

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010097.D
 Acq On : 06 Jun 2019 00:15
 Operator : JC/SP
 Sample : K3203-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:38:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	172886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	275408	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113248	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	112082	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	
35) Dibromofluoromethane	5.50	113	83144	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	8.71	98	346699	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	118990	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

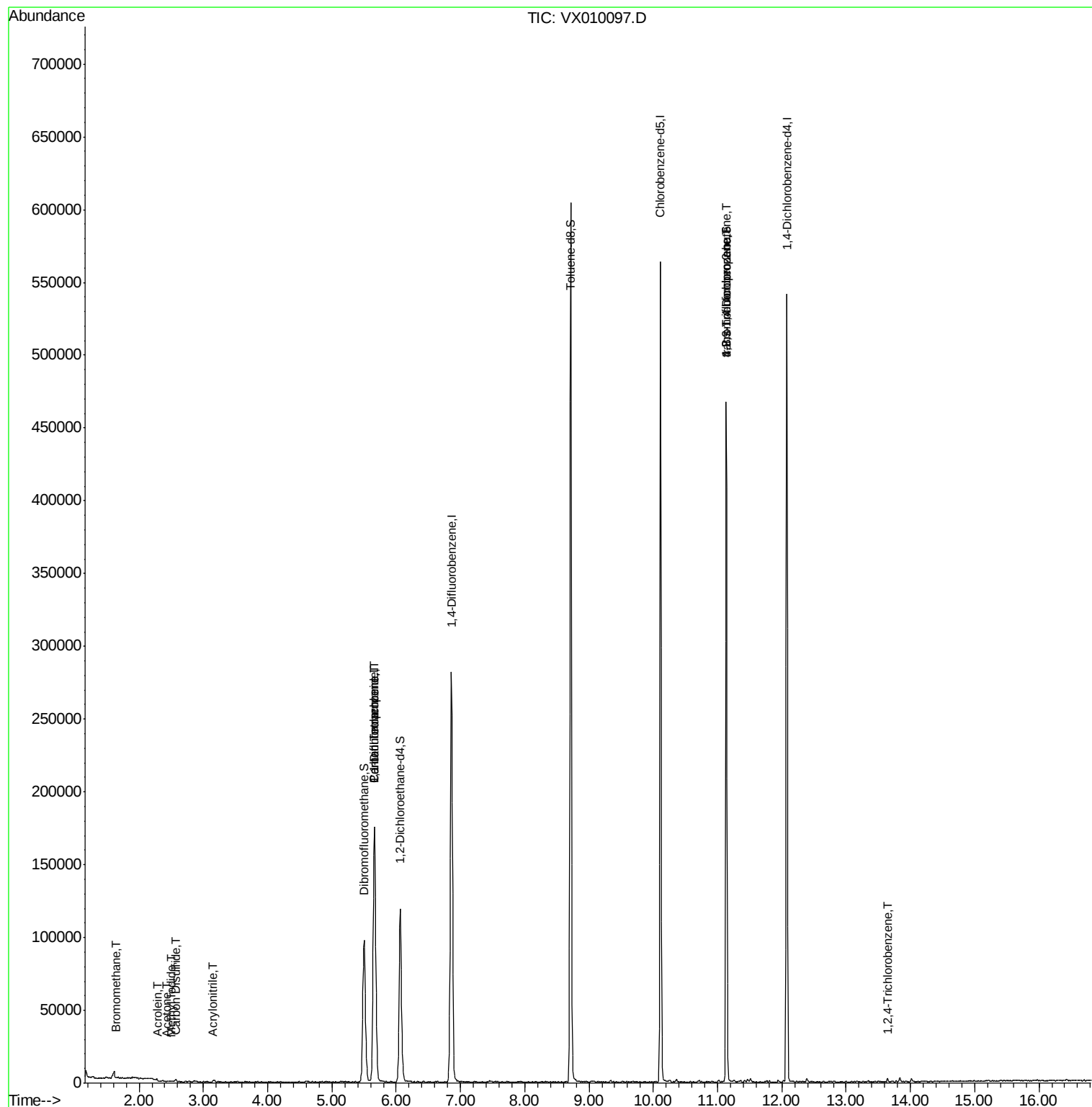
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	419	0.270	ug/l	89
10) Methyl Iodide	2.51	142	585	4.907	ug/l #	86
13) Acrolein	2.29	56	241	21.615	ug/l #	71
15) Acrylonitrile	3.15	53	506	0.349	ug/l #	79
16) Acetone	2.43	43	579	0.410	ug/l	94
17) Carbon Disulfide	2.57	76	1734	0.709	ug/l #	92
36) 1,1-Dichloropropene	5.66	75	13093	4.686	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15904	6.586	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	61037	22.539	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61037	55.764	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	613	0.229	ug/l	94

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
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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: VX010097.D

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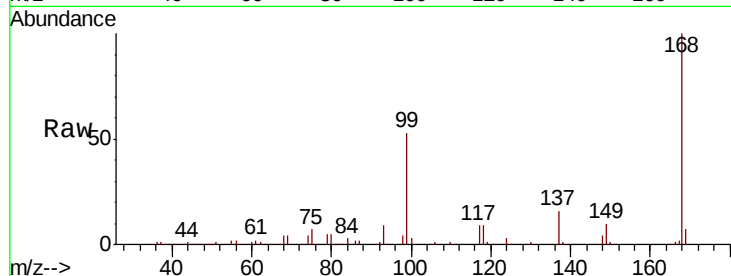
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 172886

Ion Ratio Lower Upper

168 100

99 52.9 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

60000

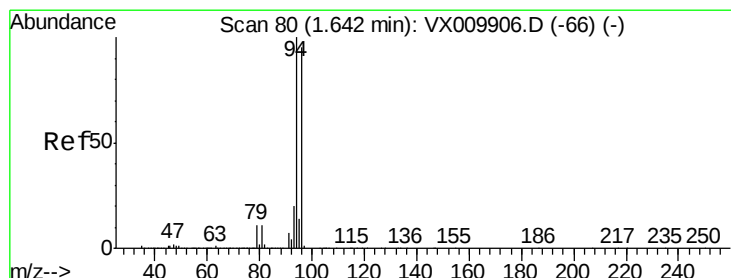
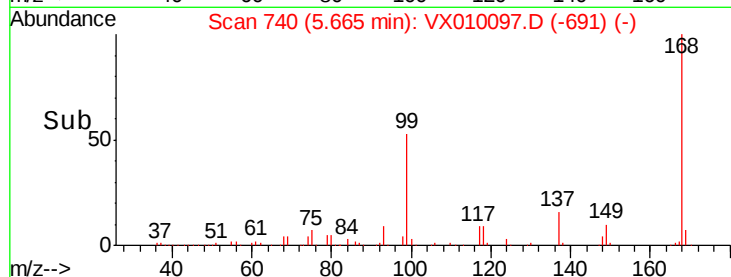
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.270 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX010097.D

