

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010419\
 Data File : VX006910.D
 Acq On : 04 Jan 2019 13:49
 Operator : JC/MD
 Sample : VX0104WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBL01

Quant Time: Jan 04 22:17:07 2019
 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	5.66	168	655112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	985944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	902319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	449107	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	333105	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
35) Dibromofluoromethane	5.51	113	301628	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	8.71	98	1151115	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	11.13	95	414599	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	

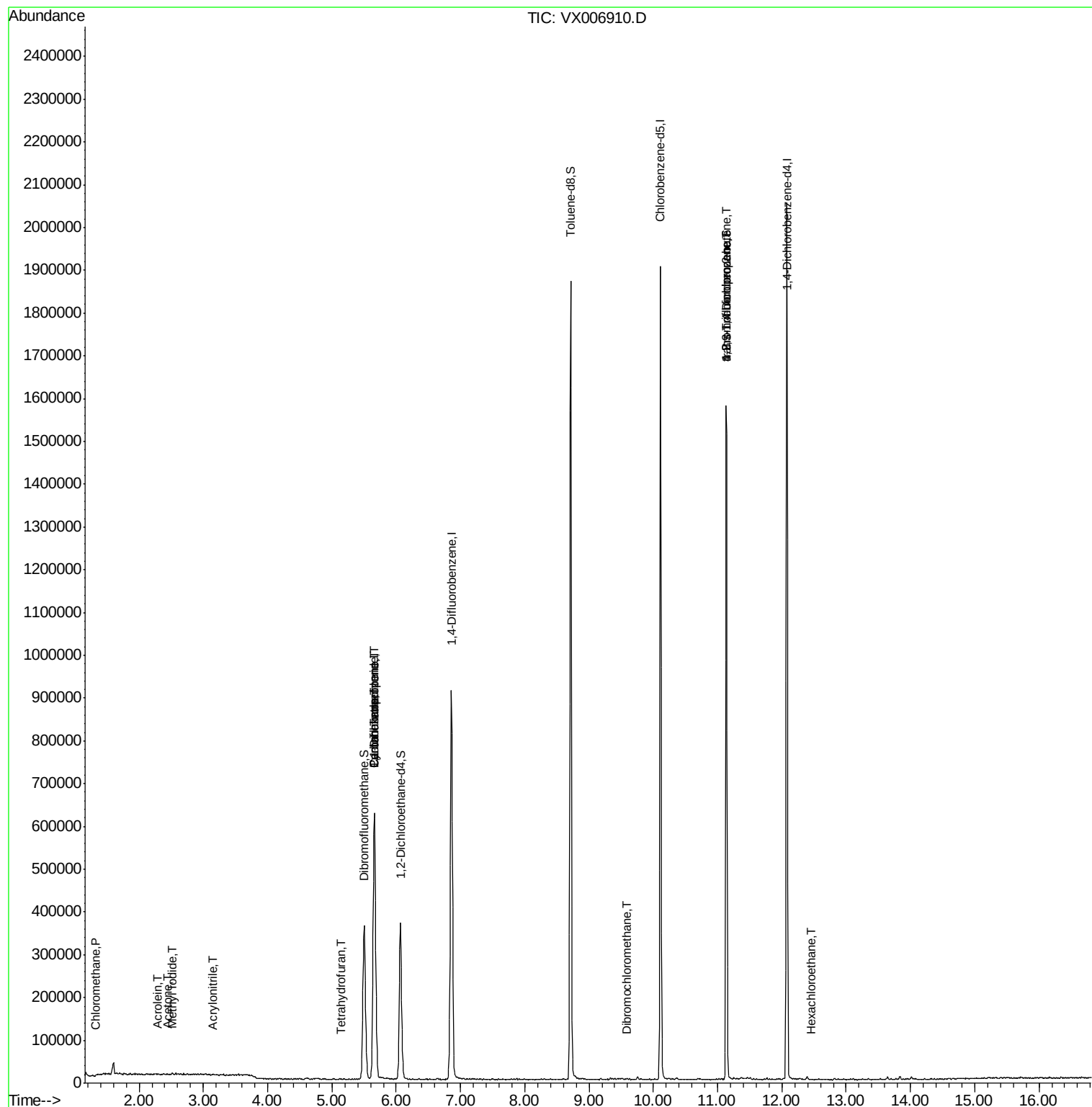
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2601	0.403	ug/l	94
5) Bromomethane	1.65	94	2327	Below Cal	#	65
10) Methyl Iodide	2.53	142	2425	0.274	ug/l #	77
13) Acrolein	2.29	56	526	0.495	ug/l	92
15) Acrylonitrile	3.14	53	1066	0.305	ug/l #	32
16) Acetone	2.45	43	704	0.217	ug/l #	72
28) Bromochloromethane	5.00	49	398	Below Cal	#	4
29) Tetrahydrofuran	5.15	42	1307	0.435	ug/l #	76
31) Cyclohexane	5.65	56	10754	1.100	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	41104	5.034	ug/l #	49
38) Carbon Tetrachloride	5.66	117	58830	7.413	ug/l #	14
49) 1,4-Dioxane	7.76	88	219	Below Cal	#	7
60) Dibromochloromethane	9.58	129	197	2.352	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	194072	23.253	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	194072	69.006	ug/l #	10
90) Hexachloroethane	12.45	117	62	3.307	ug/l	59

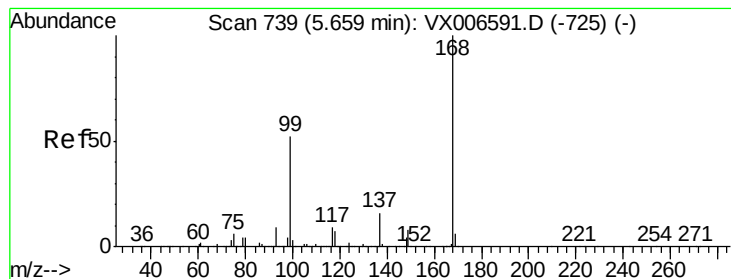
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX006910.D
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Sample : VX0104WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0104WBL01

Quant Time: Jan 04 22:17:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

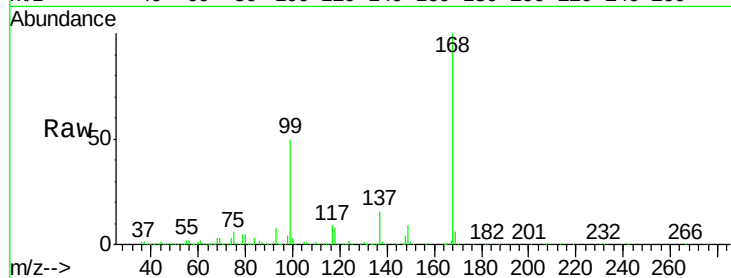
VX0104WBL01

Tot Ion:168 Resp: 655112

Ion Ratio Lower Upper

168 100

99 50.2 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

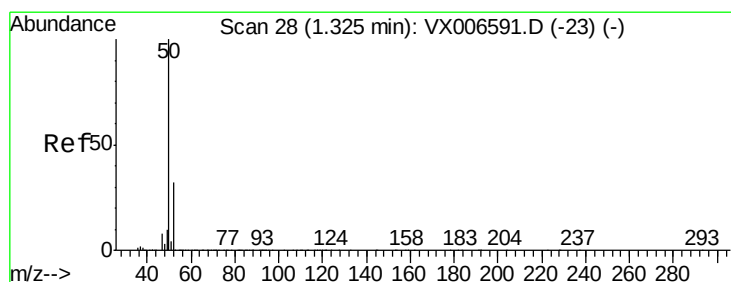
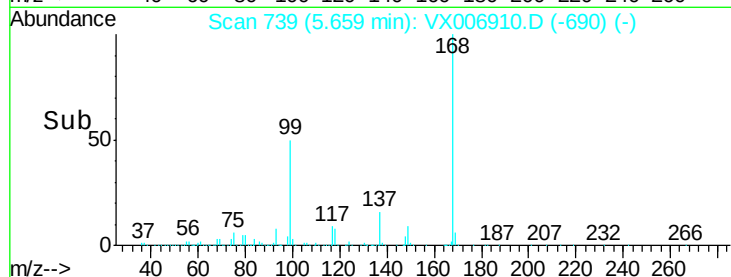
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.403 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006910.D

