

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011519\
 Data File : VX007050.D
 Acq On : 15 Jan 2019 11:26
 Operator : JC/SP
 Sample : VX0115WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBL01

Quant Time: Jan 16 00:01:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	607060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	934484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	853841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	417086	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	322460	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
35) Dibromofluoromethane	5.50	113	294976	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	8.71	98	1111065	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	391209	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	

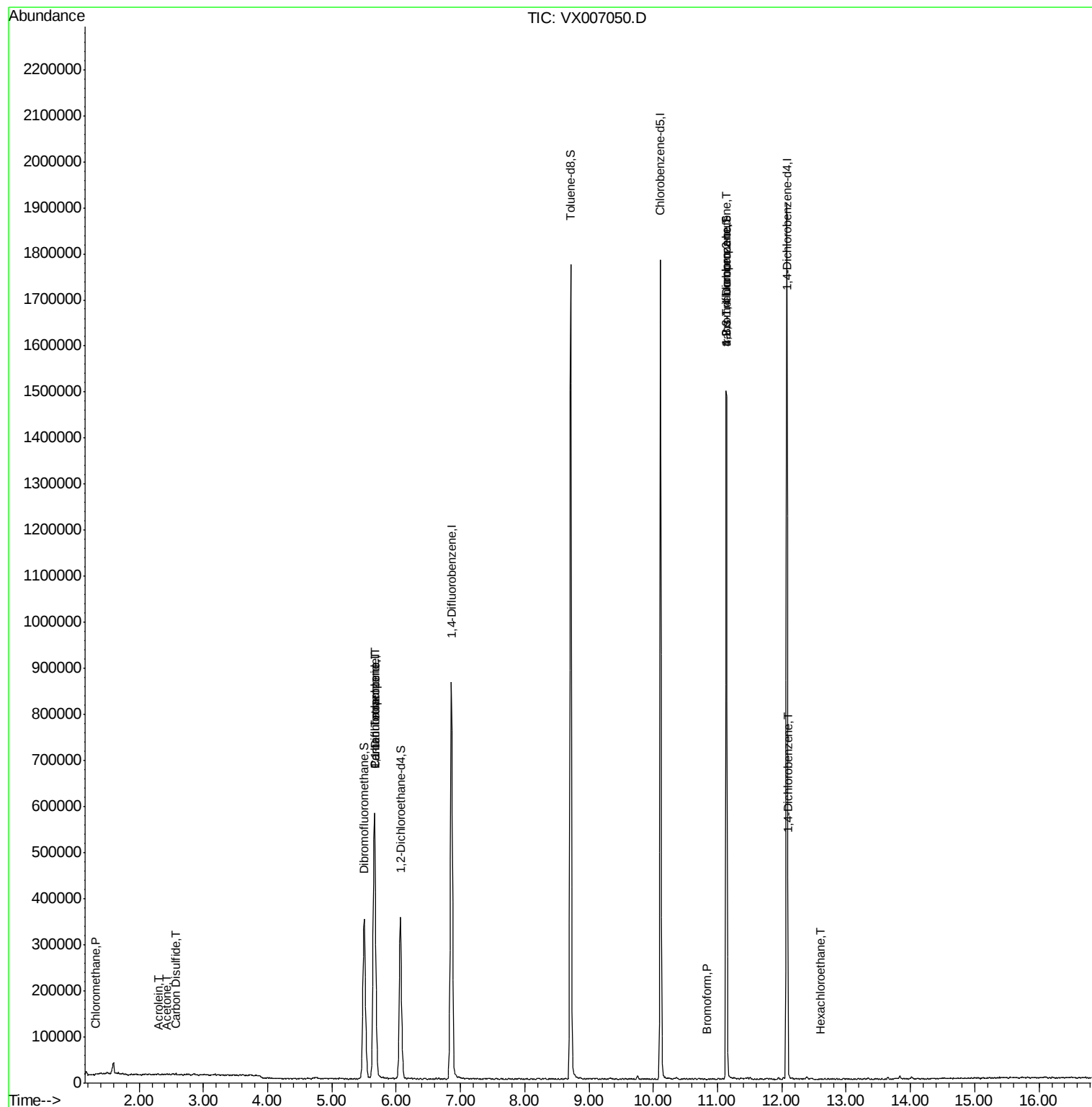
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1481	0.255	ug/l #	82
13) Acrolein	2.31	56	1091	4.754	ug/l #	49
16) Acetone	2.43	43	1210	0.386	ug/l #	85
17) Carbon Disulfide	2.57	76	3344	0.233	ug/l #	82
20) Methylene Chloride	2.86	84	1090	Below Cal		92
36) 1,1-Dichloropropene	5.66	75	38970	4.797	ug/l #	49
38) Carbon Tetrachloride	5.67	117	55673	6.811	ug/l #	14
49) 1,4-Dioxane	7.76	88	658	Below Cal	#	38
71) Bromoform	10.85	173	176	4.756	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	181897	21.521	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	181897	63.816	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	1893	0.281	ug/l #	1
90) Hexachloroethane	12.60	117	74	2.925	ug/l	62

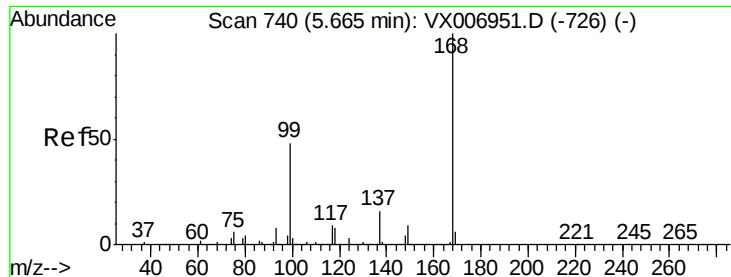
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 16 00:01:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

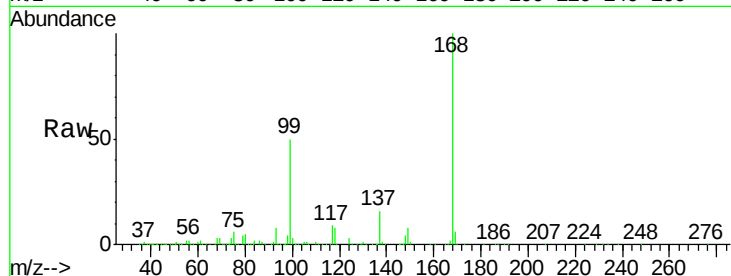
VX0115WBL01

Tot Ion:168 Resp: 607060

Ion Ratio Lower Upper

168 100

99 49.7 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

200000

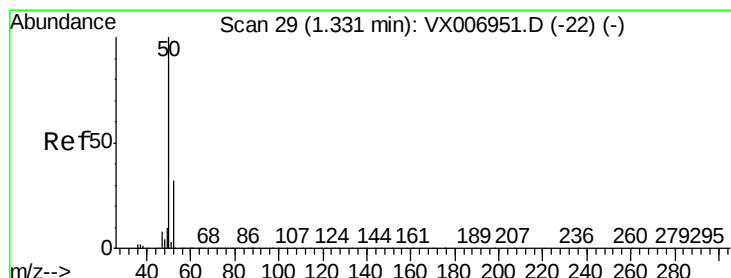
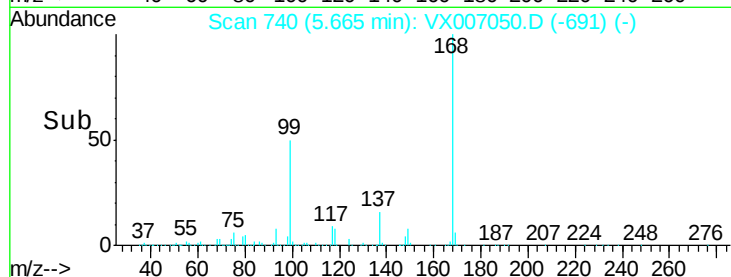
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.255 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007050.D

