

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
 Data File : VX006820.D
 Acq On : 26 Dec 2018 16:03
 Operator : JC/MD
 Sample : J6549-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9

Quant Time: Dec 27 03:04:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	753428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1096275	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1009181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	522307	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	367371	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
35) Dibromofluoromethane	5.50	113	325179	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	8.71	98	1288507	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	473415	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	

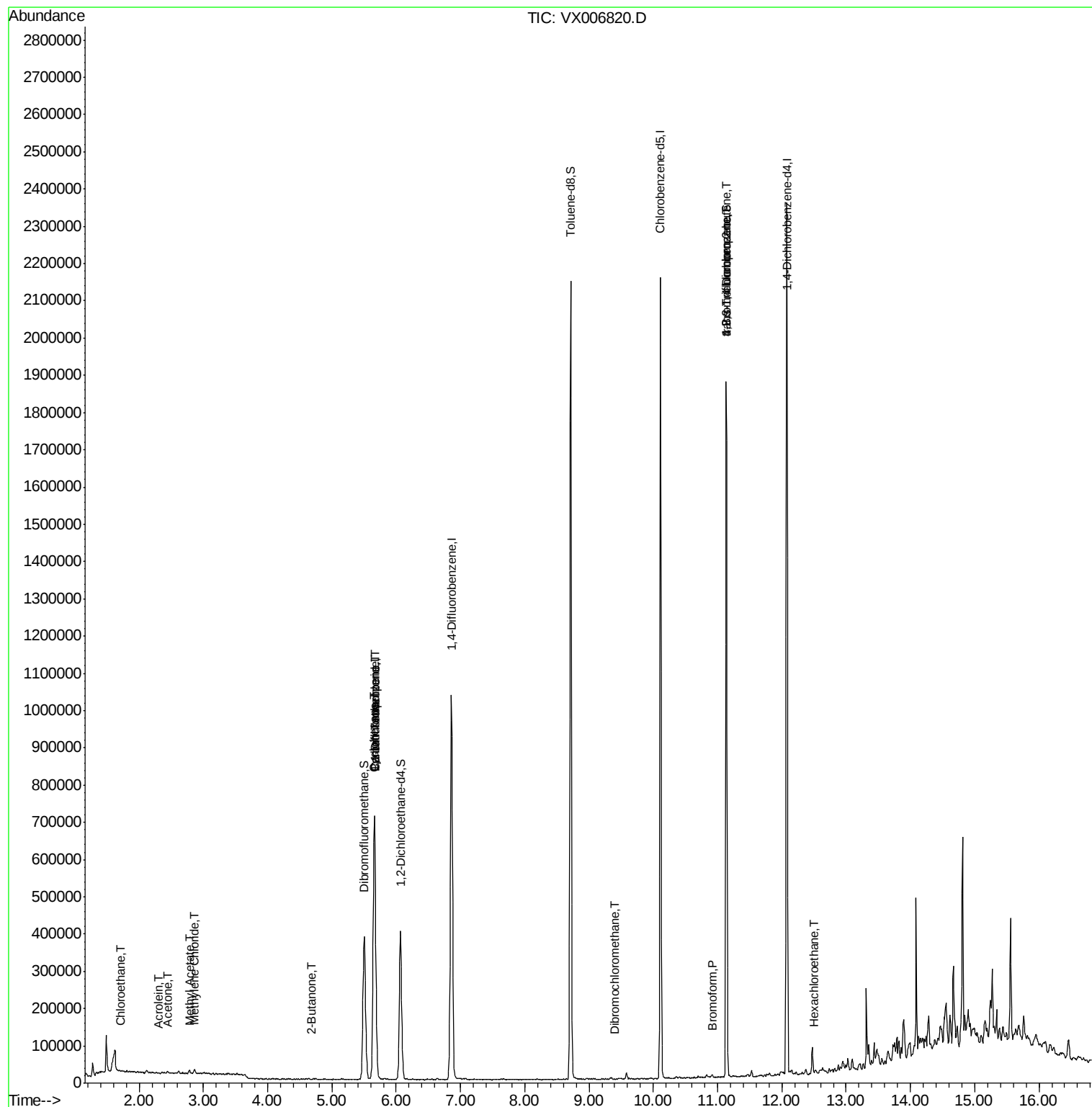
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	991	Below Cal	#	58
6) Chloroethane	1.71	64	1503	0.280	ug/l #	42
13) Acrolein	2.29	56	1254	1.026	ug/l #	58
16) Acetone	2.45	43	5274	1.414	ug/l	100
18) Methyl Acetate	2.78	43	10180	0.928	ug/l #	90
20) Methylene Chloride	2.86	84	4806	0.623	ug/l #	88
25) 2-Butanone	4.68	43	1079	0.206	ug/l #	47
28) Bromochloromethane	5.03	49	78	Below Cal	#	1
31) Cyclohexane	5.65	56	12461	1.108	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	45844	5.049	ug/l #	49
38) Carbon Tetrachloride	5.66	117	66330	7.517	ug/l #	14
49) 1,4-Dioxane	7.75	88	38	Below Cal	#	1
60) Dibromochloromethane	9.40	129	198	2.349	ug/l	69
71) Bromoform	10.91	173	128	4.479	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	226072	23.290	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	226072	69.112	ug/l #	10
90) Hexachloroethane	12.50	117	93	3.311	ug/l	77

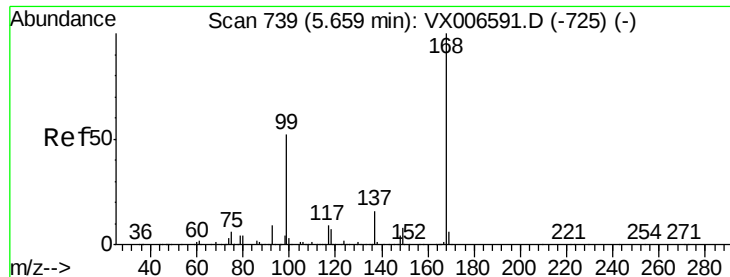
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
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QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

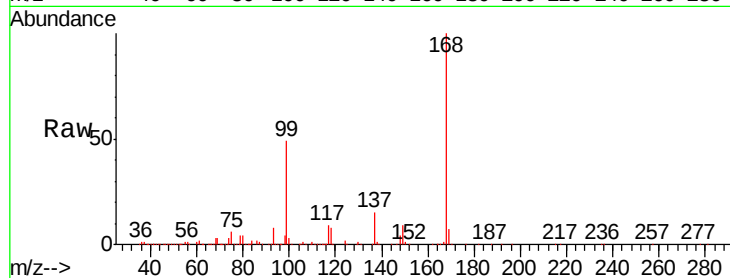
MW-9

Tgt Ion:168 Resp: 753428

Ion Ratio Lower Upper

168 100

99 48.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

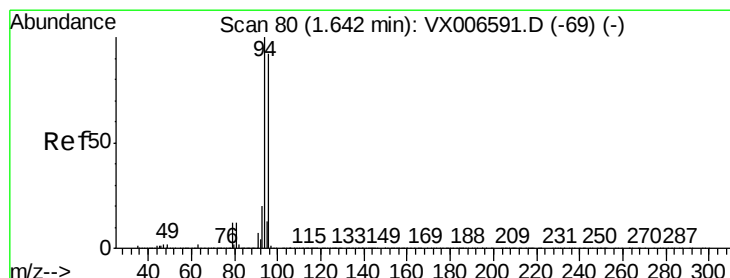
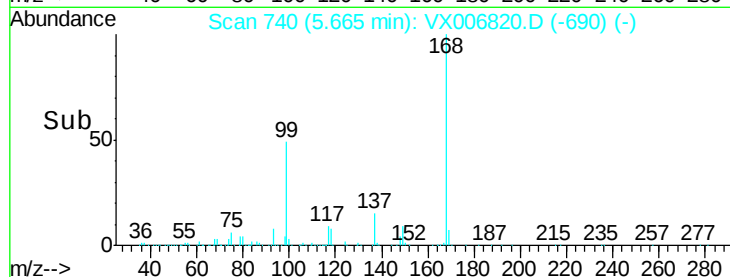
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006820.D