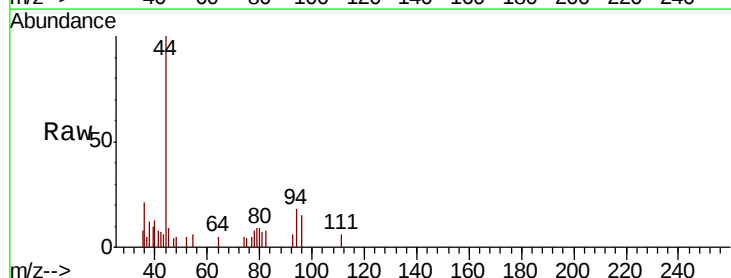
Acq: 06 Jun 2019 00:15

Tgt Ion: 94 Resp: 419

Ion Ratio Lower Upper

94 100

96 84.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

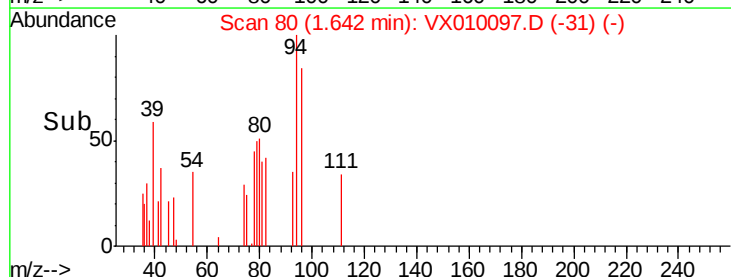
100

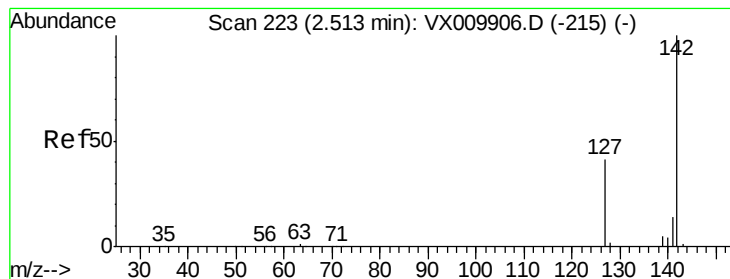
50

0

Time-->

1.62 1.64 1.66 1.68





#10

Methvl Iodide

Concen: 4.907 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX010097.D

Acq: 06 Jun 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

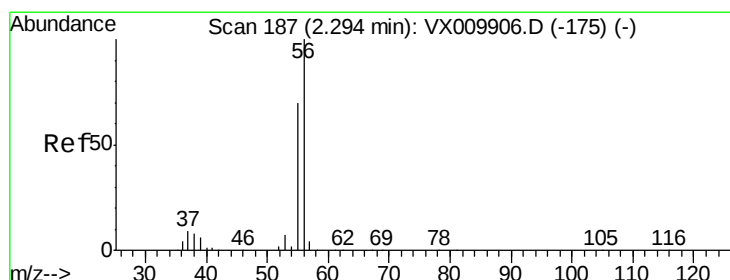
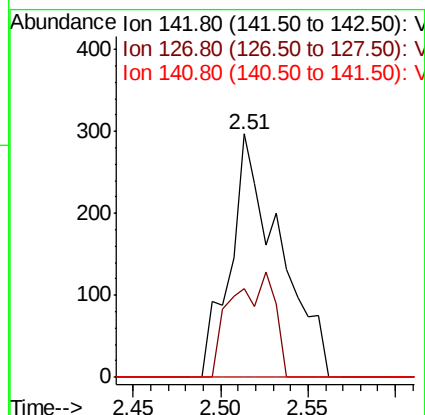
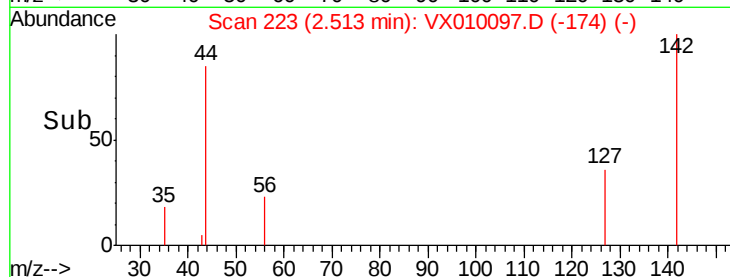
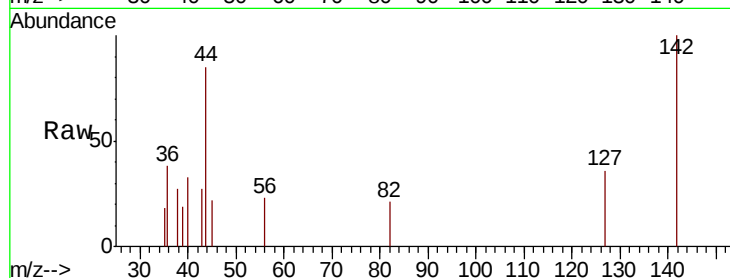
Tot Ion:142 Resp: 585

Ion Ratio Lower Upper

142 100

127 37.3 33.0 49.4

141 0.0 11.4 17.0#



#13

Acrolein

Concen: 21.615 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010097.D

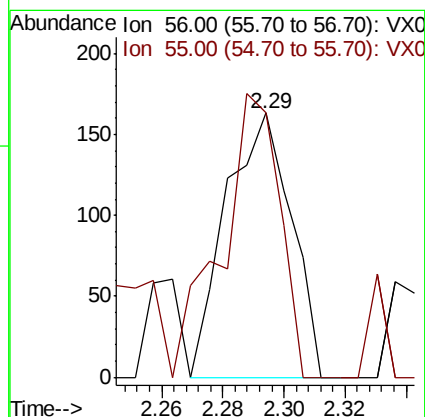
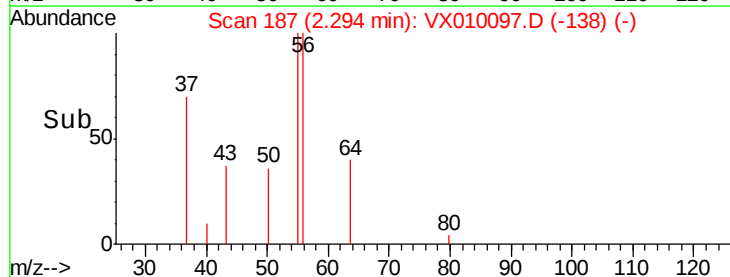
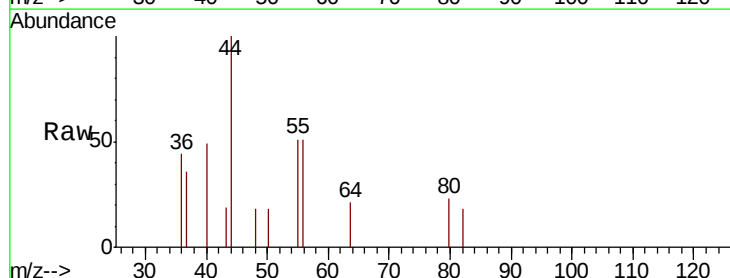
Acq: 06 Jun 2019 00:15