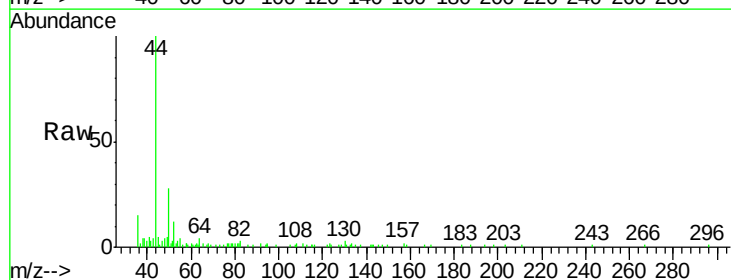
Acq: 04 Jan 2019 13:49

Tgt Ion: 50 Resp: 2601

Ion Ratio Lower Upper

50 100

52 28.7 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

1500

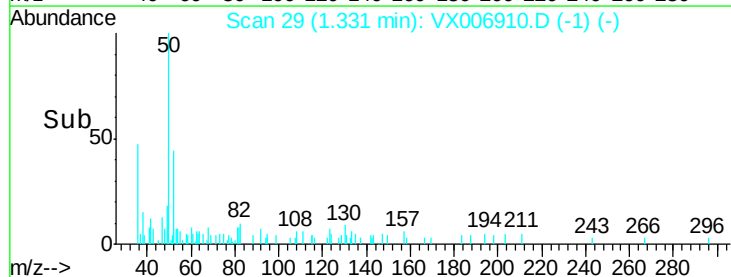
1000

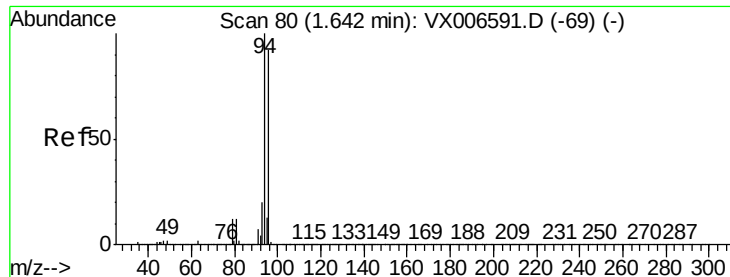
500

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

Instrument :

MSVOA_X

ClientSampled :

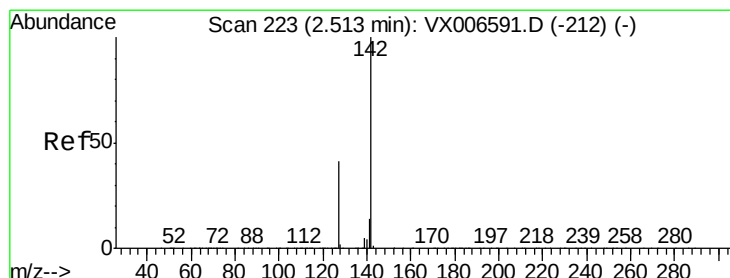
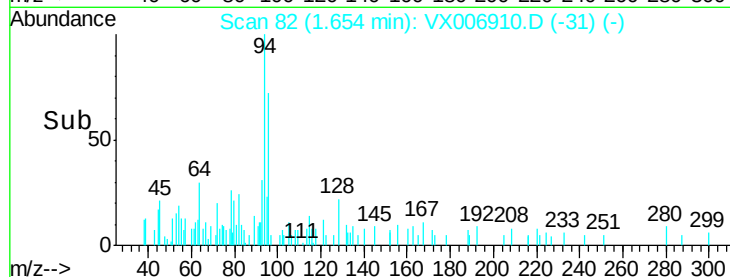
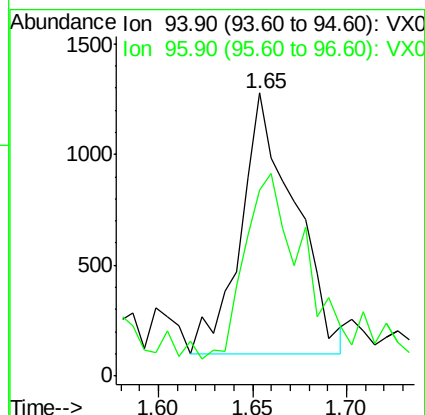
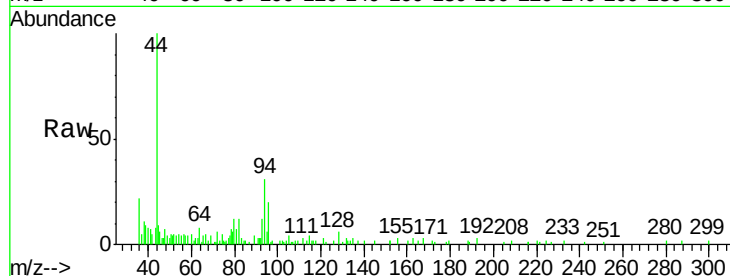
VX0104WBL01

Tot Ion: 94 Resp: 2327

Ion Ratio Lower Upper

94 100

96 58.2 73.4 110.2#



#10

Methyl Iodide

Concen: 0.274 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.01 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

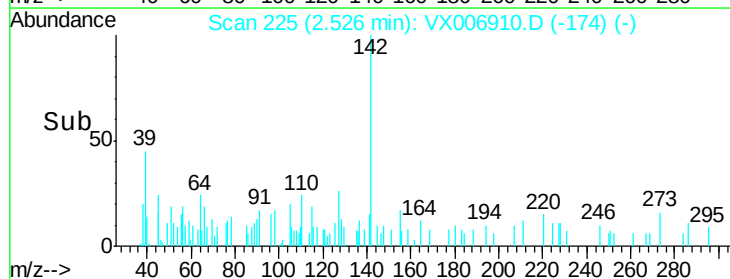
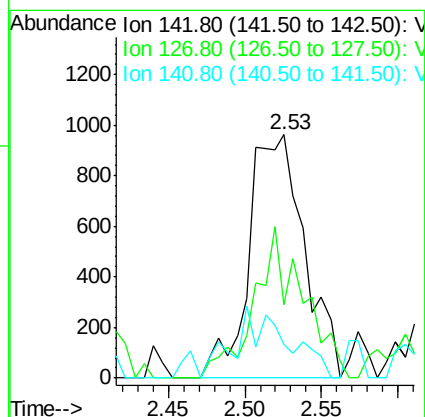
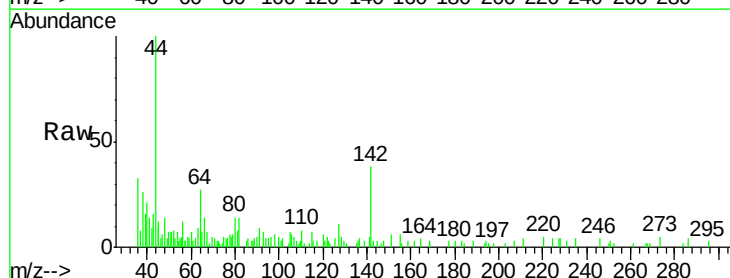
Tgt Ion: 142 Resp: 2425

