

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008635.D
 Acq On : 04 Apr 2019 14:57
 Operator : JC/SP
 Sample : K2263-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Apr 05 07:05:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	215851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	363484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	310277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130343	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	152338	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	5.50	113	112188	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	8.71	98	455511	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.13	95	151670	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	

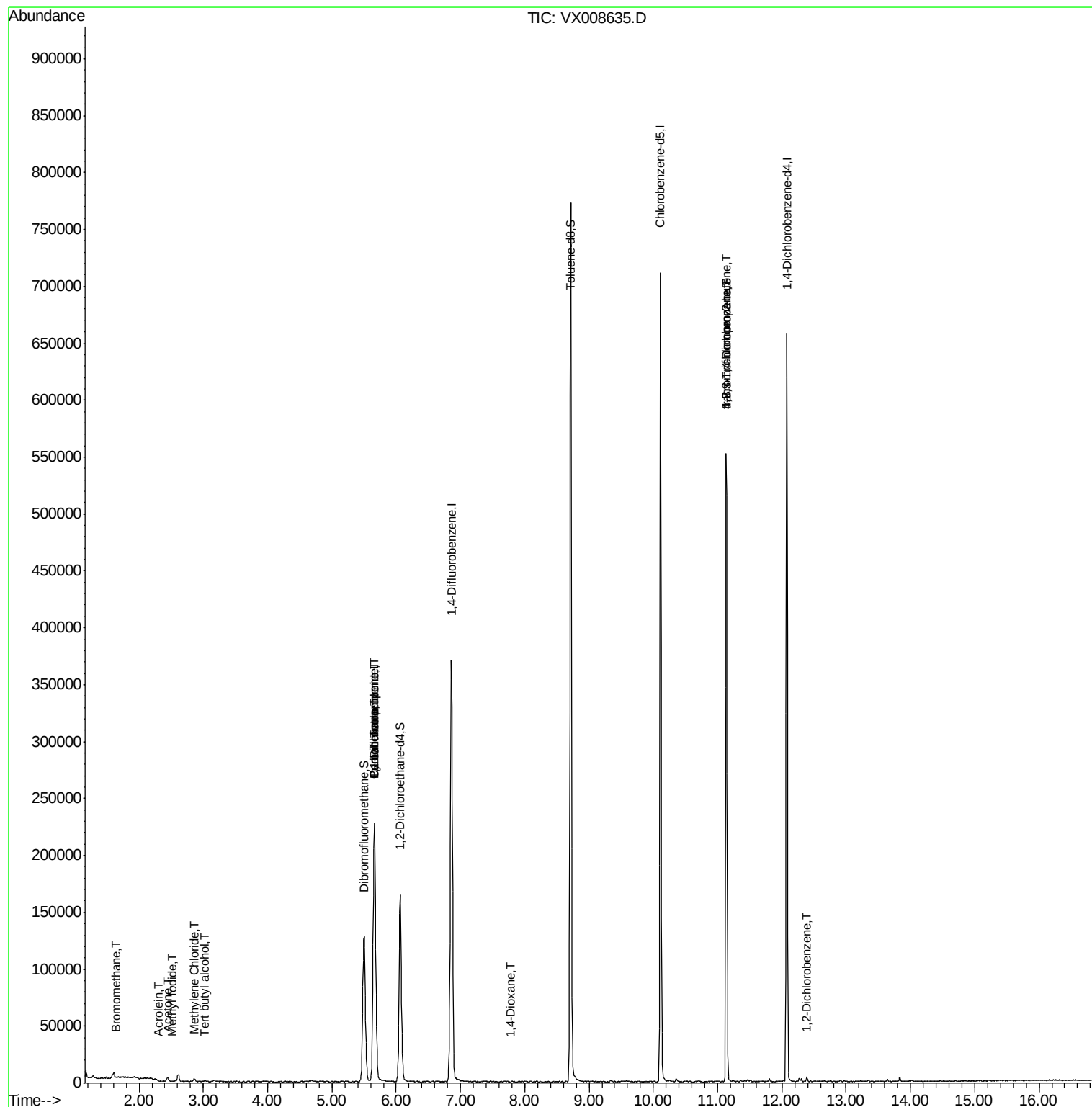
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	548	Below Cal	#	74
5) Bromomethane	1.64	94	359	2.094	ug/l	88
6) Chloroethane	1.73	64	1777	Below Cal	#	43
10) Methyl Iodide	2.51	142	358	4.154	ug/l #	87
11) Tert butyl alcohol	3.02	59	749	1.016	ug/l #	72
13) Acrolein	2.30	56	128	0.350	ug/l	94
16) Acetone	2.44	43	4732	2.610	ug/l	91
17) Carbon Disulfide	2.57	76	1513	Below Cal	#	83
20) Methylene Chloride	2.85	84	969	0.319	ug/l #	87
28) Bromochloromethane	5.03	49	65	Below Cal	#	22
31) Cyclohexane	5.66	56	5392	0.991	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18313	4.609	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21416	6.512	ug/l #	16
49) 1,4-Dioxane	7.77	88	20	0.254	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	77115	21.537	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	77115	59.367	ug/l #	9
91) 1,2-Dichlorobenzene	12.39	146	941	0.204	ug/l	99

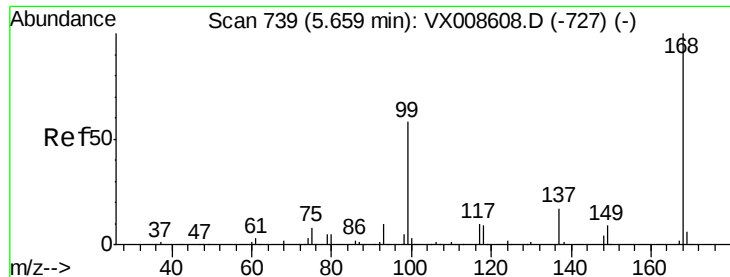
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

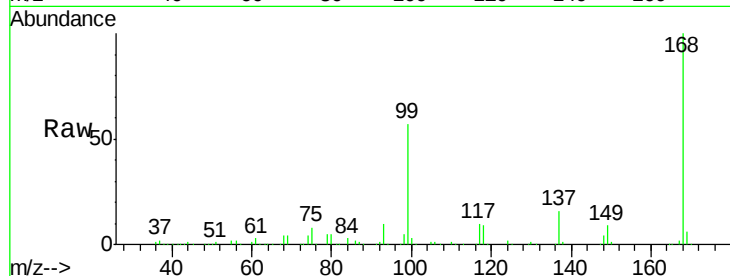
MW-5

Tgt Ion:168 Resp: 215851

Ion Ratio Lower Upper

168 100

99 56.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

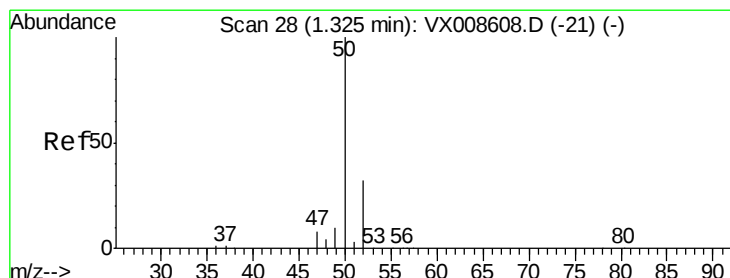
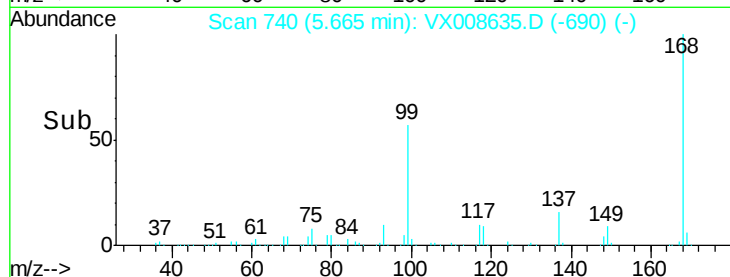
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008635.D