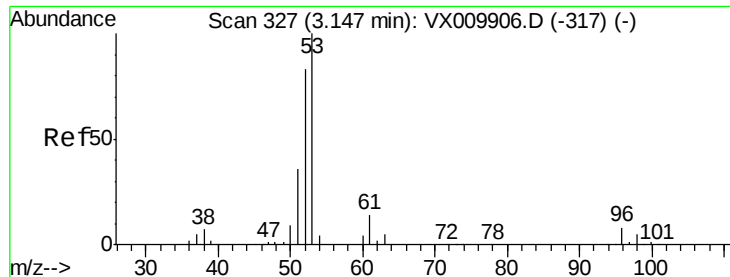
Tgt Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 95.4 57.0 85.4#





#15

Acrylonitrile

Concen: 0.349 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX010097.D

Acq: 06 Jun 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

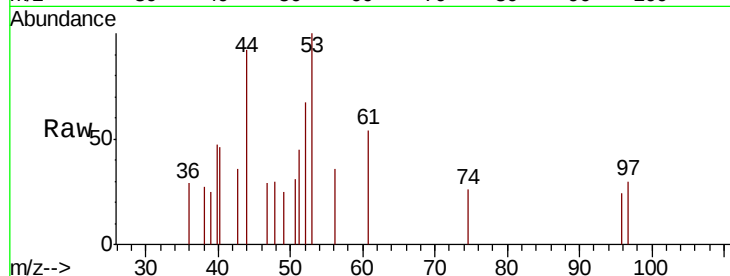
Tot Ion: 53 Resp: 506

Ion Ratio Lower Upper

53 100

52 68.0 66.7 100.1

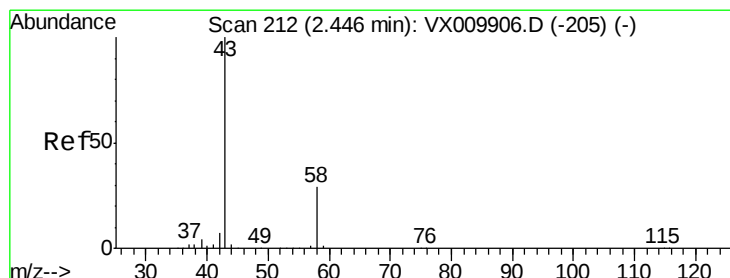
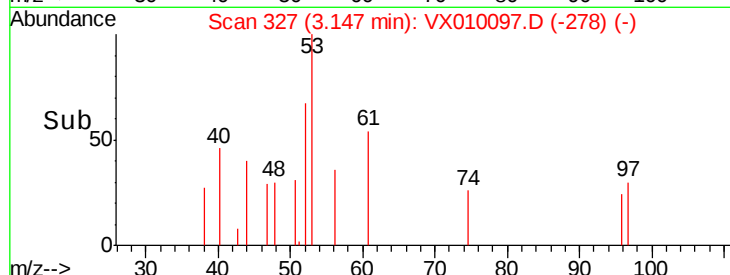
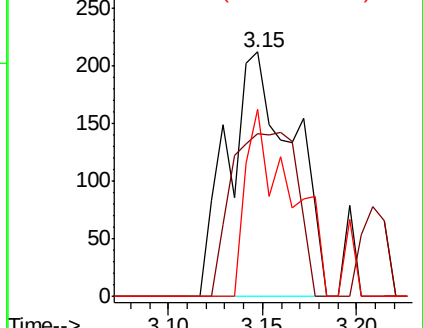
51 53.0 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.410 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX010097.D

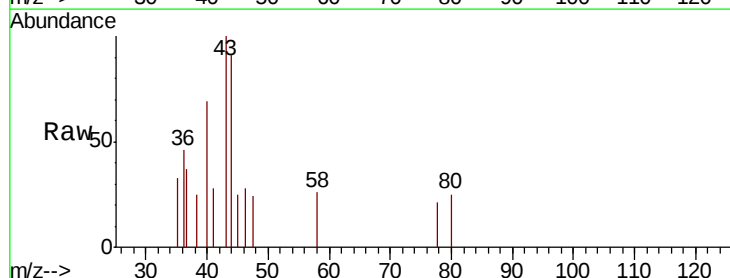
Acq: 06 Jun 2019 00:15

Tgt Ion: 43 Resp: 579

Ion Ratio Lower Upper

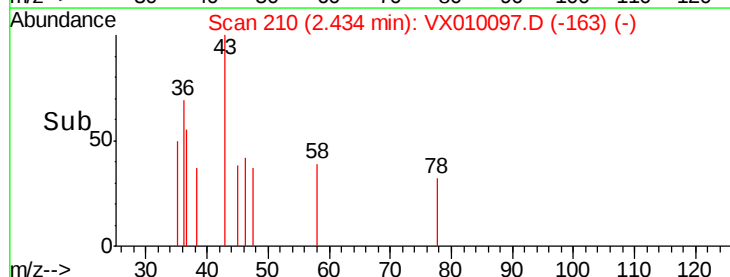
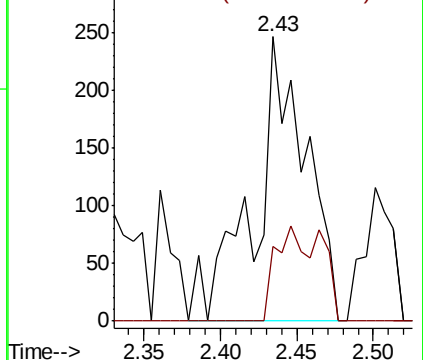
43 100

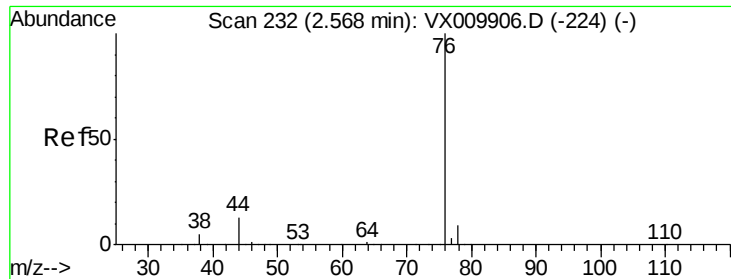
58 26.0 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