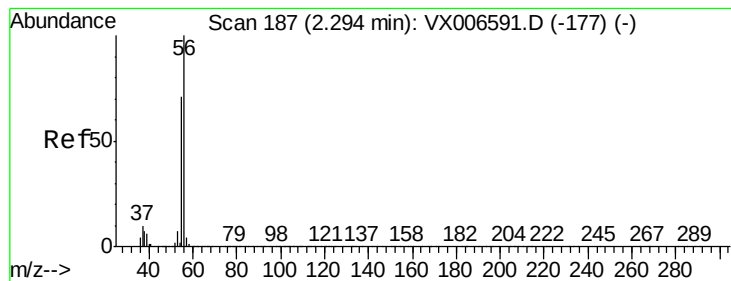
Ion Ratio Lower Upper

142 100

127 54.8 33.9 50.9#

141 0.0 11.4 17.0#





#13

Acrolein

Concen: 0.495 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

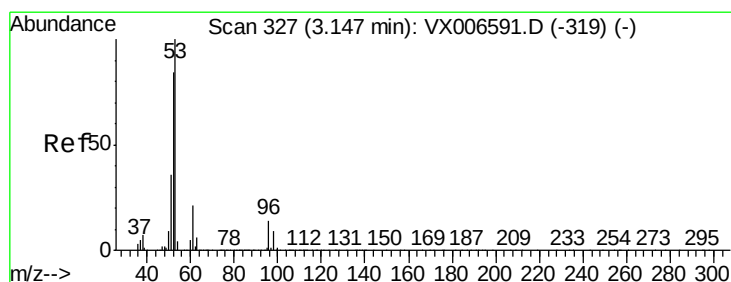
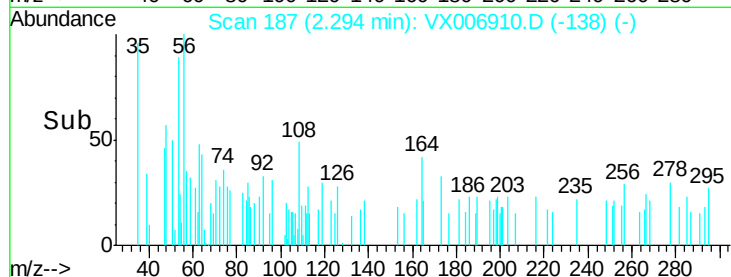
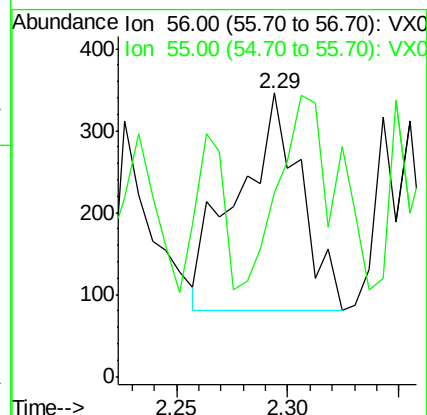
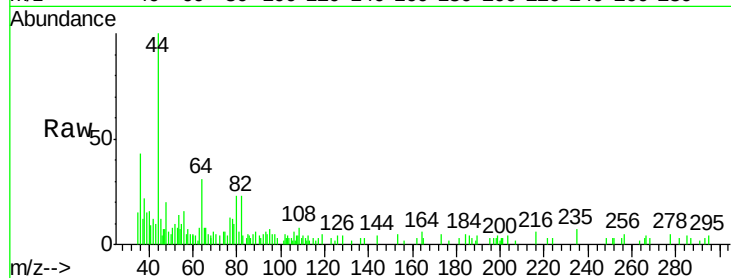
VX0104WBL01

Tot Ion: 56 Resp: 526

Ion Ratio Lower Upper

56 100

55 79.5 58.2 87.4



#15

Acrylonitrile

Concen: 0.305 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

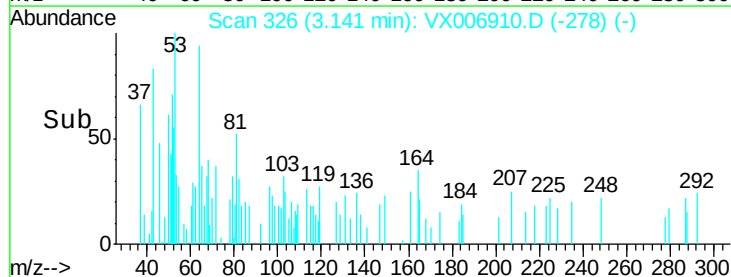
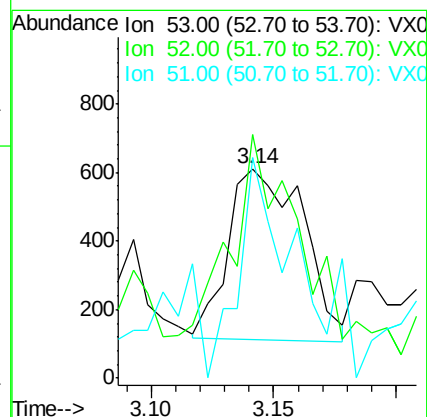
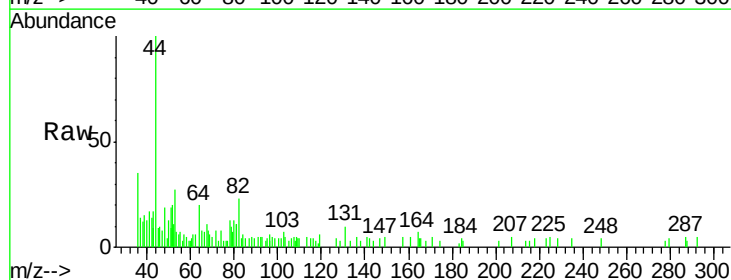
Tgt Ion: 53 Resp: 1066

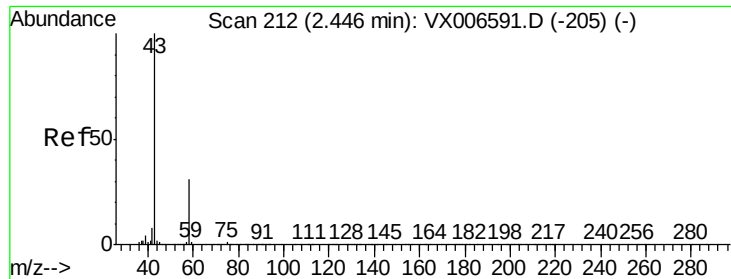
Ion Ratio Lower Upper

53 100

52 123.4 66.0 99.0#

51 105.1 28.6 42.8#

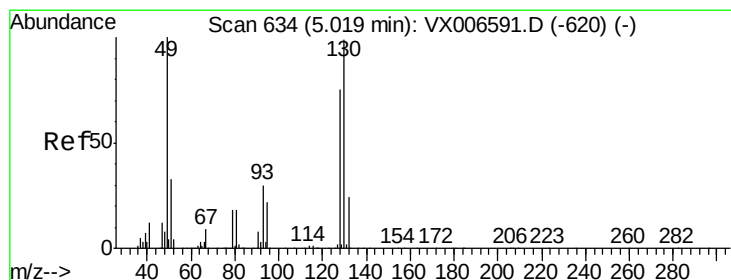
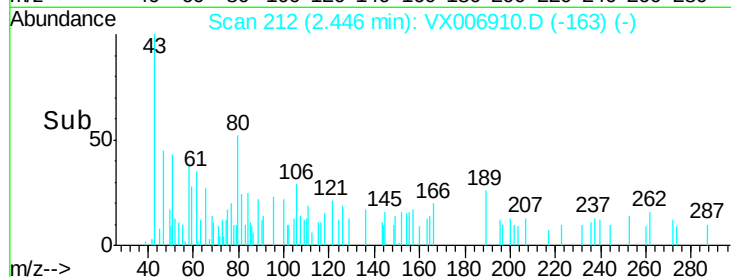
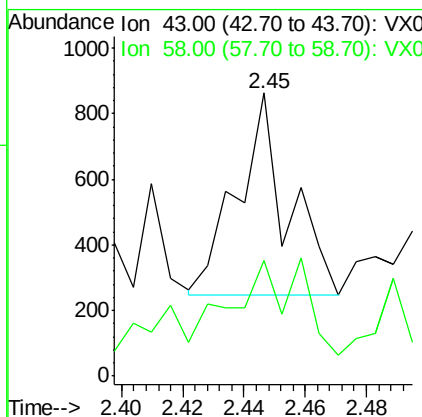
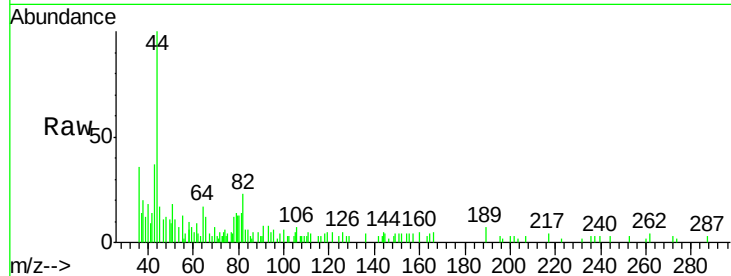




#16
Acetone
Concen: 0.217 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006910.D
Acq: 04 Jan 2019 13:49