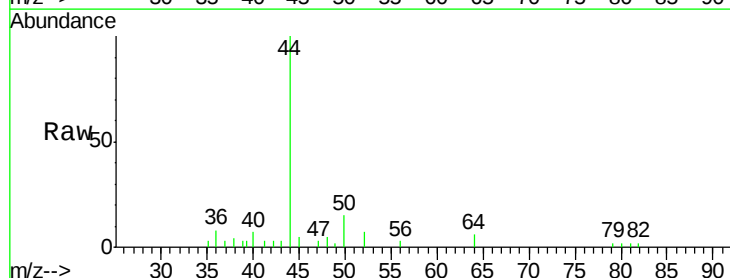
Acq: 04 Apr 2019 14:57

Tgt Ion: 50 Resp: 548

Ion Ratio Lower Upper

50 100

52 46.7 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

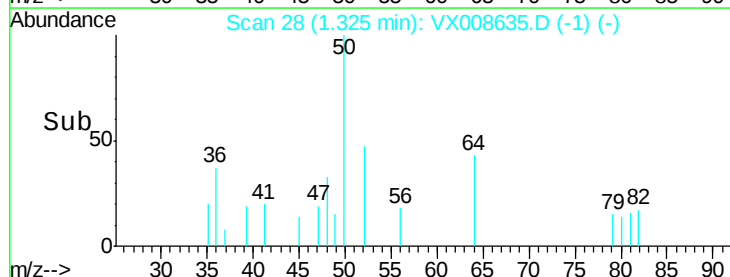
300

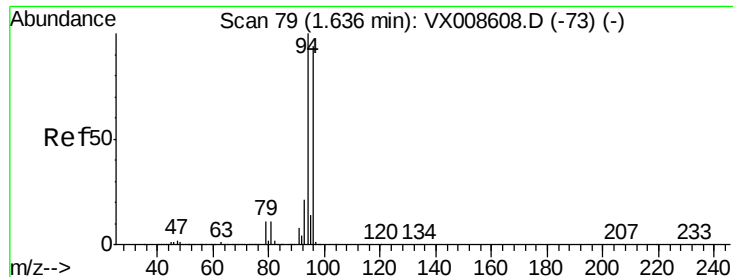
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.094 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

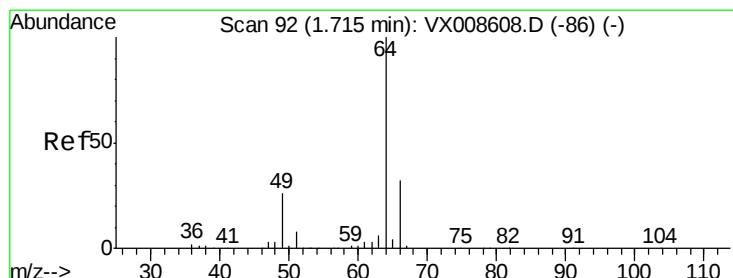
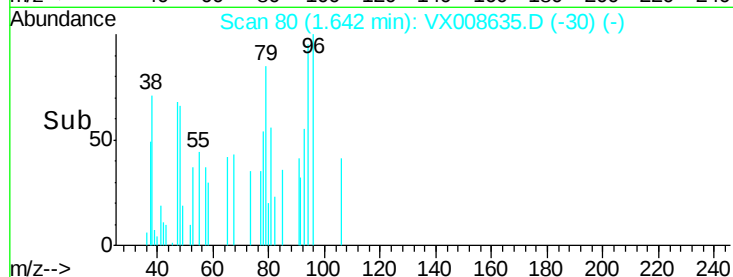
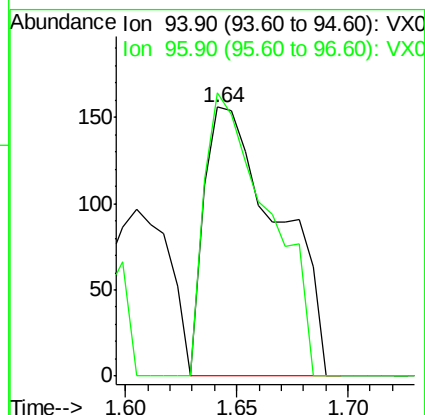
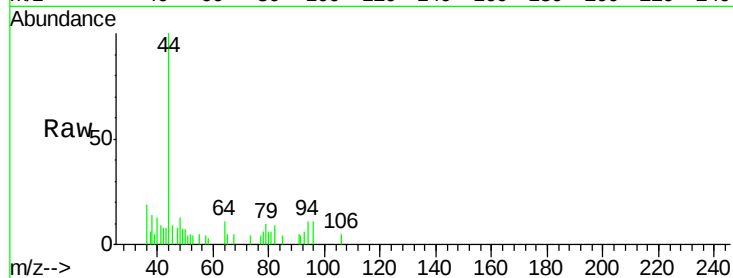
MW-5

Tgt Ion: 94 Resp: 359

Ion Ratio Lower Upper

94 100

96 105.1 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX008635.D

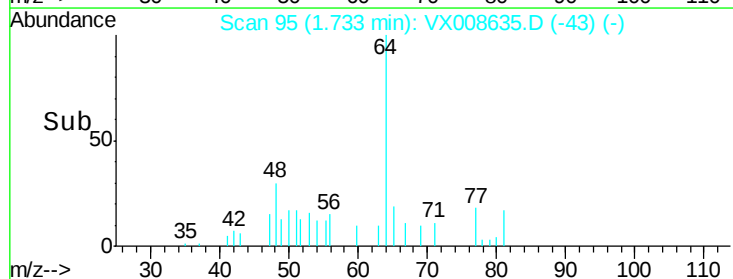
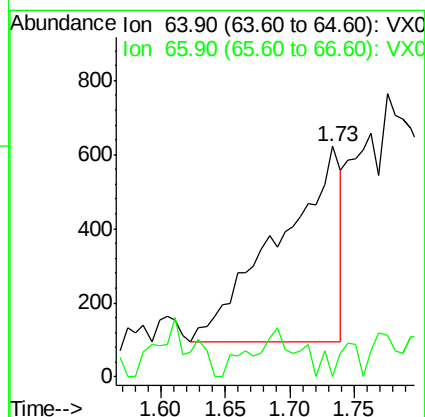
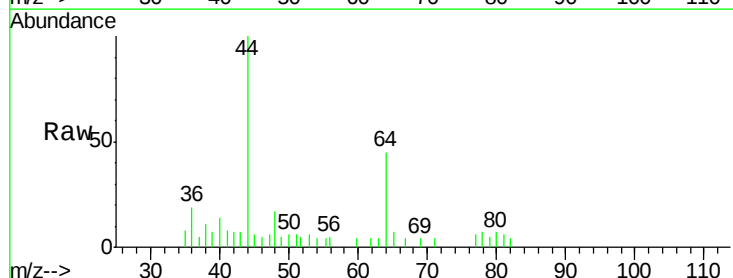
Acq: 04 Apr 2019 14:57

Tgt Ion: 64 Resp: 1777

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#

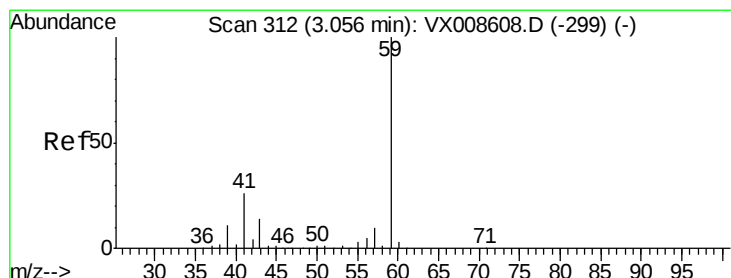
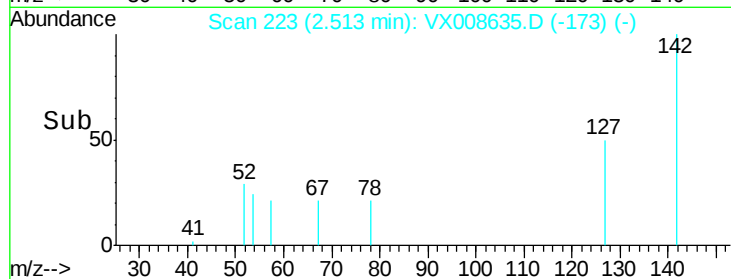
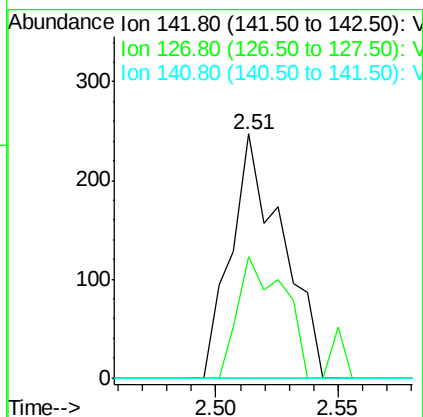
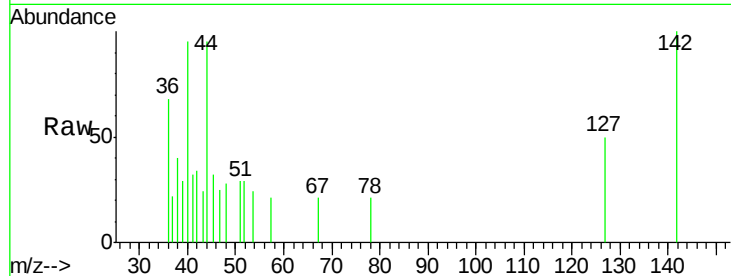




