

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010094.D
 Acq On : 05 Jun 2019 23:05
 Operator : JC/SP
 Sample : VX0605WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

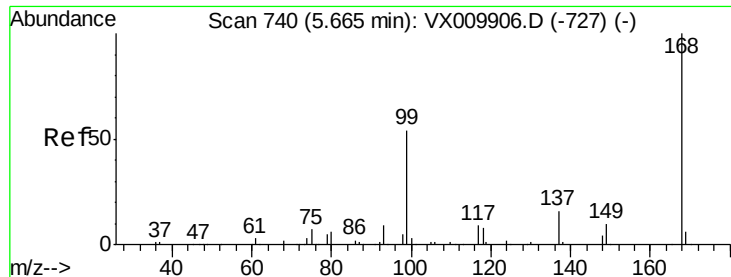
Quant Time: Jun 06 06:37:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	178384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	281093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114081	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	124012	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	5.50	113	92304	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
50) Toluene-d8	8.71	98	382871	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
62) 4-Bromofluorobenzene	11.13	95	130149	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	659	0.412	ug/l	90
10) Methyl Iodide	2.51	142	350	4.802	ug/l #	88
11) Tert butyl alcohol	3.02	59	3829	6.175	ug/l #	80
13) Acrolein	2.28	56	279	21.678	ug/l	83
15) Acrylonitrile	3.15	53	359	0.240	ug/l #	87
16) Acetone	2.45	43	617	0.424	ug/l #	62
17) Carbon Disulfide	2.57	76	1661	0.686	ug/l #	80
25) 2-Butanone	4.70	43	950	0.419	ug/l #	54
36) 1,1-Dichloropropene	5.67	75	13934	4.886	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16946	6.876	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	67460	24.728	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67460	61.182	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010094.D

Acq: 05 Jun 2019 23:05

Instrument :

MSVOA_X

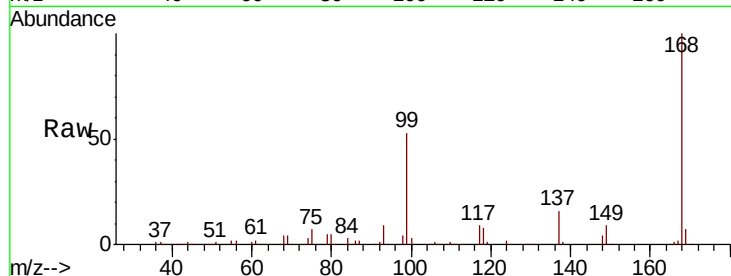
ClientSampleId :

Tot Ion:168 Resp: 178384

Ion Ratio Lower Upper

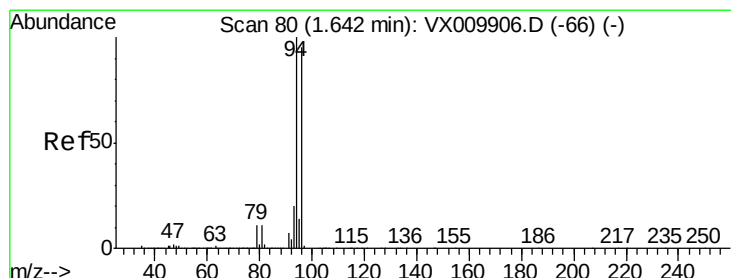
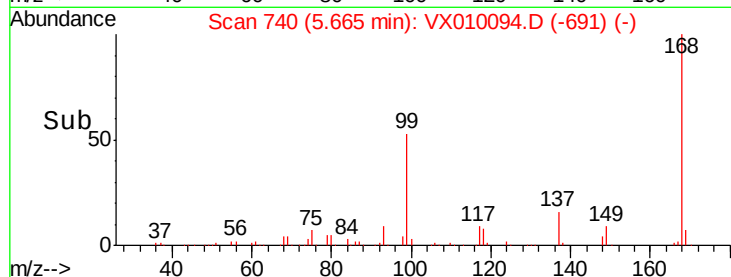
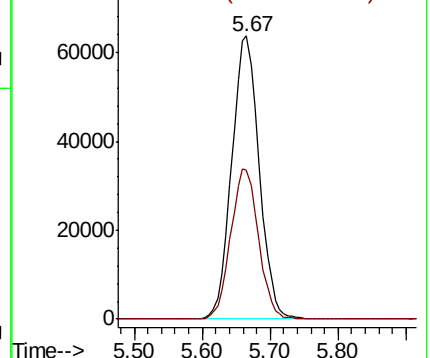
168 100