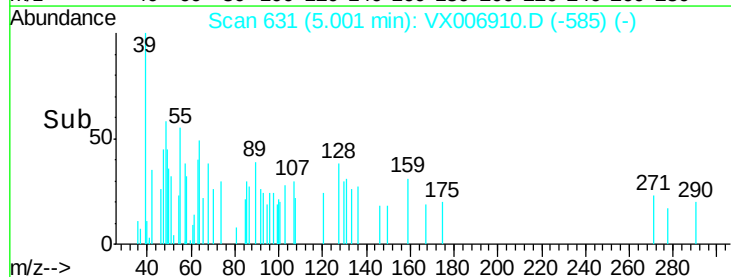
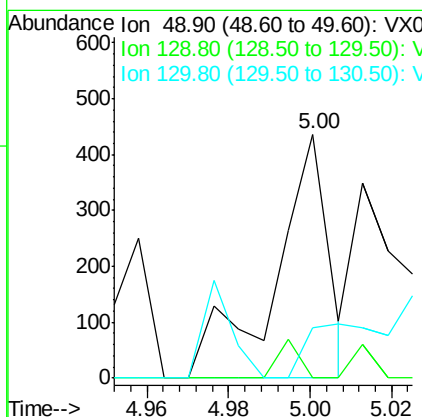
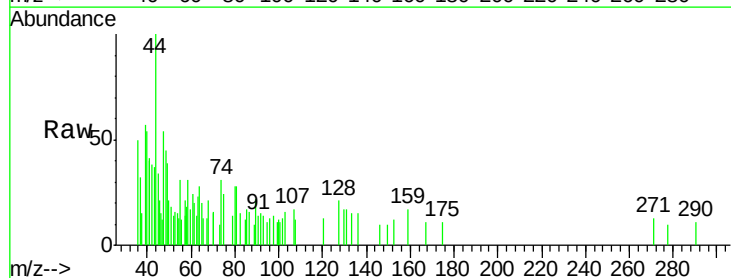
Instrument :
MSVOA_X
ClientSampleId :
VX0104WBL01

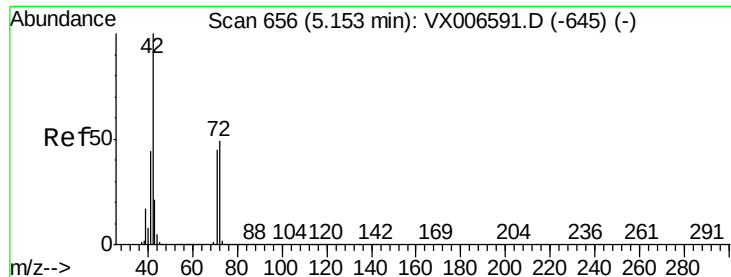
Tot Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
58 46.8 25.0 37.6#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.00 min Scan# 631
Delta R.T. -0.02 min
Lab File: VX006910.D
Acq: 04 Jan 2019 13:49

Tgt Ion: 49 Resp: 398
Ion Ratio Lower Upper
49 100
129 6.5 0.0 5.4#
130 0.0 77.7 116.5#





#29

Tetrahydrofuran

Concen: 0.435 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBL01

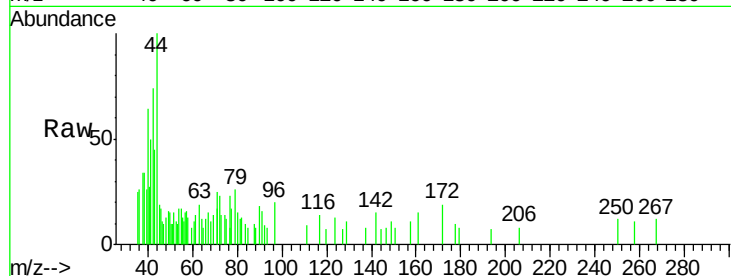
Tot Ion: 42 Resp: 1307

Ion Ratio Lower Upper

42 100

72 37.3 38.9 58.3#

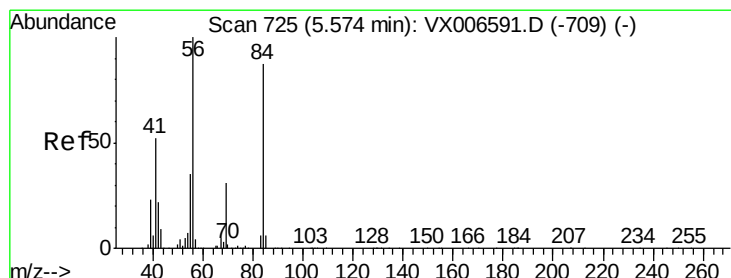
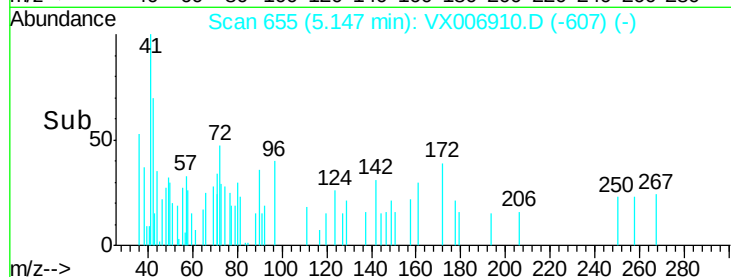
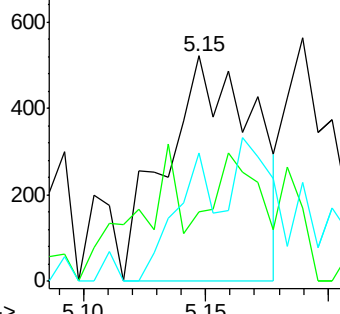
71 23.7 36.2 54.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.100 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

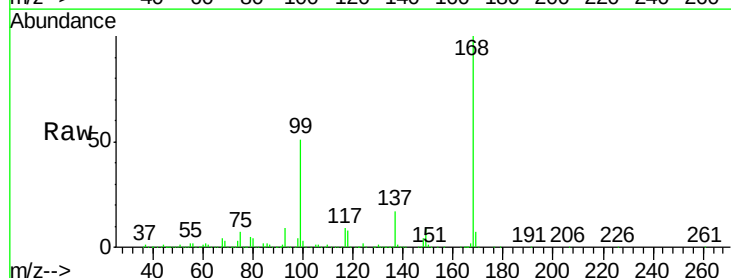
Tgt Ion: 56 Resp: 10754

Ion Ratio Lower Upper

56 100

69 185.9 24.4 36.6#

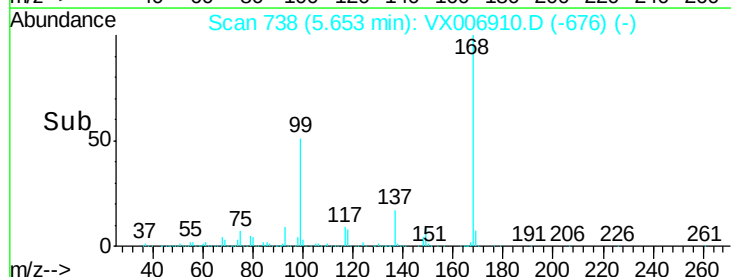
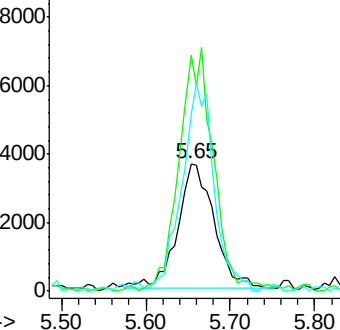
84 136.5 70.0 105.0#

