

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042619\
 Data File : VX009180.D
 Acq On : 26 Apr 2019 11:27
 Operator : JC/SP
 Sample : VX0426WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBL01

Quant Time: Apr 27 03:59:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127694	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	141909	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	5.50	113	103860	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	8.71	98	427831	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	11.13	95	144080	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

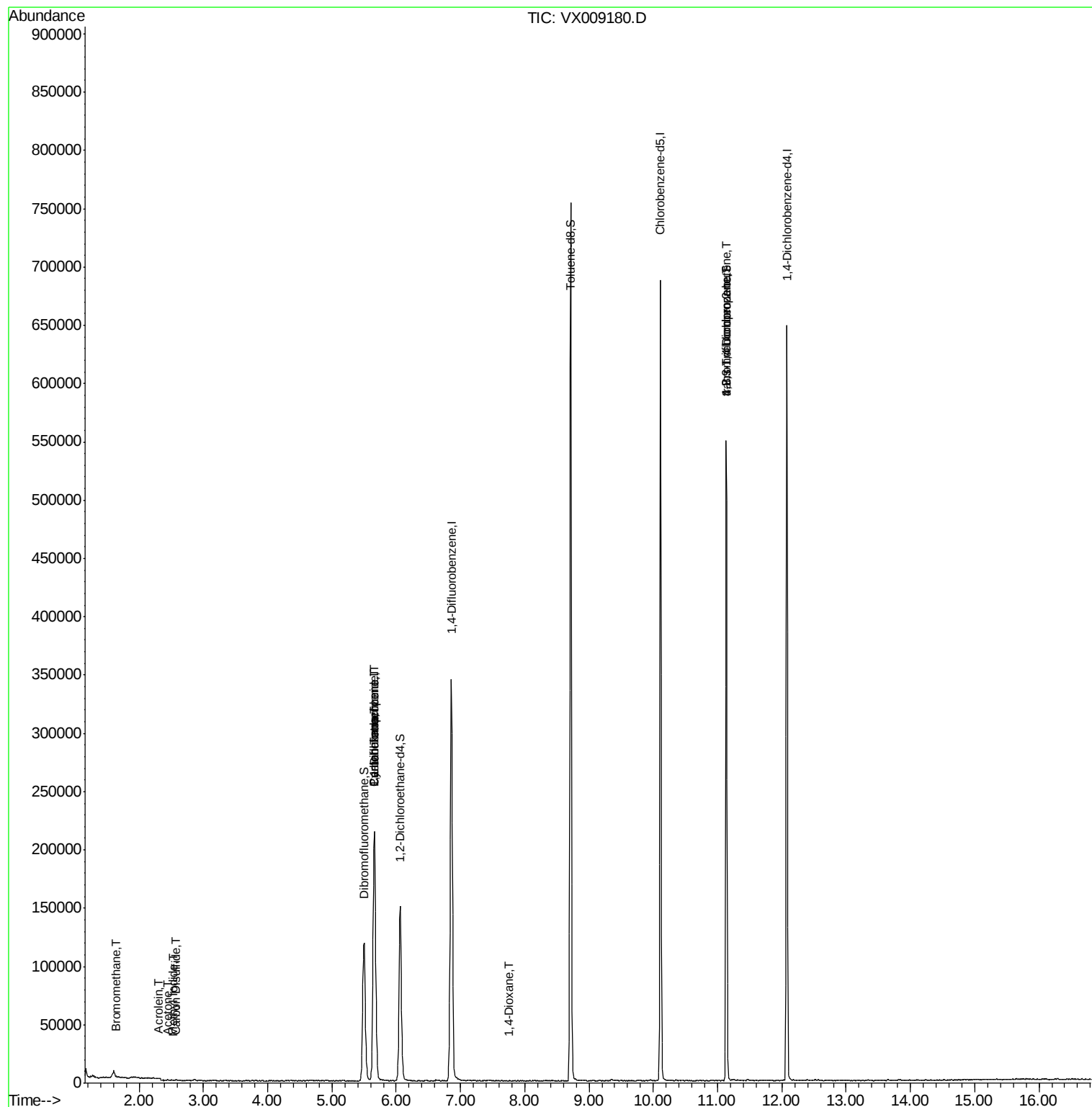
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	346	4.024	ug/l #	60
10) Methyl Iodide	2.52	142	192	4.488	ug/l #	42
13) Acrolein	2.29	56	247	0.432	ug/l	87
16) Acetone	2.45	43	704	0.456	ug/l #	88
17) Carbon Disulfide	2.57	76	937	1.390	ug/l #	75
28) Bromochloromethane	5.04	49	20	Below Cal	#	21
31) Cyclohexane	5.65	56	4740	0.999	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16654	4.690	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20242	6.724	ug/l #	16
49) 1,4-Dioxane	7.76	88	44	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	72881	23.374	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72881	60.008	ug/l #	11

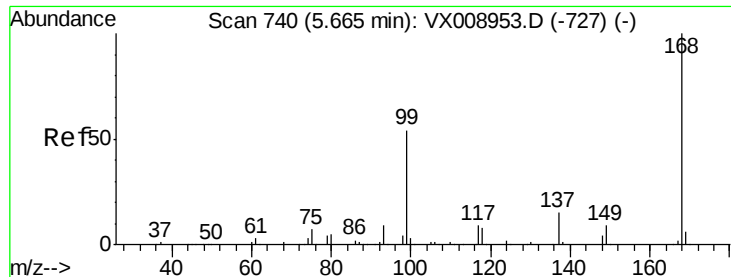
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042619\
Data File : VX009180.D
Acq On : 26 Apr 2019 11:27
Operator : JC/SP
Sample : VX0426WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0426WBL01

Quant Time: Apr 27 03:59:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 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: VX009180.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

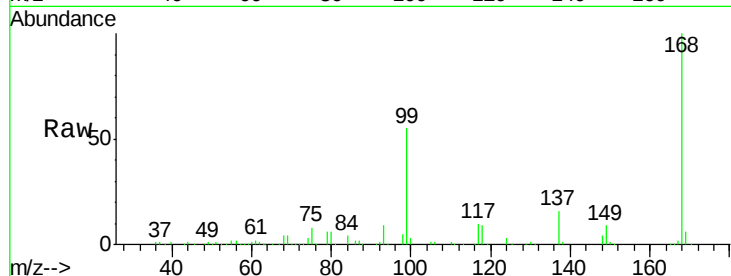
VX0426WBL01

Tot Ion:168 Resp: 211468

Ion Ratio Lower Upper

168 100

99 54.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

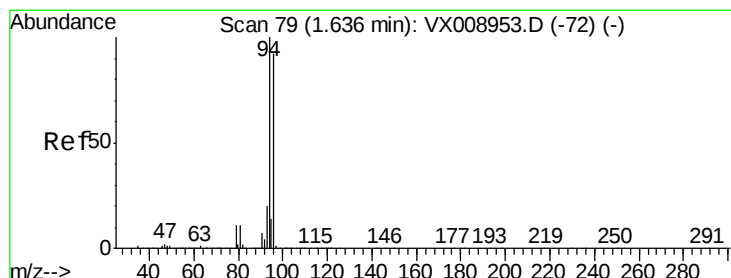
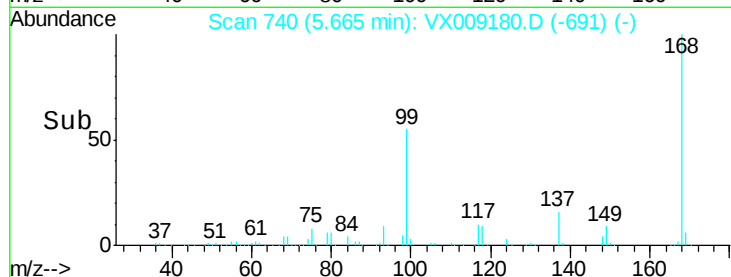
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.024 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009180.D