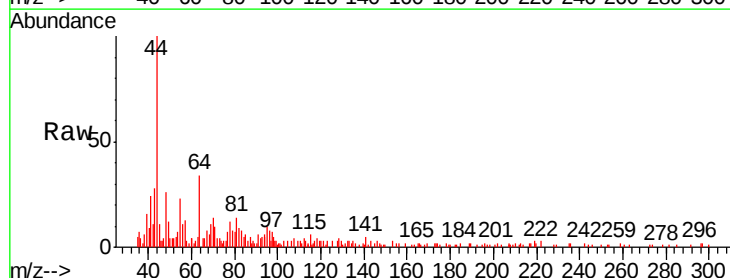
Acq: 26 Dec 2018 16:03

Tgt Ion: 94 Resp: 991

Ion Ratio Lower Upper

94 100

96 52.0 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

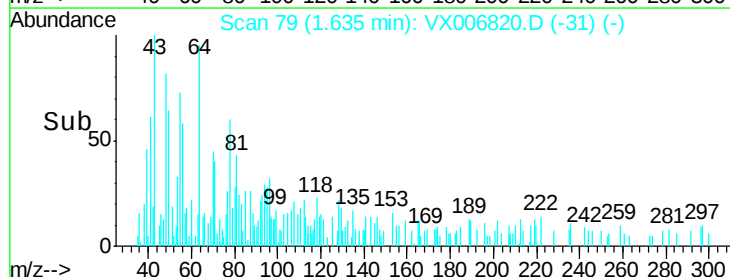
600

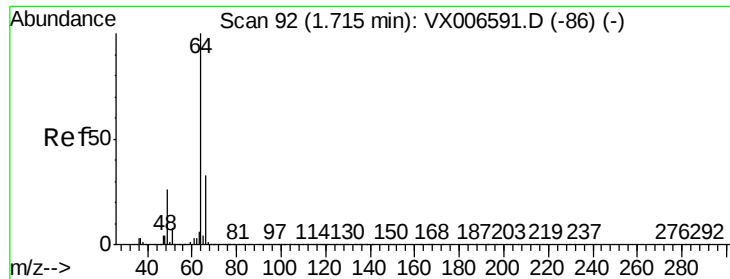
400

200

0

Time-->





#6

Chloroethane

Concen: 0.280 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampled :

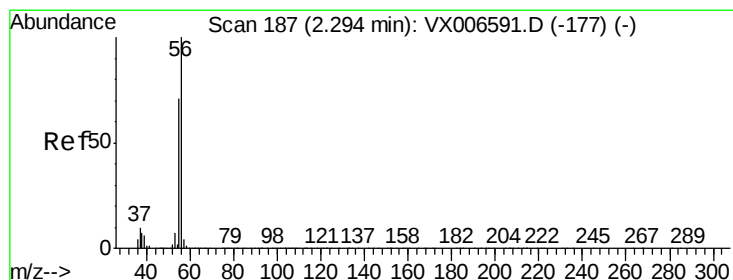
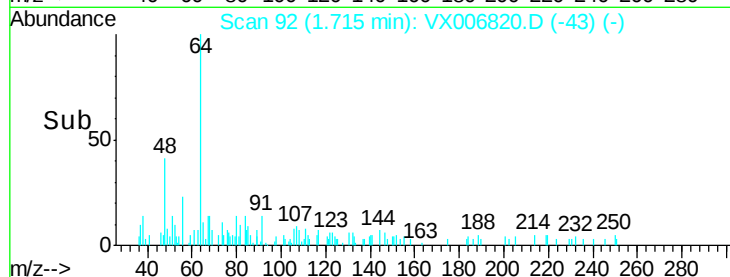
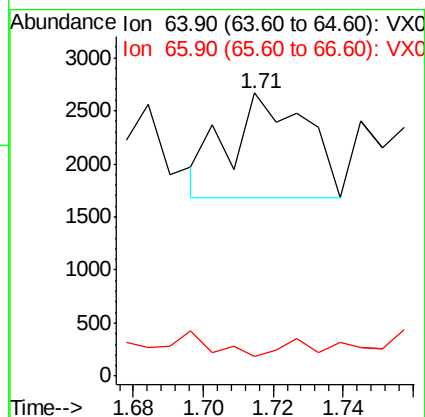
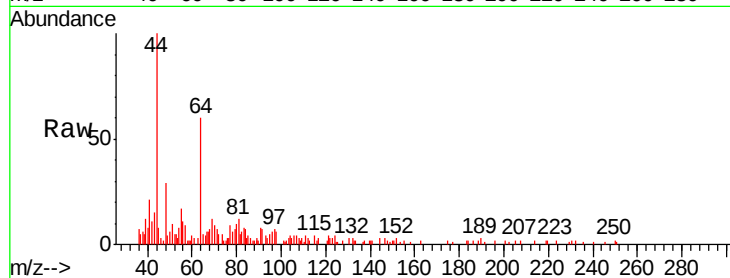
MW-9

Tgt Ion: 64 Resp: 1503

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#



#13

Acrolein

Concen: 1.026 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006820.D

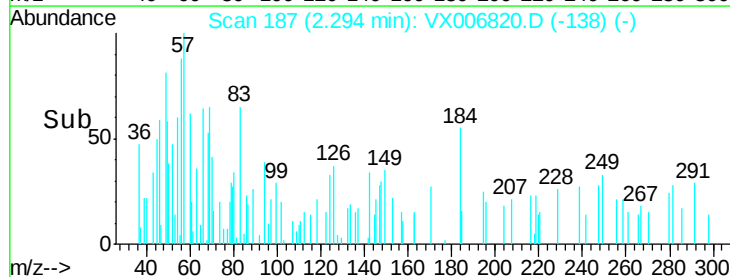
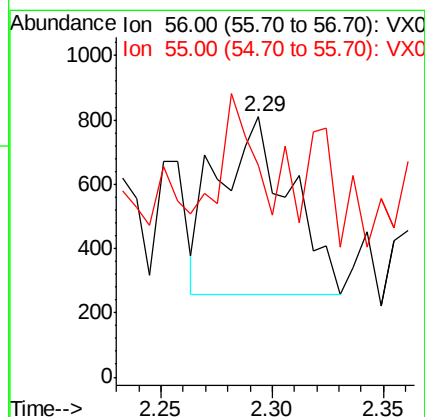
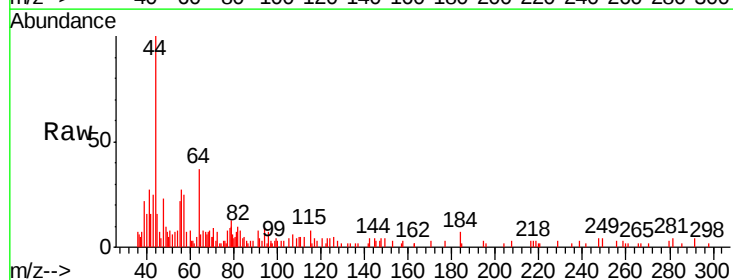
Acq: 26 Dec 2018 16:03

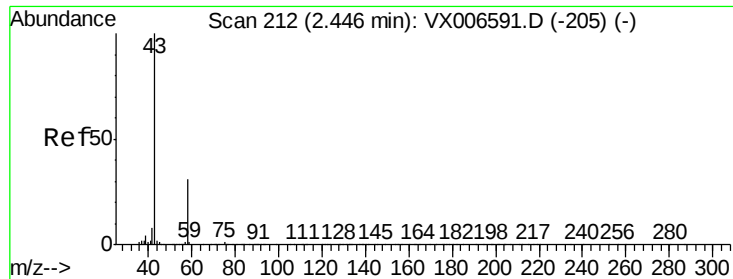
Tgt Ion: 56 Resp: 1254

Ion Ratio Lower Upper

56 100

55 37.3 58.2 87.4#

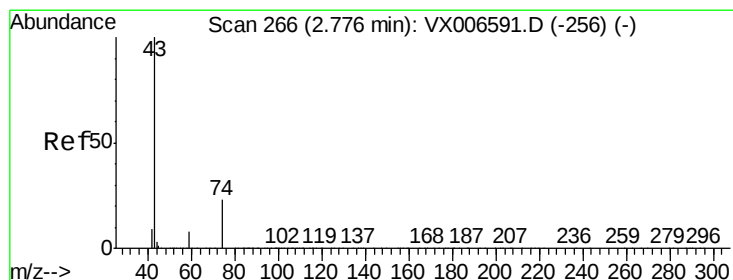
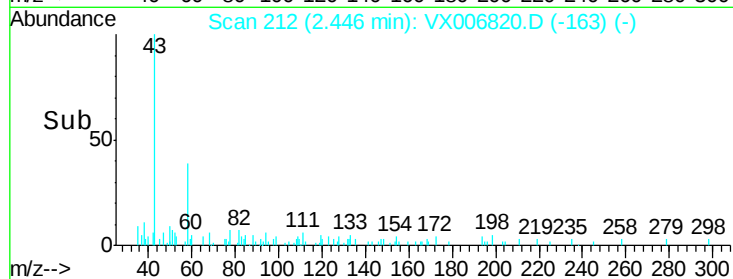
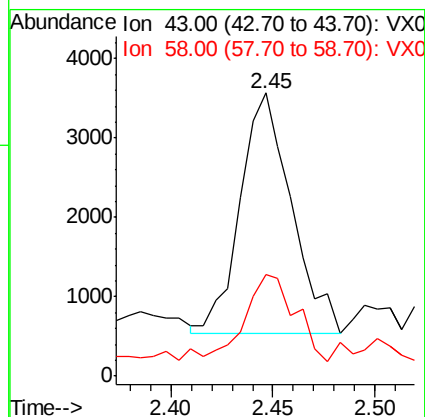
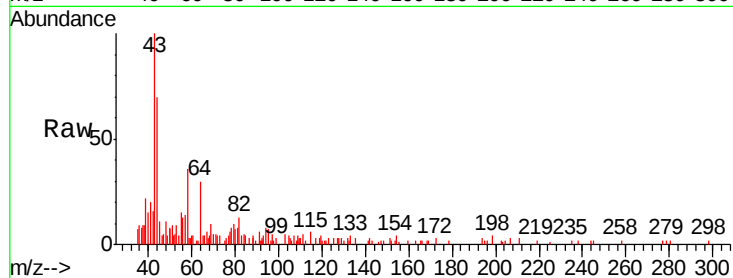