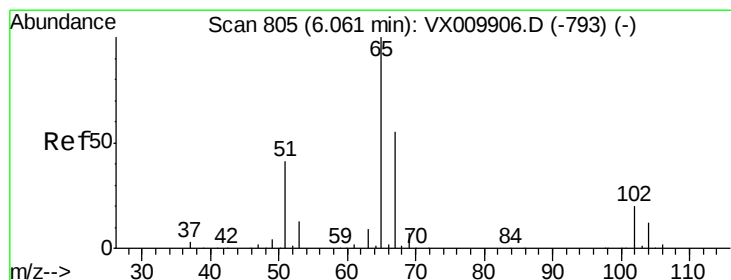
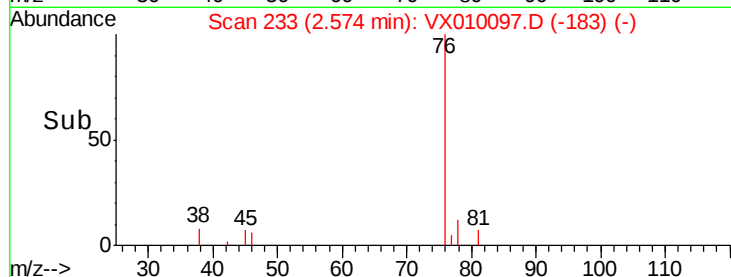
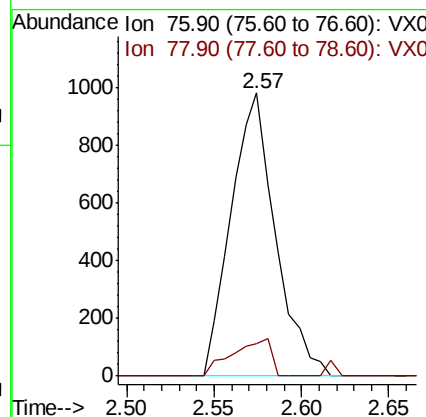
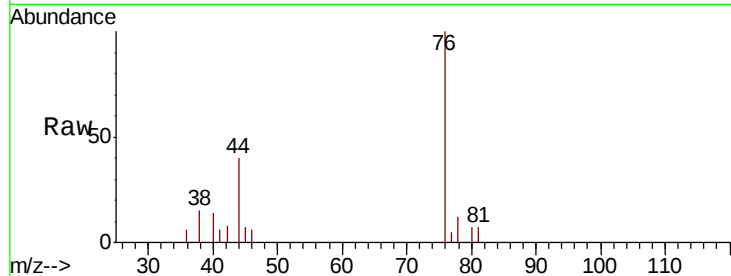




#17
Carbon Disulfide
Concen: 0.709 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX010097.D
Acq: 06 Jun 2019 00:15

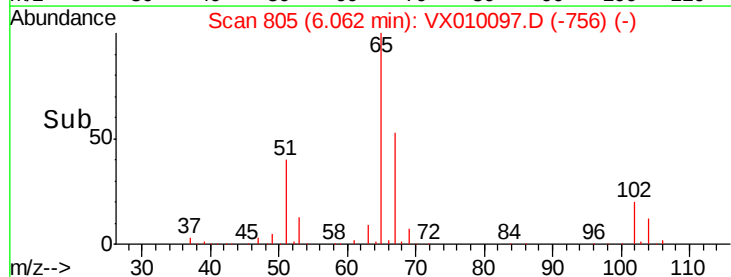
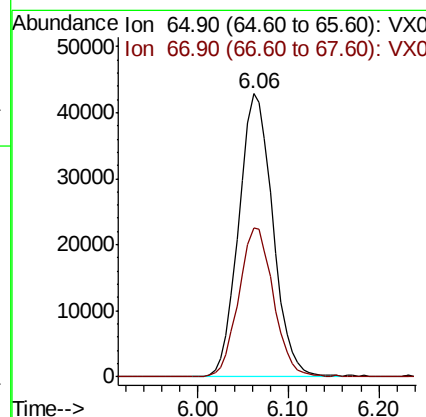
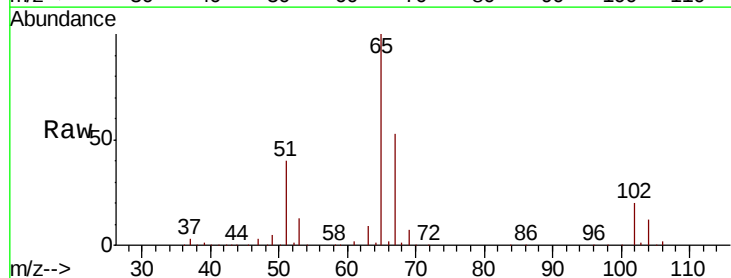
Instrument :
MSVOA_X
ClientSampled :

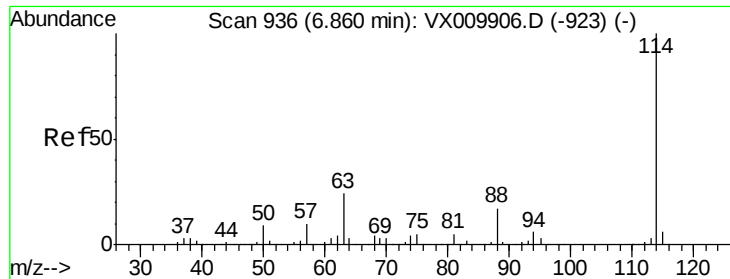
Tot Ion: 76 Resp: 1734
Ion Ratio Lower Upper
76 100
78 11.5 7.0 10.6#



#33
1,2-Dichloroethane-d4
Concen: 45.895 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010097.D
Acq: 06 Jun 2019 00:15