#10
Methyl Iodide
Concen: 4.154 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008635.D
Acq: 04 Apr 2019 14:57

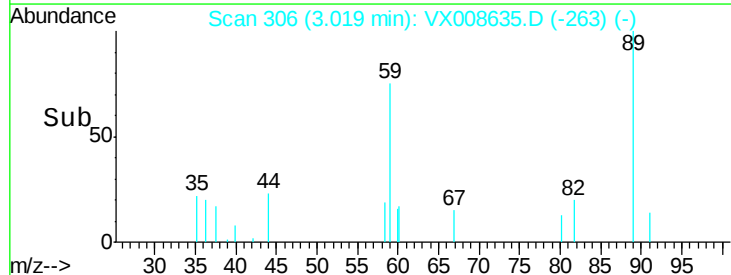
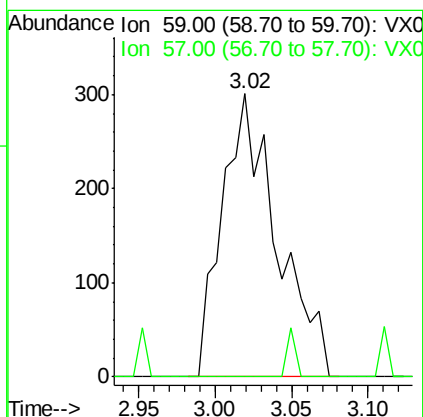
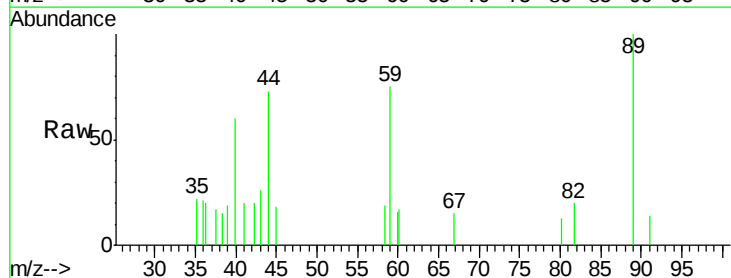
Instrument :
MSVOA_X
ClientSampled :
MW-5

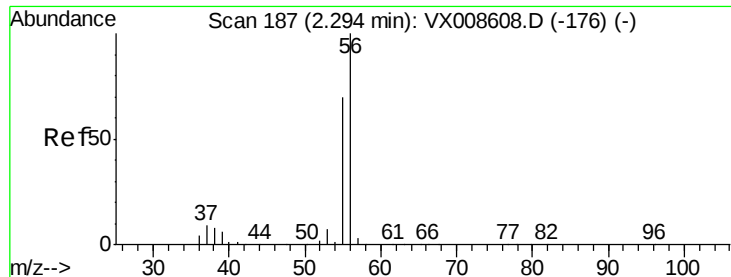
Tgt Ion: 142 Resp: 358
Ion Ratio Lower Upper
142 100
127 45.0 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.016 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008635.D
Acq: 04 Apr 2019 14:57

Tgt Ion: 59 Resp: 749
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.350 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

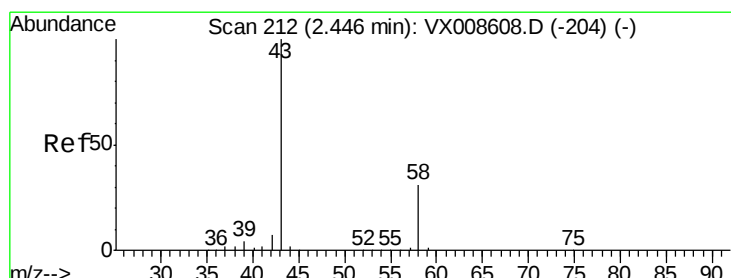
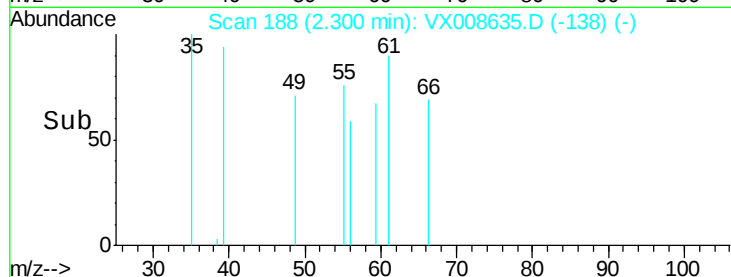
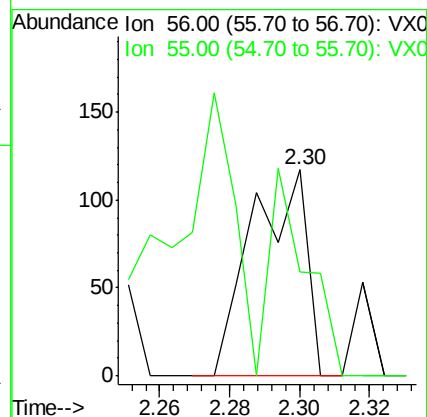
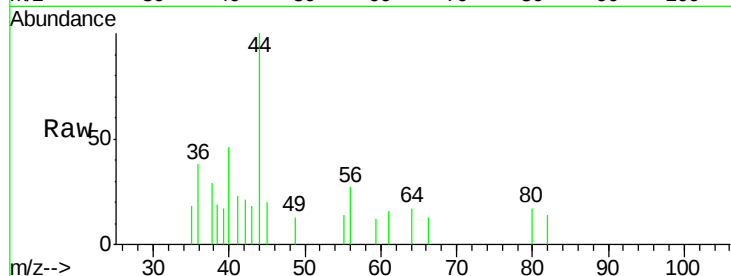
MW-5

Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

56 100

55 67.2 58.0 87.0



#16

Acetone

Concen: 2.610 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008635.D

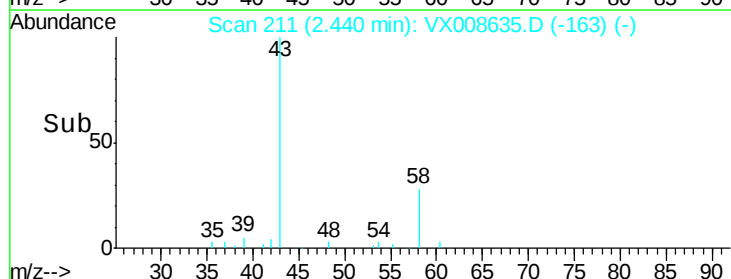
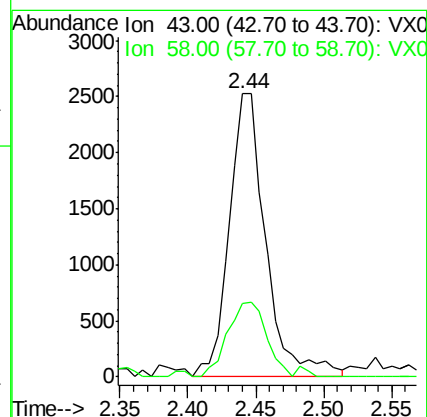
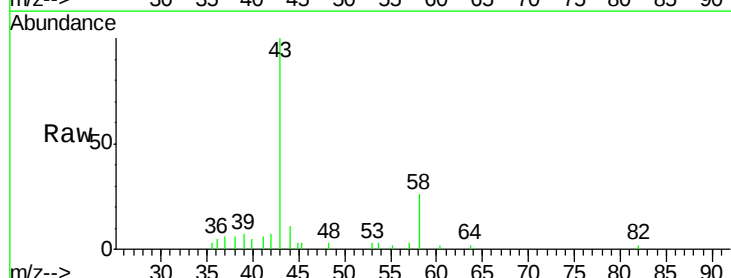
Acq: 04 Apr 2019 14:57