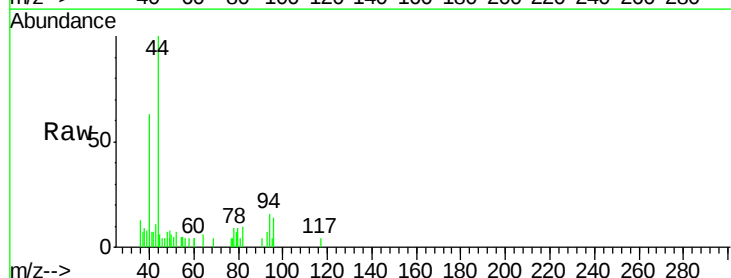
Acq: 26 Apr 2019 11:27

Tgt Ion: 94 Resp: 346

Ion Ratio Lower Upper

94 100

96 54.1 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

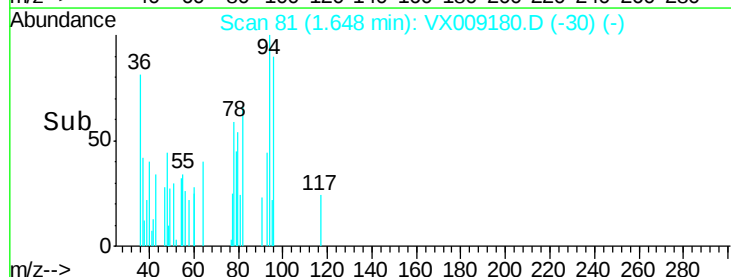
150

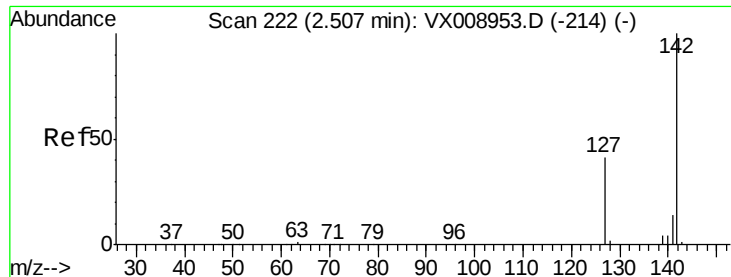
100

50

0

Time--> 1.62 1.64 1.66 1.68

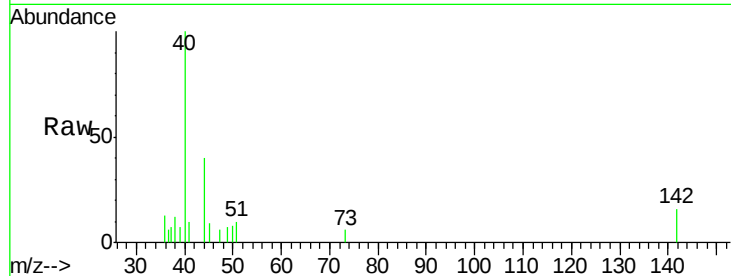




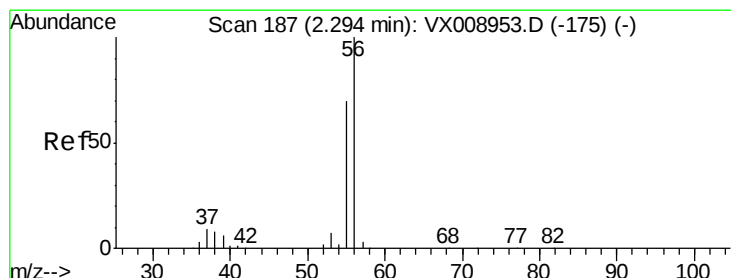
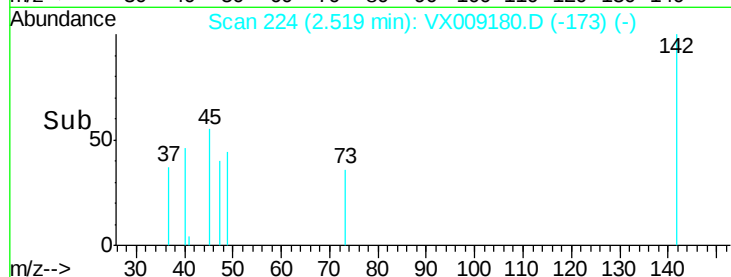
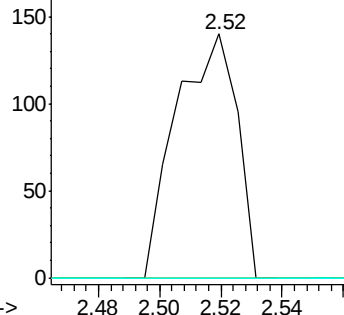
#10
Methvl Iodide
Concen: 4.488 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009180.D
Acq: 26 Apr 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBL01

Tot Ion:142 Resp: 192
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#

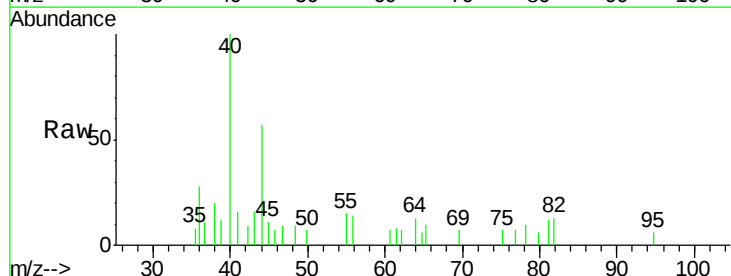


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

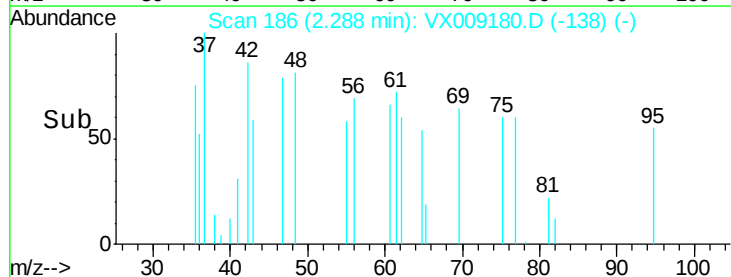
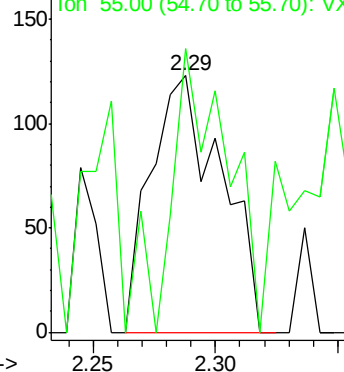