#16
Acetone
Concen: 1.414 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006820.D
Acq: 26 Dec 2018 16:03

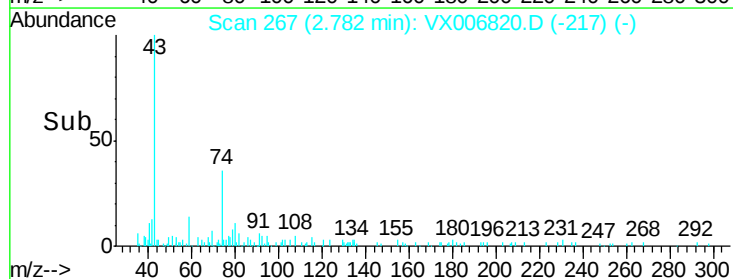
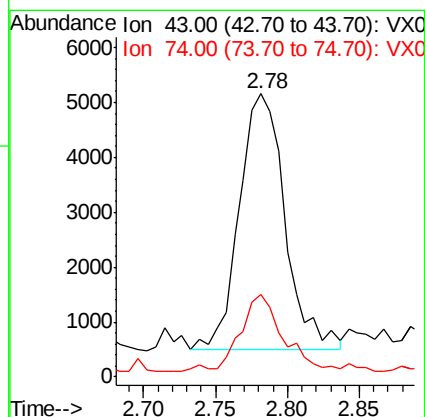
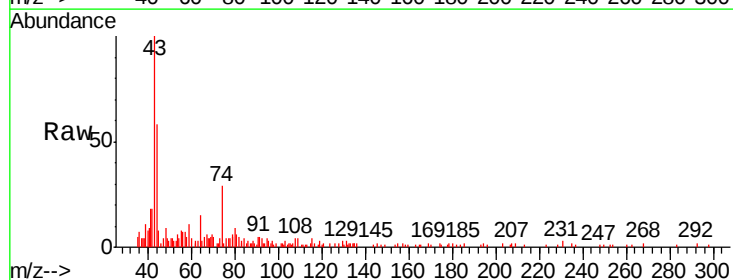
Instrument :
MSVOA_X
ClientSampleId :
MW-9

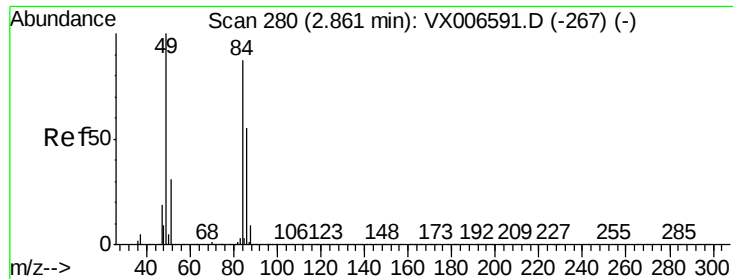
Tgt Ion: 43 Resp: 5274
Ion Ratio Lower Upper
43 100
58 31.1 25.0 37.6



#18
Methyl Acetate
Concen: 0.928 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006820.D
Acq: 26 Dec 2018 16:03

Tgt Ion: 43 Resp: 10180
Ion Ratio Lower Upper
43 100
74 28.4 18.6 28.0#

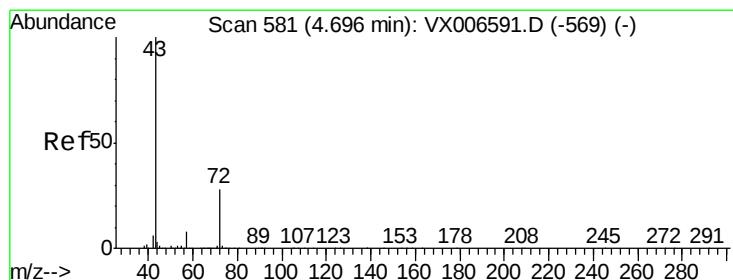
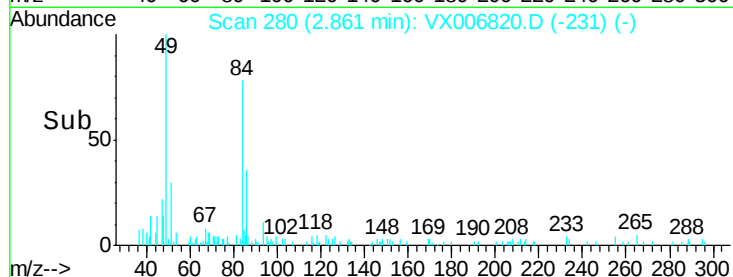
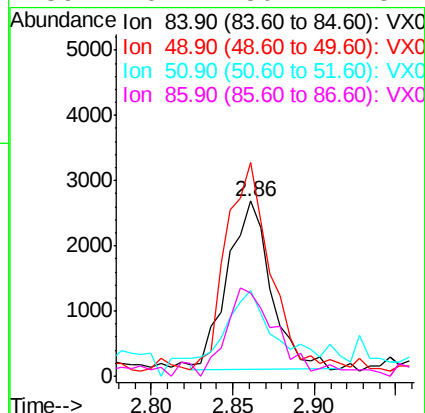
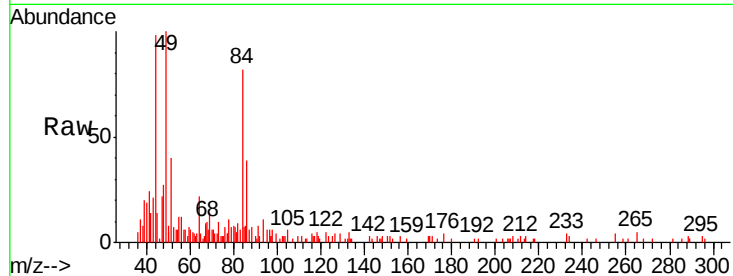




#20
Methylene Chloride
Concen: 0.623 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006820.D
Acq: 26 Dec 2018 16:03

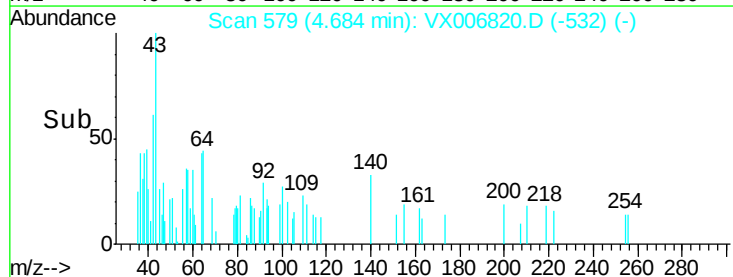
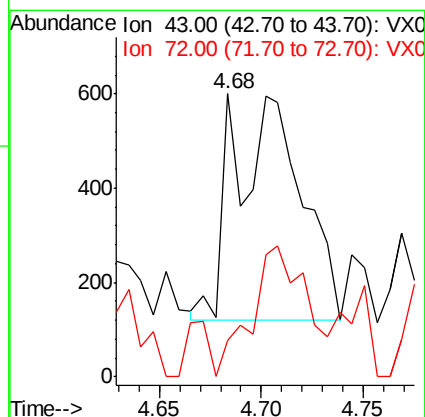
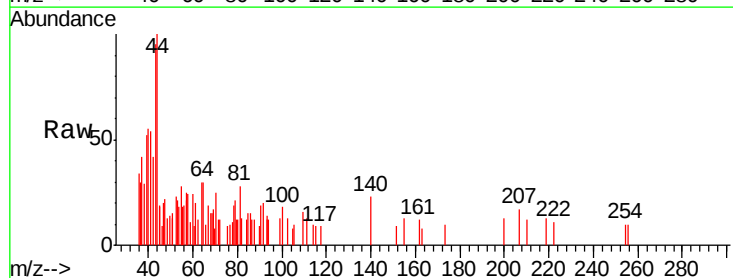
Instrument :
MSVOA_X
ClientSampled :
MW-9