99 52.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.412 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010094.D

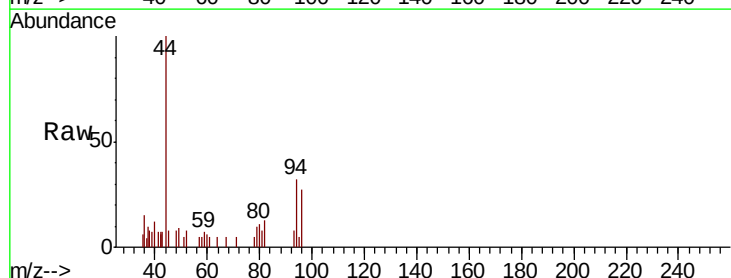
Acq: 05 Jun 2019 23:05

Tgt Ion: 94 Resp: 659

Ion Ratio Lower Upper

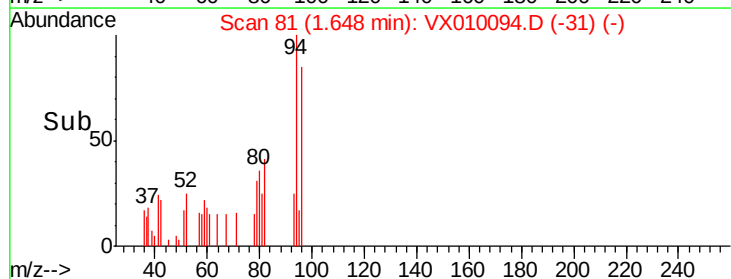
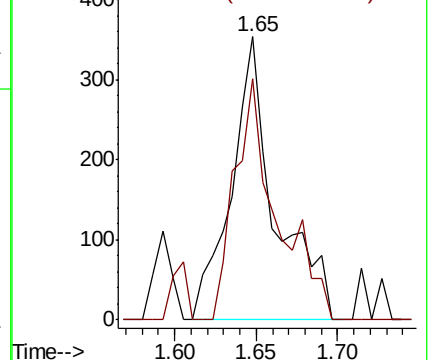
94 100

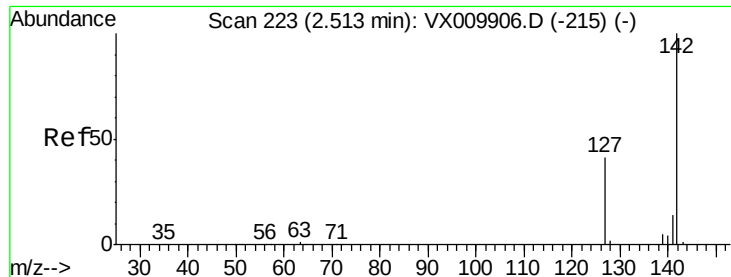
96 85.3 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

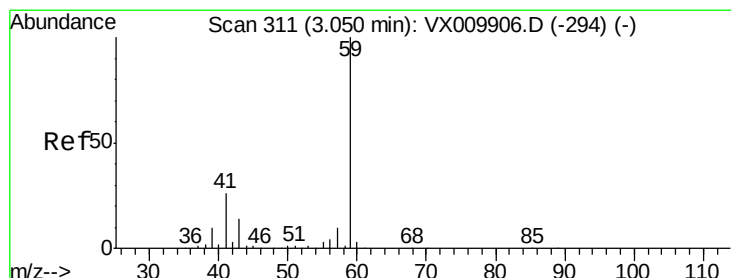
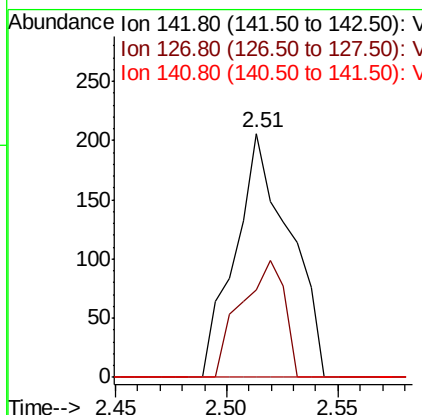
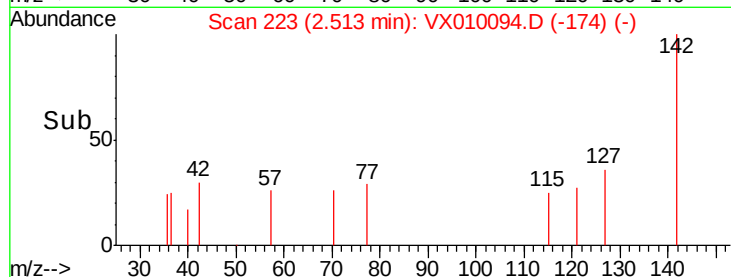
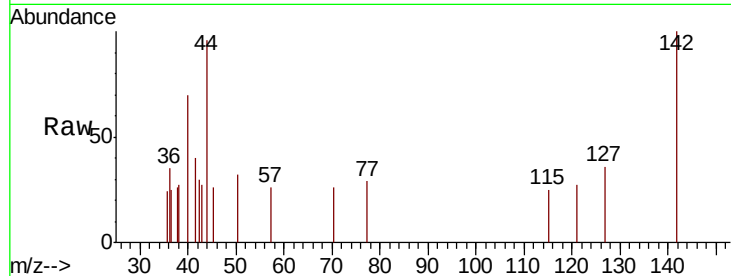