Tgt Ion: 65 Resp: 112082
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.4

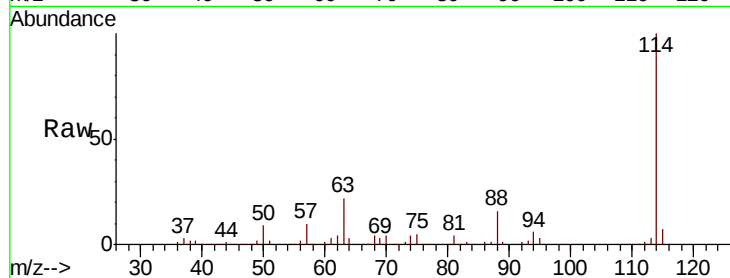




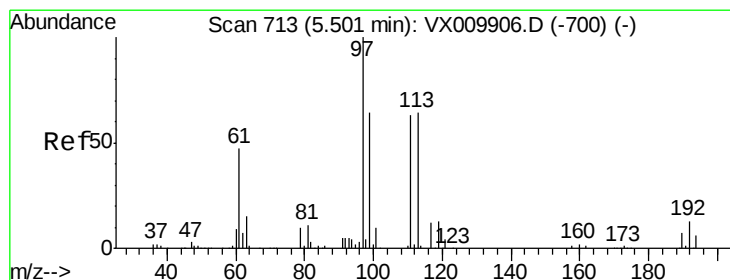
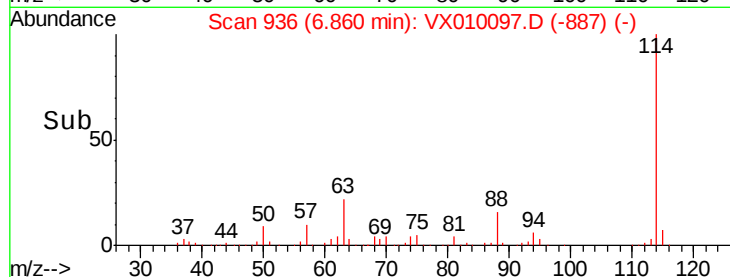
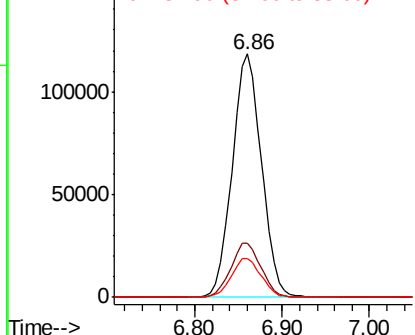
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010097.D
Acq: 06 Jun 2019 00:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 275408
Ion Ratio Lower Upper
114 100
63 22.4 0.0 47.4
88 16.0 0.0 33.0

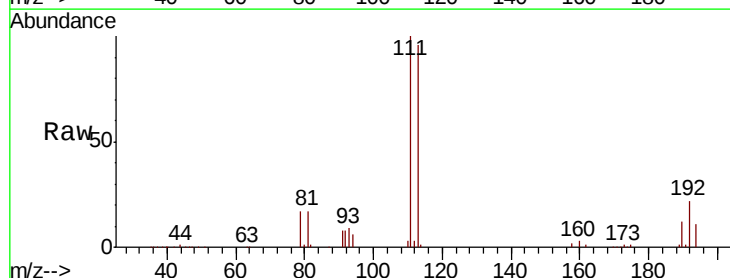


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

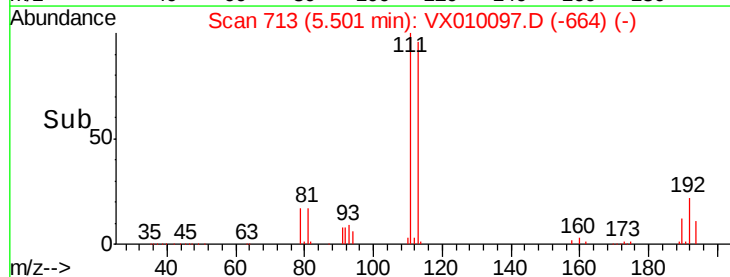
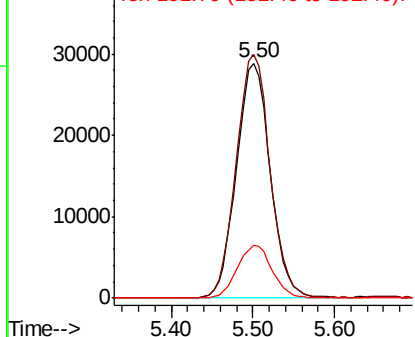


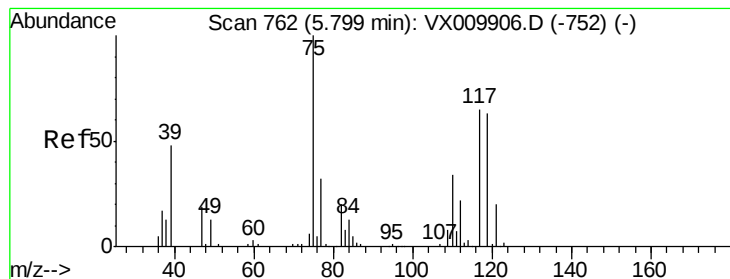
#35
Dibromofluoromethane
Concen: 48.019 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010097.D
Acq: 06 Jun 2019 00:15

Tgt Ion:113 Resp: 83144
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 23.1 17.1 25.7



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: 4.686 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010097.D

Acq: 06 Jun 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

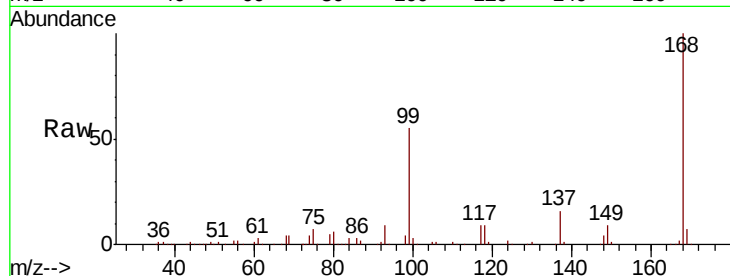
Tot Ion: 75 Resp: 13093

Ion Ratio Lower Upper

75 100

110 9.0 16.7 50.1#

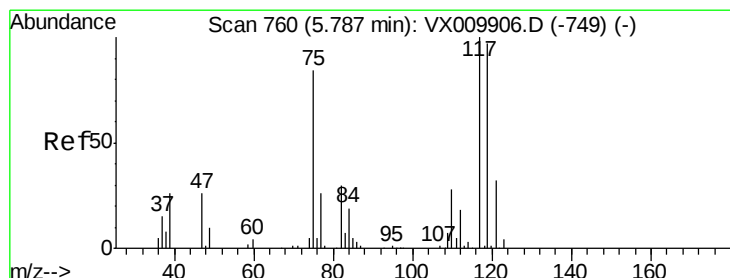
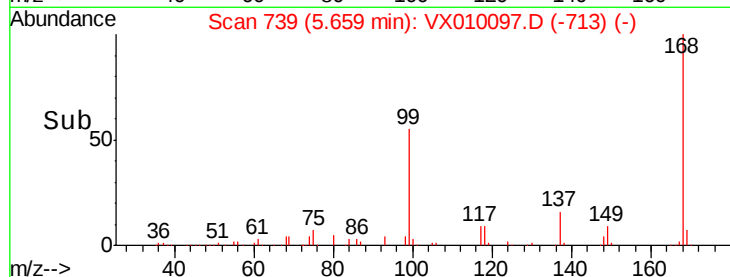
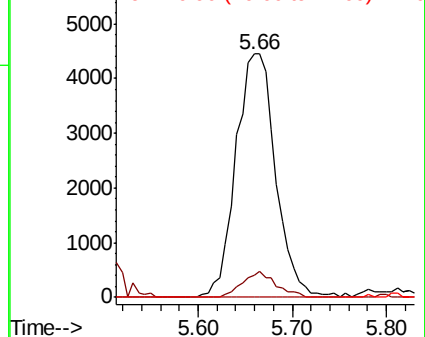
77 0.0 25.0 37.4#



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: 6.586 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010097.D