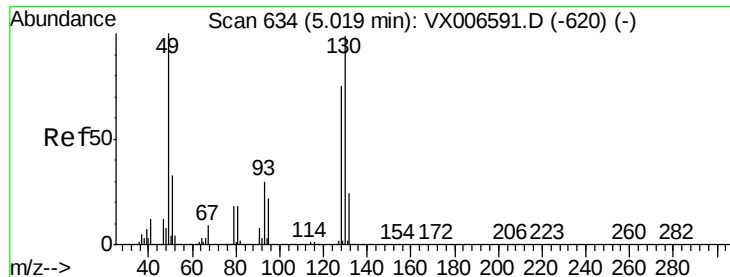
Tgt Ion: 84 Resp: 4806
Ion Ratio Lower Upper
84 100
49 124.2 91.8 137.6
51 40.7 28.5 42.7
86 46.2 50.2 75.2#



#25
2-Butanone
Concen: 0.206 ug/l
RT: 4.68 min Scan# 579
Delta R.T. -0.01 min
Lab File: VX006820.D
Acq: 26 Dec 2018 16:03

Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
72 0.0 22.4 33.6#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

MW-9

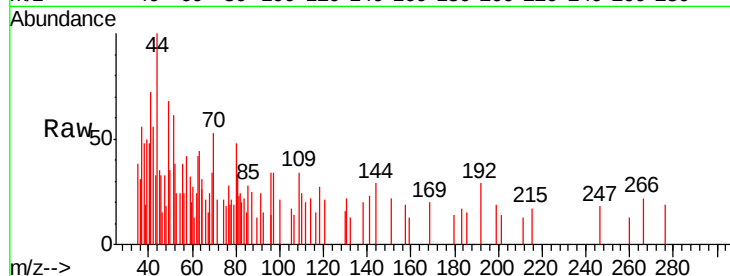
Tgt Ion: 49 Resp: 78

Ion Ratio Lower Upper

49 100

129 32.1 0.0 5.4#

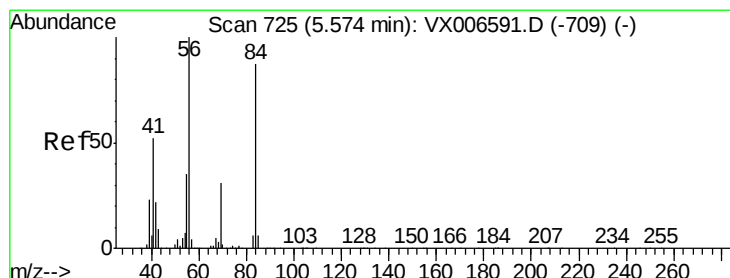
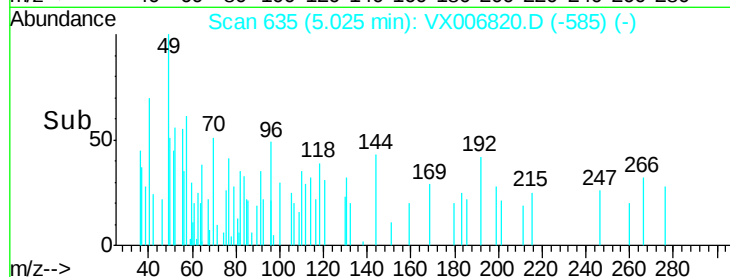
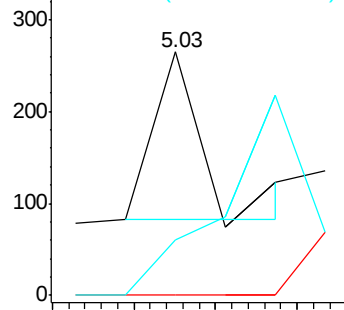
130 202.6 77.7 116.5#



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: 1.108 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

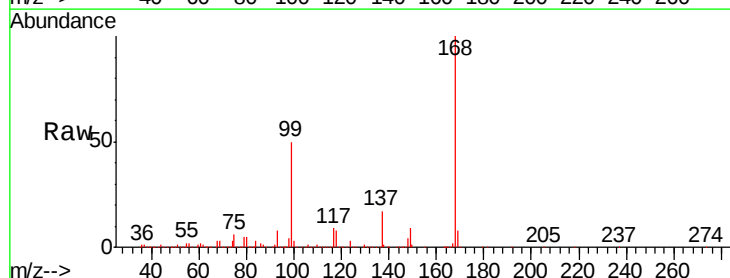
Tgt Ion: 56 Resp: 12461

Ion Ratio Lower Upper

56 100

69 178.7 24.4 36.6#

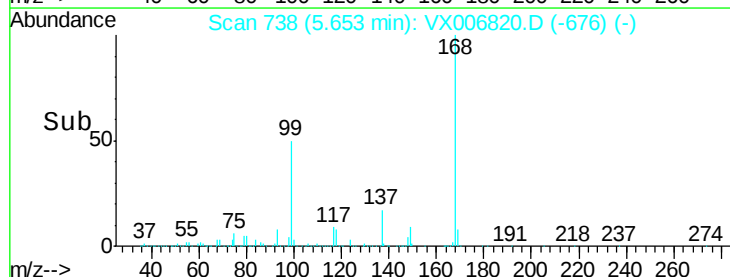
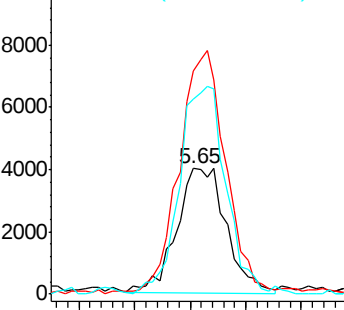
84 156.2 70.0 105.0#

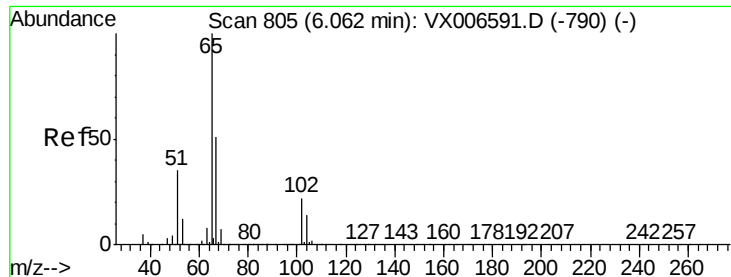


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.242 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

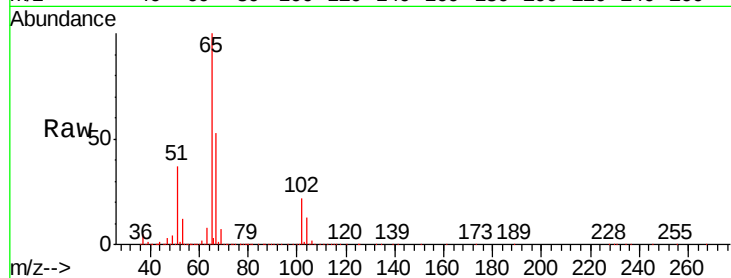
MW-9

Tgt Ion: 65 Resp: 367371

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

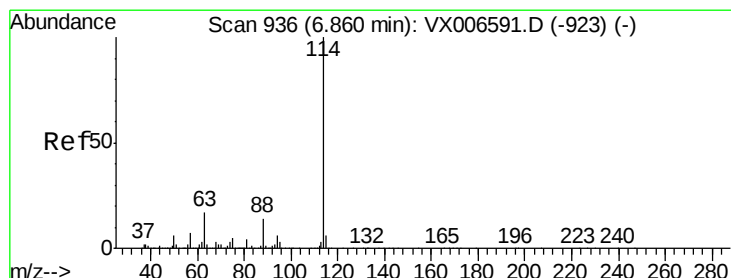
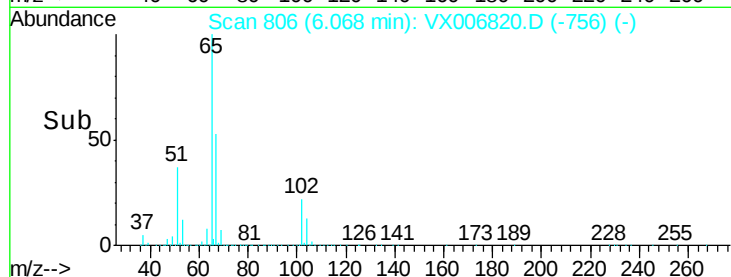
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