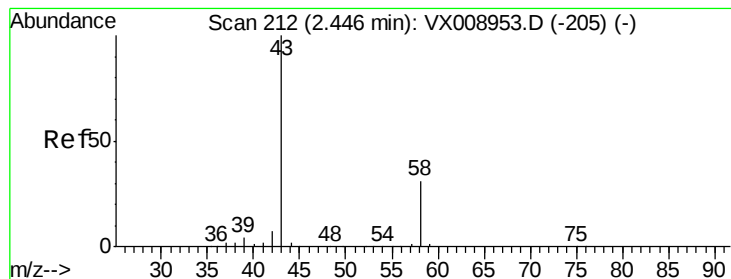
#13
Acrolein
Concen: 0.432 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009180.D
Acq: 26 Apr 2019 11:27

Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
55 81.4 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.456 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

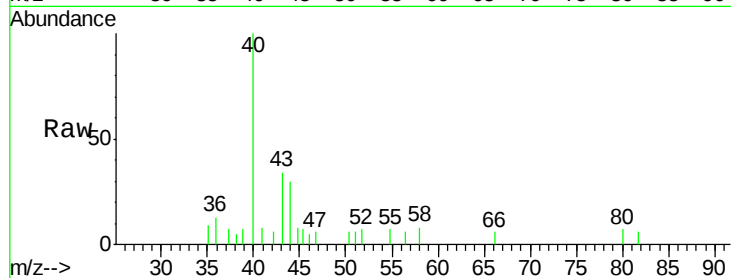
VX0426WBL01

Tot Ion: 43 Resp: 704

Ion Ratio Lower Upper

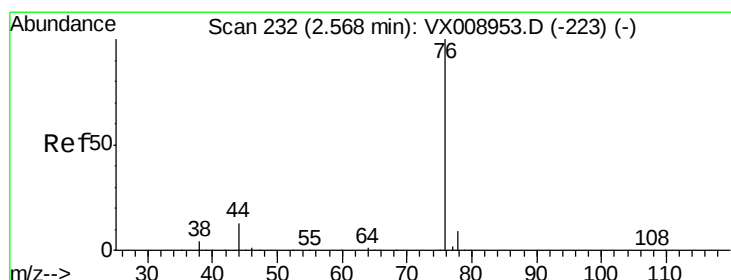
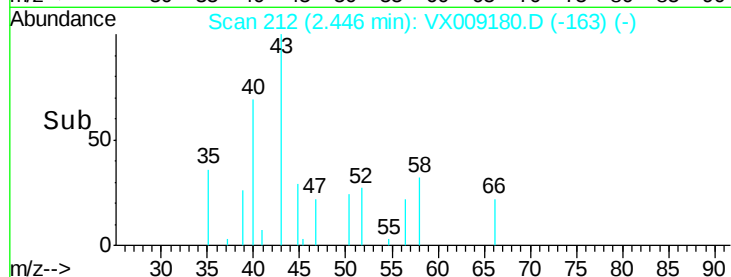
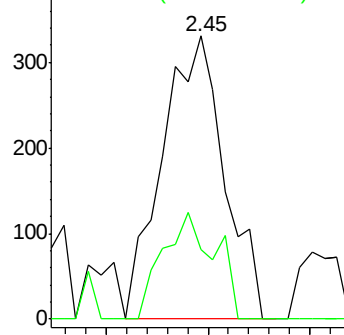
43 100

58 24.5 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.390 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009180.D

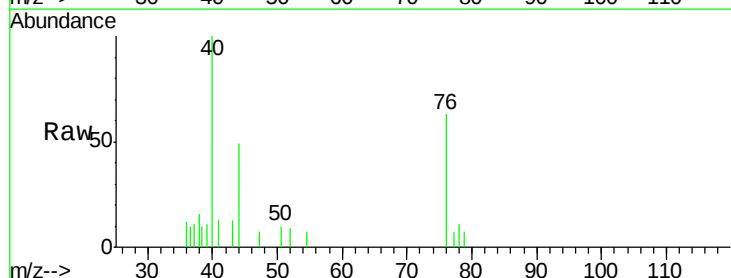
Acq: 26 Apr 2019 11:27

Tgt Ion: 76 Resp: 937

Ion Ratio Lower Upper

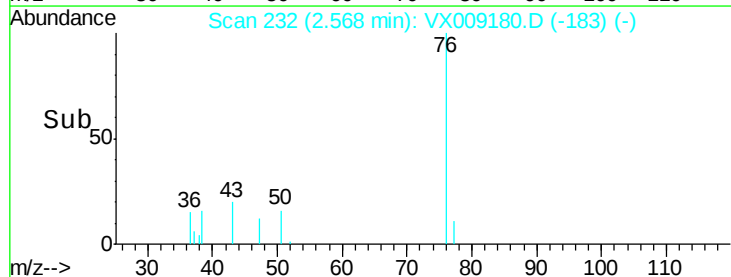
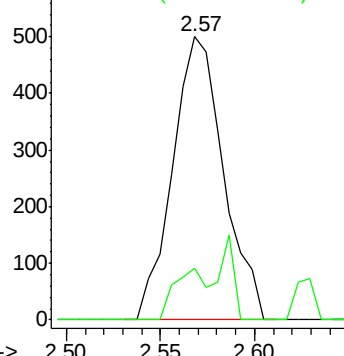
76 100

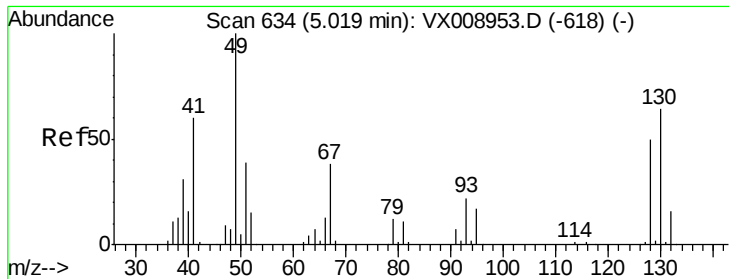
78 18.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBL01