#10
Methvl Iodide
Concen: 4.802 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX010094.D
Acq: 05 Jun 2019 23:05

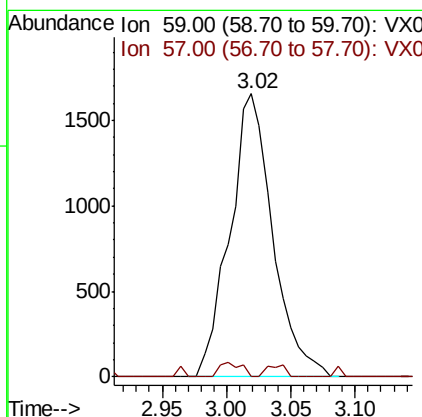
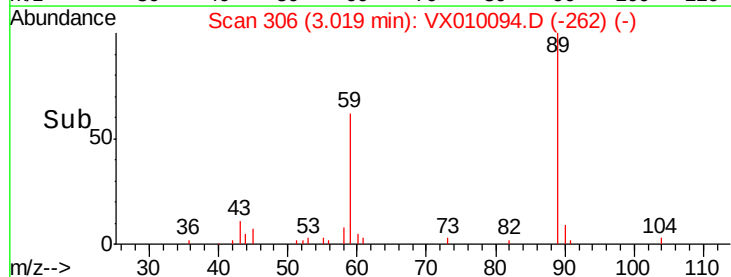
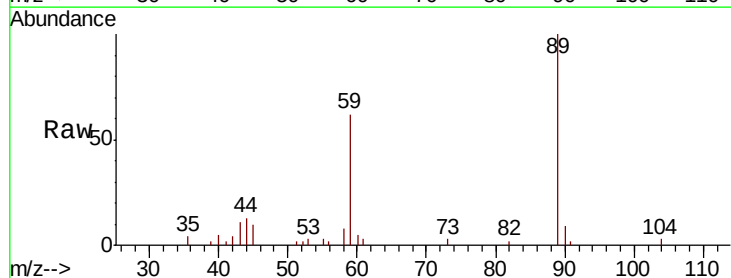
Instrument :
MSVOA_X
ClientSampled :

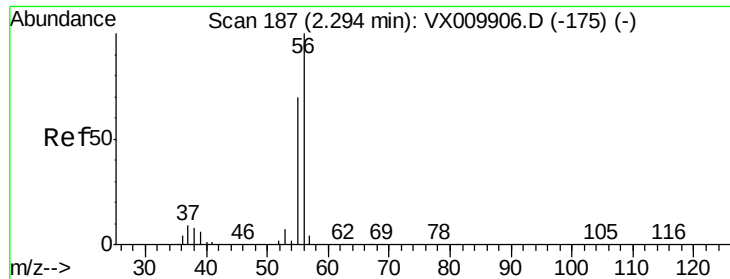
Tot Ion:142 Resp: 350
Ion Ratio Lower Upper
142 100
127 38.3 33.0 49.4
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 6.175 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010094.D
Acq: 05 Jun 2019 23:05