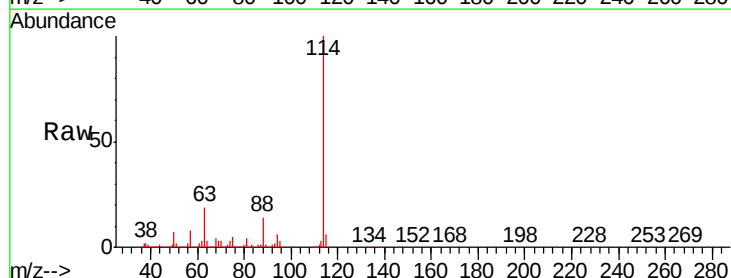
Tgt Ion: 114 Resp: 1096275

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

88 13.8 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

600000

500000

400000

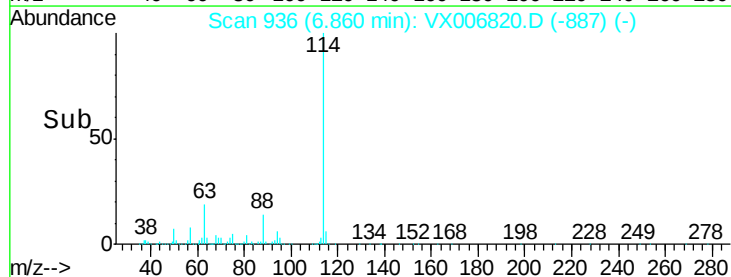
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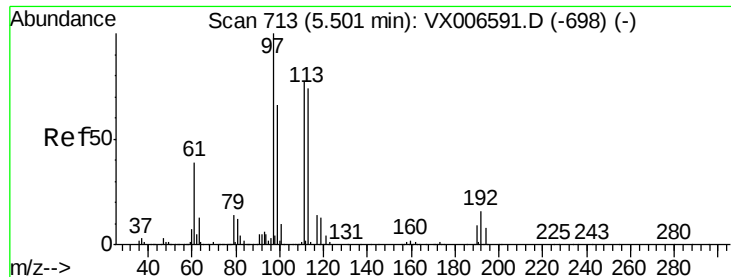
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 46.906 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampled :

MW-9

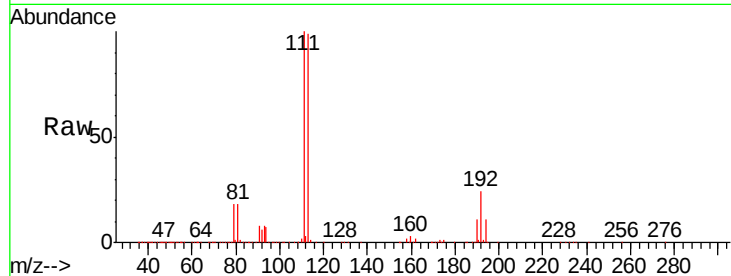
Tgt Ion:113 Resp: 325179

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

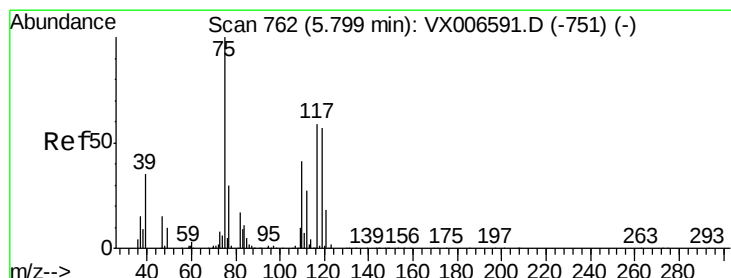
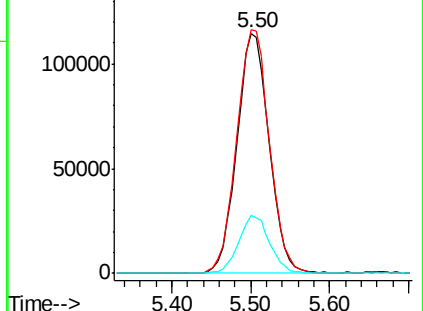
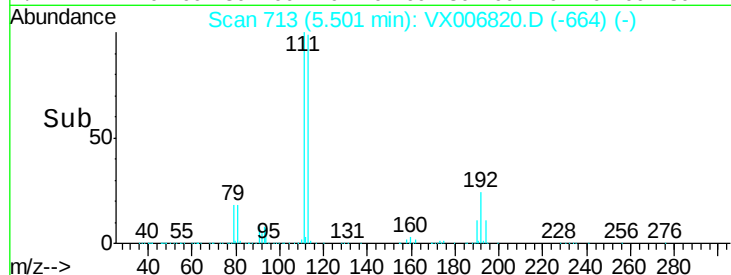
192 23.1 16.7 25.1



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: 5.049 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

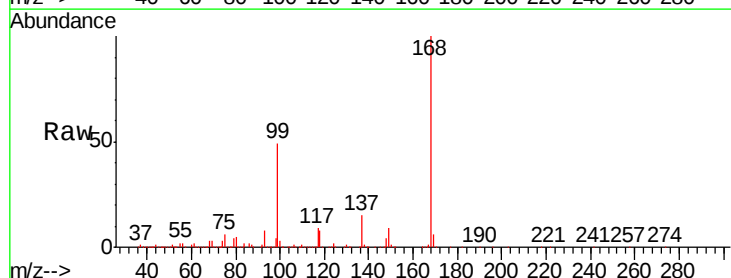
Tgt Ion: 75 Resp: 45844

Ion Ratio Lower Upper

75 100

110 10.8 20.2 60.5#

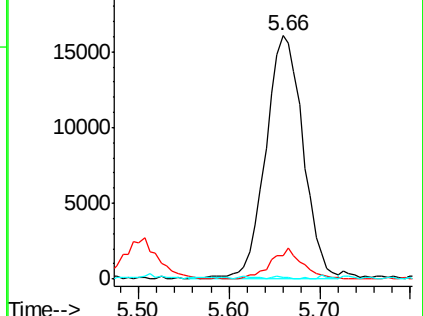
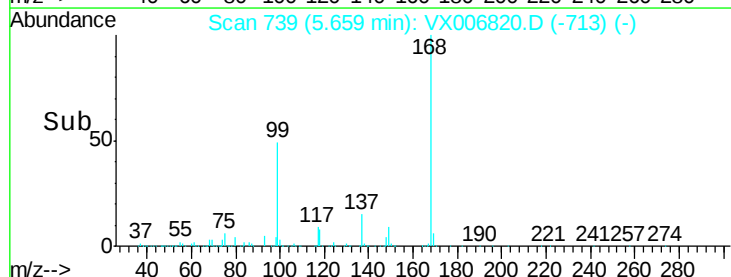
77 0.4 24.8 37.2#

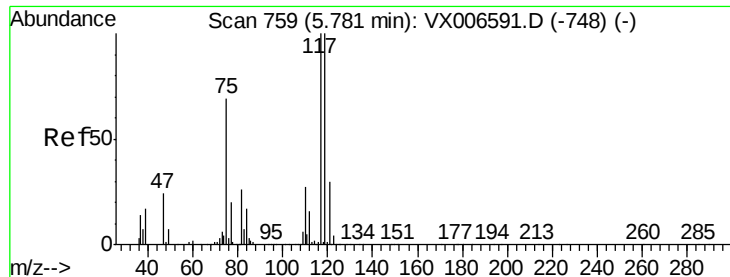


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.517 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