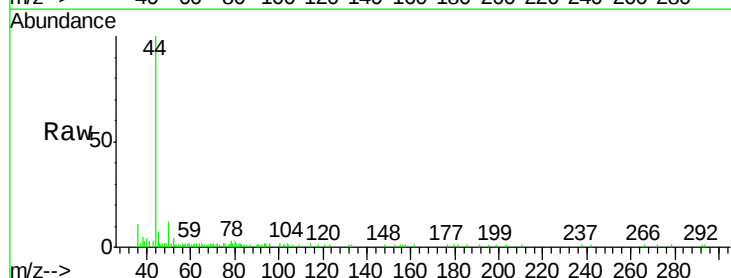
Acq: 15 Jan 2019 11:26

Tgt Ion: 50 Resp: 1481

Ion Ratio Lower Upper

50 100

52 21.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

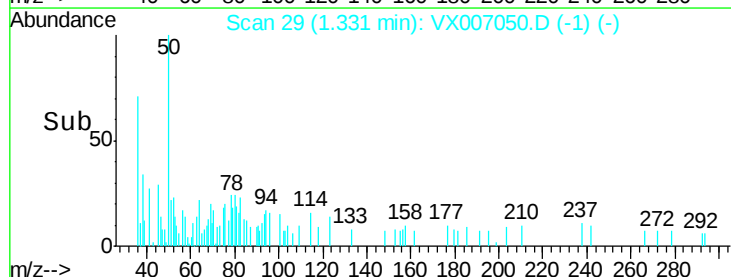
600

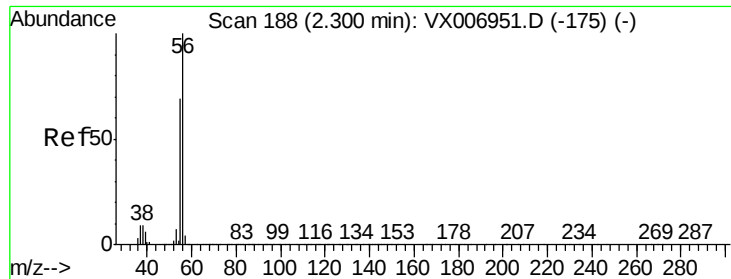
400

200

0

Time-->





#13

Acrolein

Concen: 4.754 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

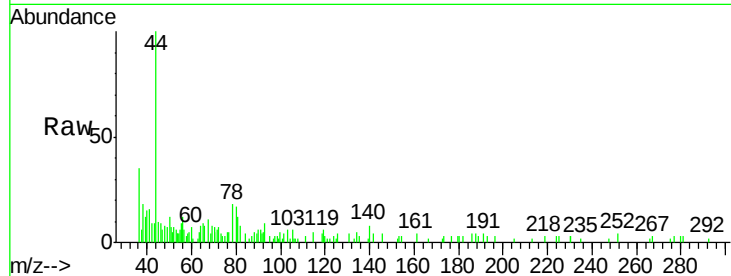
VX0115WBL01

Tot Ion: 56 Resp: 1091

Ion Ratio Lower Upper

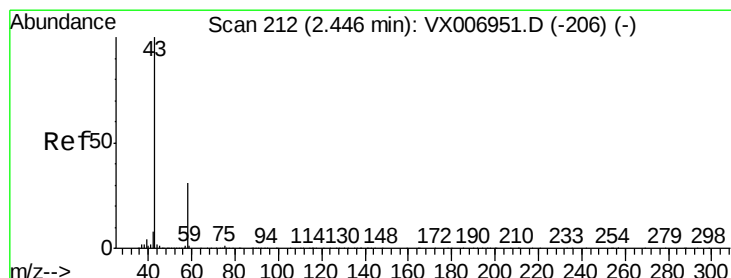
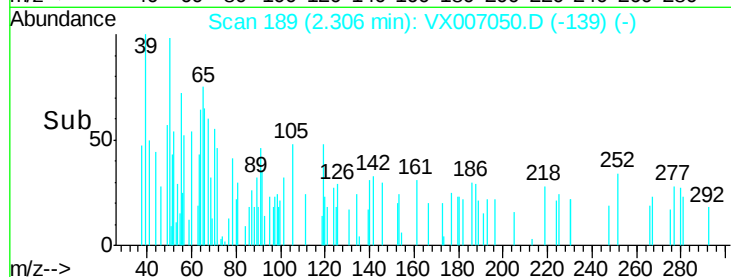
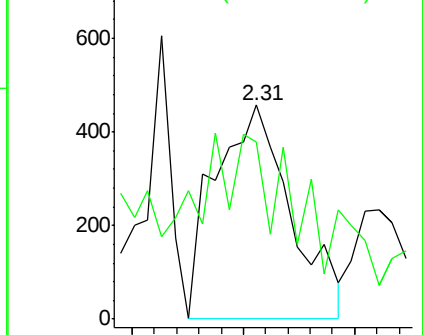
56 100

55 29.8 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.386 ug/l

RT: 2.43 min Scan# 209

Delta R.T. -0.02 min

Lab File: VX007050.D

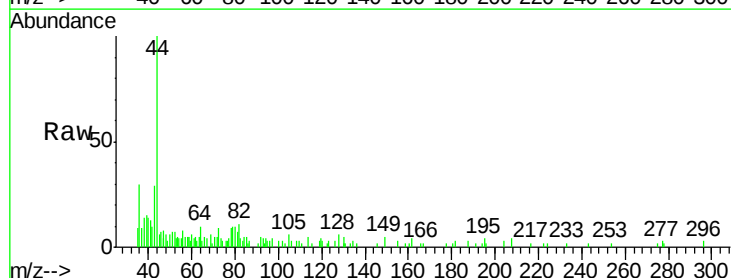
Acq: 15 Jan 2019 11:26

Tgt Ion: 43 Resp: 1210

Ion Ratio Lower Upper

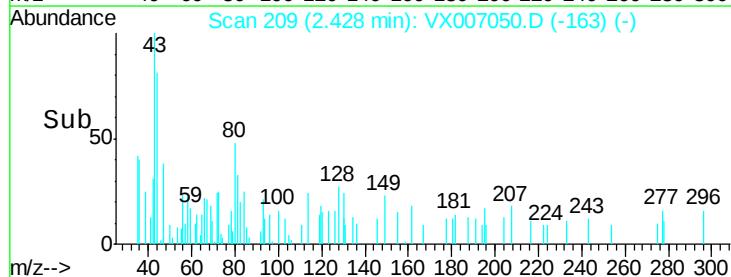
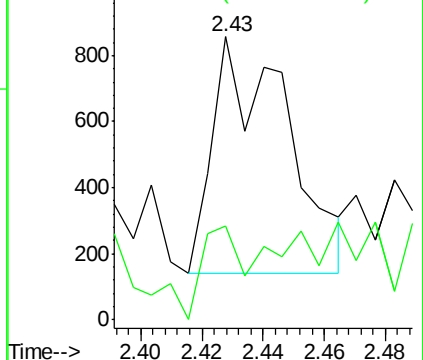
43 100

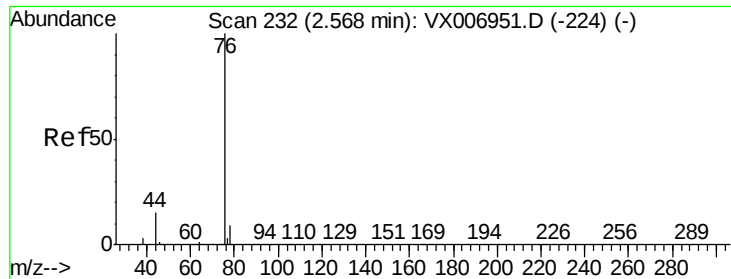
58 39.5 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.233 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