Tgt Ion: 59 Resp: 3829
Ion Ratio Lower Upper
59 100
57 2.7 8.2 12.2#





#13

Acrolein

Concen: 21.678 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010094.D

Acq: 05 Jun 2019 23:05

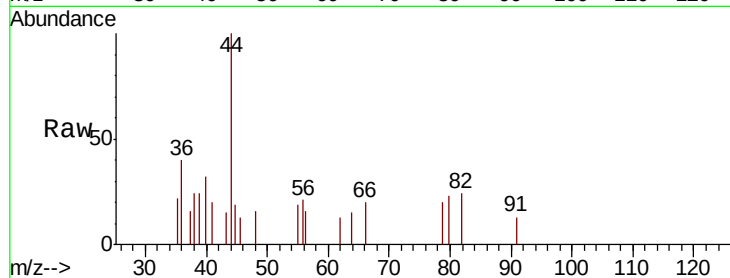
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 279

Ion Ratio Lower Upper

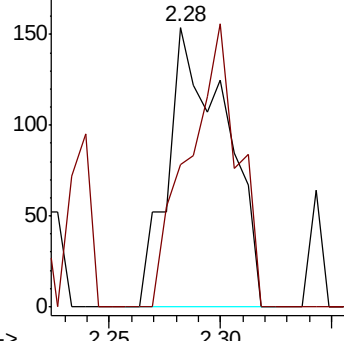
56 100

55 84.9 57.0 85.4

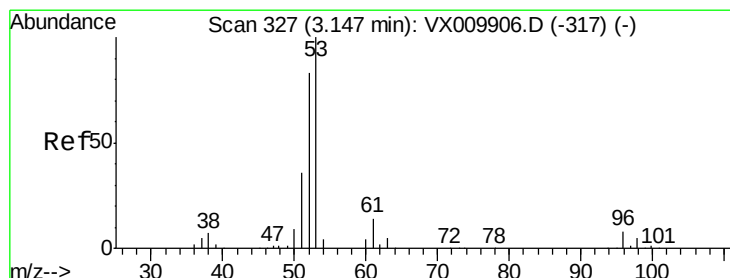
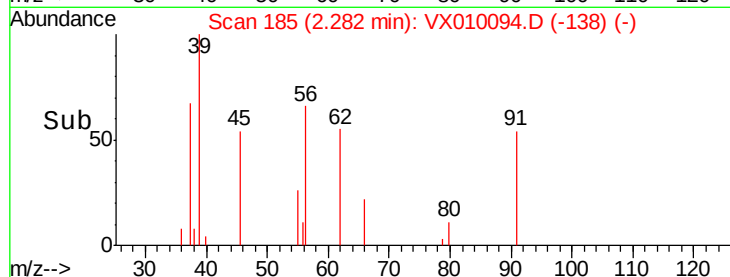


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.240 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX010094.D

Acq: 05 Jun 2019 23:05

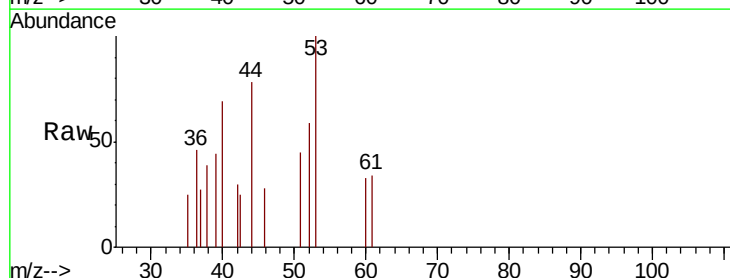
Tgt Ion: 53 Resp: 359

Ion Ratio Lower Upper

53 100

52 86.9 66.7 100.1

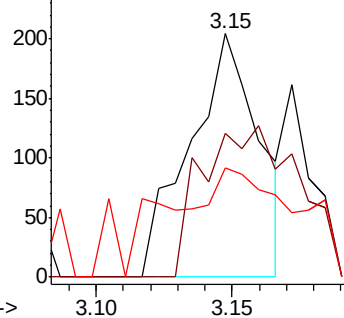
51 56.8 28.8 43.2#



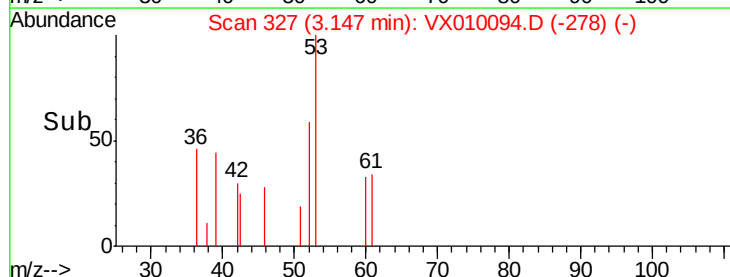
Abundance Ion 53.00 (52.70 to 53.70): VX0