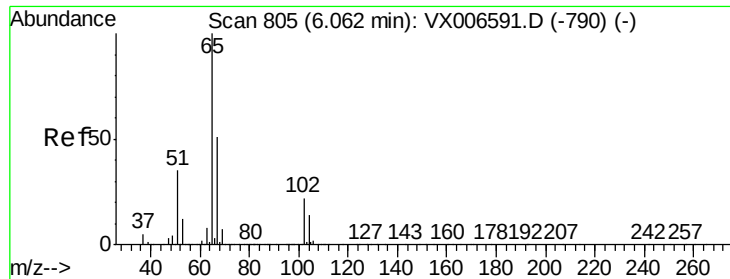


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

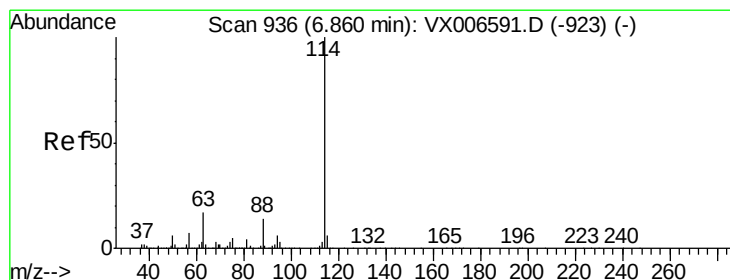
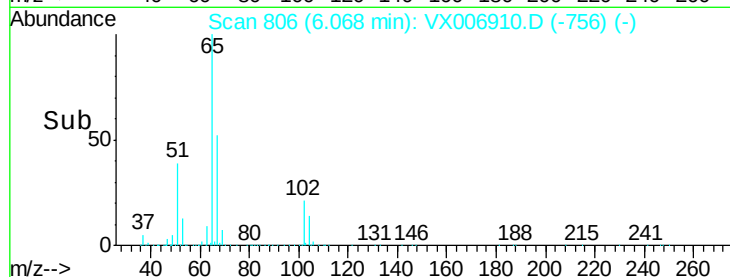
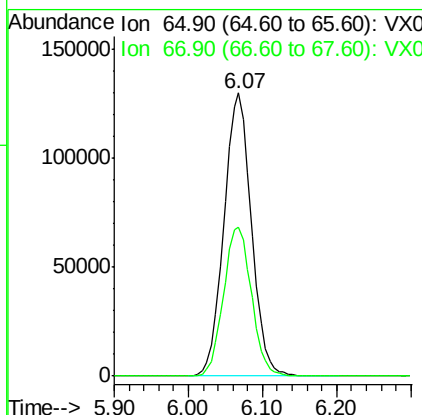
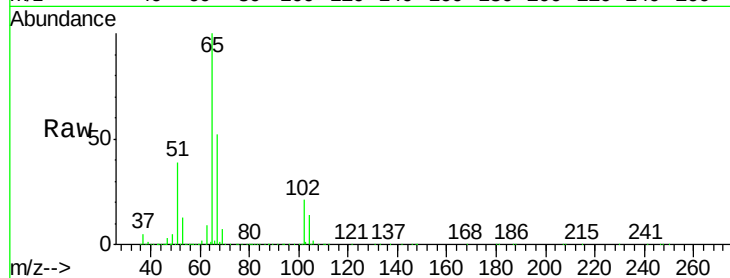




#33
 1,2-Dichloroethane-d4
 Concen: 47.179 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006910.D
 Acq: 04 Jan 2019 13:49

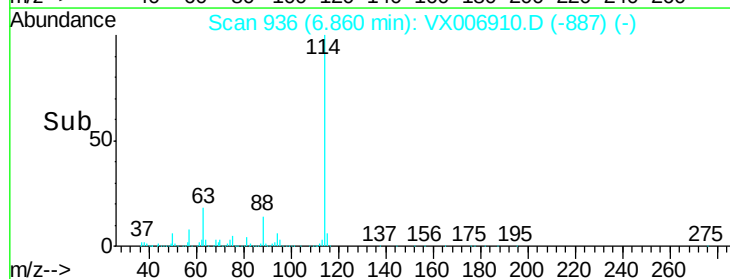
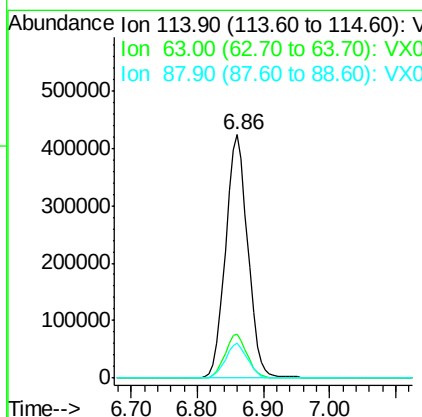
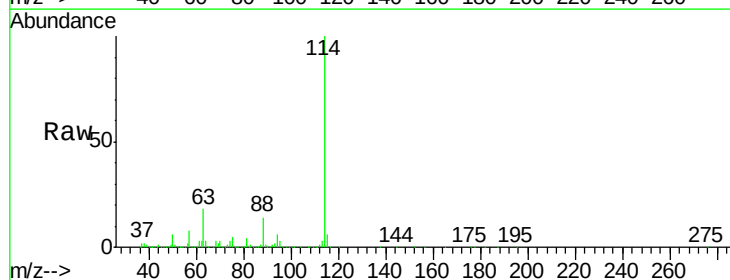
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBL01

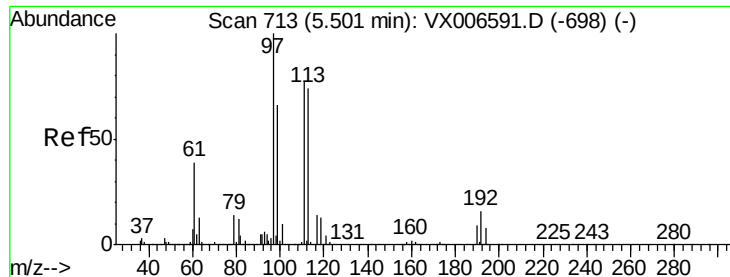
Tot Ion: 65 Resp: 333105
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006910.D
 Acq: 04 Jan 2019 13:49

Tgt Ion: 114 Resp: 985944
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.8
 88 14.5 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.377 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBL01

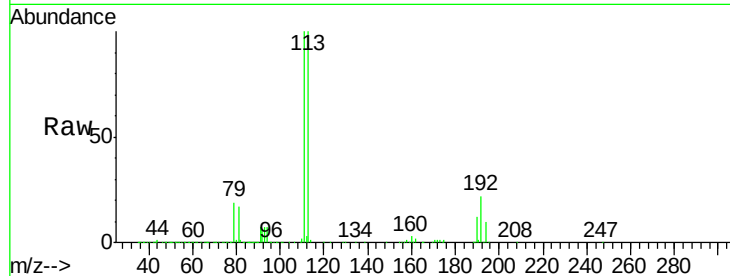
Tot Ion:113 Resp: 301628

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

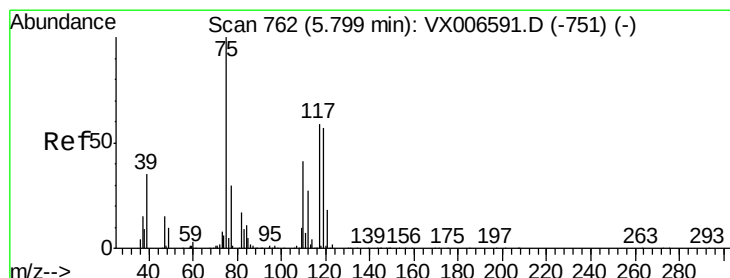
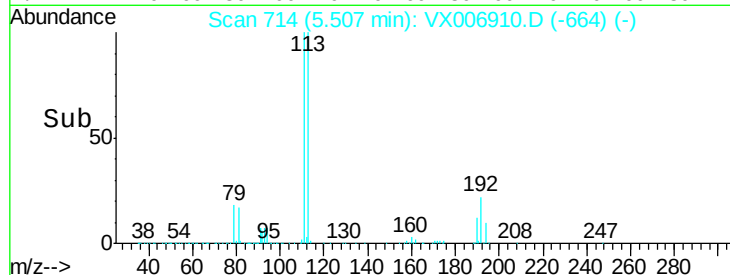
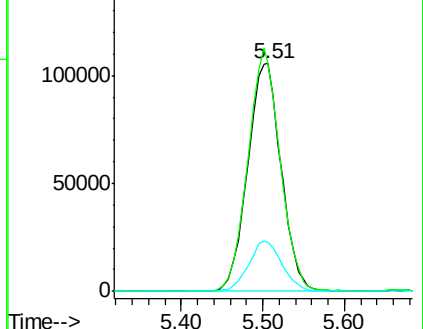
192 22.1 16.7 25.1



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: 5.034 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

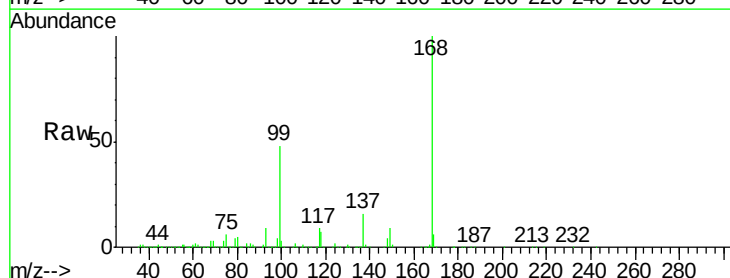
Tgt Ion: 75 Resp: 41104

Ion Ratio Lower Upper

75 100

110 10.6 20.2 60.5#

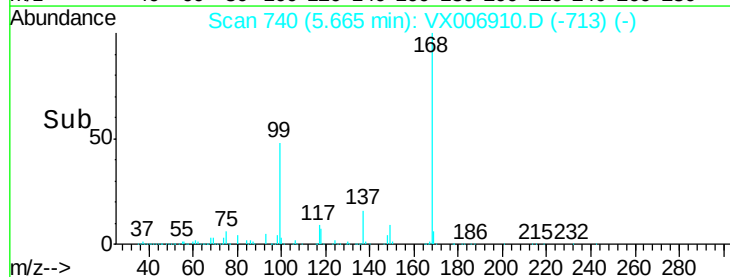
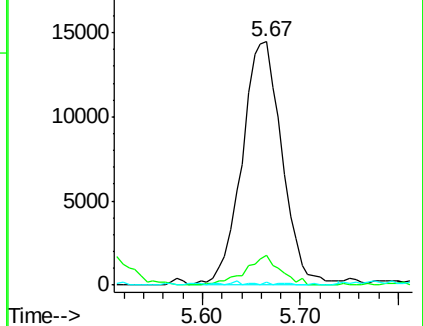
77 0.1 24.8 37.2#

