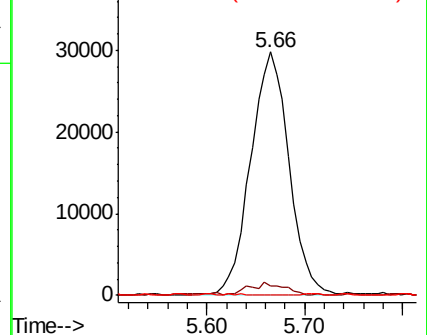
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 0.380 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

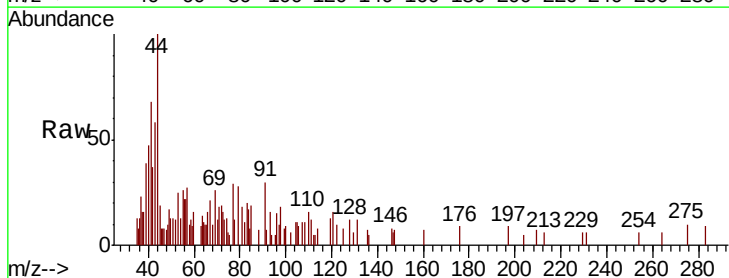
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

43 551.0 23.2 34.8#

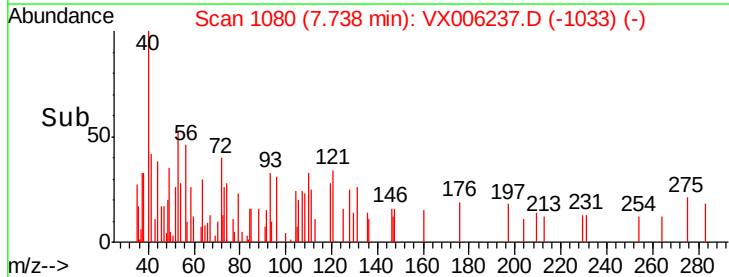
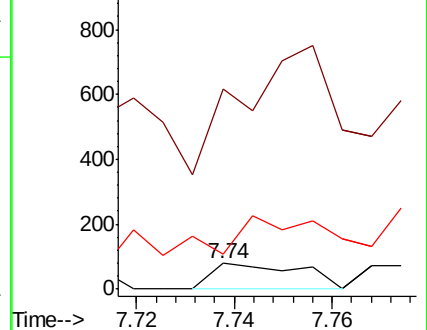
58 136.7 51.4 77.0#

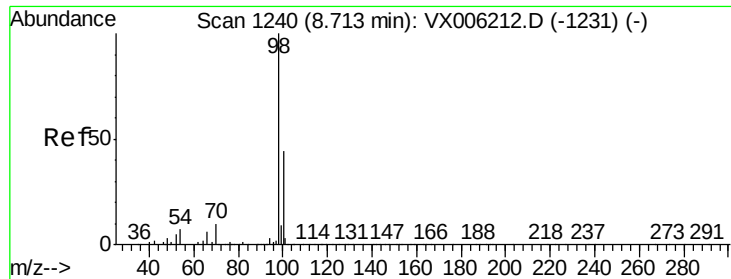


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.206 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