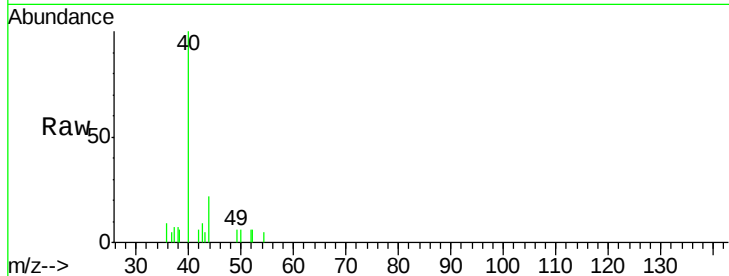
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

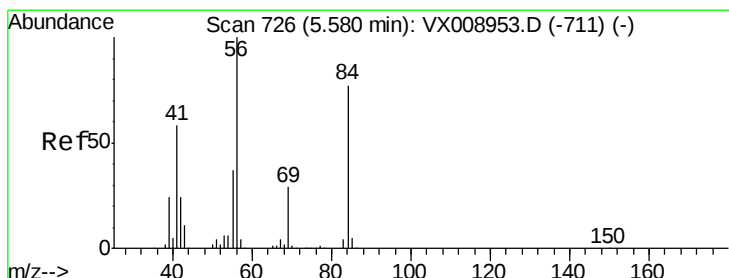
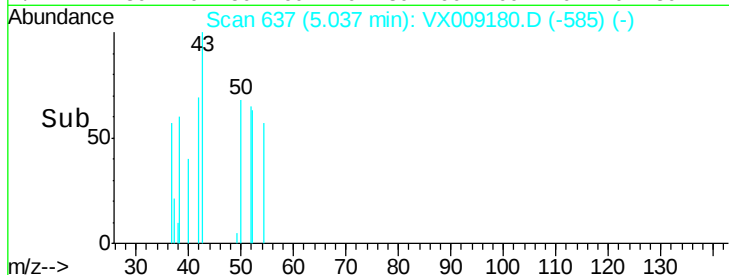
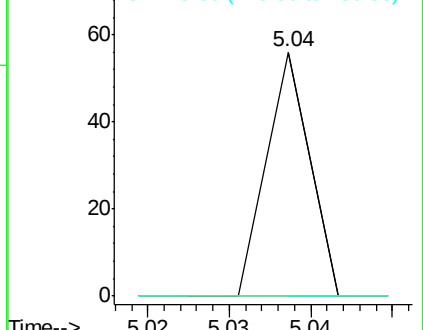
130 0.0 50.4 75.6#



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: 0.999 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

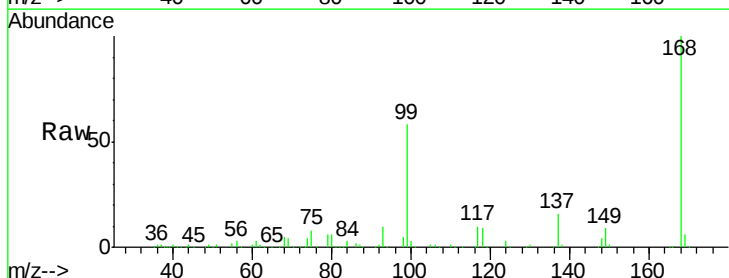
Tgt Ion: 56 Resp: 4740

Ion Ratio Lower Upper

56 100

69 148.6 23.3 34.9#

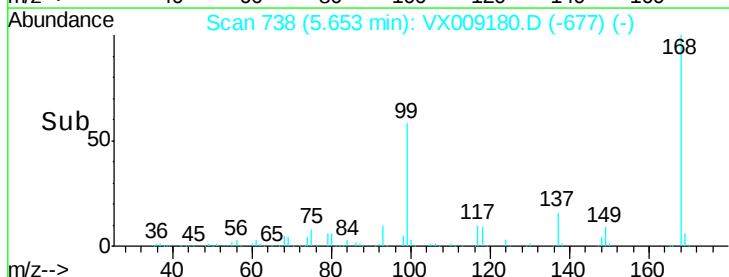
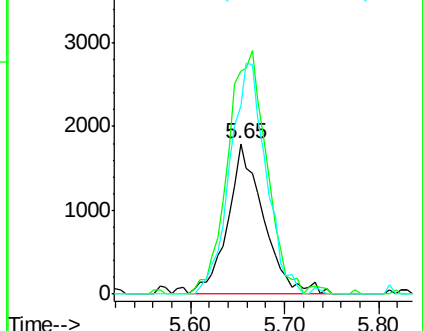
84 125.1 61.7 92.5#

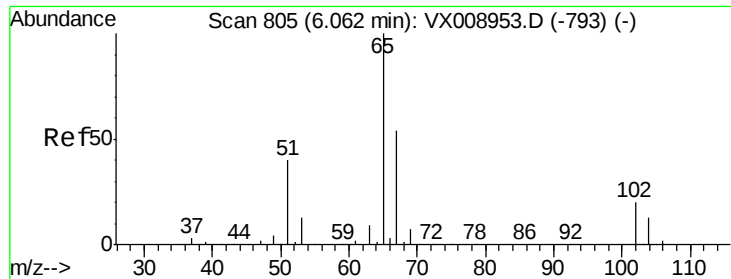


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.618 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

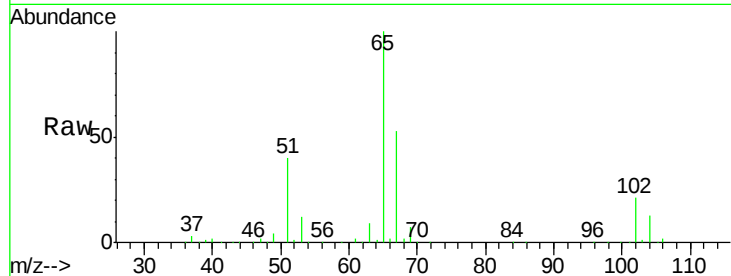
VX0426WBL01

Tot Ion: 65 Resp: 141909

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

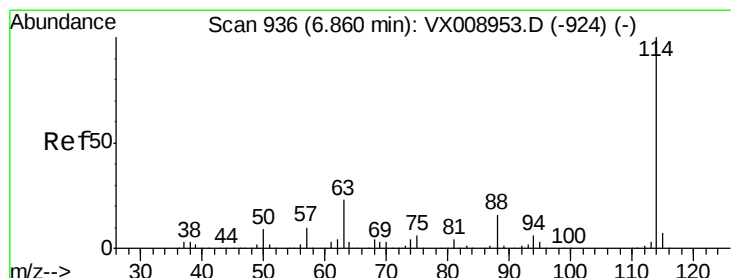
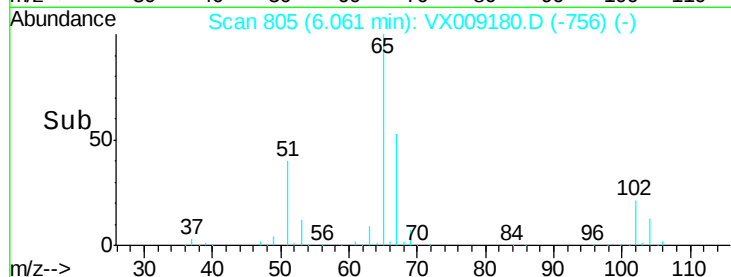
30000