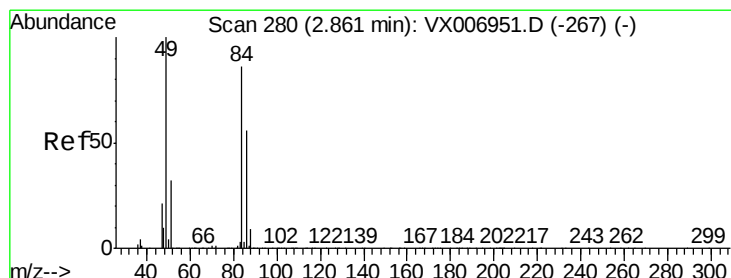
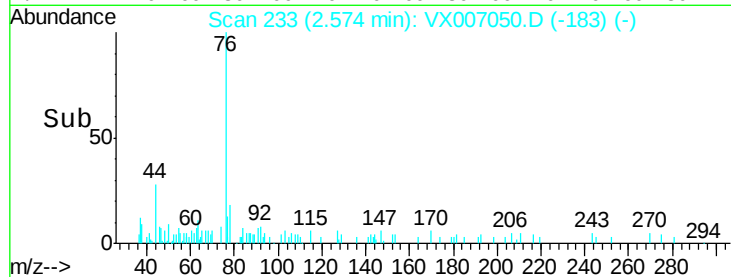
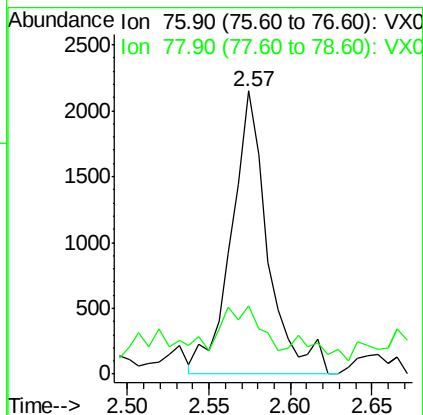
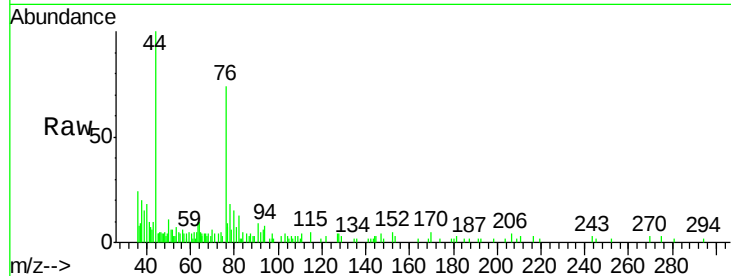
VX0115WBL01

Tot Ion: 76 Resp: 3344

Ion Ratio Lower Upper

76 100

78 15.2 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Tgt Ion: 84 Resp: 1090

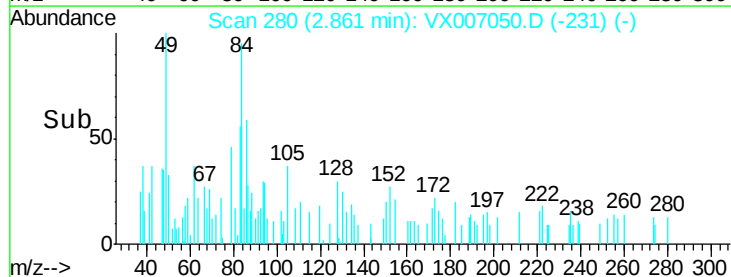
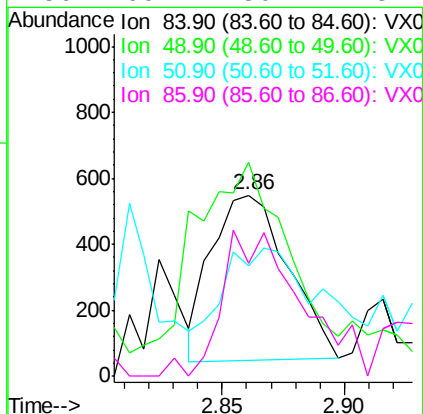
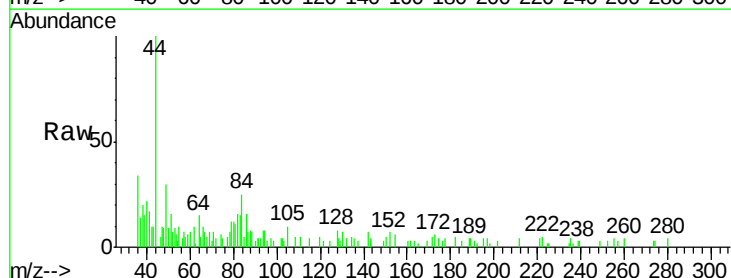
Ion Ratio Lower Upper

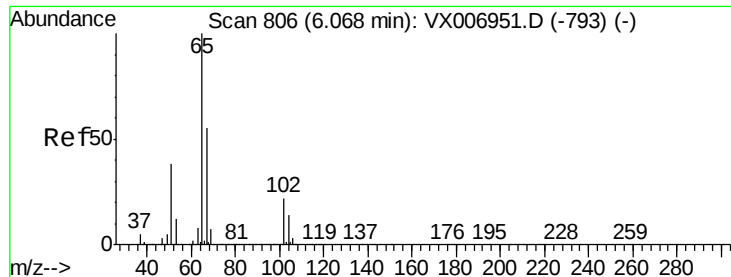
84 100

49 106.9 91.8 137.6

51 40.0 28.5 42.7

86 69.4 50.2 75.2





#33

1,2-Dichloroethane-d4

Concen: 50.827 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

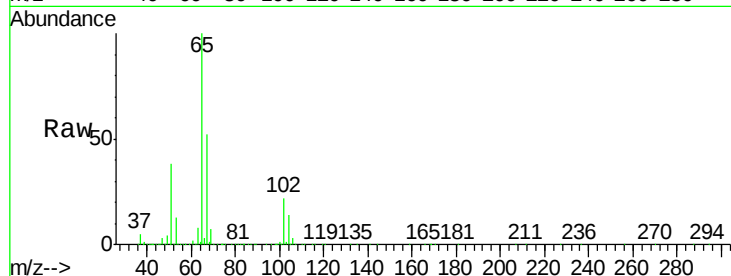
VX0115WBL01

Tot Ion: 65 Resp: 322460

Ion Ratio Lower Upper

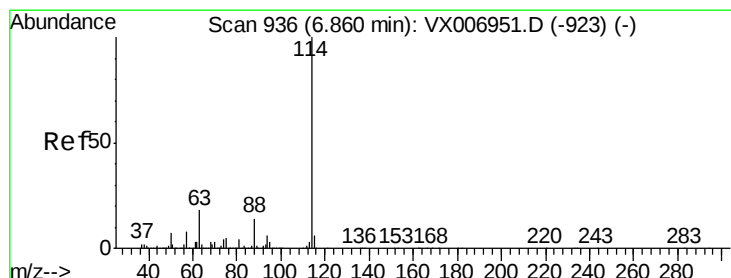
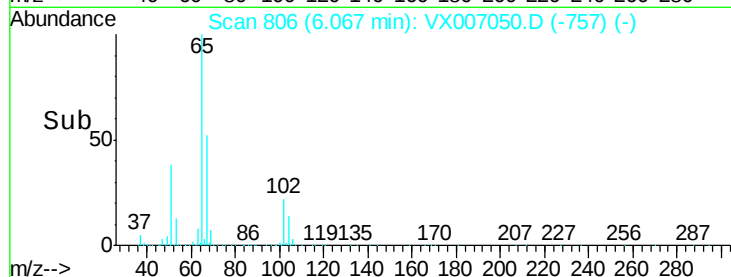
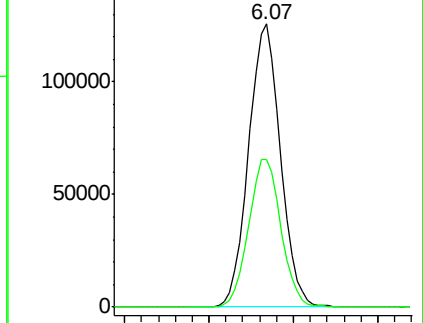
65 100