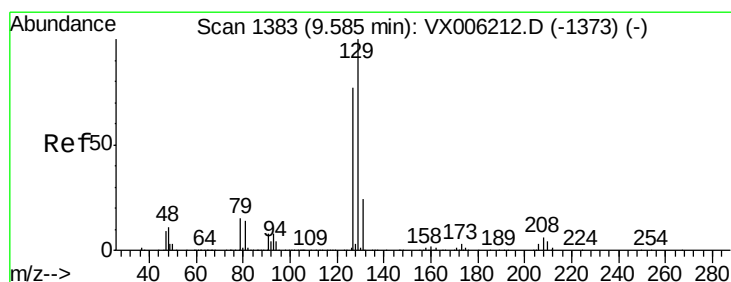
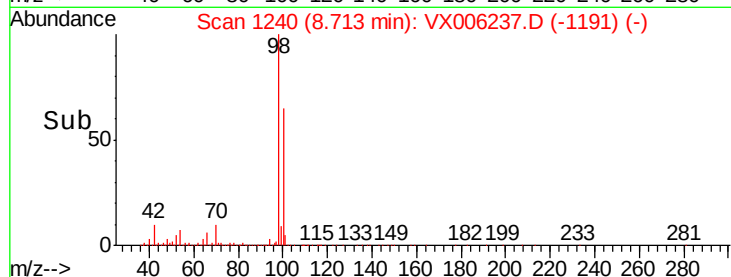
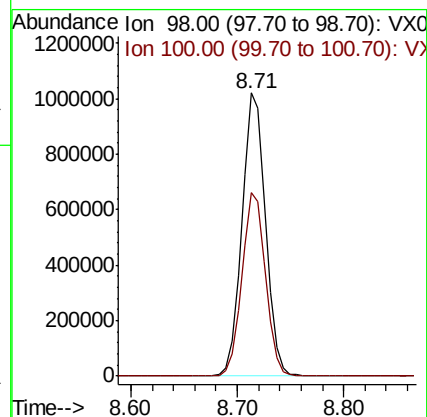
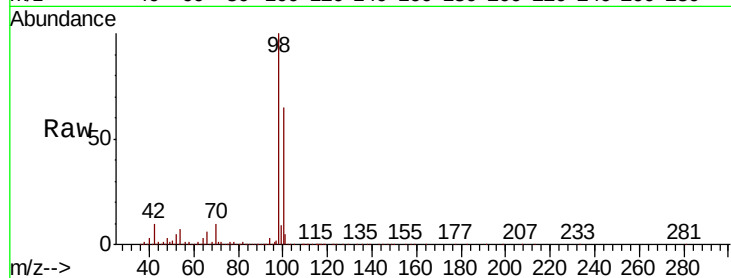
MH-J

Tot Ion: 98 Resp: 1585145

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#60

Dibromochloromethane

Concen: 1.598 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006237.D

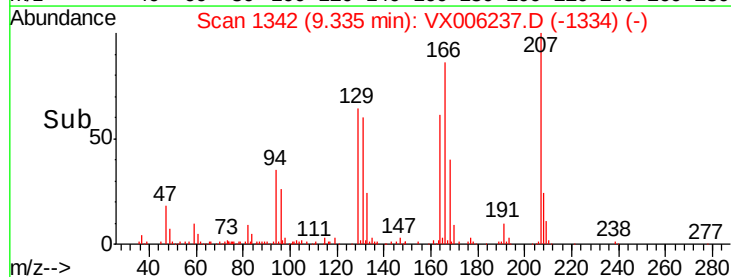
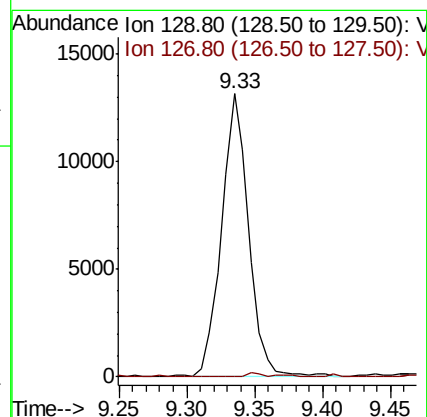
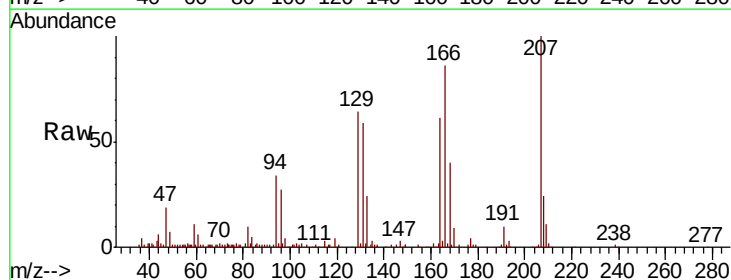
Acq: 30 Nov 2018 18:16