20000

10000

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: VX009180.D

Acq: 26 Apr 2019 11:27

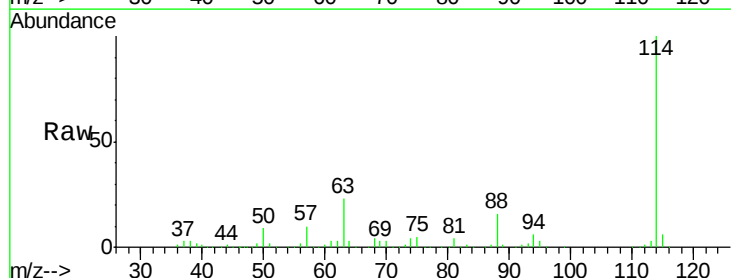
Tgt Ion:114 Resp: 343374

Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.0

88 16.3 0.0 32.6



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

200000

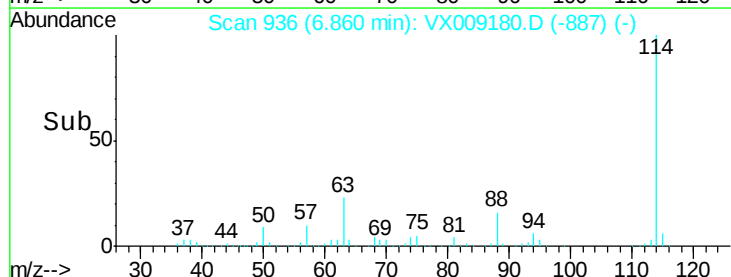
150000

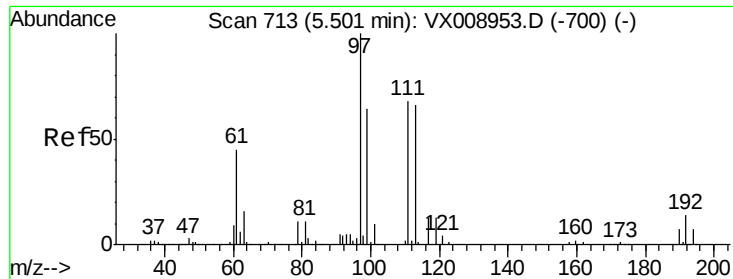
100000

50000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 47.130 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBL01

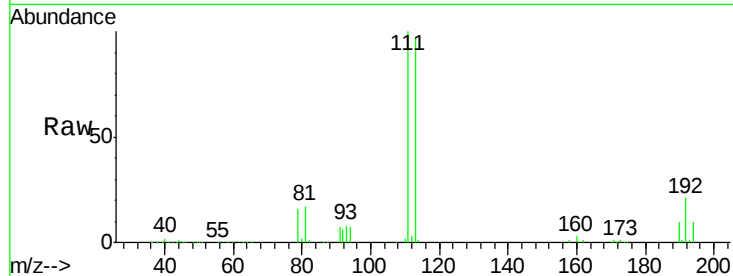
Tot Ion:113 Resp: 103860

Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

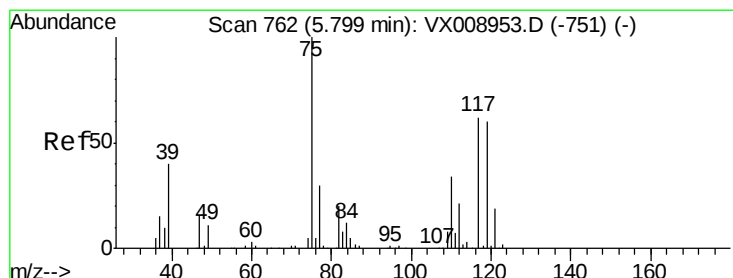
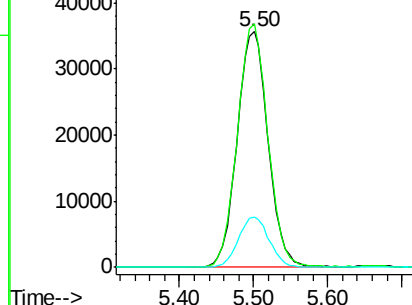
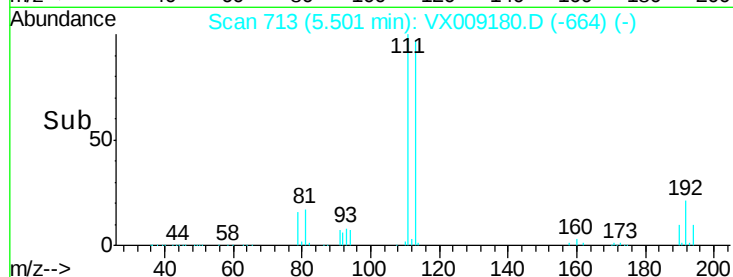
192 21.4 17.4 26.0



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: 4.690 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

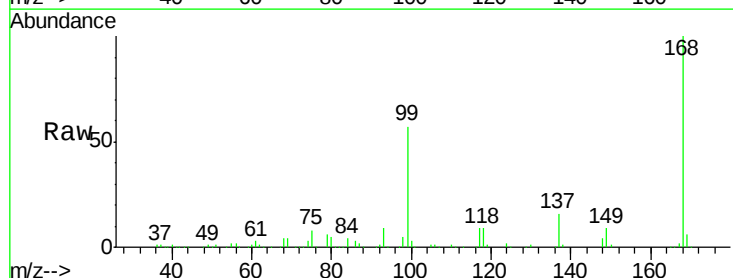
Tgt Ion: 75 Resp: 16654

Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.7#

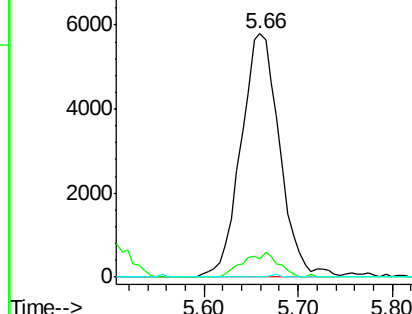
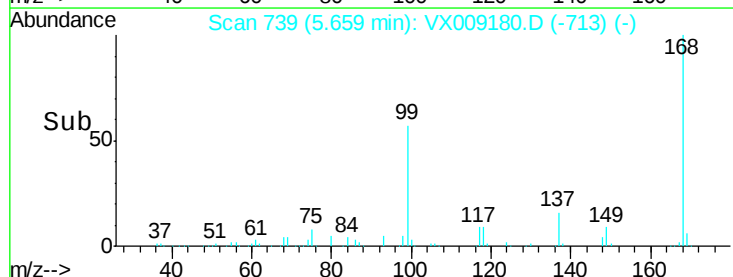
77 0.3 25.0 37.4#