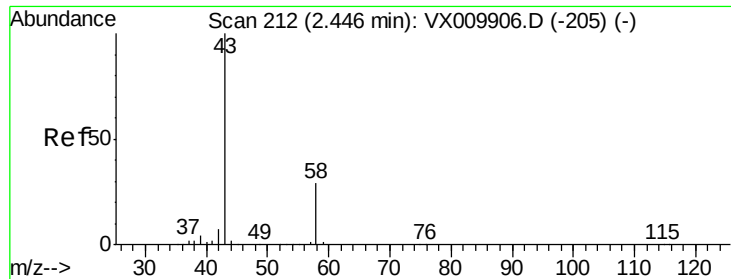
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 0.424 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010094.D

Acq: 05 Jun 2019 23:05

Instrument :

MSVOA_X

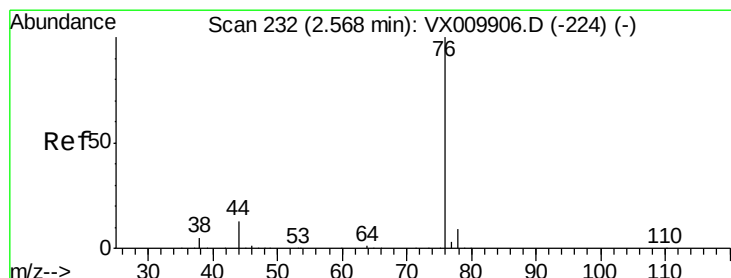
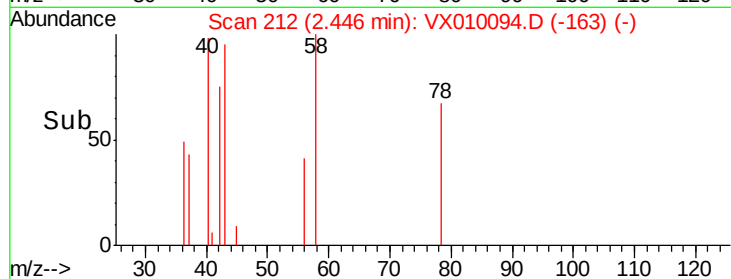
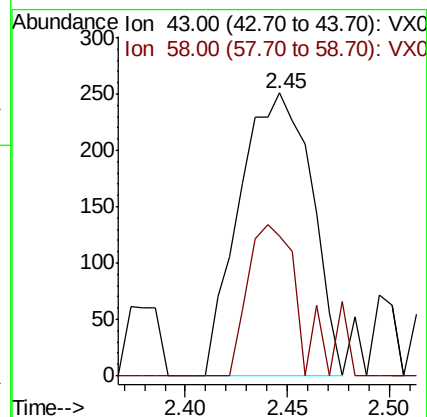
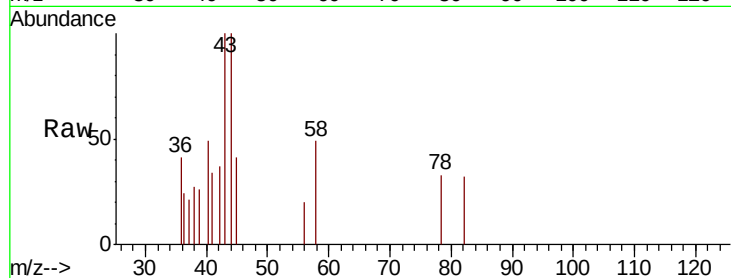
ClientSampled :