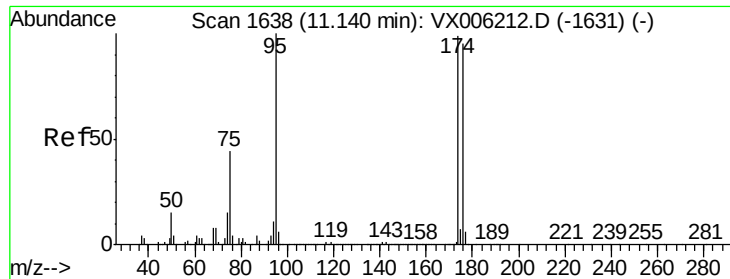
Tgt Ion: 129 Resp: 18169

Ion Ratio Lower Upper

129 100

127 0.8 38.6 115.8#

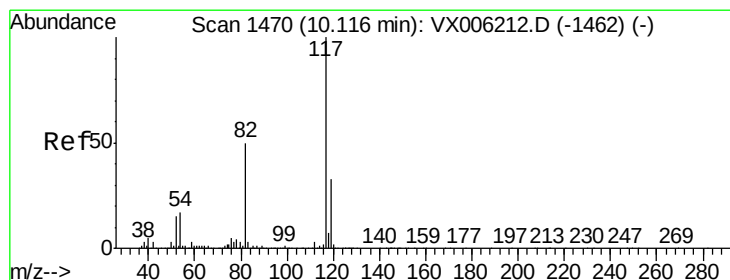
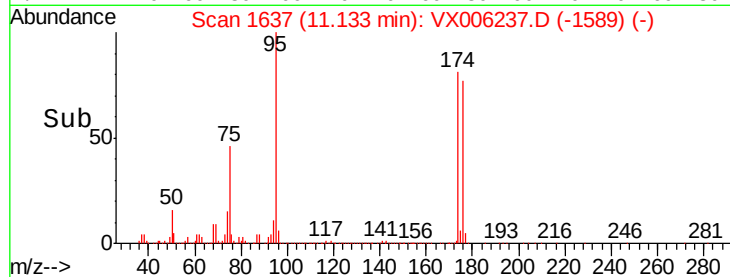
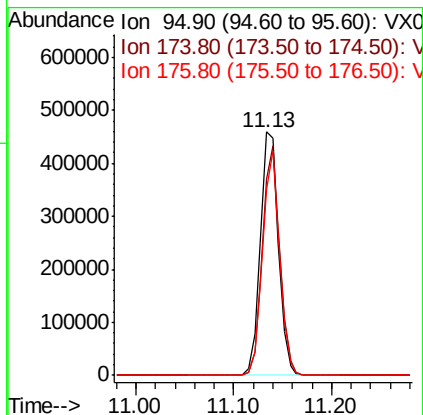
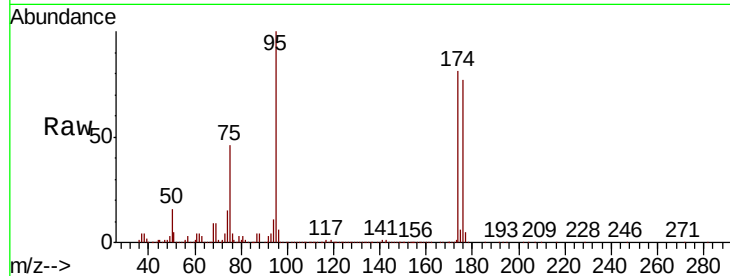




#62
4-Bromofluorobenzene
Concen: 48.544 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006237.D
Acq: 30 Nov 2018 18:16