Acq: 06 Jun 2019 00:15

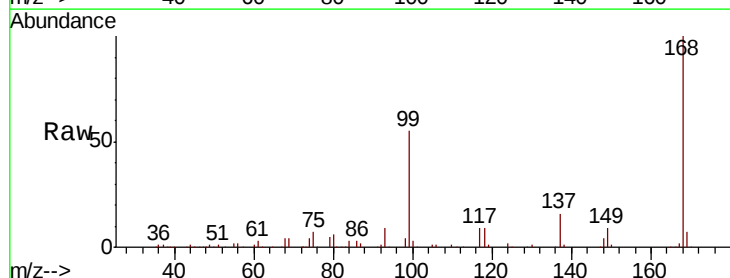
Tgt Ion: 117 Resp: 15904

Ion Ratio Lower Upper

117 100

119 5.9 77.3 115.9#

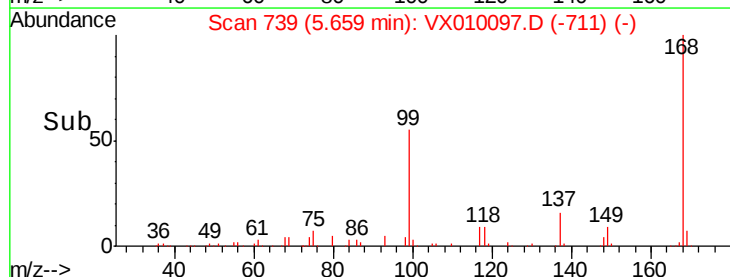
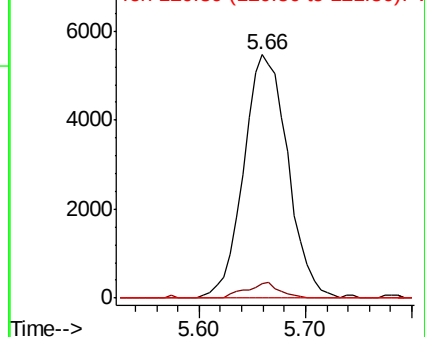
121 0.0 25.4 38.0#

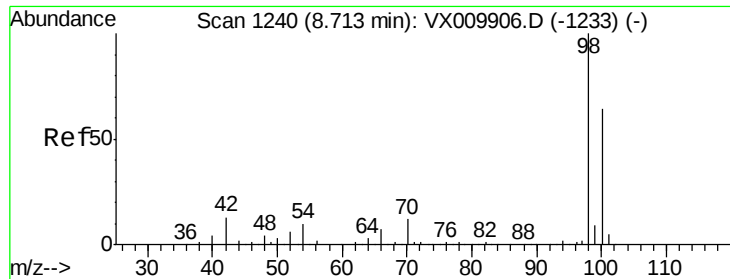


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

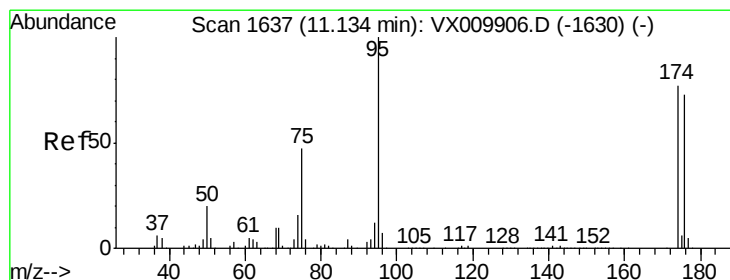
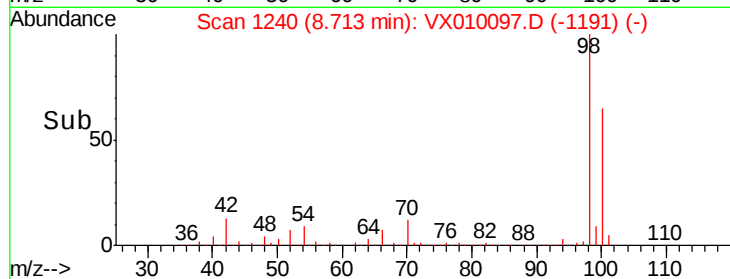
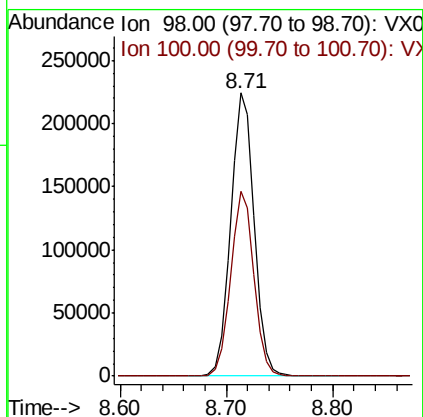
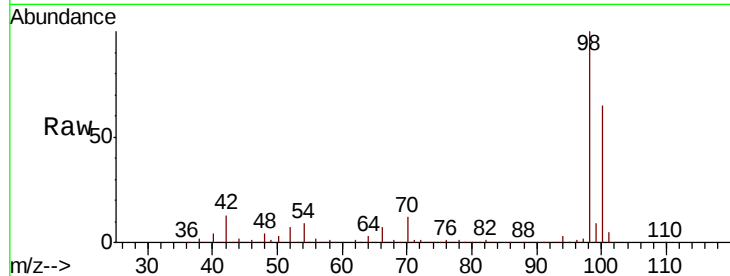




#50
Toluene-d8
Concen: 49.308 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010097.D
Acq: 06 Jun 2019 00:15

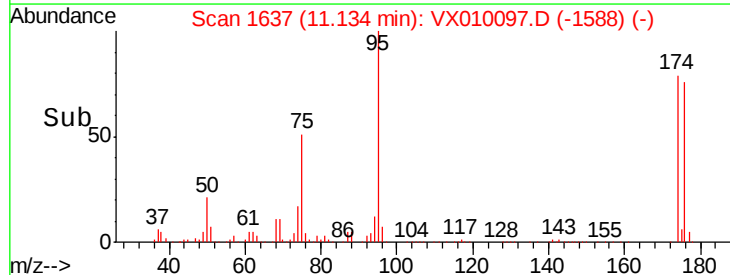
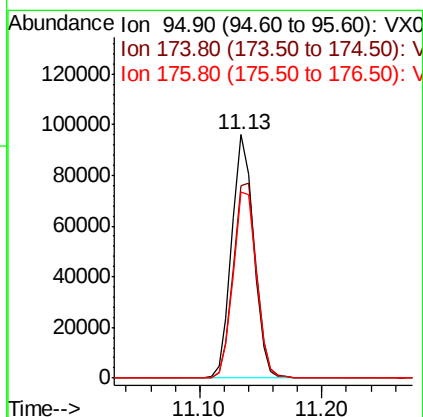
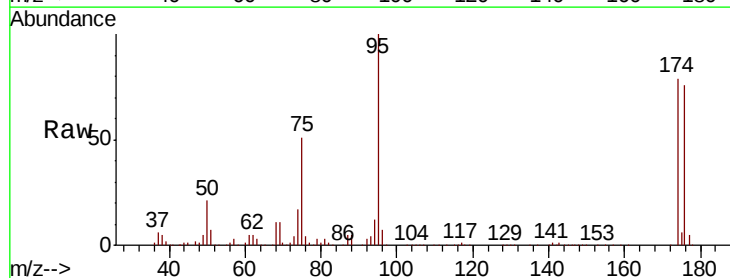
Instrument :
MSVOA_X
ClientSampled :