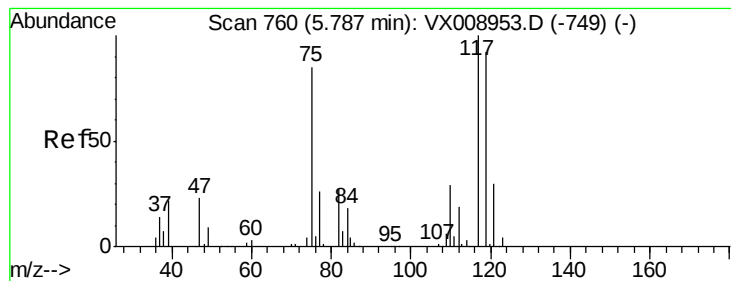


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.724 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBL01

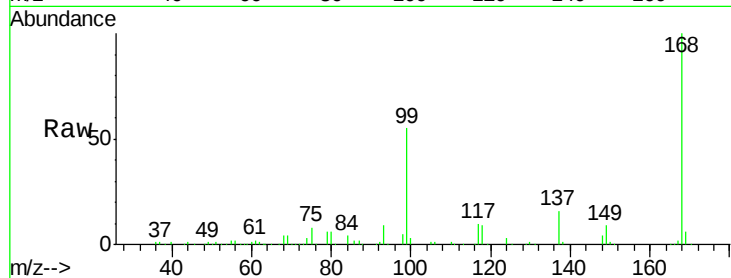
Tot Ion:117 Resp: 20242

Ion Ratio Lower Upper

117 100

119 3.7 73.8 110.8#

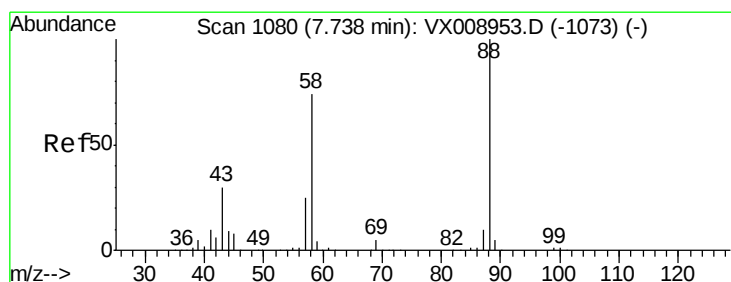
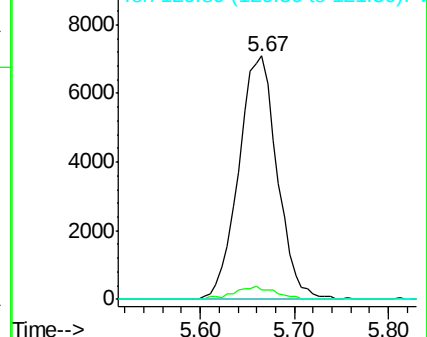
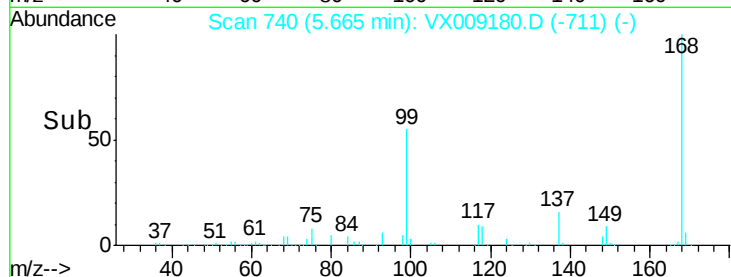
121 0.0 23.6 35.4#



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: 0.646 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

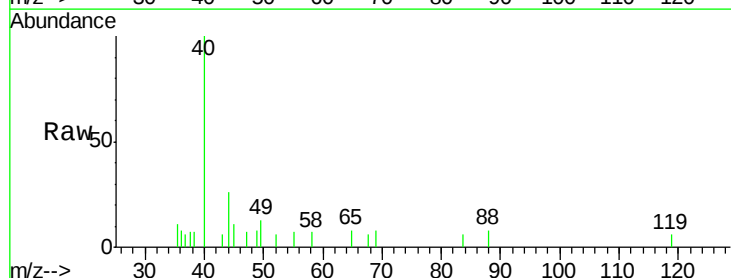
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 334.1 29.3 43.9#

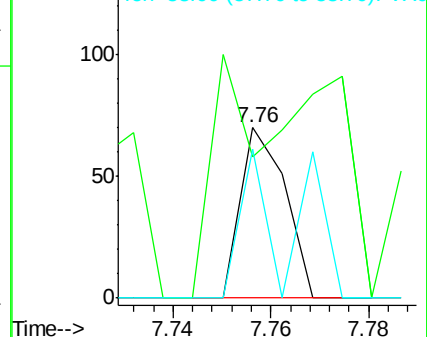
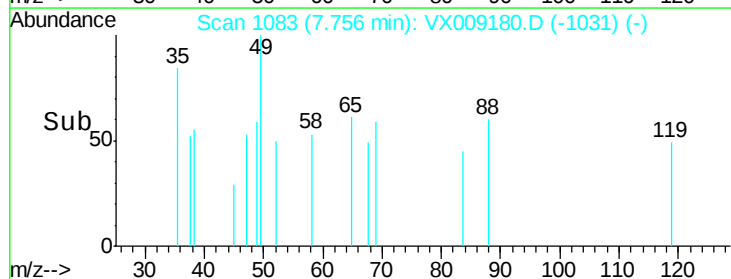
58 100.0 62.6 93.8#

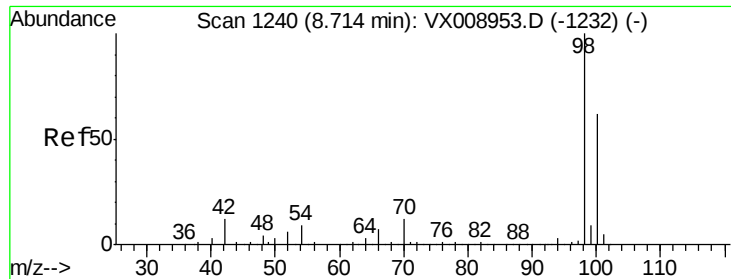


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.681 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