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



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

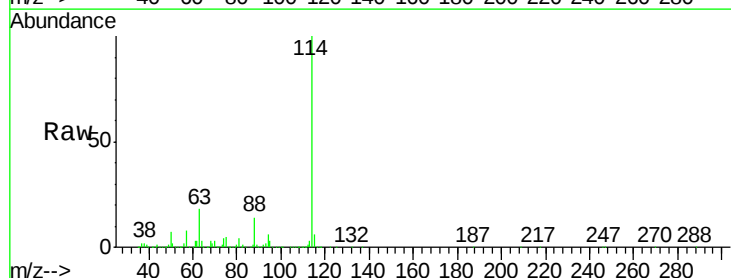
Tgt Ion: 114 Resp: 934484

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.8

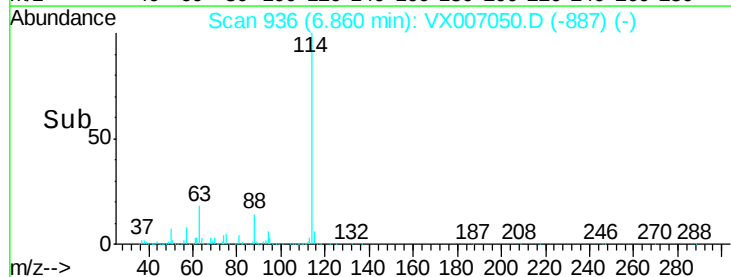
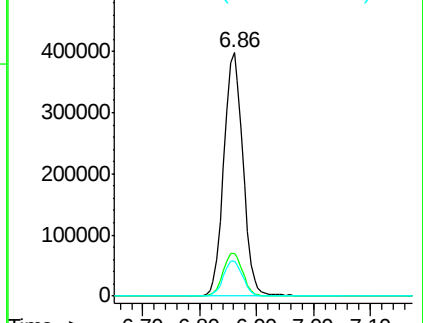
88 14.3 0.0 28.8

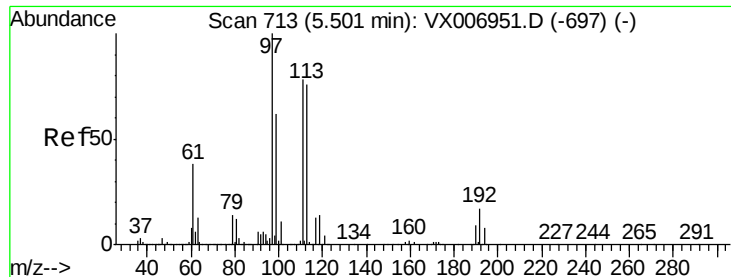


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.291 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBL01

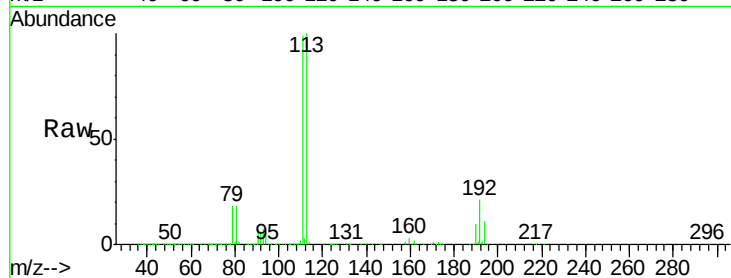
Tot Ion:113 Resp: 294976

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

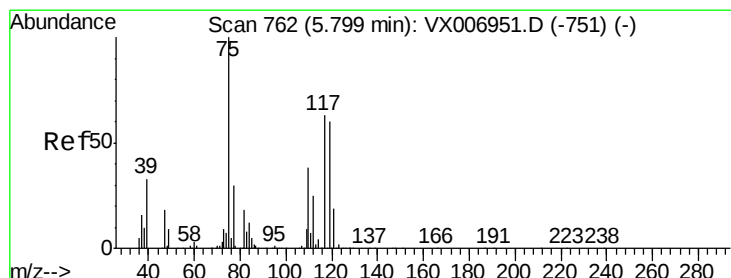
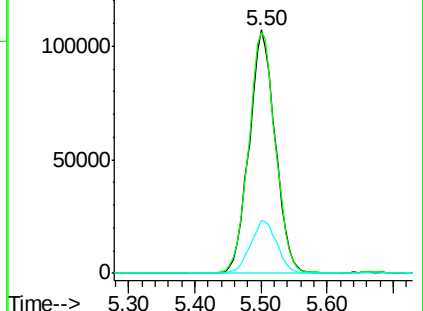
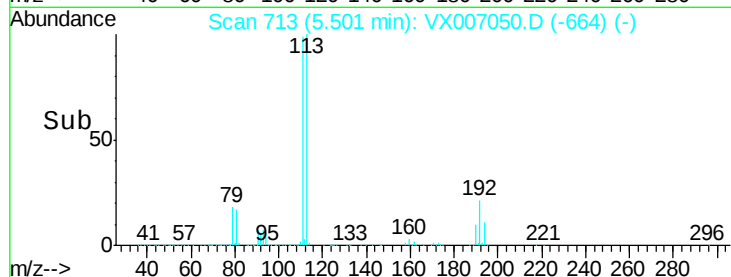
192 22.0 16.7 25.1



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: 4.797 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

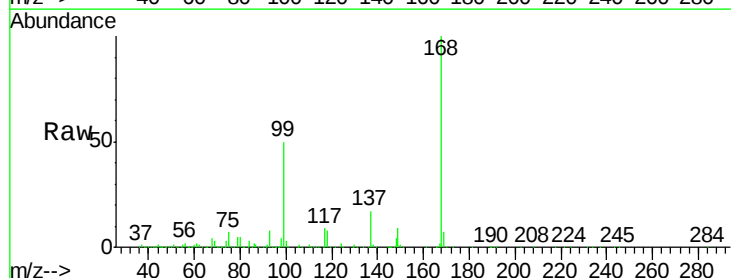
Tgt Ion: 75 Resp: 38970

Ion Ratio Lower Upper

75 100

110 10.1 20.2 60.5#

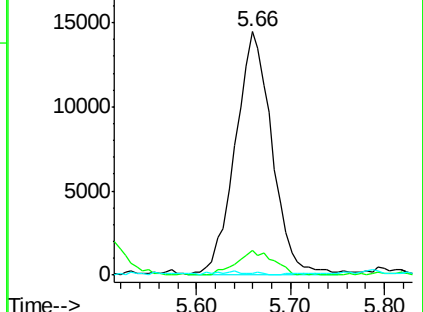
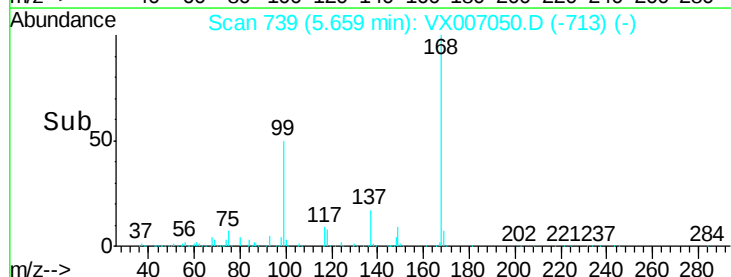
77 0.7 24.8 37.2#