MW-9

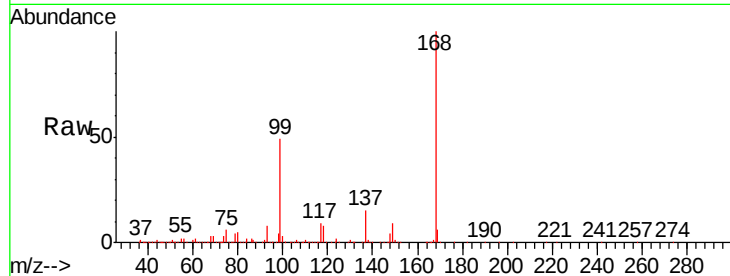
Tgt Ion:117 Resp: 66330

Ion Ratio Lower Upper

117 100

119 4.7 79.4 119.2#

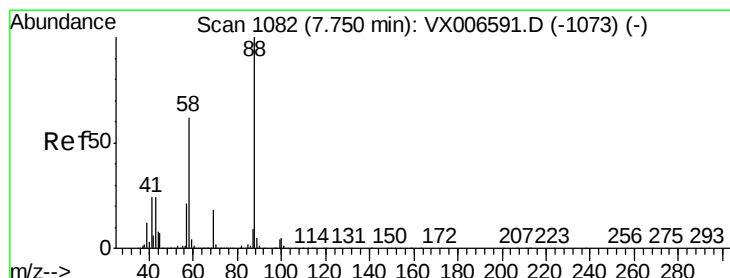
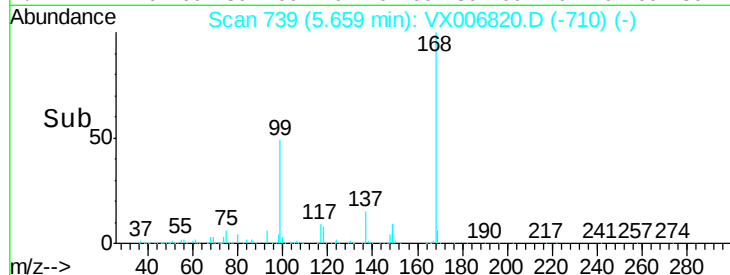
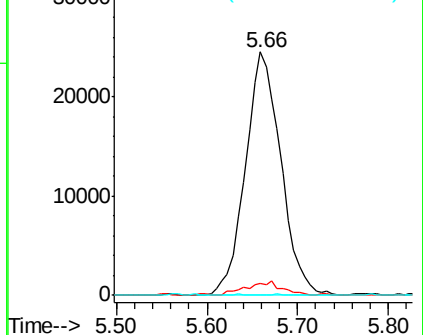
121 0.0 24.0 36.0#



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: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

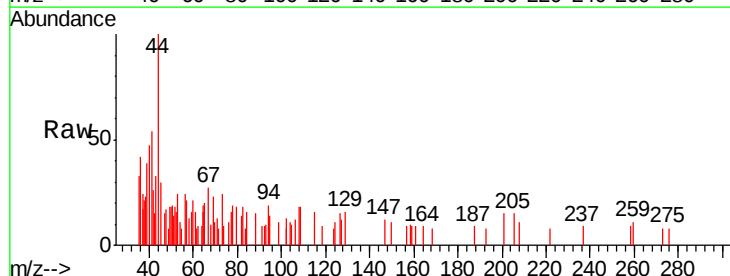
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 676.3 22.2 33.4#

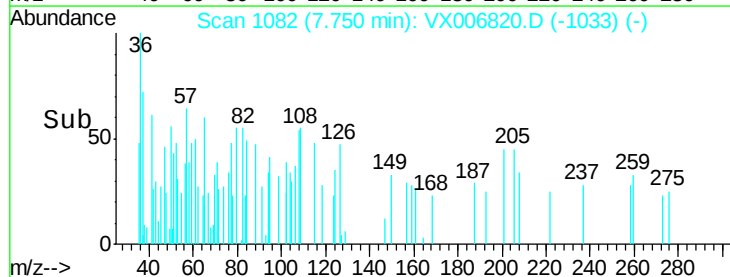
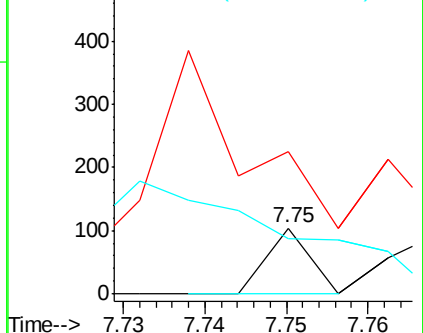
58 0.0 51.0 76.4#

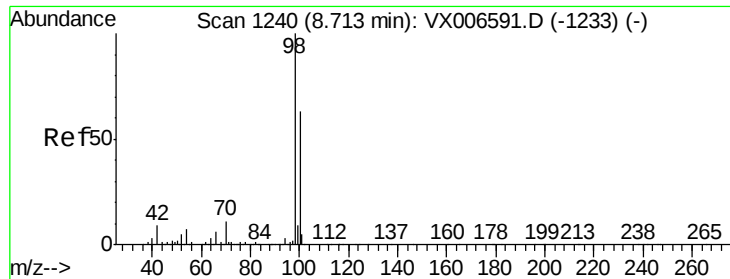


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.300 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

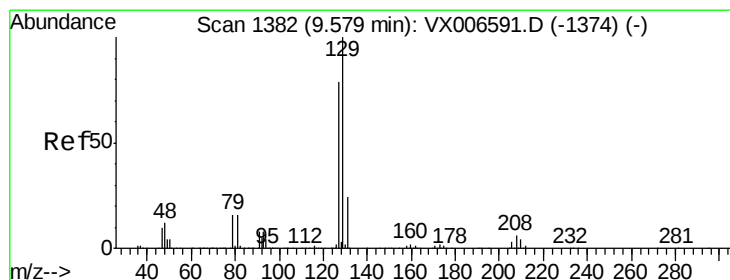
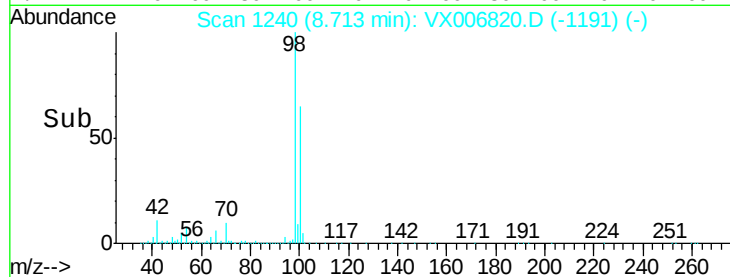
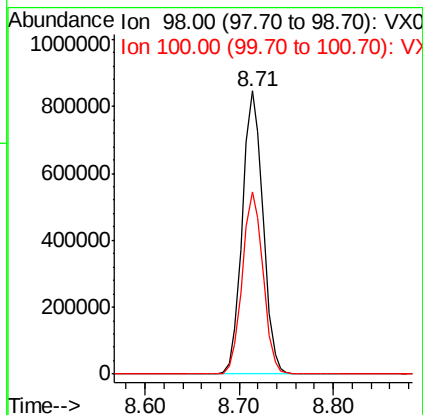
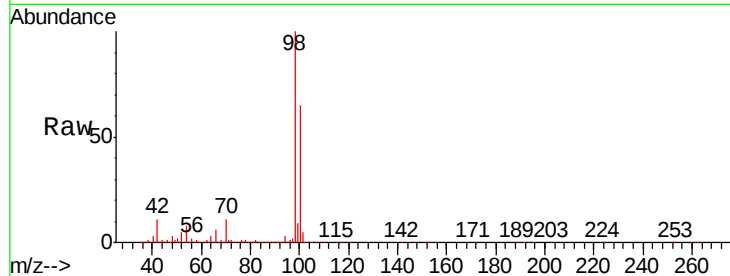
MW-9

Tgt Ion: 98 Resp: 1288507

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#60

Dibromochloromethane

Concen: 2.349 ug/l

RT: 9.40 min Scan# 1353

Delta R.T. -0.18 min

Lab File: VX006820.D

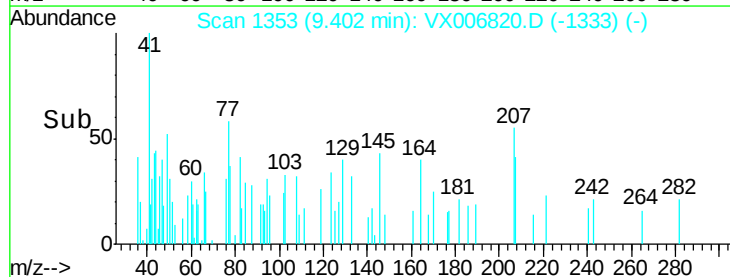
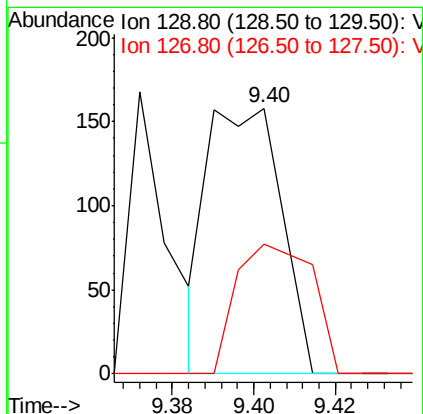
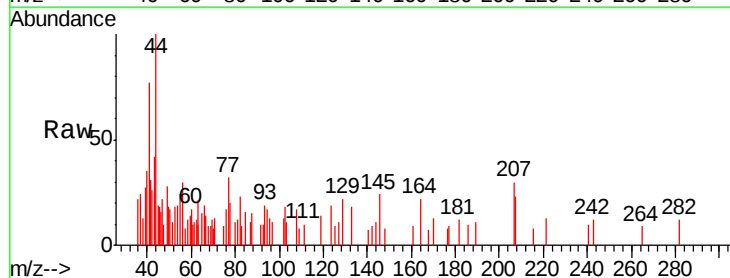
Acq: 26 Dec 2018 16:03