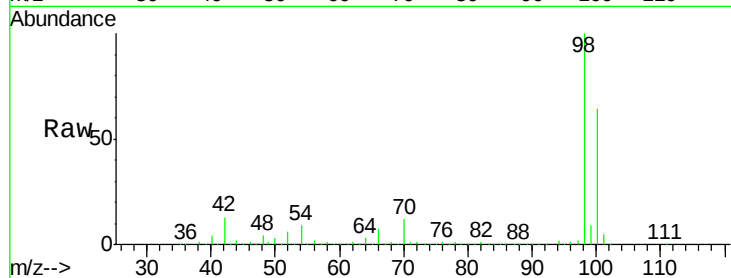
VX0426WBL01

Tot Ion: 98 Resp: 427831

Ion Ratio Lower Upper

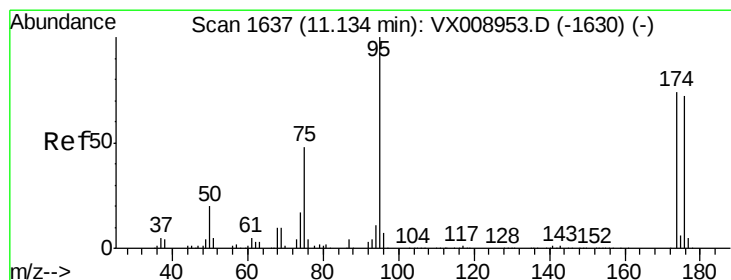
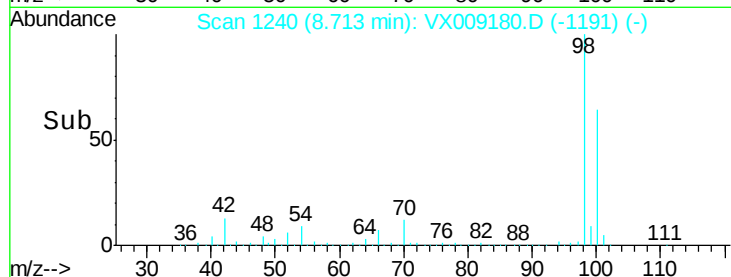
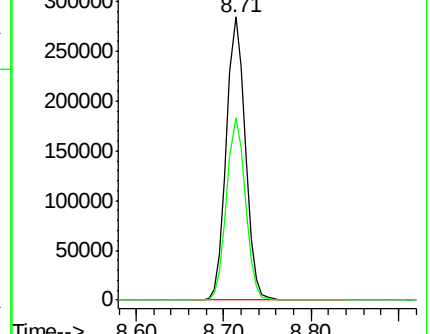
98 100

100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.442 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

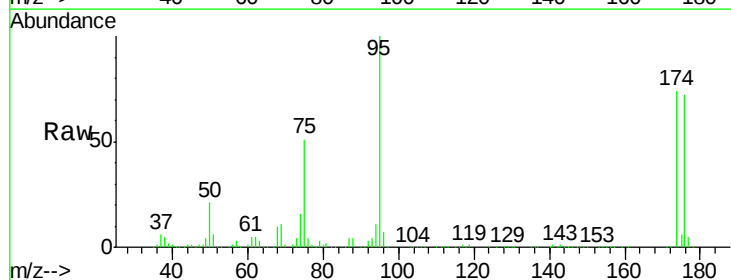
Tgt Ion: 95 Resp: 144080

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.6

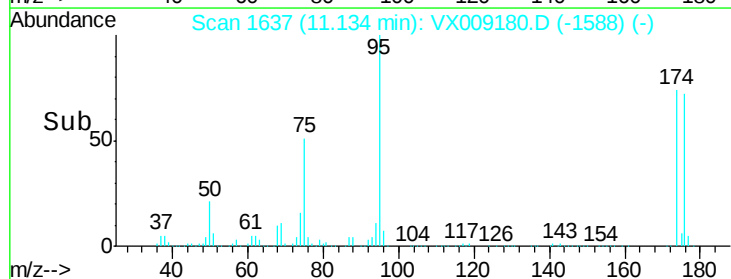
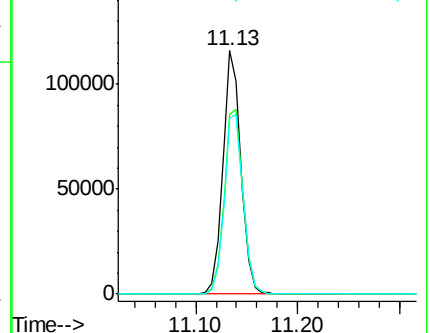
176 77.3 0.0 154.8

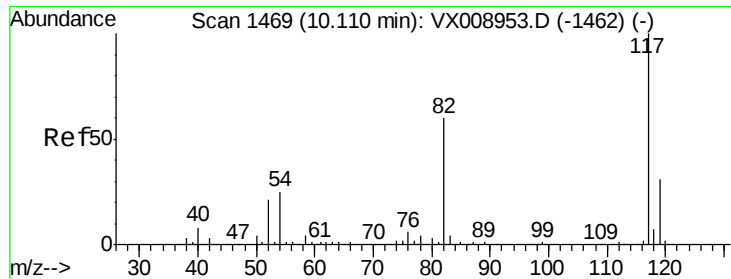


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

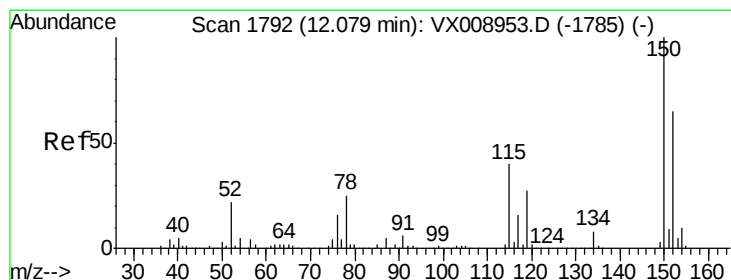
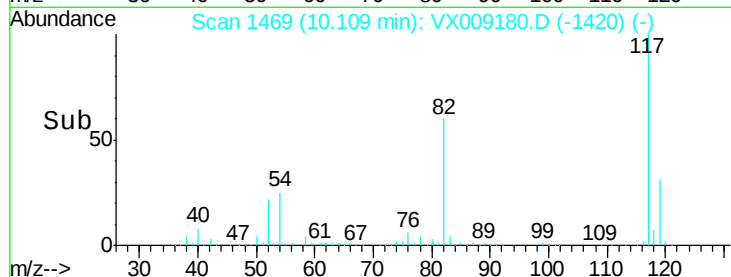
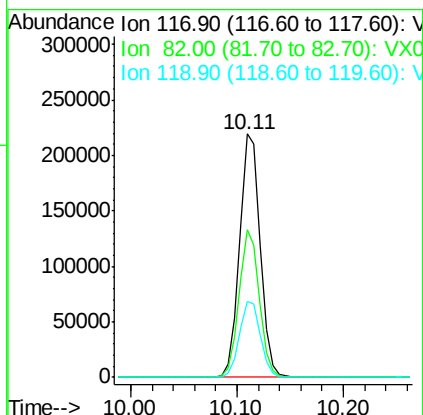
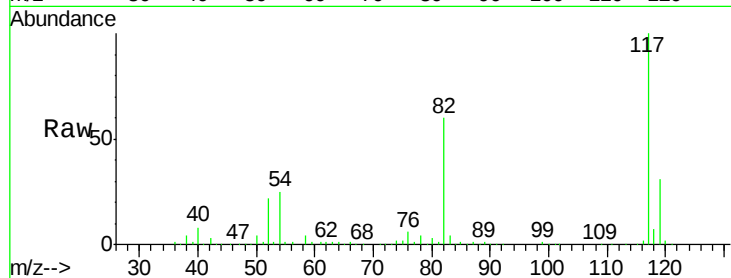