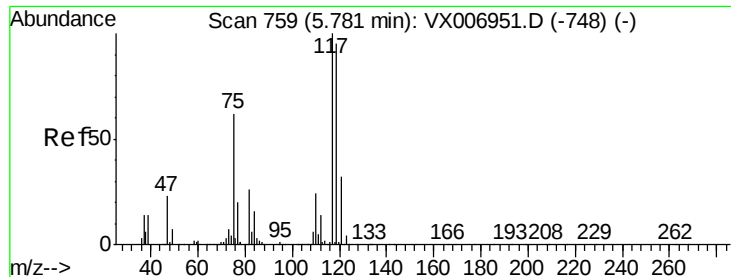


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.811 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0115WBL01

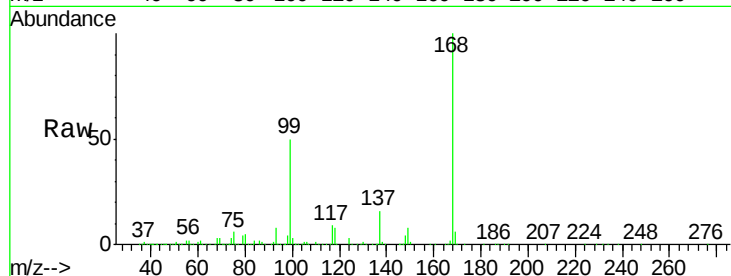
Tot Ion:117 Resp: 55673

Ion Ratio Lower Upper

117 100

119 4.5 79.4 119.2#

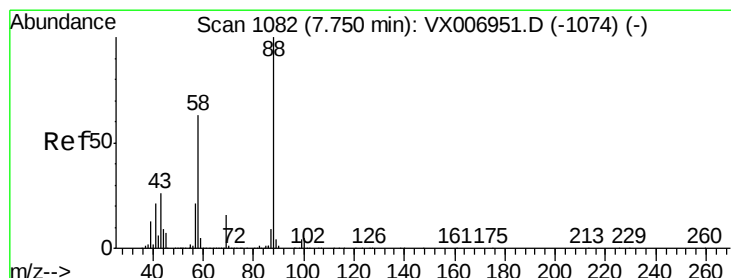
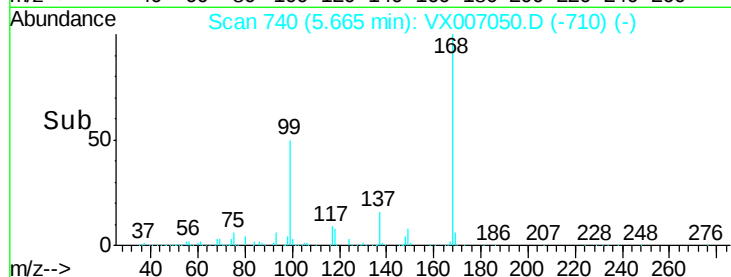
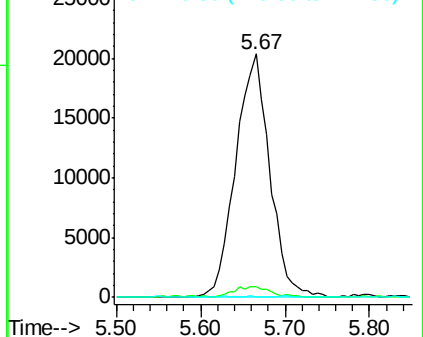
121 0.0 24.0 36.0#



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: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

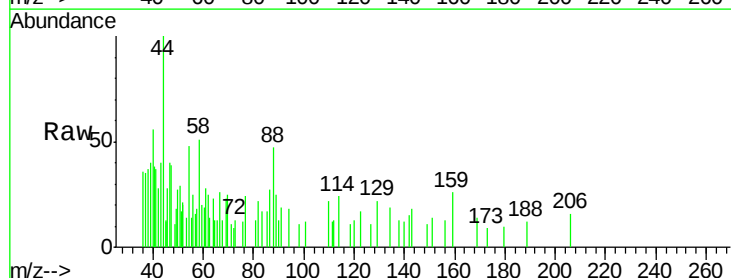
Tgt Ion: 88 Resp: 658

Ion Ratio Lower Upper

88 100

43 84.7 22.2 33.4#

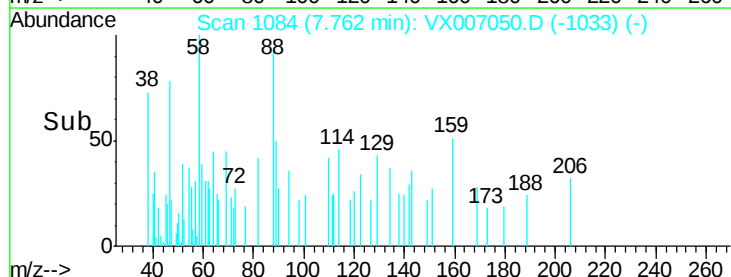
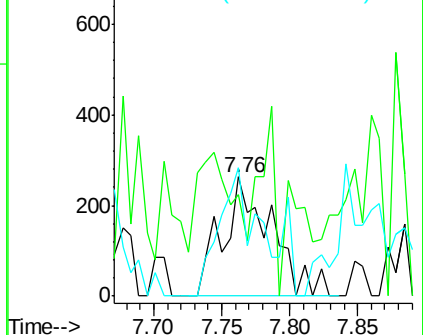
58 96.5 51.0 76.4#

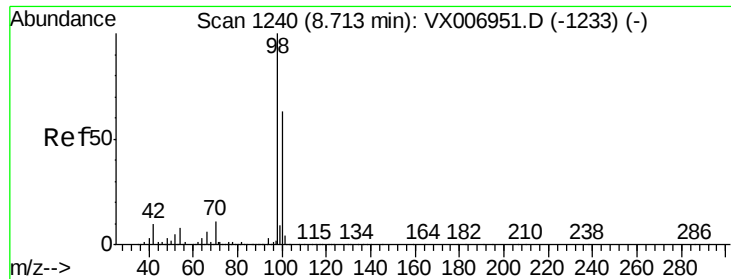


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.723 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