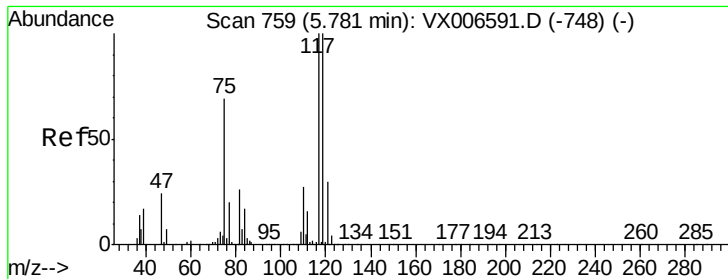


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.413 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

Instrument :

MSVOA_X

ClientSampled :

VX0104WBL01

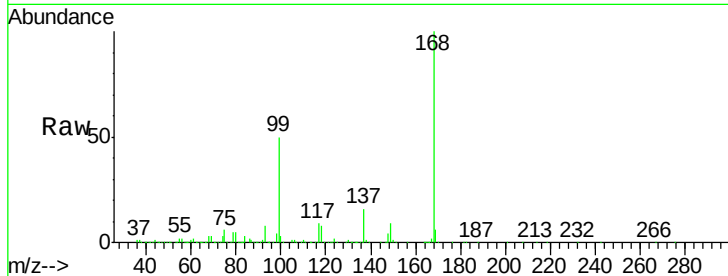
Tot Ion:117 Resp: 58830

Ion Ratio Lower Upper

117 100

119 4.2 79.4 119.2#

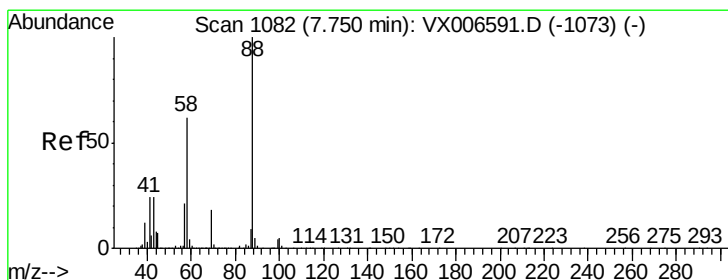
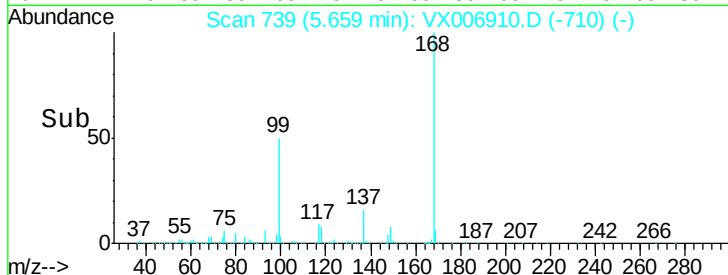
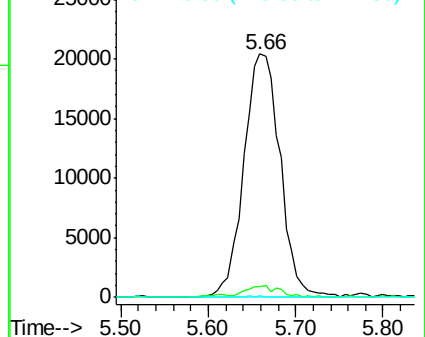
121 0.5 24.0 36.0#



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# 1083

Delta R.T. 0.01 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

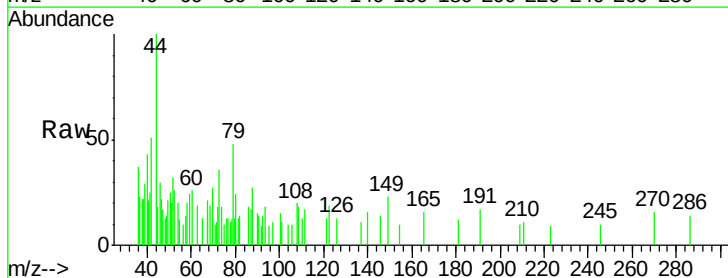
Tgt Ion: 88 Resp: 219

Ion Ratio Lower Upper

88 100

43 141.1 22.2 33.4#

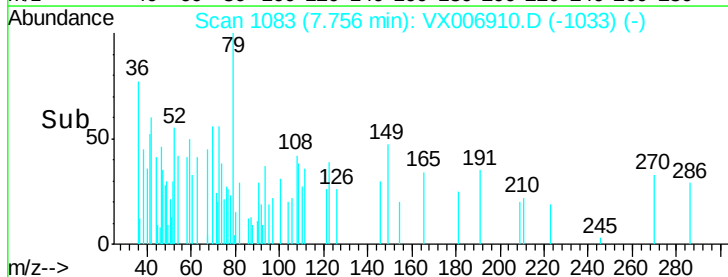
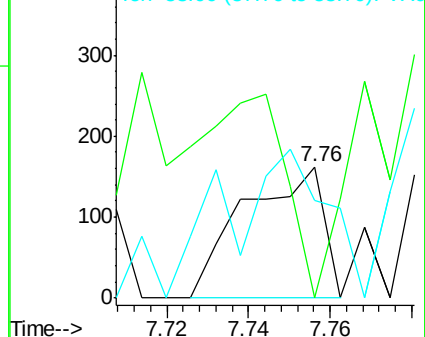
58 94.5 51.0 76.4#

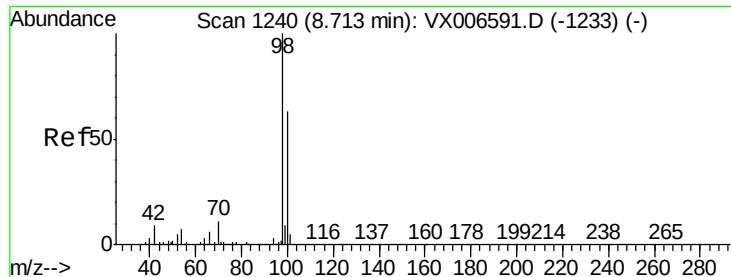


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.971 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

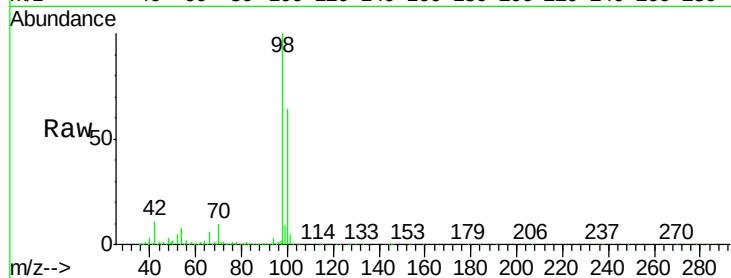
VX0104WBL01

Tot Ion: 98 Resp: 1151115

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

800000

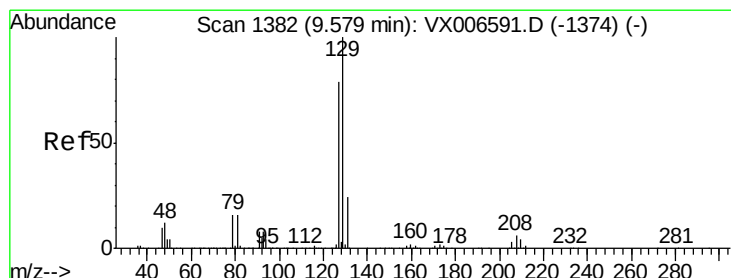
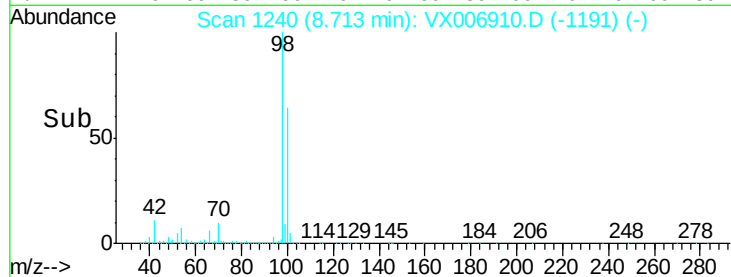
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 2.352 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX006910.D