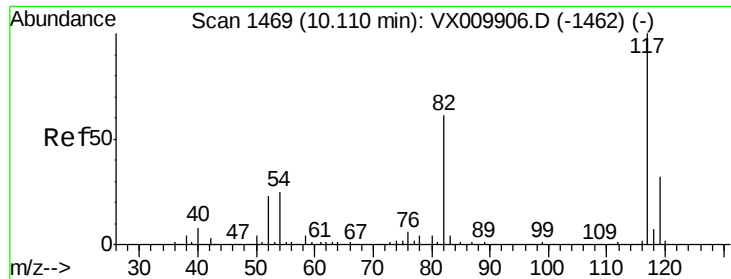
Tot Ion: 98 Resp: 346699
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 47.116 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010097.D
Acq: 06 Jun 2019 00:15

Tgt Ion: 95 Resp: 118990
Ion Ratio Lower Upper
95 100
174 84.6 0.0 160.4
176 81.1 0.0 154.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010097.D

Acq: 06 Jun 2019 00:15

Instrument :

MSVOA_X

ClientSampled :

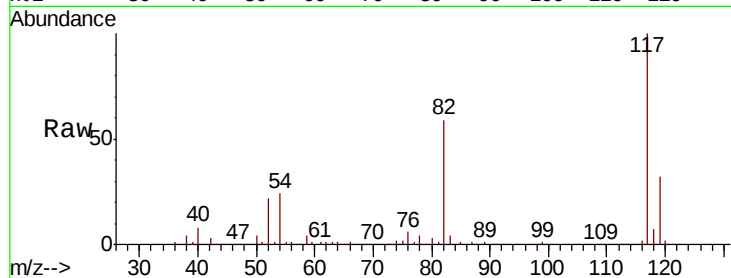
Tot Ion:117 Resp: 249332

Ion Ratio Lower Upper

117 100

82 59.0 49.2 73.8

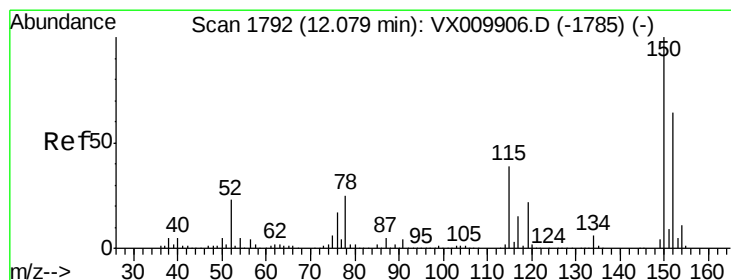
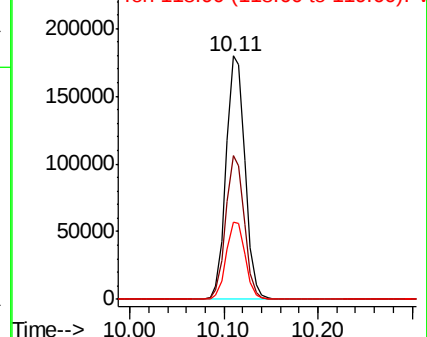
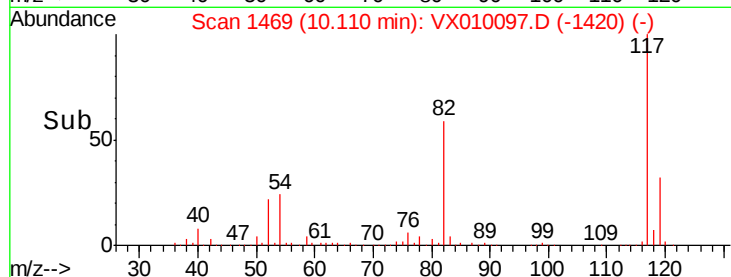
119 31.9 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010097.D

Acq: 06 Jun 2019 00:15

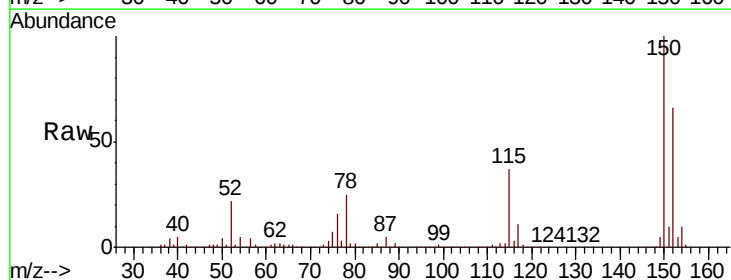
Tgt Ion:152 Resp: 113248

Ion Ratio Lower Upper

152 100

115 58.2 41.4 124.2

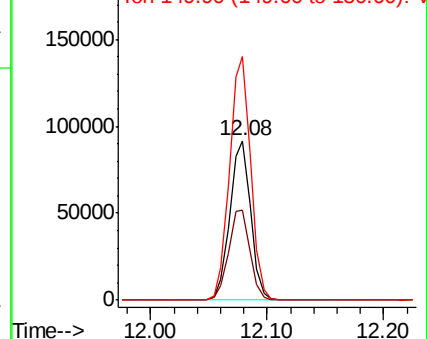
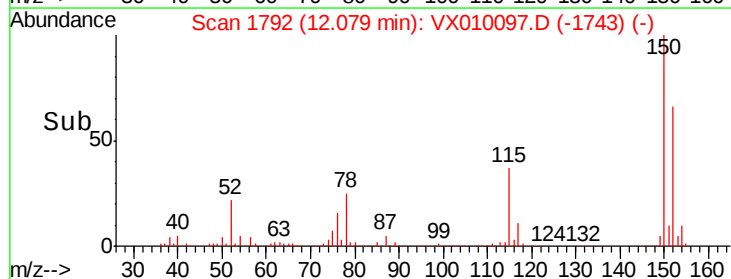
150 154.6 0.0 345.2