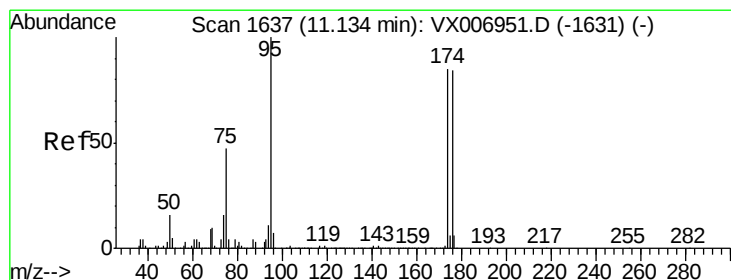
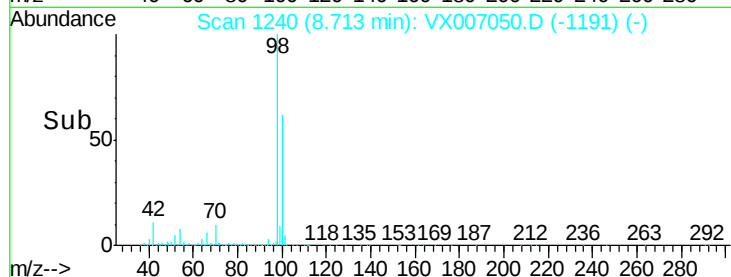
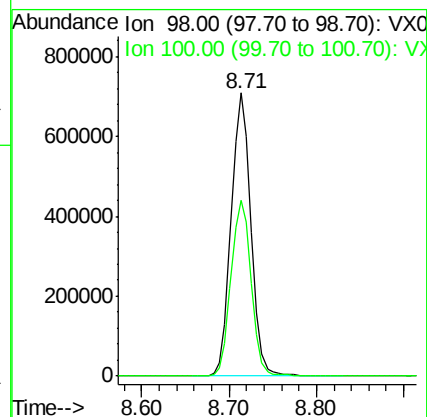
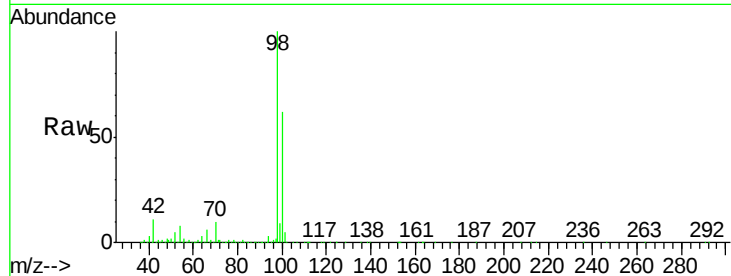
VX0115WBL01

Tot Ion: 98 Resp: 1111065

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.229 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

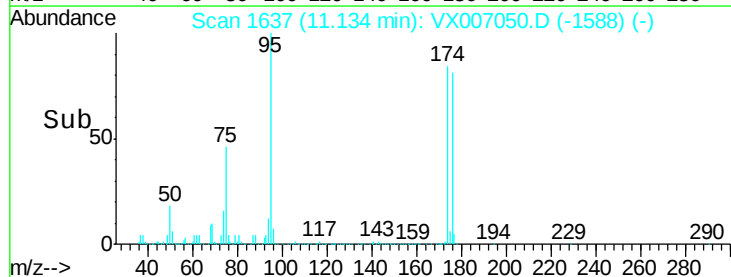
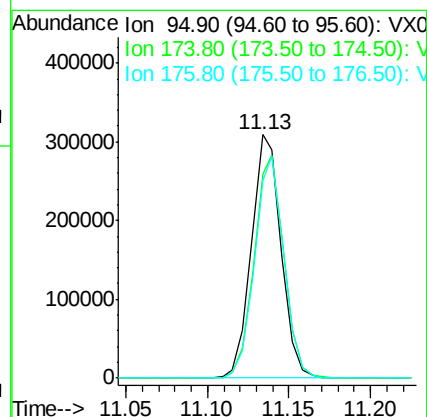
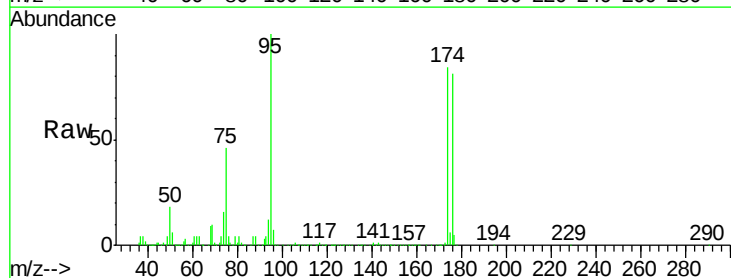
Tgt Ion: 95 Resp: 391209

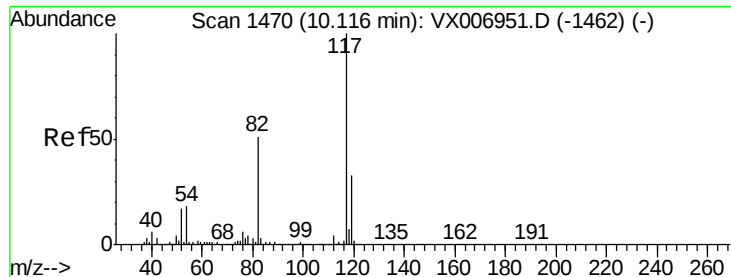
Ion Ratio Lower Upper

95 100

174 92.0 0.0 182.2

176 89.6 0.0 178.8

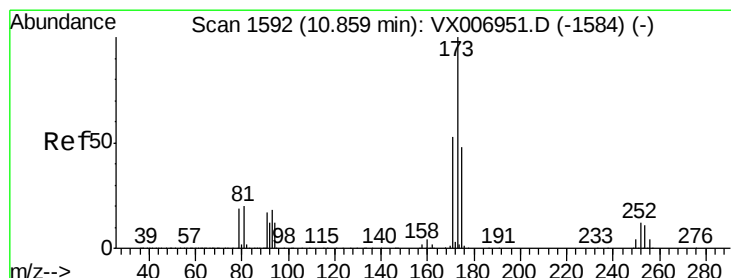
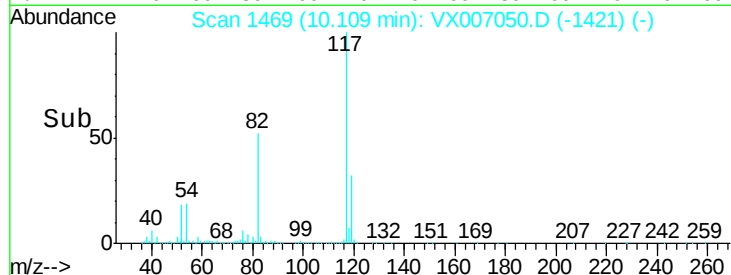
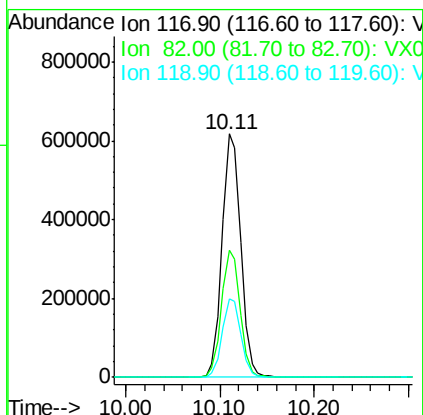
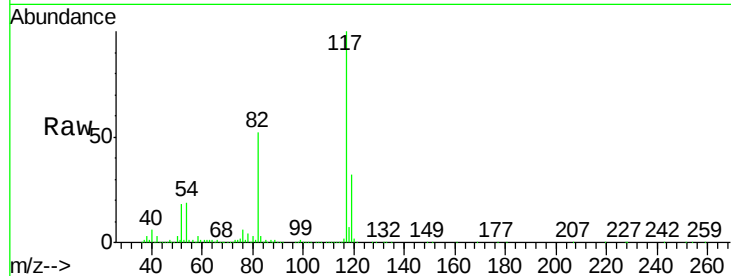




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007050.D
Acq: 15 Jan 2019 11:26