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009180.D
Acq: 26 Apr 2019 11:27

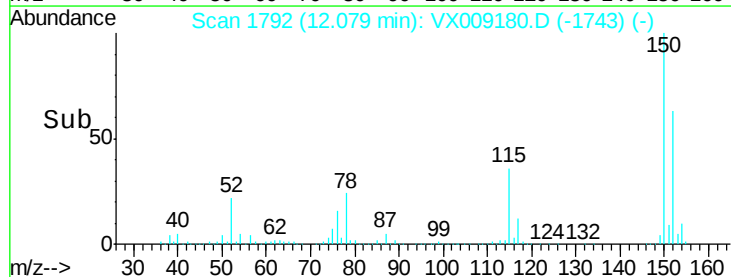
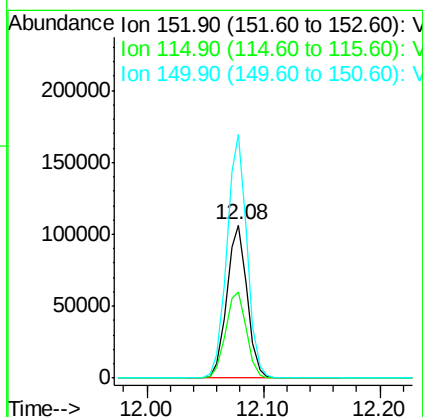
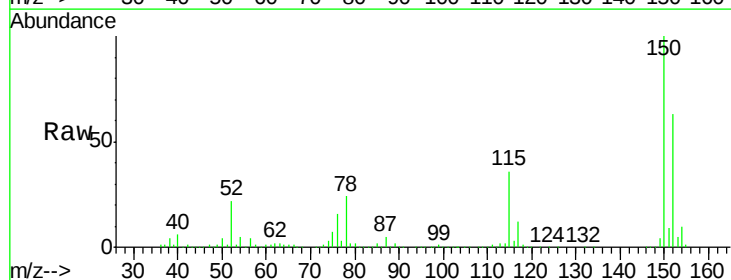
Instrument :
MSVOA_X
ClientSampleId :
VX0426WBL01

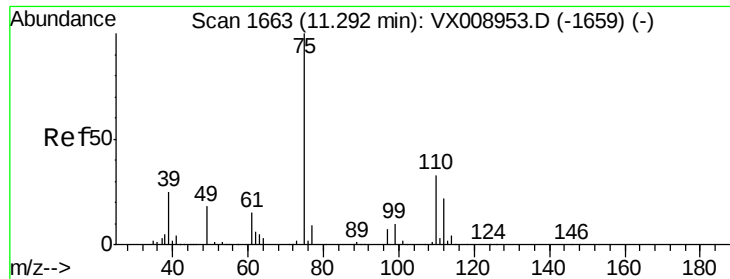
Tot Ion:117 Resp: 298768
Ion Ratio Lower Upper
117 100
82 60.5 48.2 72.4
119 31.4 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009180.D
Acq: 26 Apr 2019 11:27

Tgt Ion:152 Resp: 127694
Ion Ratio Lower Upper
152 100
115 57.8 41.4 124.2
150 157.4 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 23.374 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

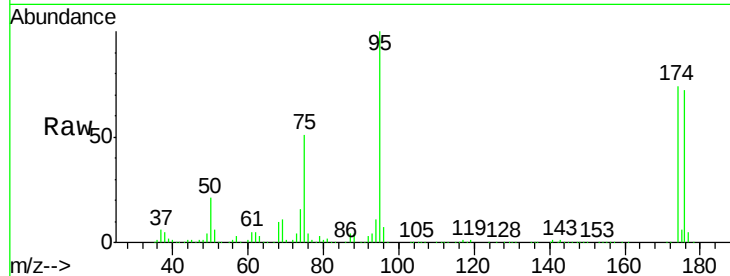
VX0426WBL01

Tot Ion: 75 Resp: 72881

Ion Ratio Lower Upper

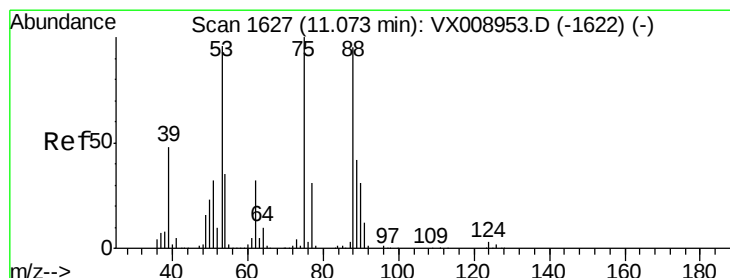
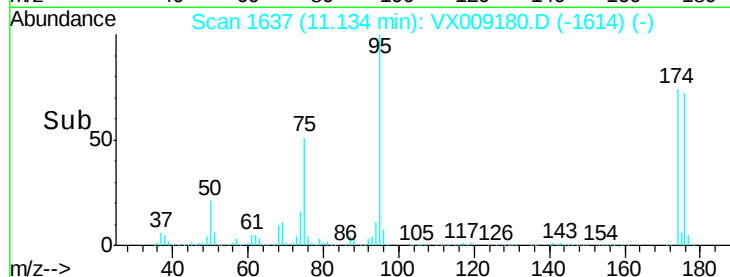
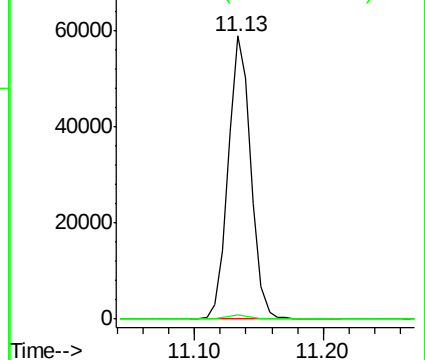
75 100

77 1.5 22.7 68.0#



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: 60.008 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009180.D

Acq: 26 Apr 2019 11:27

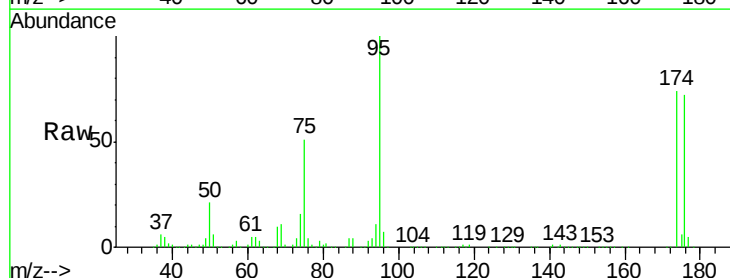
Tgt Ion: 75 Resp: 72881

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.1 36.0 54.0#



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