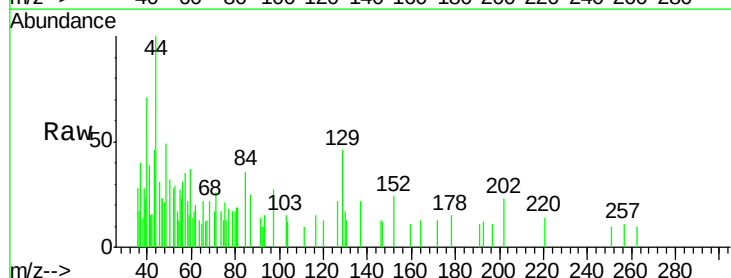
Acq: 04 Jan 2019 13:49

Tgt Ion: 129 Resp: 197

Ion Ratio Lower Upper

129 100

127 89.8 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

250

200

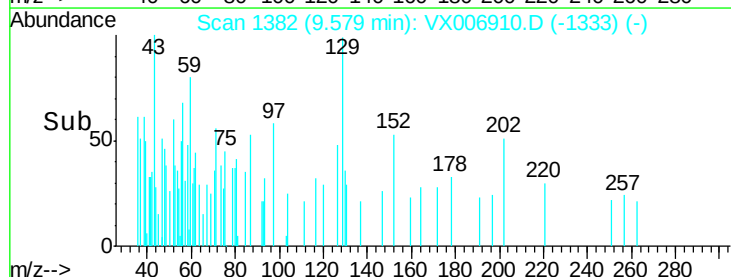
150

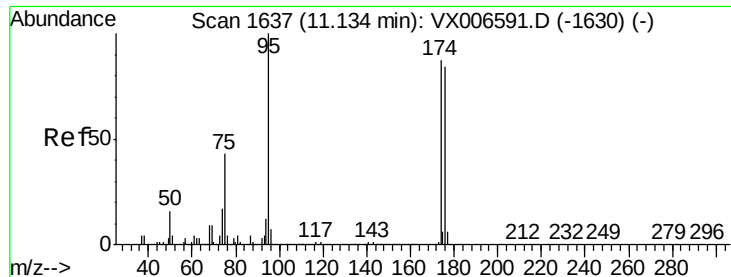
100

50

0

Time-->

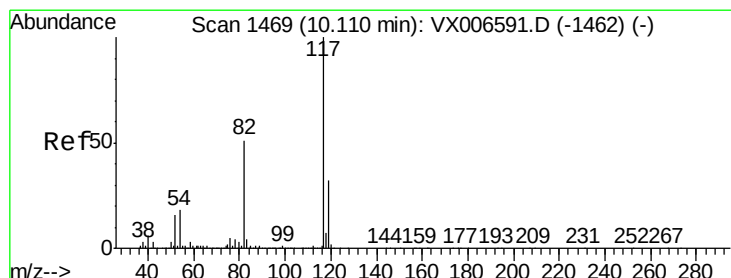
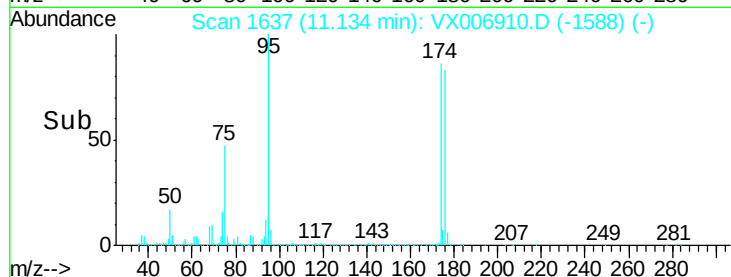
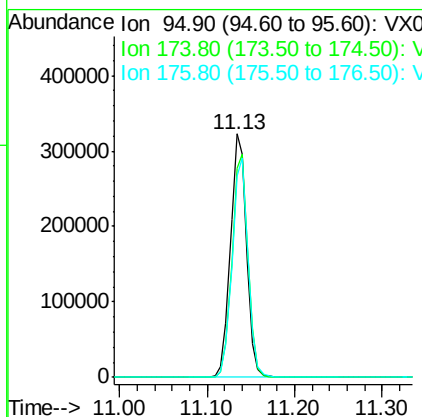
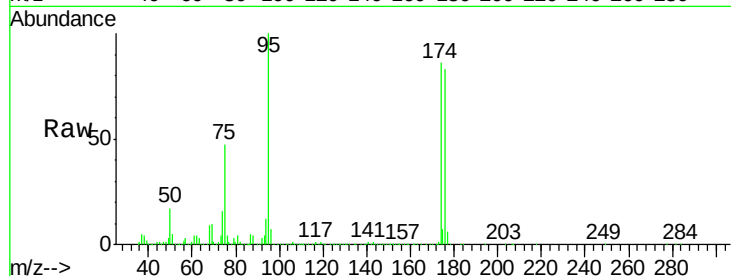




#62
4-Bromofluorobenzene
Concen: 48.160 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006910.D
Acq: 04 Jan 2019 13:49

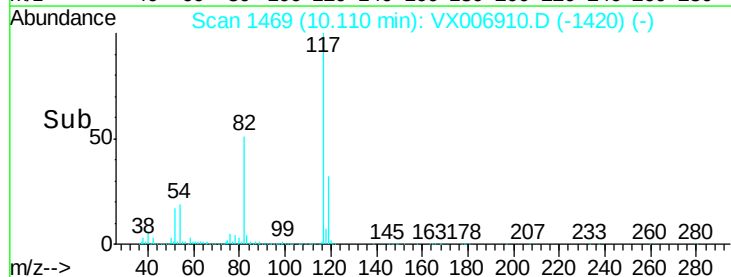
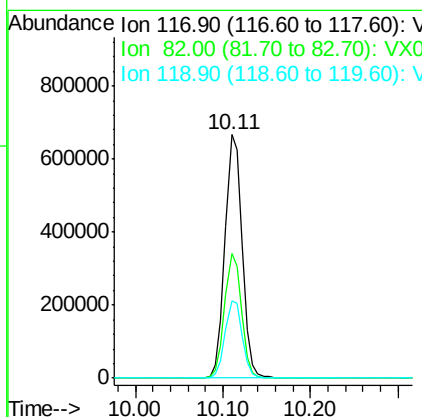
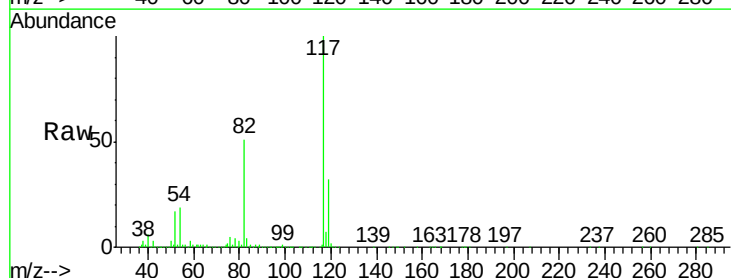
Instrument :
MSVOA_X
ClientSampleId :
VX0104WBL01

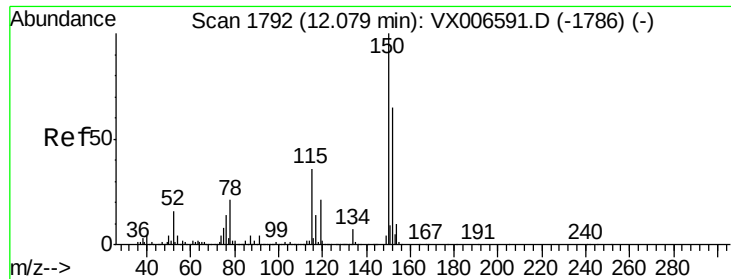
Tot Ion: 95 Resp: 414599
Ion Ratio Lower Upper
95 100
174 91.7 0.0 182.2
176 89.7 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006910.D
Acq: 04 Jan 2019 13:49

Tgt Ion: 117 Resp: 902319
Ion Ratio Lower Upper
117 100
82 51.1 41.0 61.6
119 31.8 25.4 38.0