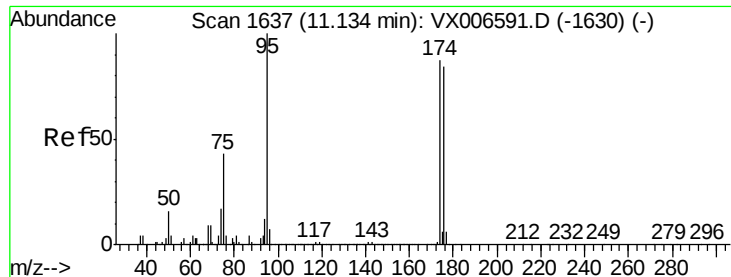
Tgt Ion: 129 Resp: 198

Ion Ratio Lower Upper

129 100

127 51.0 39.3 117.8





#62

4-Bromofluorobenzene

Concen: 49.457 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampled :

MW-9

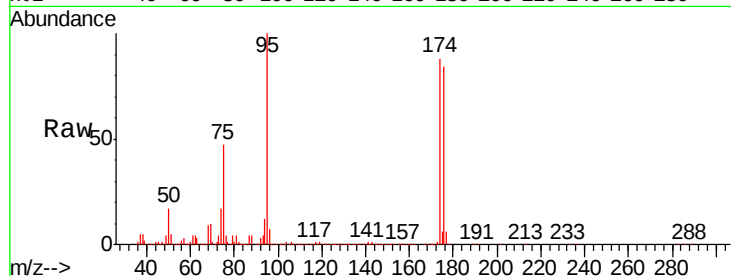
Tgt Ion: 95 Resp: 473415

Ion Ratio Lower Upper

95 100

174 93.8 0.0 182.2

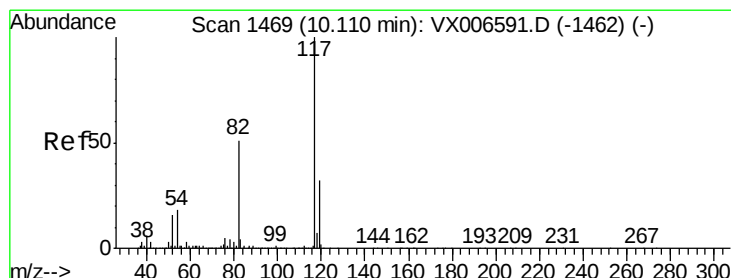
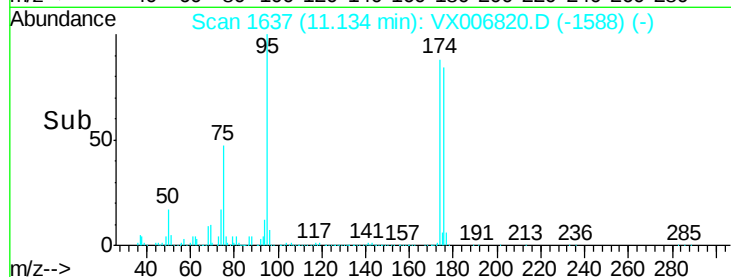
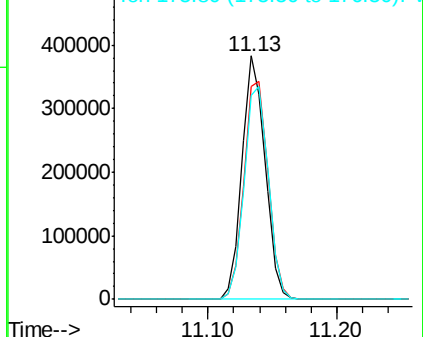
176 91.3 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006820.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006820.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006820.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

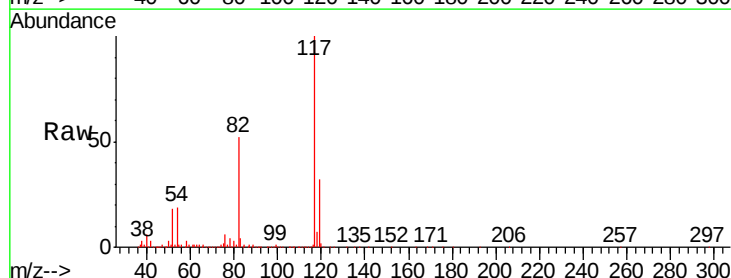
Tgt Ion: 117 Resp: 1009181

Ion Ratio Lower Upper

117 100

82 51.7 41.0 61.6

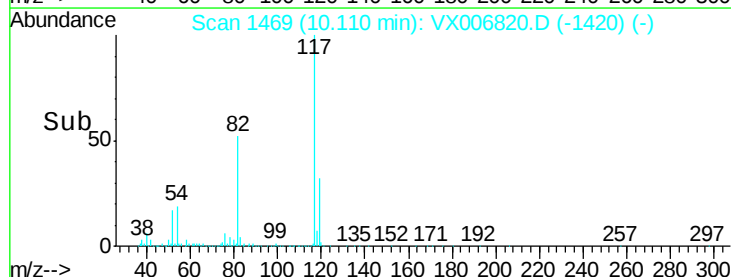
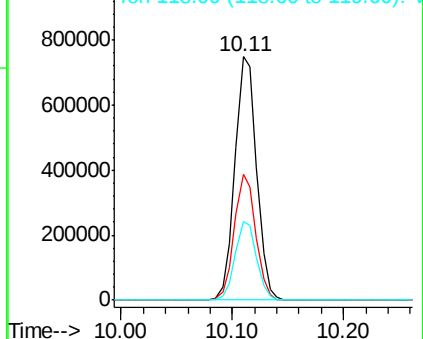
119 32.0 25.4 38.0

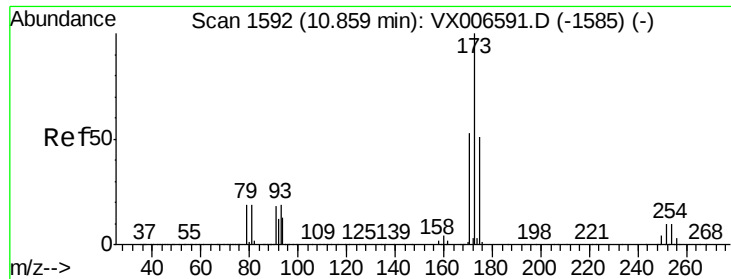


Abundance Ion 116.90 (116.60 to 117.60): VX006820.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006820.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006820.D (-1420) (-)





#71

Bromoform

Concen: 4.479 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.05 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

MW-9

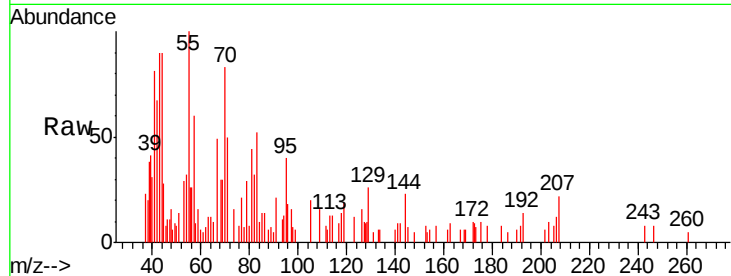
Tgt Ion:173 Resp: 128

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

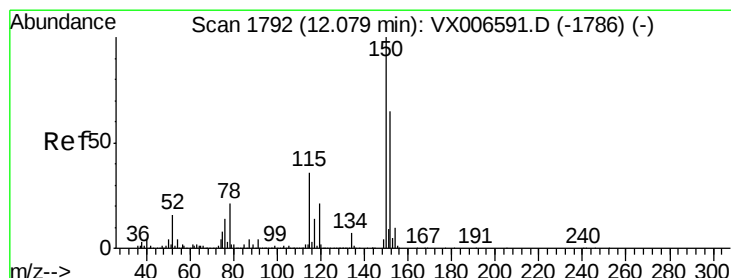
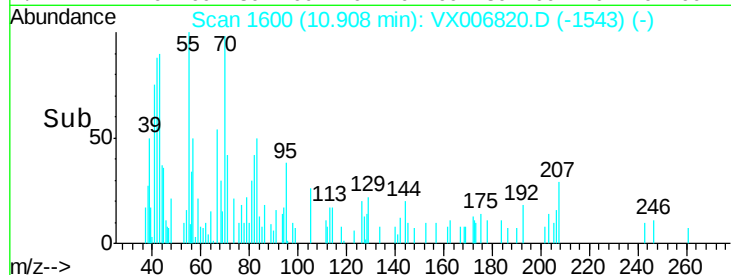
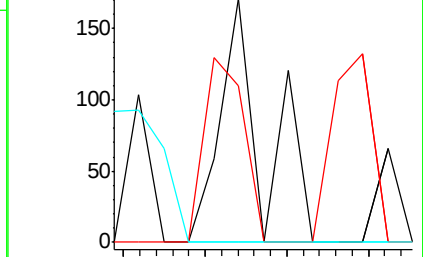
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX006820.D