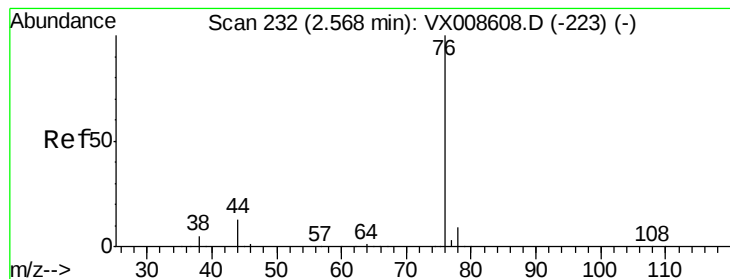
Tgt Ion: 43 Resp: 4732

Ion Ratio Lower Upper

43 100

58 26.0 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

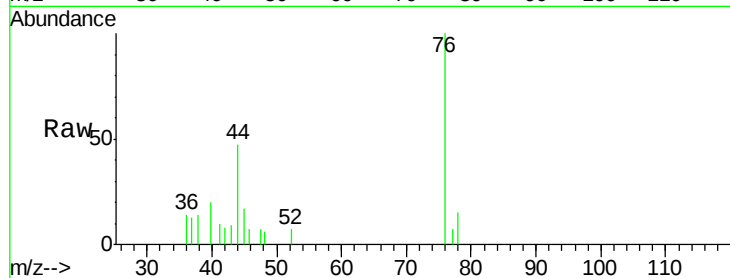
MW-5

Tgt Ion: 76 Resp: 1513

Ion Ratio Lower Upper

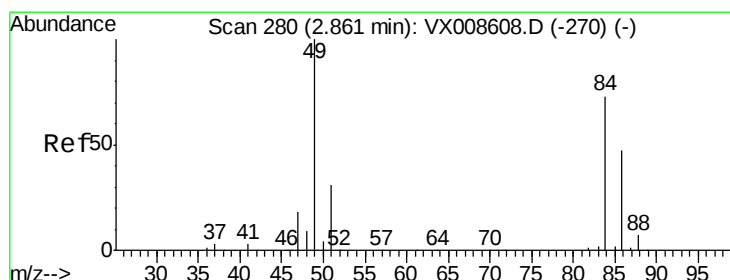
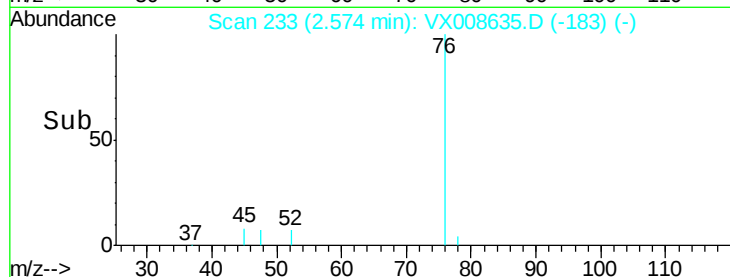
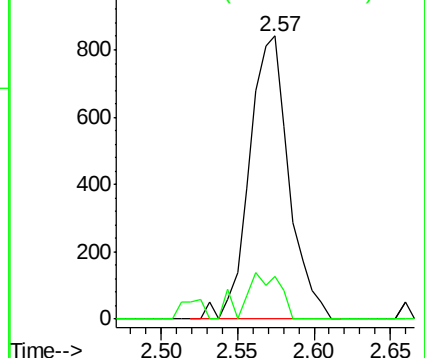
76 100

78 15.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.319 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

Tgt Ion: 84 Resp: 969

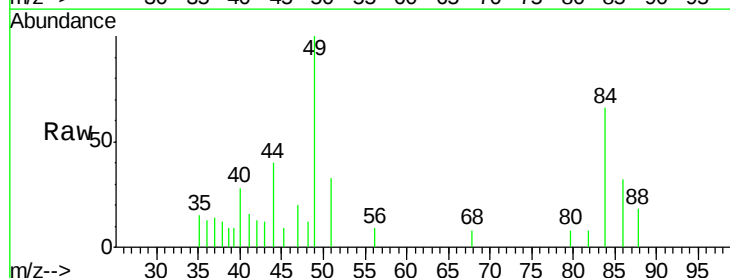
Ion Ratio Lower Upper

84 100

49 150.5 109.7 164.5

51 38.2 33.6 50.4

86 47.7 51.4 77.2#

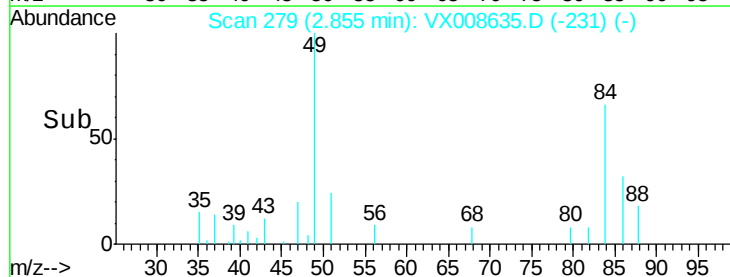
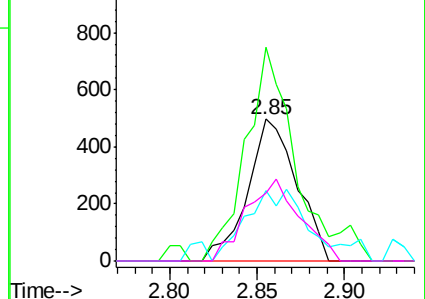


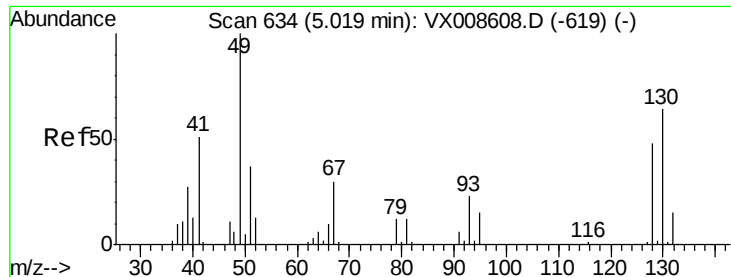
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

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MSVOA_X

ClientSampleId :

MW-5

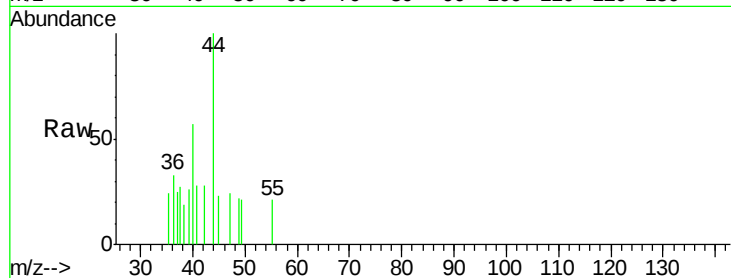
Tgt Ion: 49 Resp: 65

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

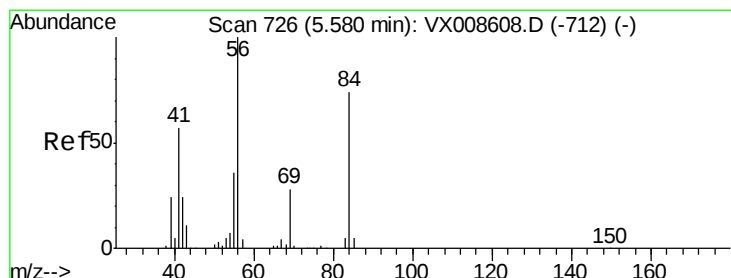
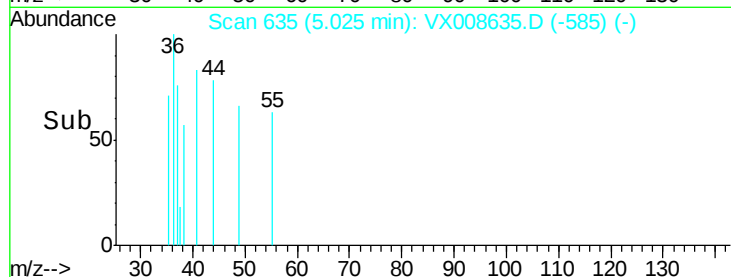
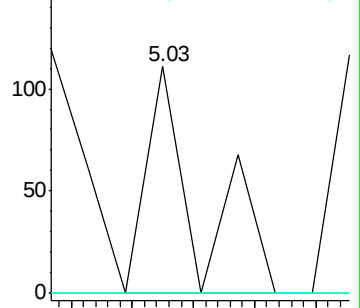
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.991 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