Tot Ion: 43 Resp: 617

Ion Ratio Lower Upper

43 100

58 49.4 23.2 34.8#



#17

Carbon Disulfide

Concen: 0.686 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010094.D

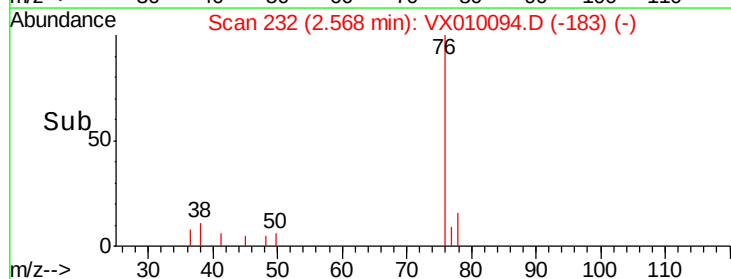
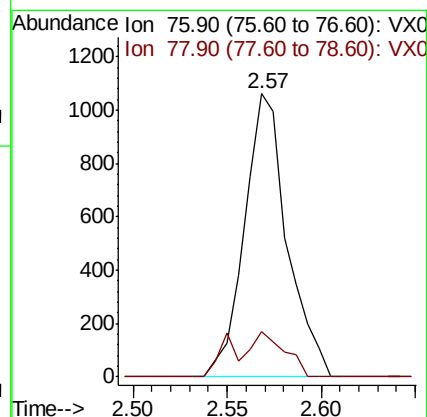
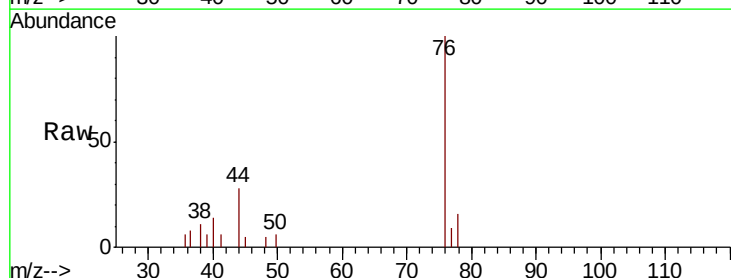
Acq: 05 Jun 2019 23:05

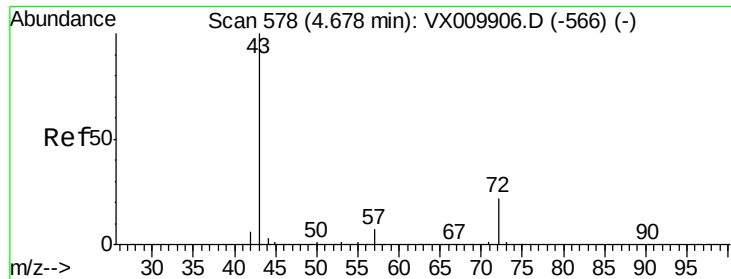
Tgt Ion: 76 Resp: 1661

Ion Ratio Lower Upper

76 100

78 16.1 7.0 10.6#





#25

2-Butanone

Concen: 0.419 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010094.D

Acq: 05 Jun 2019 23:05

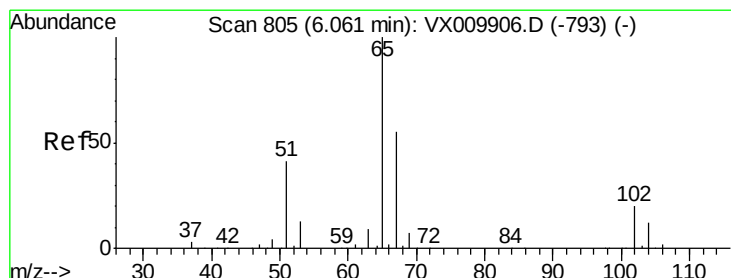
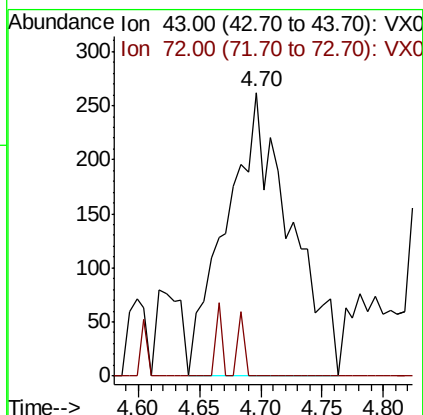
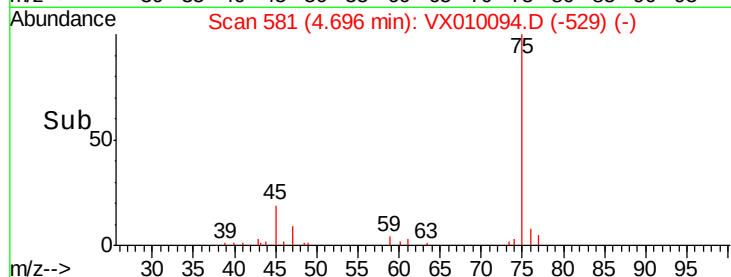
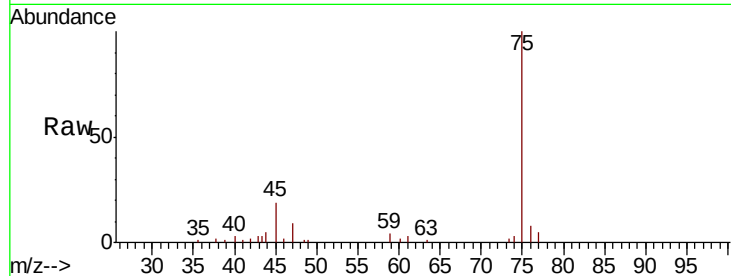
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 950