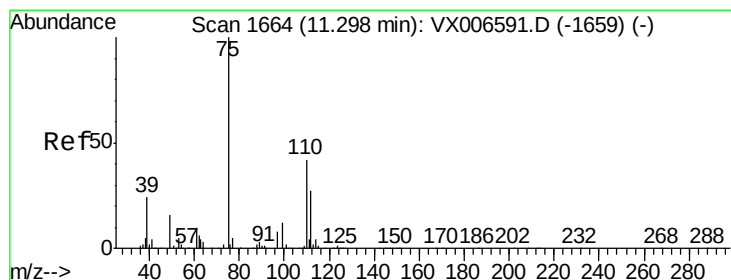
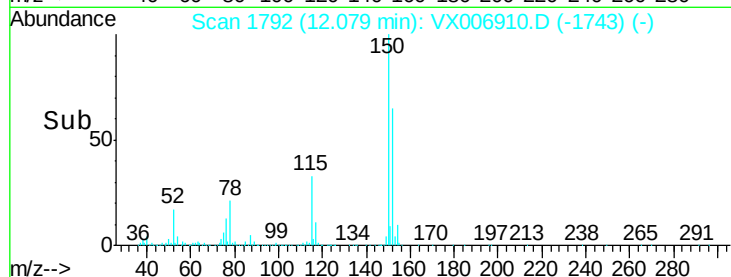
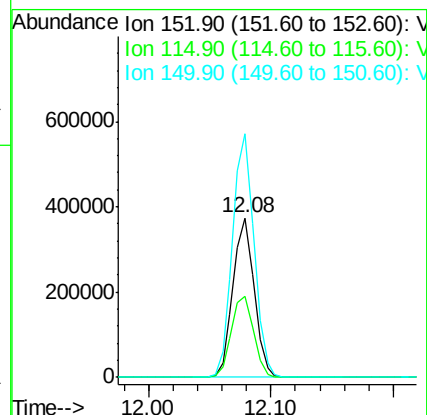
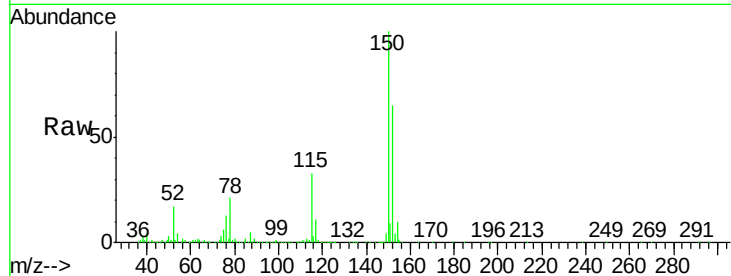




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX006910.D
 Acq: 04 Jan 2019 13:49

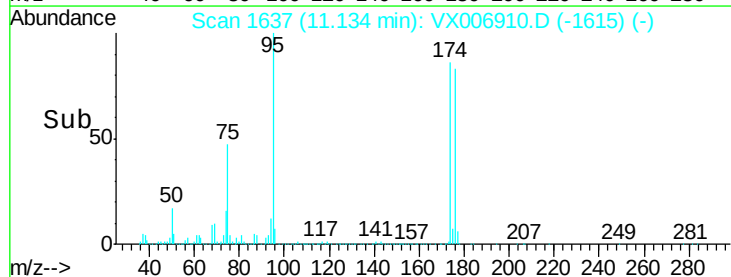
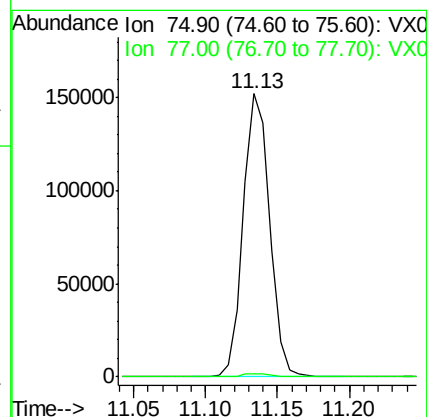
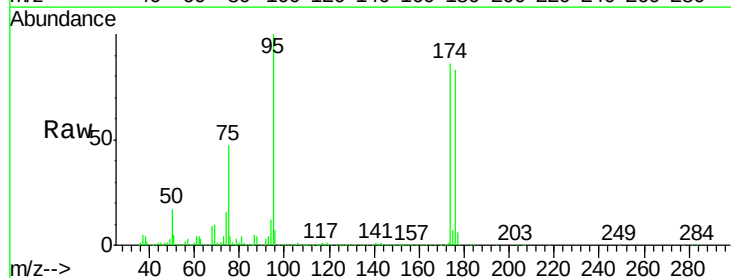
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBL01

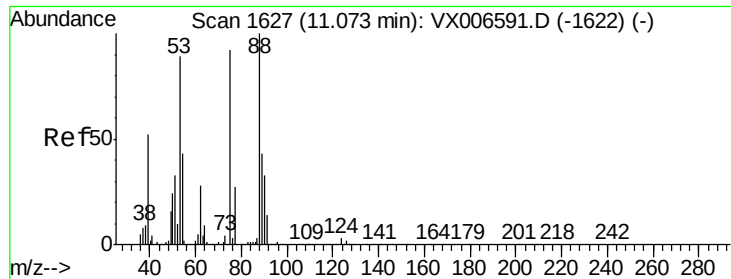
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.4	39.1	117.2
150	154.2	0.0	344.8



#76
 1,2,3-Trichloropropane
 Concen: 23.253 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006910.D
 Acq: 04 Jan 2019 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	18.5	55.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 69.006 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBL01

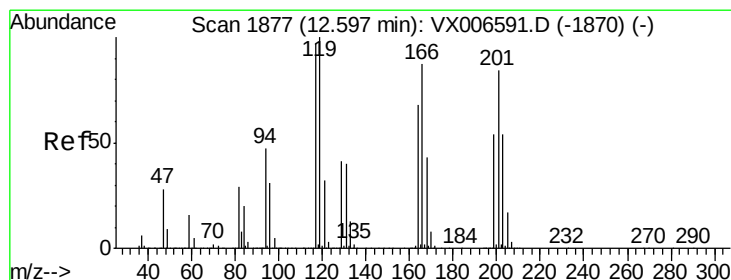
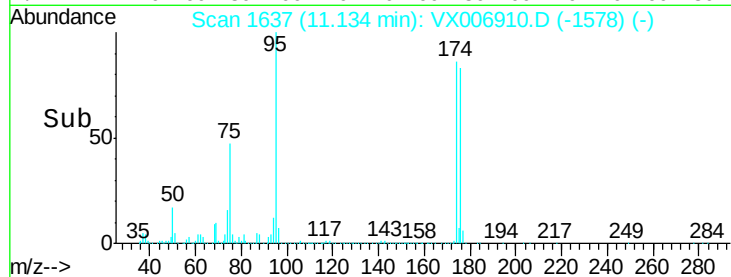
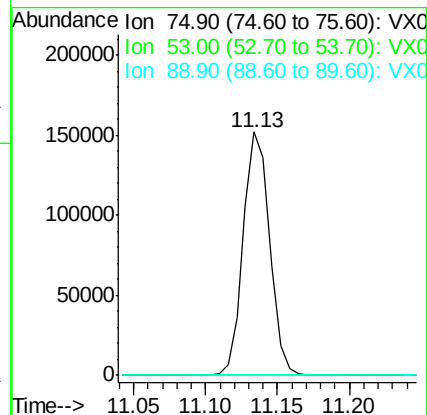
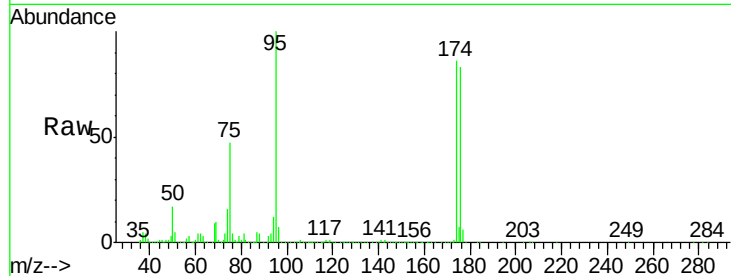
Tot Ion: 75 Resp: 194072

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.1 38.0 57.0#



#90

Hexachloroethane

Concen: 3.307 ug/l

RT: 12.45 min Scan# 1853

Delta R.T. -0.15 min

Lab File: VX006910.D

Acq: 04 Jan 2019 13:49

Tgt Ion: 117 Resp: 62

Ion Ratio Lower Upper

117 100

201 48.4 42.9 128.7