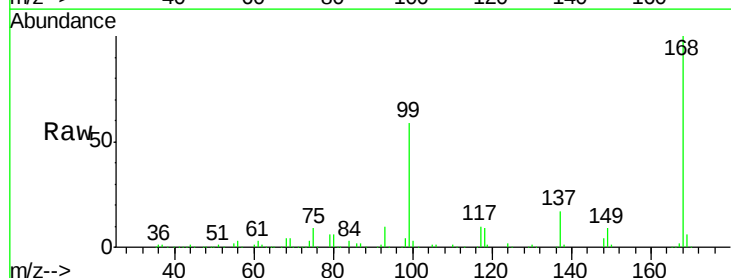
Tgt Ion: 56 Resp: 5392

Ion Ratio Lower Upper

56 100

69 147.8 22.6 33.8#

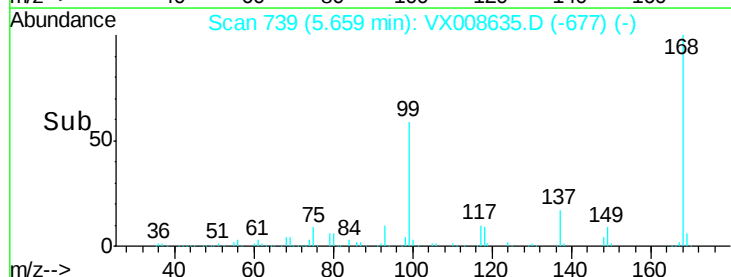
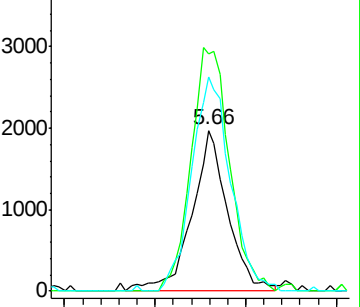
84 133.3 59.3 88.9#

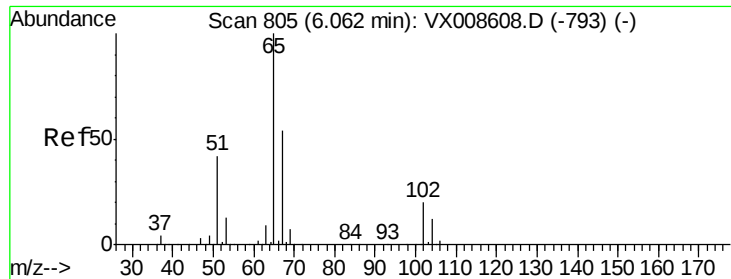


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

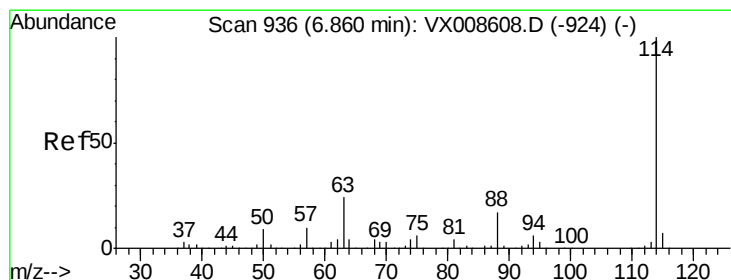
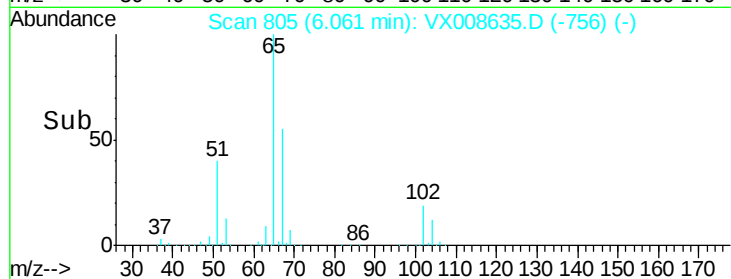
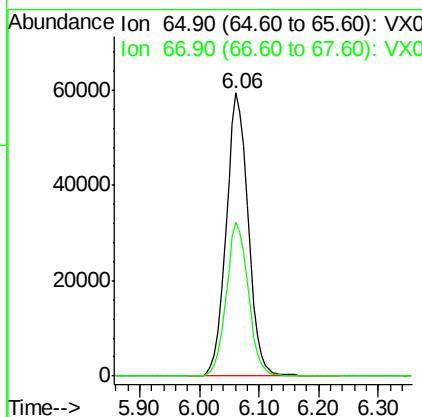
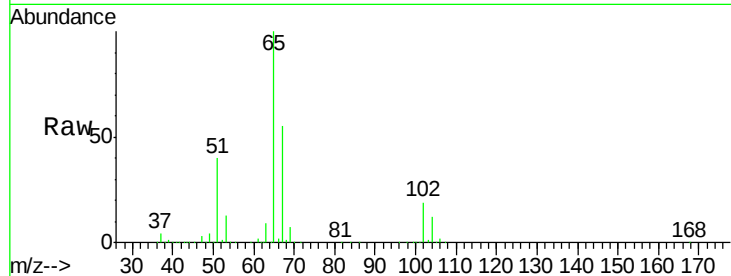




#33
 1,2-Dichloroethane-d4
 Concen: 48.387 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008635.D
 Acq: 04 Apr 2019 14:57

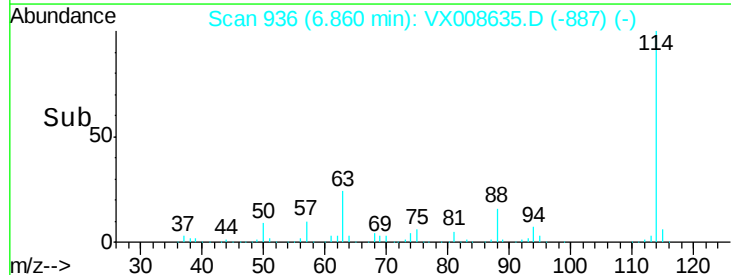
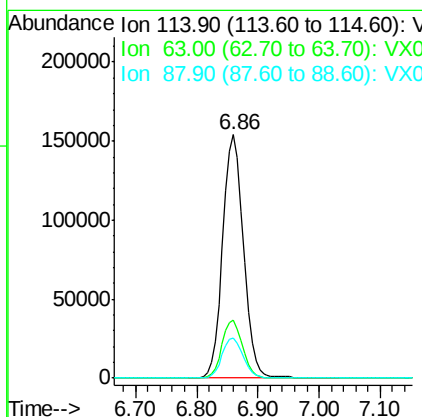
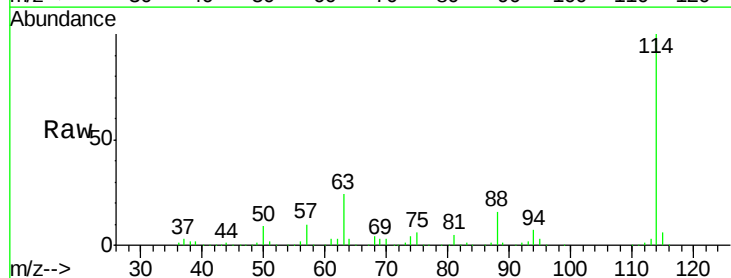
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

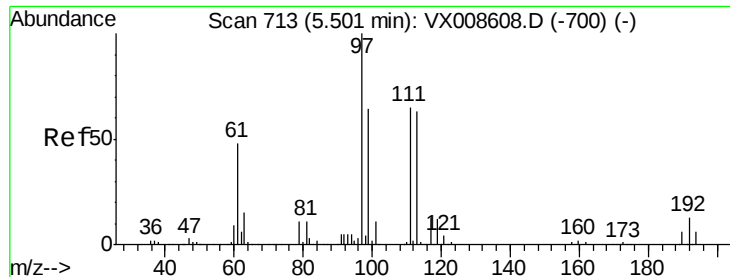
Tgt Ion: 65 Resp: 152338
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008635.D
 Acq: 04 Apr 2019 14:57

Tgt Ion: 114 Resp: 363484
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 47.2
 88 16.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.274 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

Instrument :

MSVOA_X

ClientSampled :