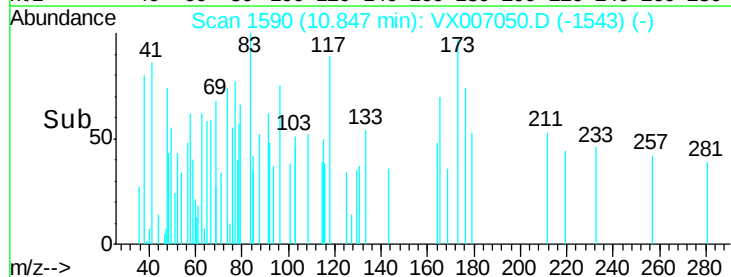
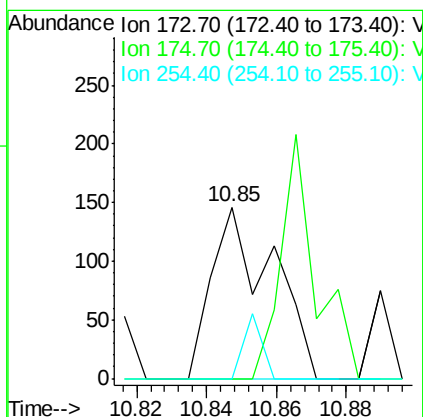
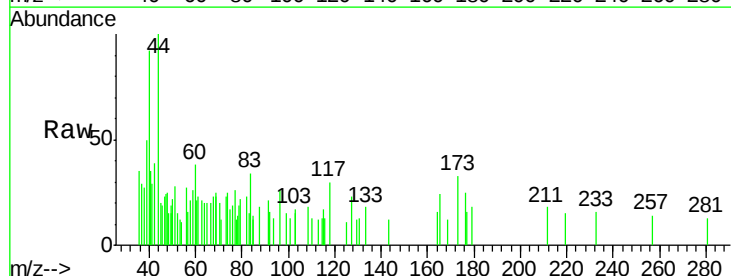
Instrument :
MSVOA_X
ClientSampleId :
VX0115WBL01

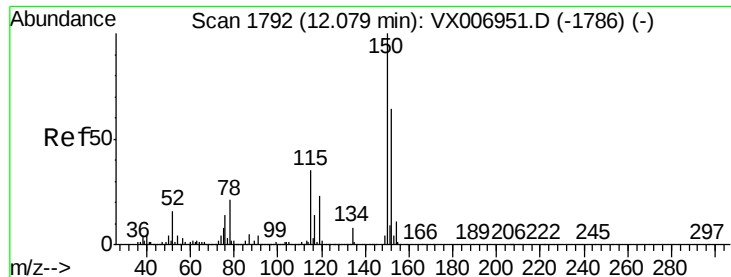
Tot Ion:117 Resp: 853841
Ion Ratio Lower Upper
117 100
82 52.1 41.0 61.6
119 32.2 25.4 38.0



#71
Bromoform
Concen: 4.756 ug/l
RT: 10.85 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VX007050.D
Acq: 15 Jan 2019 11:26

Tgt Ion:173 Resp: 176
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 11.4 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBL01

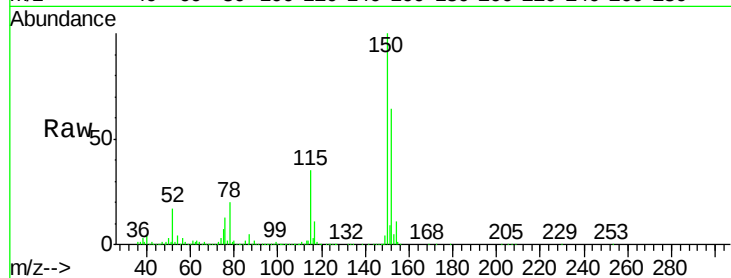
Tot Ion:152 Resp: 417086

Ion Ratio Lower Upper

152 100

115 55.2 39.1 117.2

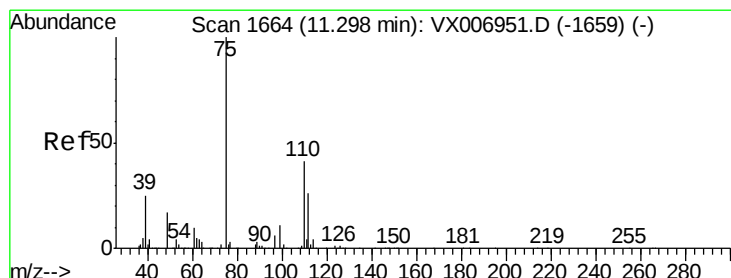
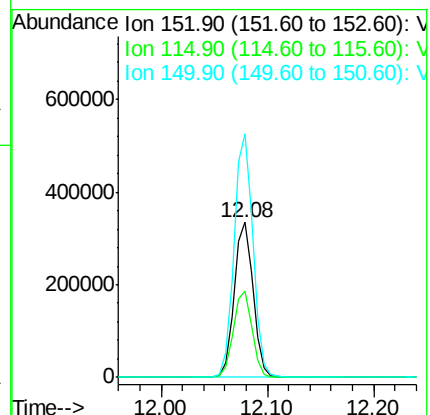
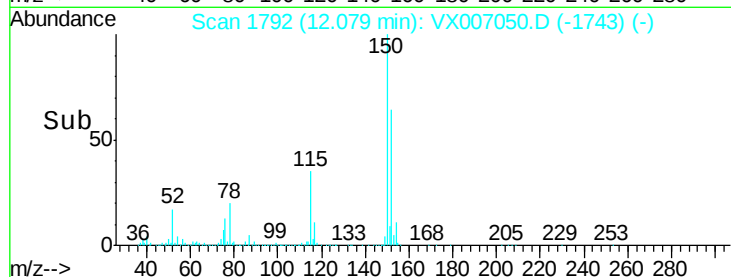
150 156.9 0.0 344.8



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: 21.521 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007050.D

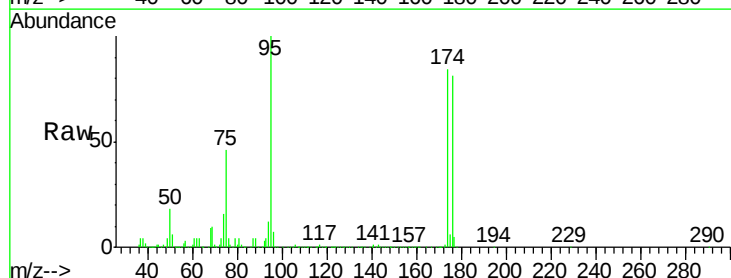
Acq: 15 Jan 2019 11:26

Tgt Ion: 75 Resp: 181897

Ion Ratio Lower Upper

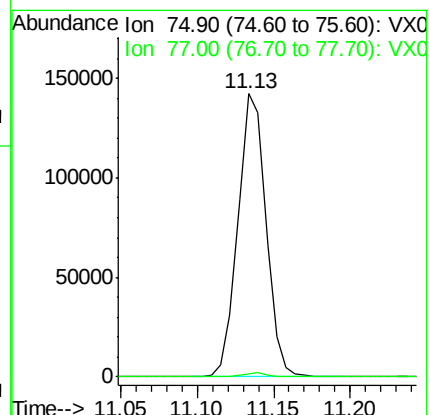
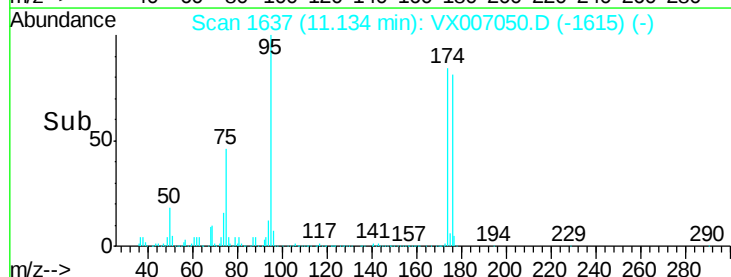
75 100

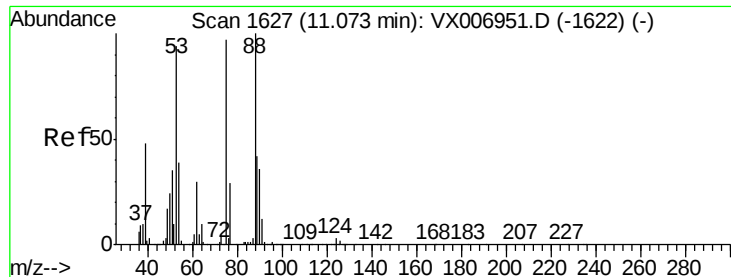
77 1.4 18.5 55.5#



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: 63.816 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBL01