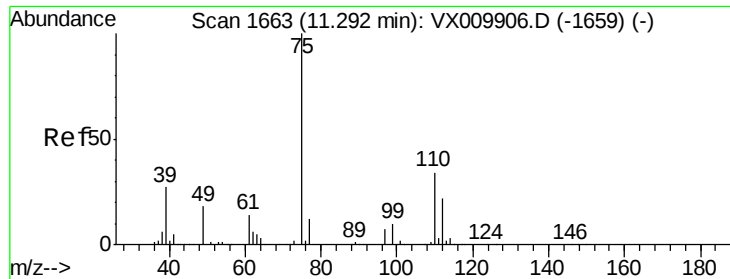


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

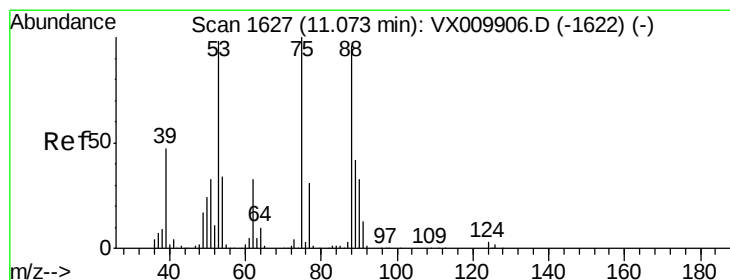
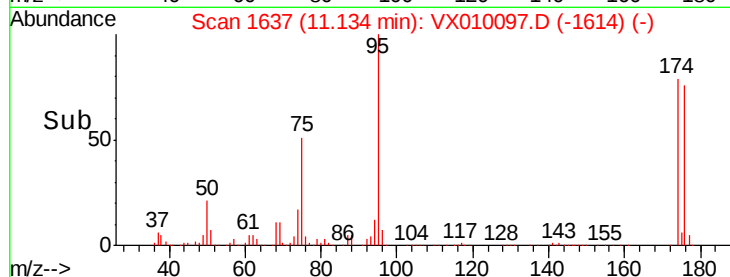
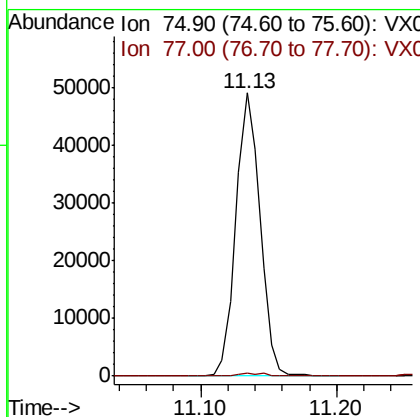
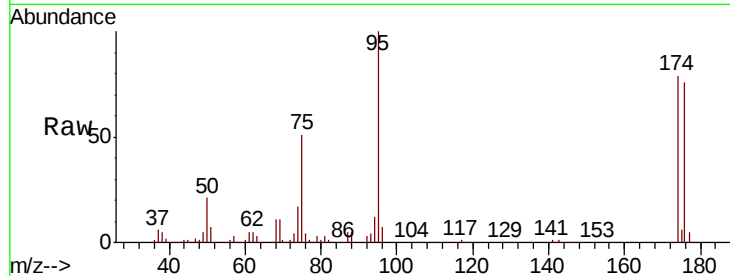




#76
 1,2,3-Trichloropropane
 Concen: 22.539 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010097.D
 Acq: 06 Jun 2019 00:15

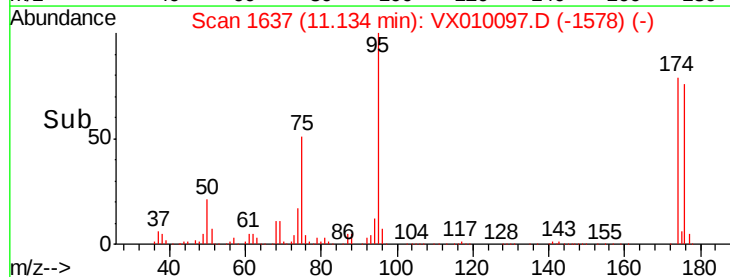
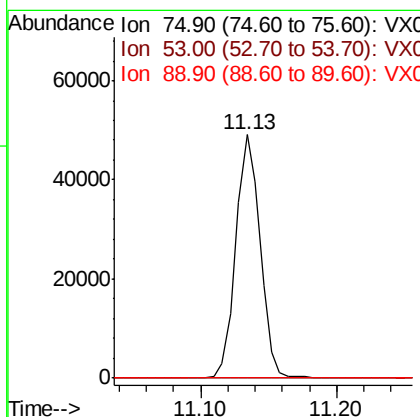
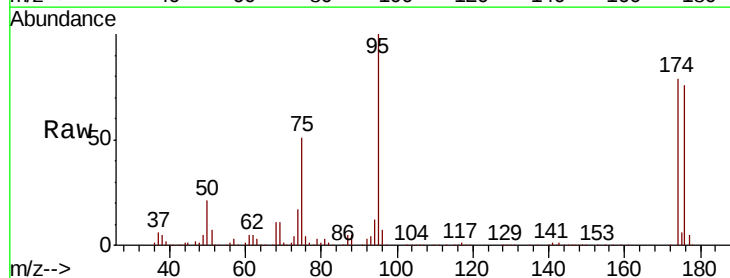
Instrument :
 MSVOA_X
 ClientSampleId :

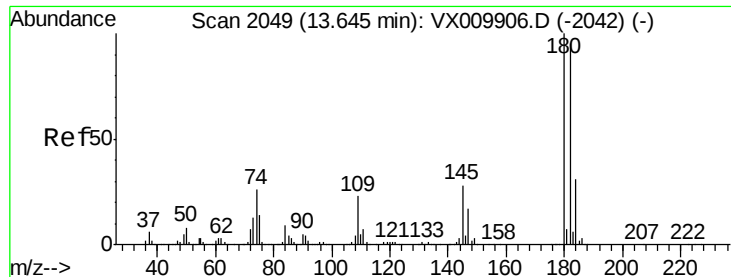
Tot Ion: 75 Resp: 61037
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.764 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010097.D
 Acq: 06 Jun 2019 00:15

Tgt Ion: 75 Resp: 61037
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.0 34.2 51.4#





#93

1,2,4-Trichlorobenzene

Concen: 0.229 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010097.D

Acq: 06 Jun 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

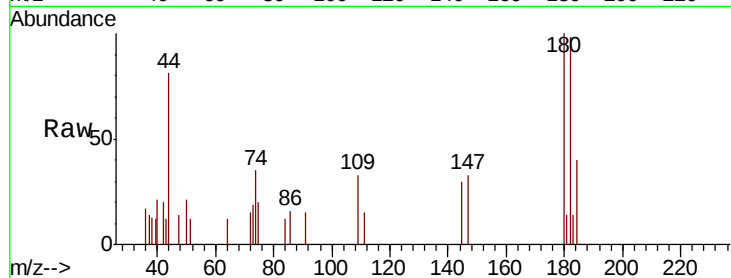
Tot Ion:180 Resp: 613

Ion Ratio Lower Upper

180 100

182 96.4 47.4 142.2

145 39.0 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