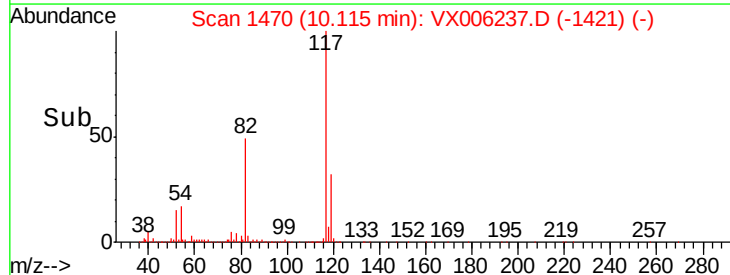
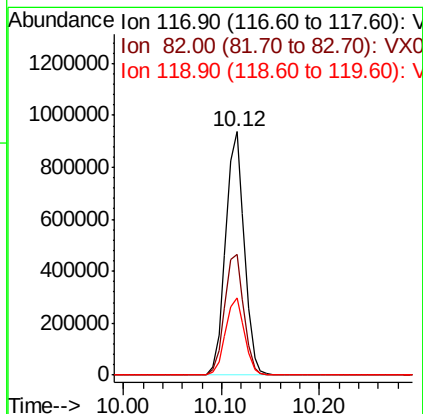
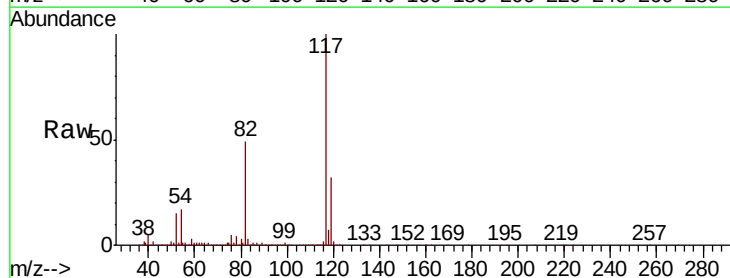
Instrument :
MSVOA_X
ClientSampleId :
MH-J

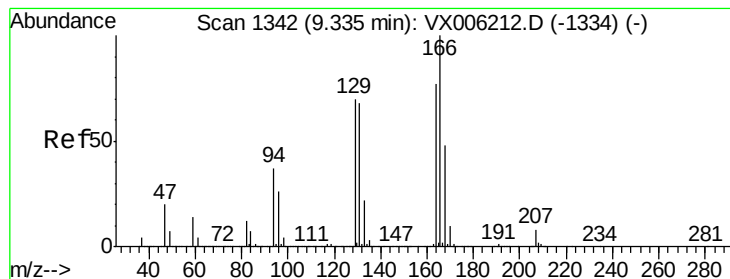
Tot Ion: 95 Resp: 589289
Ion Ratio Lower Upper
95 100
174 90.1 0.0 187.0
176 87.0 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006237.D
Acq: 30 Nov 2018 18:16

Tgt Ion: 117 Resp: 1238580
Ion Ratio Lower Upper
117 100
82 49.3 39.6 59.4
119 31.9 26.3 39.5