MW-5

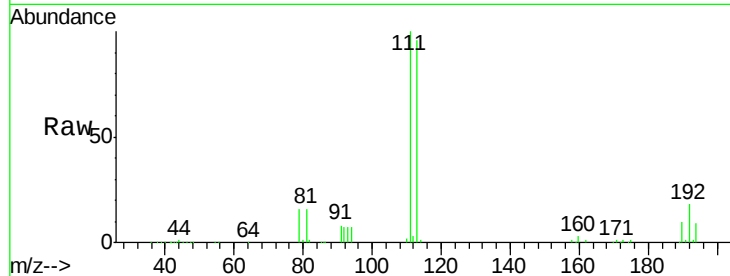
Tgt Ion:113 Resp: 112188

Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.2

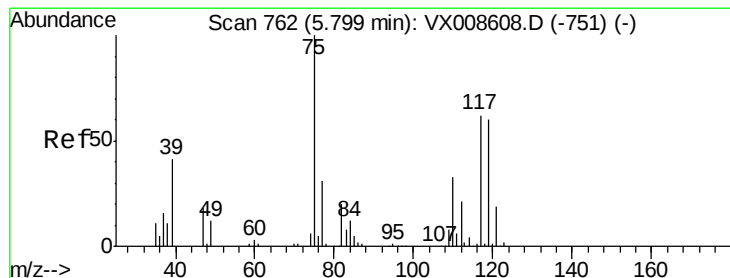
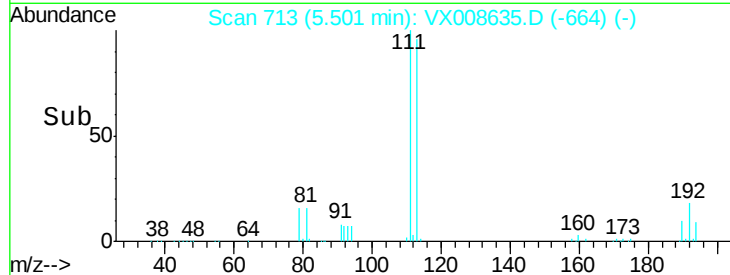
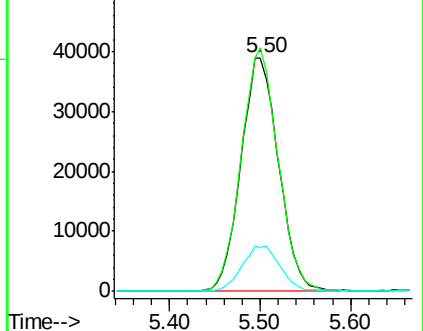
192 19.9 16.1 24.1



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: 4.609 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

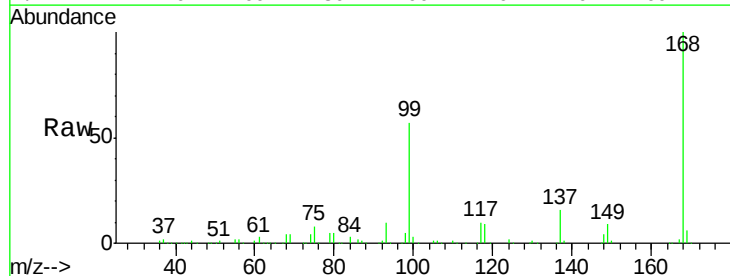
Tgt Ion: 75 Resp: 18313

Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.2#

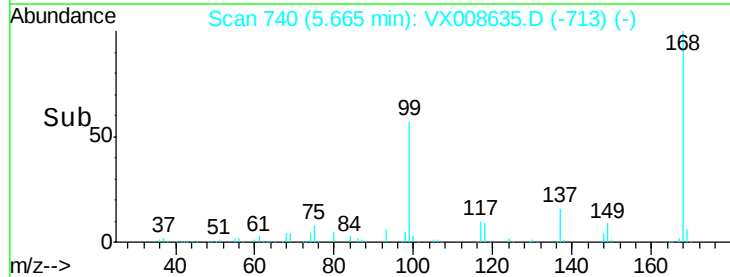
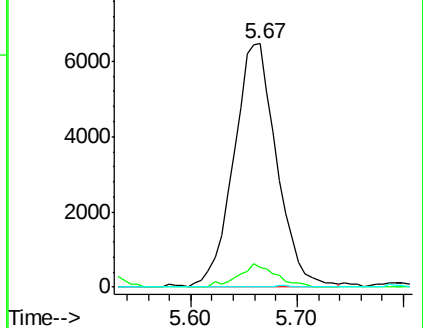
77 0.0 24.7 37.1#

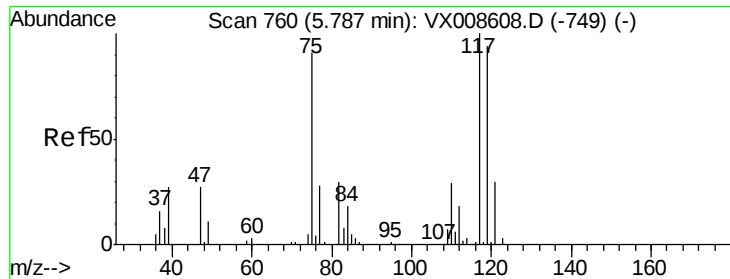


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.512 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

MW-5

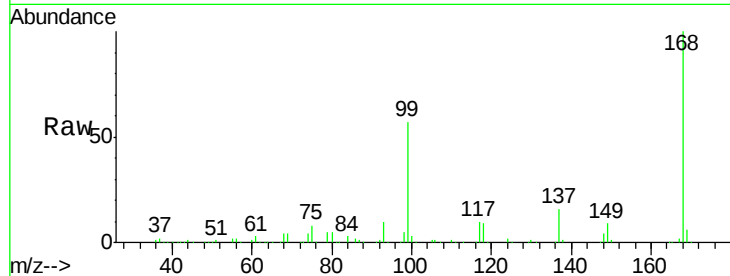
Tgt Ion:117 Resp: 21416

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

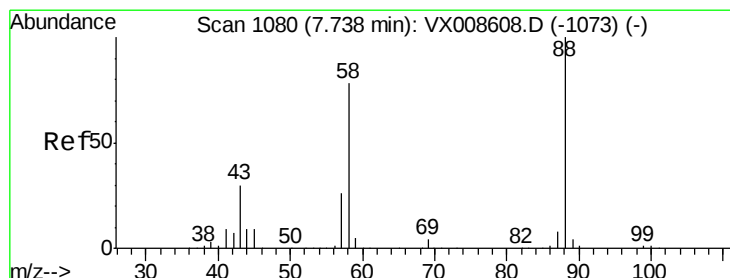
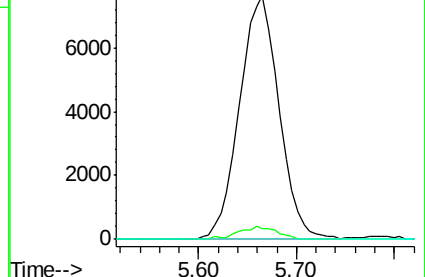
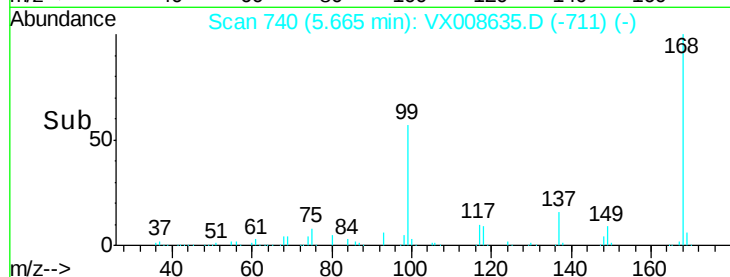
121 0.0 24.3 36.5#



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: 0.254 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

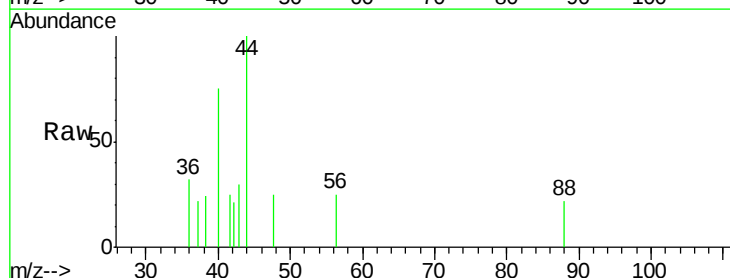
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 265.0 28.6 43.0#

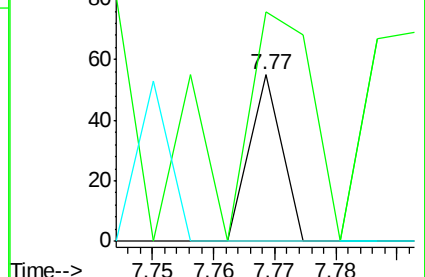
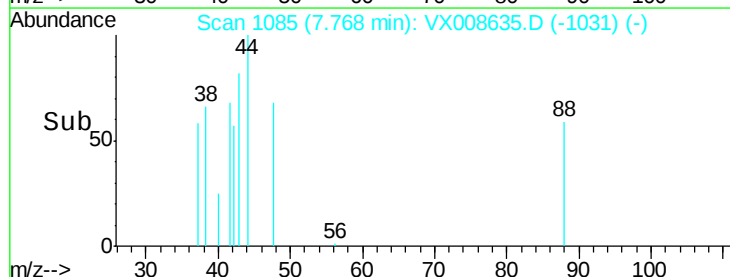
58 95.0 62.2 93.2#