Ion Ratio Lower Upper

43 100

72 0.0 17.5 26.3#



#33

1,2-Dichloroethane-d4

Concen: 49.214 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010094.D

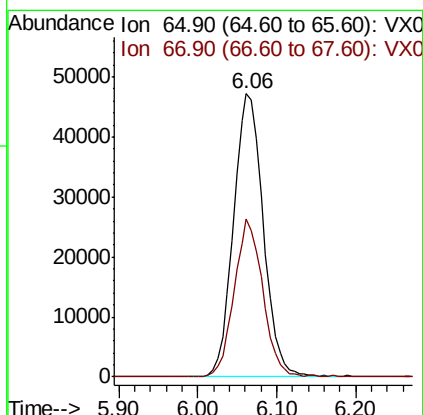
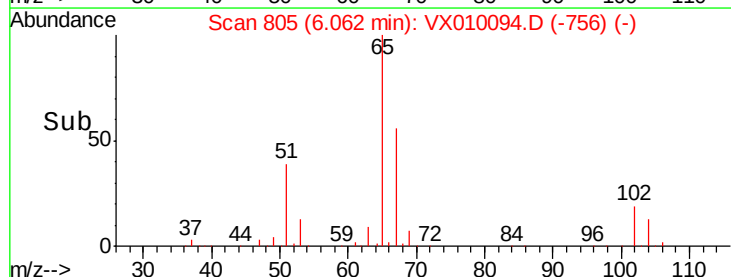
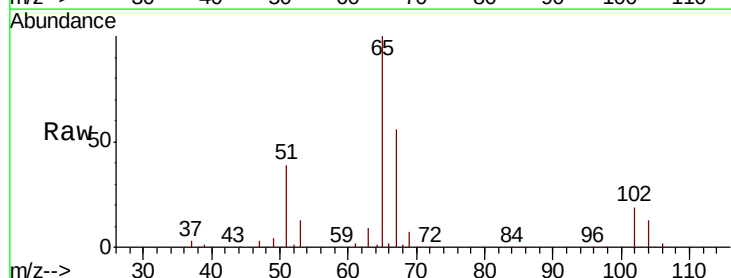
Acq: 05 Jun 2019 23:05