#64

Tetrachloroethene

Concen: 1.989 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

MH-J

Tot Ion:164 Resp: 18553

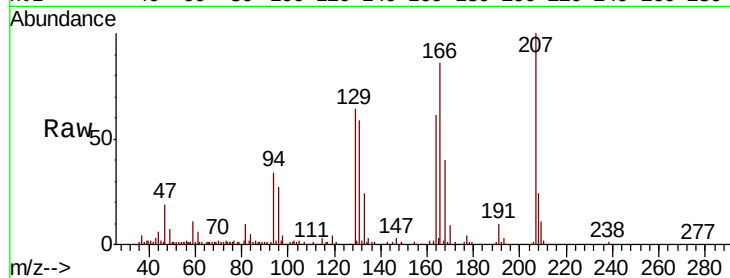
Ion Ratio Lower Upper

164 100

166 139.7 104.2 156.2

129 103.7 72.6 108.8

131 96.4 70.3 105.5

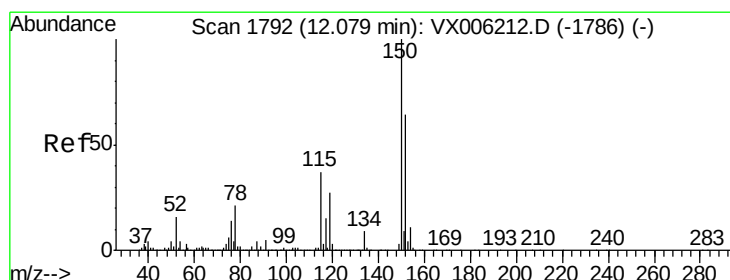
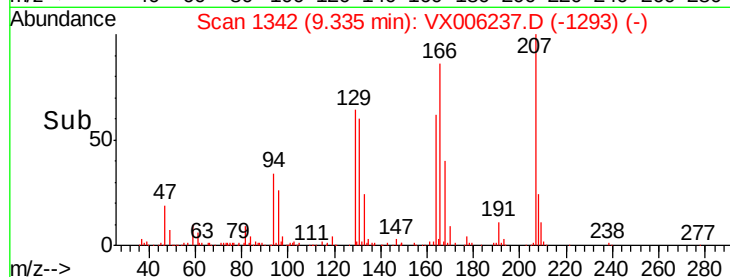
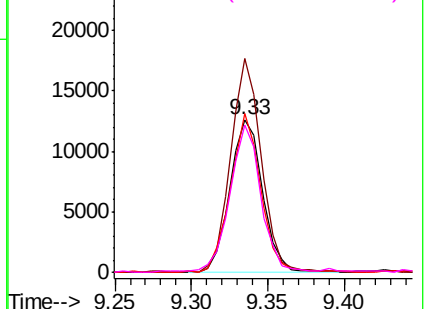


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

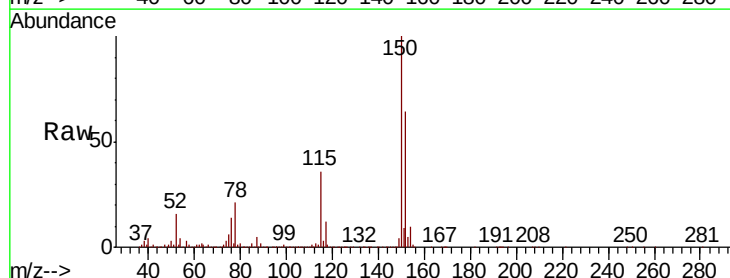
Tgt Ion:152 Resp: 605888

Ion Ratio Lower Upper

152 100

115 56.3 39.0 116.9

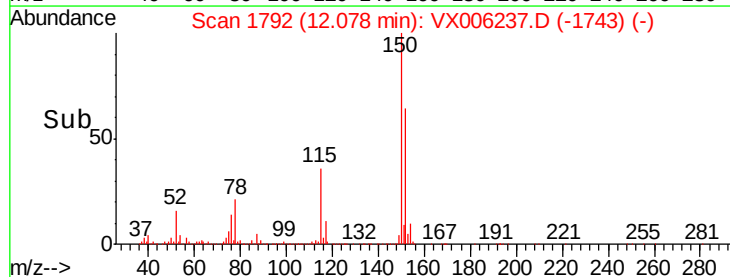
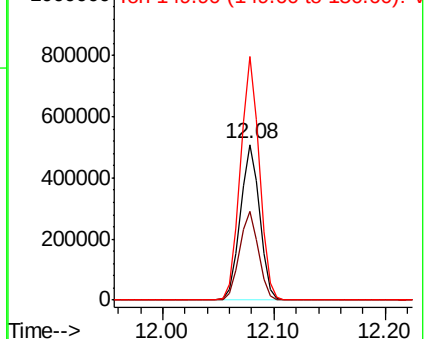
150 154.6 0.0 345.8