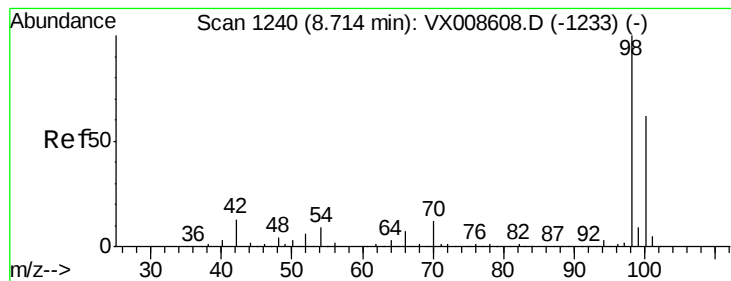


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.226 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

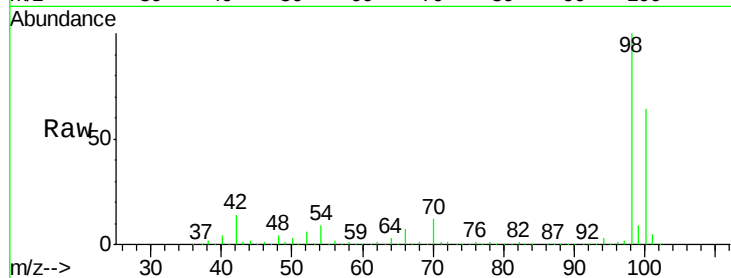
MW-5

Tgt Ion: 98 Resp: 455511

Ion Ratio Lower Upper

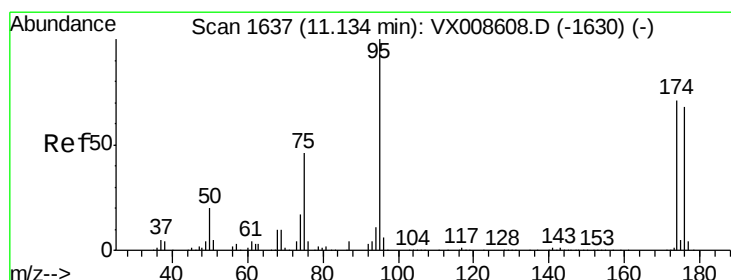
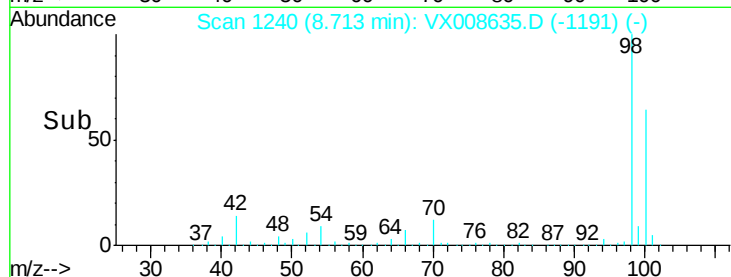
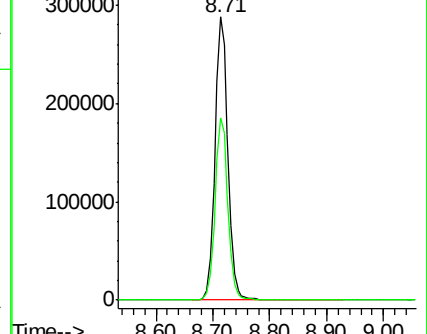
98 100

100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.221 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

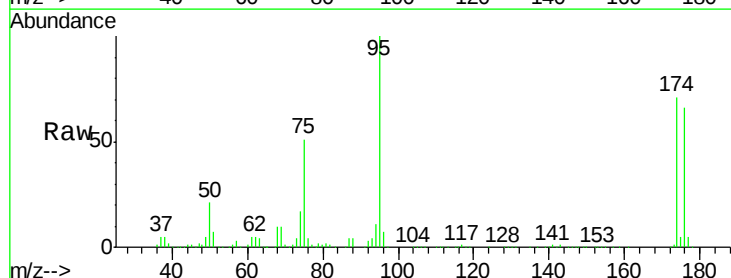
Tgt Ion: 95 Resp: 151670

Ion Ratio Lower Upper

95 100

174 75.6 0.0 151.8

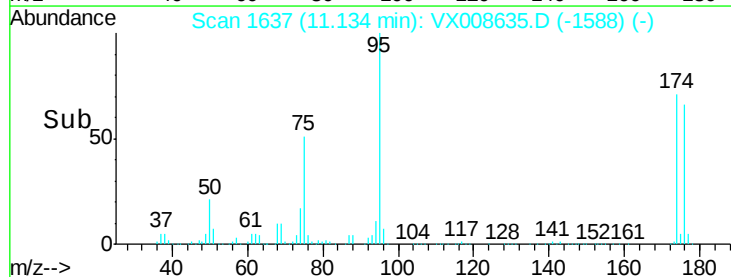
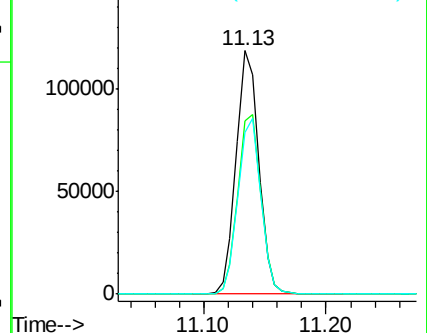
176 72.9 0.0 145.8

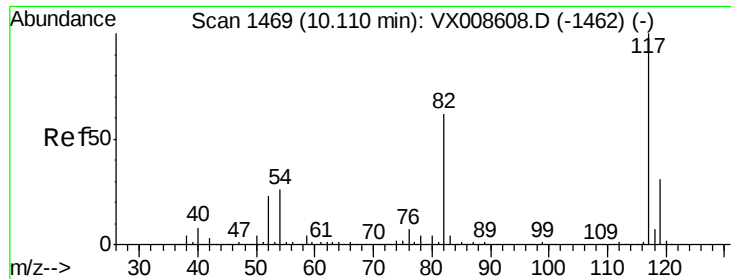


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

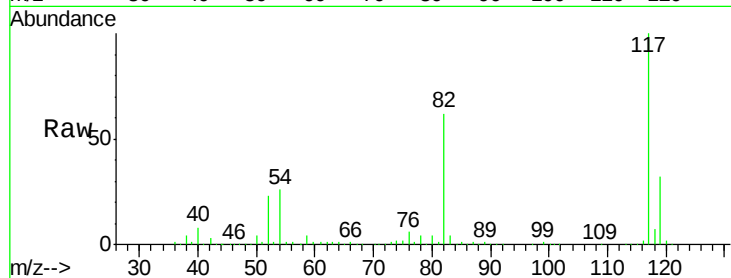




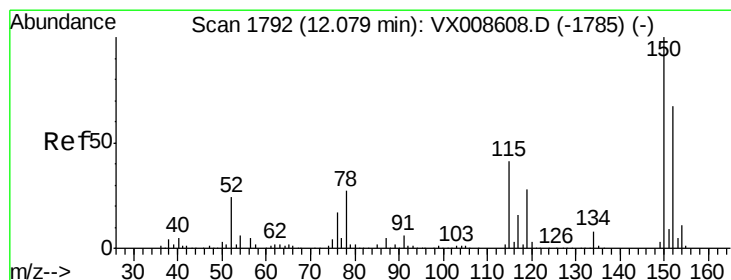
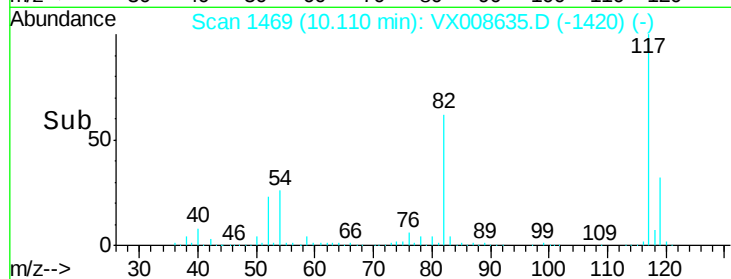
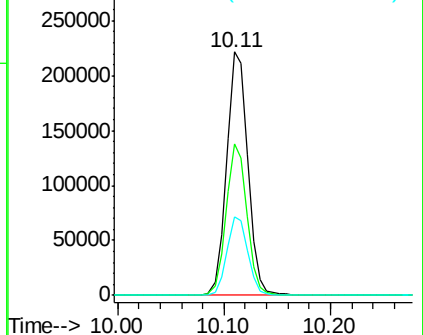
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008635.D
Acq: 04 Apr 2019 14:57