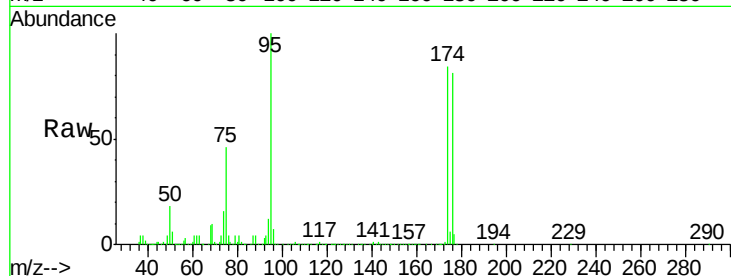
Tot Ion: 75 Resp: 181897

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

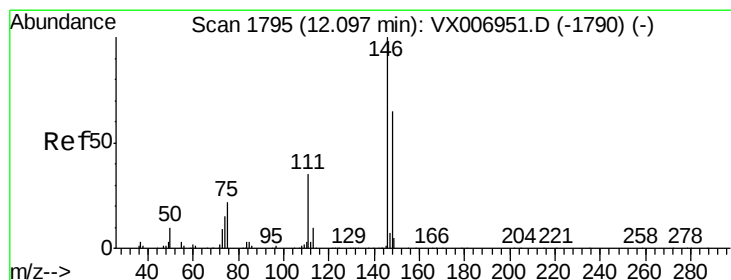
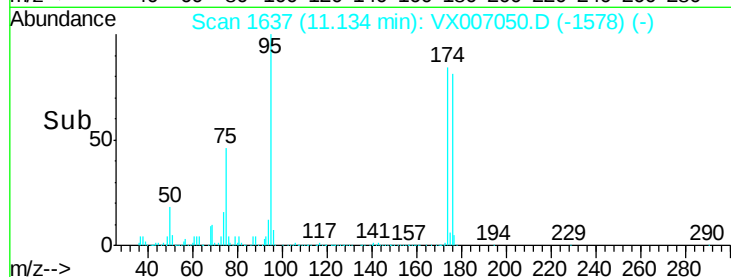
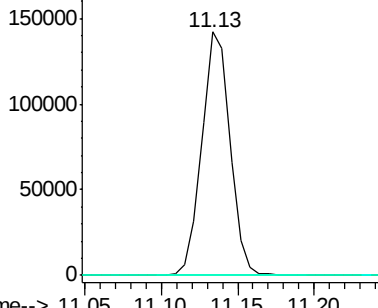
89 0.1 38.0 57.0#



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



#88

1,4-Dichlorobenzene

Concen: 0.281 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

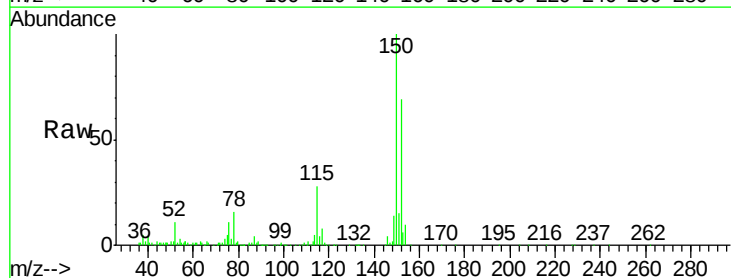
Tgt Ion: 146 Resp: 1893

Ion Ratio Lower Upper

146 100

111 287.1 18.1 54.1#

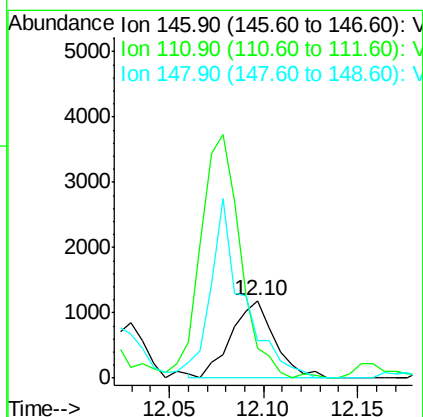
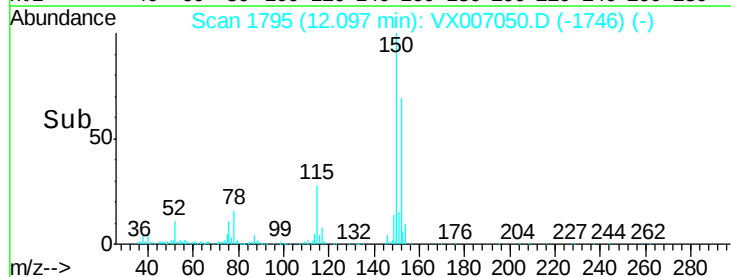
148 177.8 31.9 95.9#

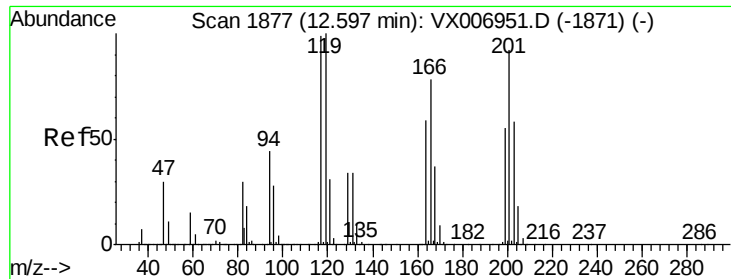


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 2.925 ug/l

RT: 12.60 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX007050.D

Acq: 15 Jan 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

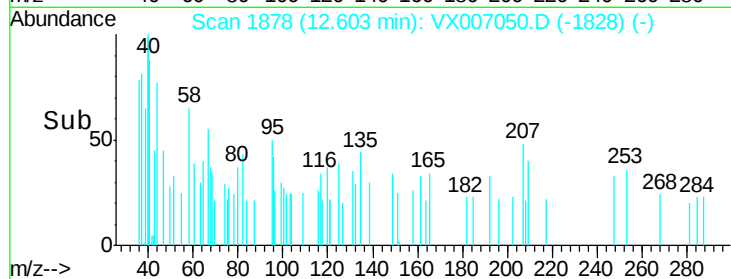
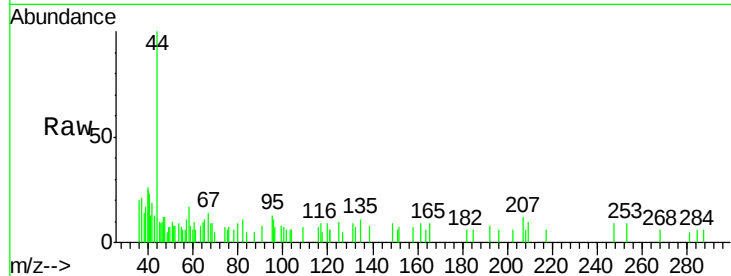
VX0115WBL01

Tot Ion:117 Resp: 74

Ion Ratio Lower Upper

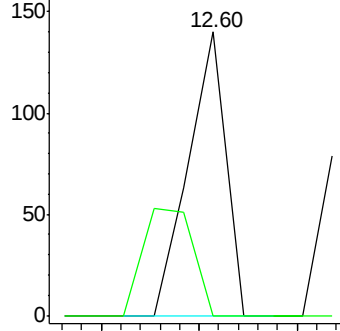
117 100

201 51.4 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time-->