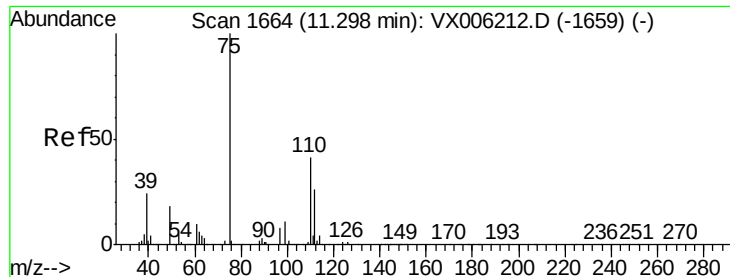


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.058 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

Instrument :

MSVOA_X

ClientSampled :

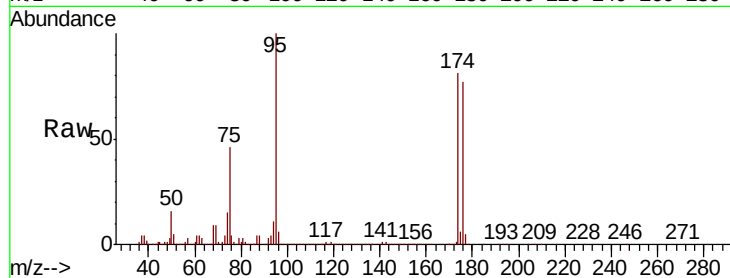
MH-J

Tot Ion: 75 Resp: 269653

Ion Ratio Lower Upper

75 100

77 1.1 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

200000

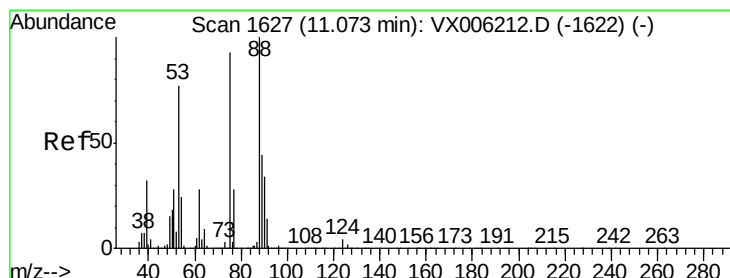
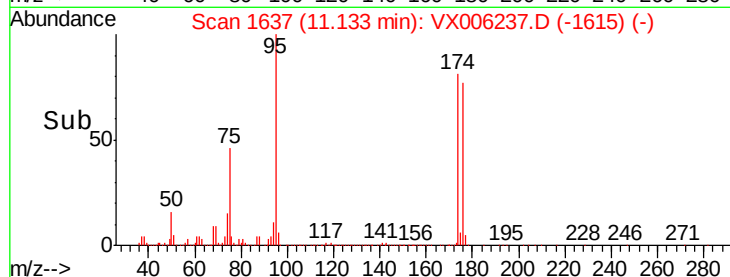
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 54.110 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

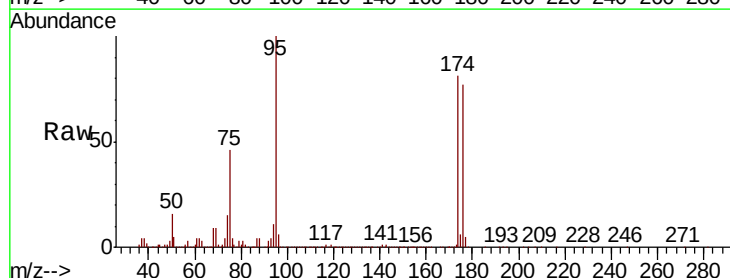
Tgt Ion: 75 Resp: 269653

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

200000

150000

100000

50000

0

Time-->