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tgt Ion:117 Resp: 310277
Ion Ratio Lower Upper
117 100
82 62.1 49.6 74.4
119 32.2 25.0 37.4

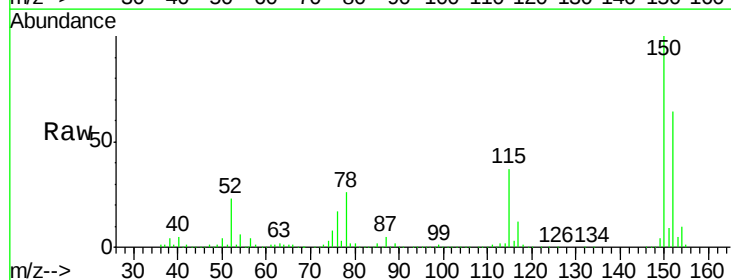


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

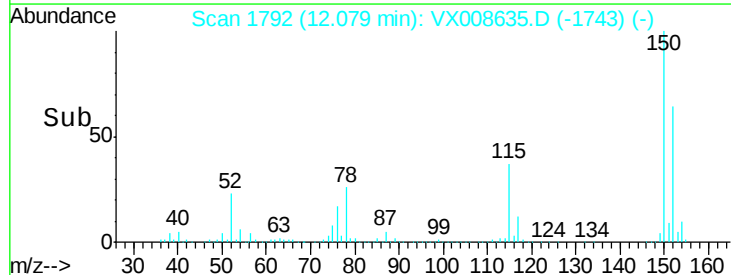
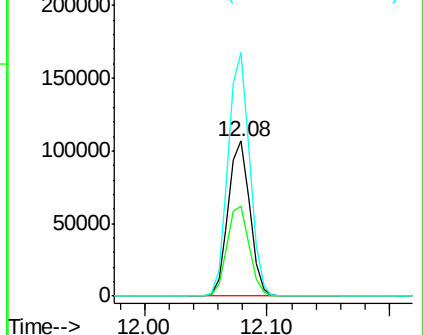


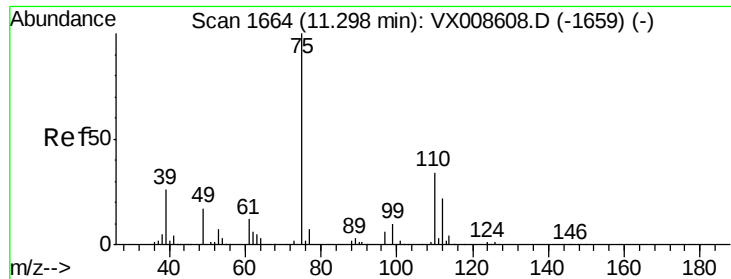
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008635.D
Acq: 04 Apr 2019 14:57

Tgt Ion:152 Resp: 130343
Ion Ratio Lower Upper
152 100
115 59.8 43.5 130.5
150 155.8 0.0 348.8



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: 21.537 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

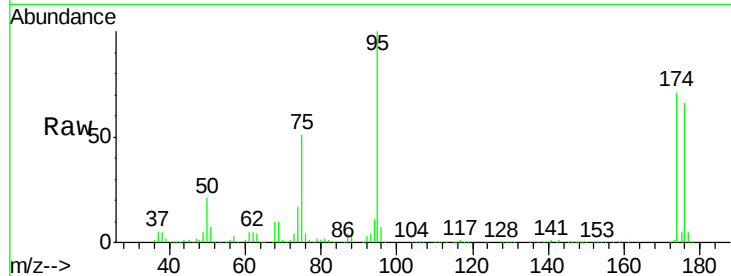
MW-5

Tgt Ion: 75 Resp: 77115

Ion Ratio Lower Upper

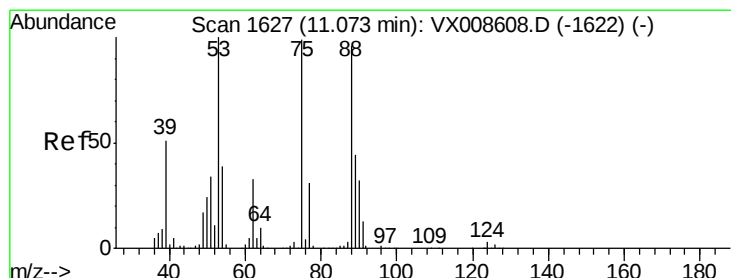
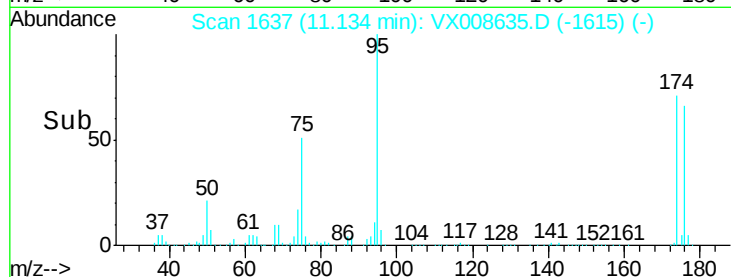
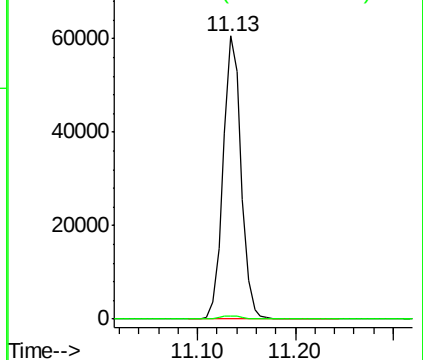
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 59.367 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008635.D

Acq: 04 Apr 2019 14:57

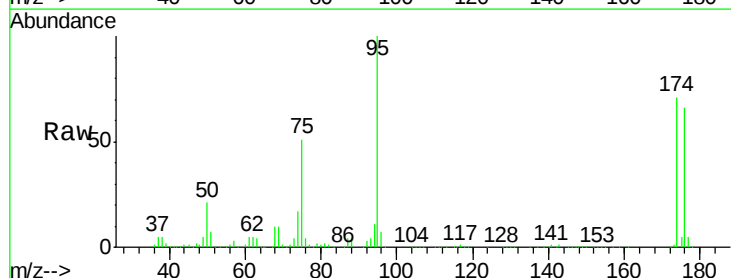
Tgt Ion: 75 Resp: 77115

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

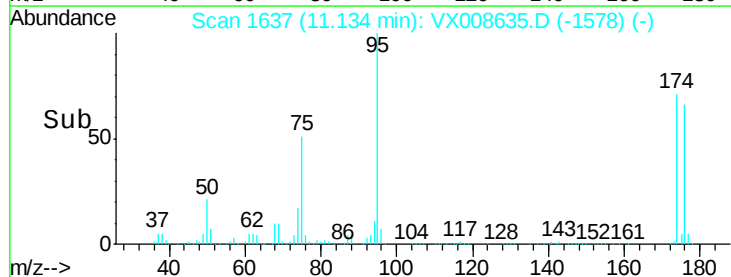
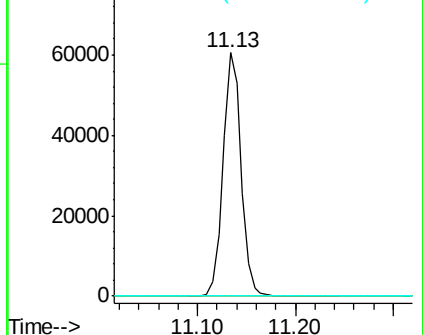
89 0.0 35.6 53.4#

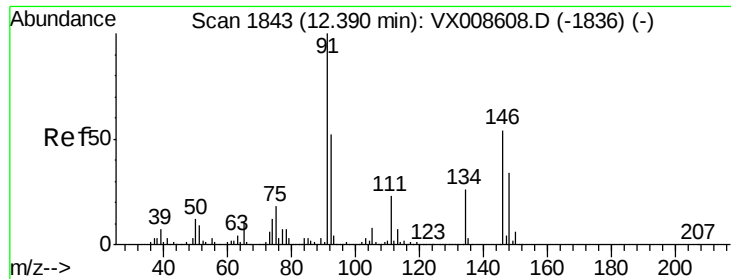


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#91
 1,2-Dichlorobenzene
 Concen: 0.204 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008635.D
 Acq: 04 Apr 2019 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Tgt Ion:146 Resp: 941
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.3 63.9
 148 63.1 31.7 95.1