Acq: 26 Dec 2018 16:03

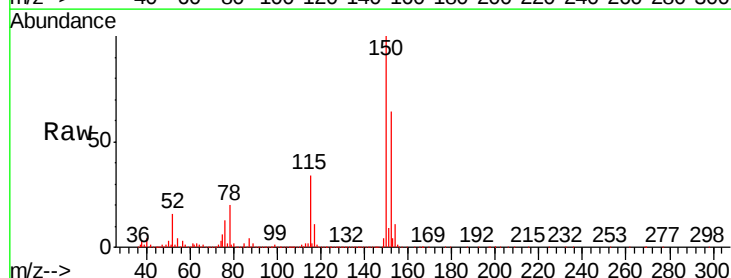
Tgt Ion:152 Resp: 522307

Ion Ratio Lower Upper

152 100

115 54.2 39.1 117.2

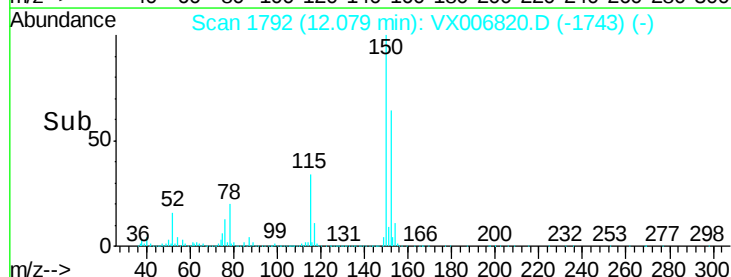
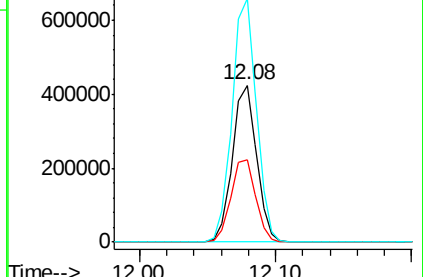
150 156.6 0.0 344.8

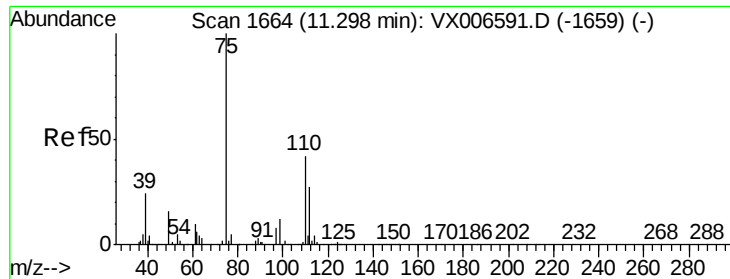


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.290 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampled :

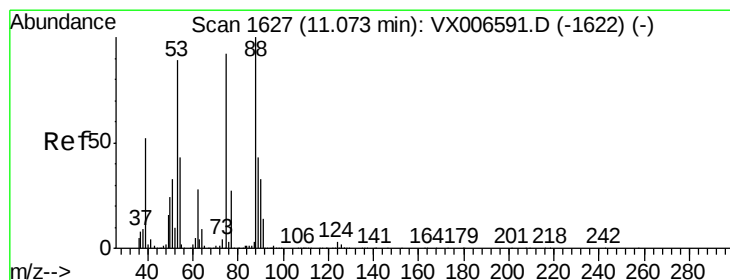
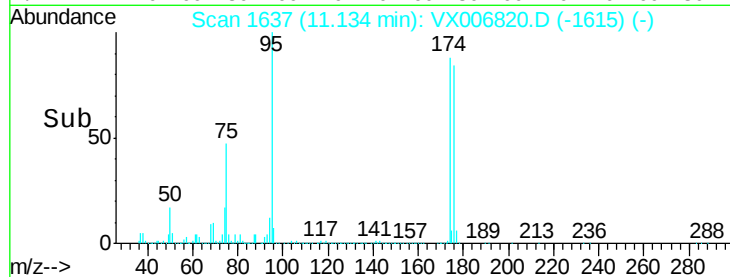
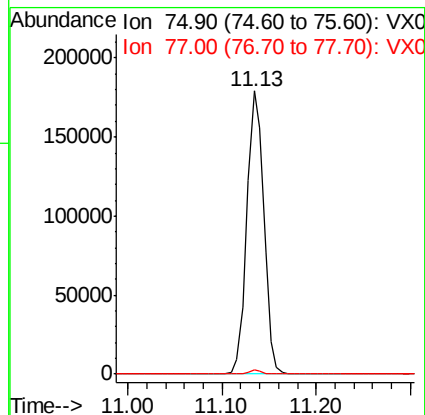
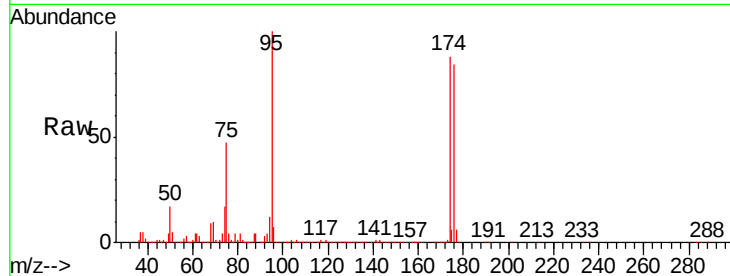
MW-9

Tgt Ion: 75 Resp: 226072

Ion Ratio Lower Upper

75 100

77 1.3 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.112 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

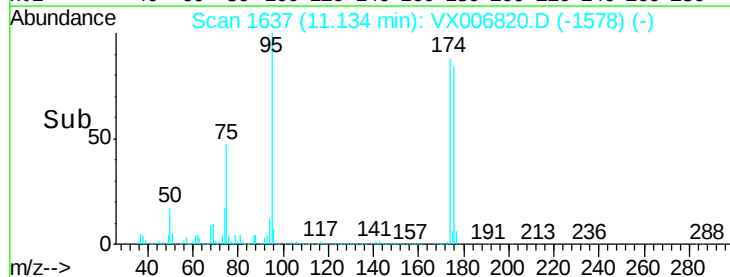
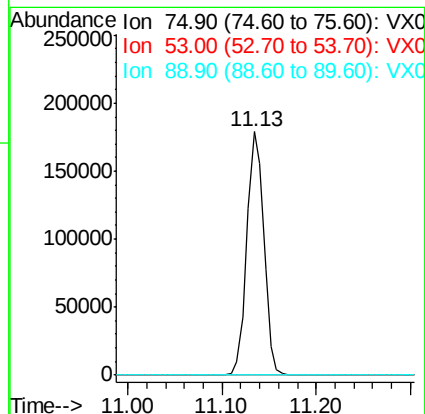
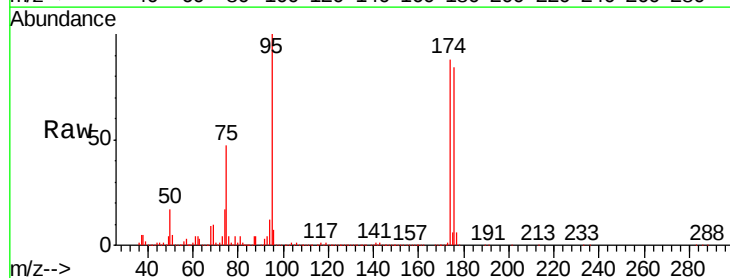
Tgt Ion: 75 Resp: 226072

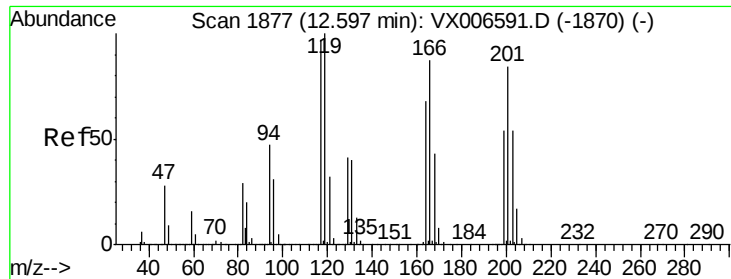
Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 3.311 ug/l

RT: 12.50 min Scan# 1861

Delta R.T. -0.10 min

Lab File: VX006820.D

Acq: 26 Dec 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

MW-9

Tgt Ion:117 Resp: 93

Ion Ratio Lower Upper

117 100

201 64.5 42.9 128.7