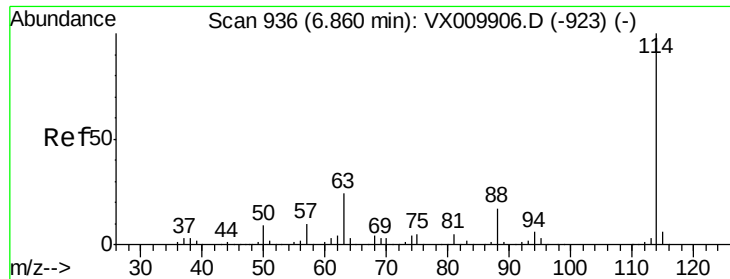
Tgt Ion: 65 Resp: 124012

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.4

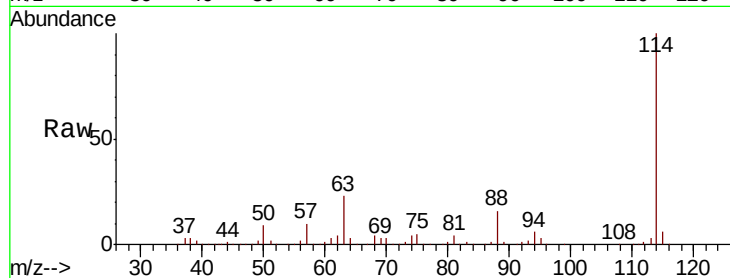




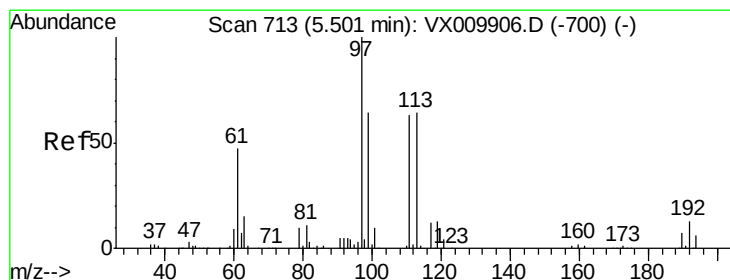
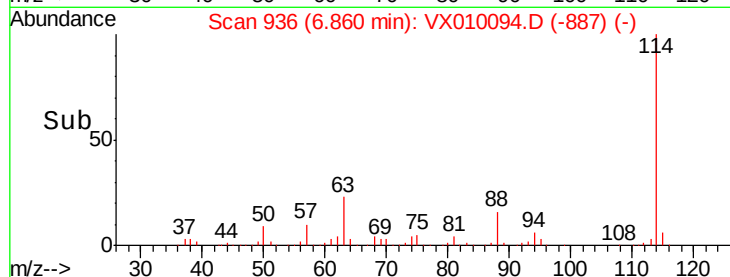
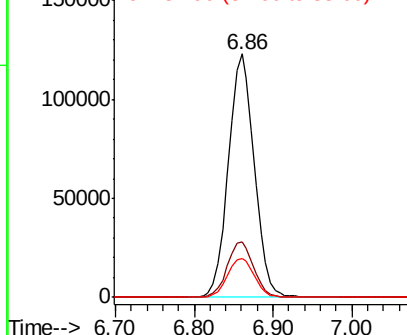
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010094.D
Acq: 05 Jun 2019 23:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 281093
Ion Ratio Lower Upper
114 100
63 22.9 0.0 47.4
88 16.2 0.0 33.0

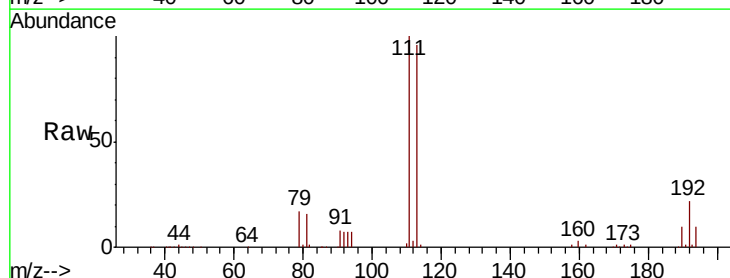


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

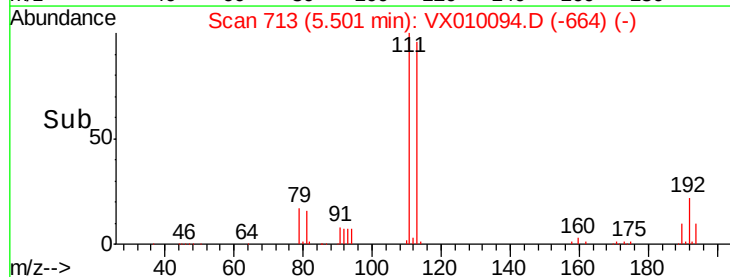
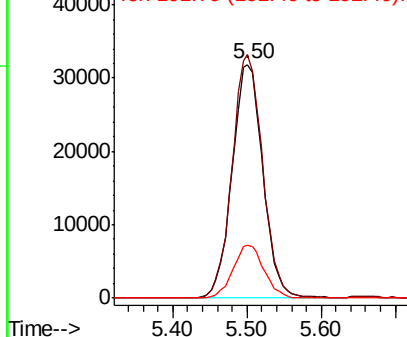


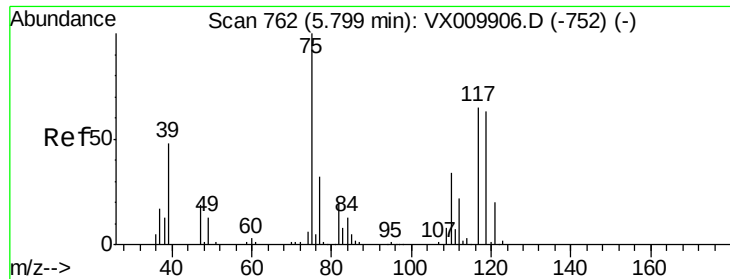
#35
Dibromofluoromethane
Concen: 52.231 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010094.D
Acq: 05 Jun 2019 23:05

Tgt Ion:113 Resp: 92304
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 22.8 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

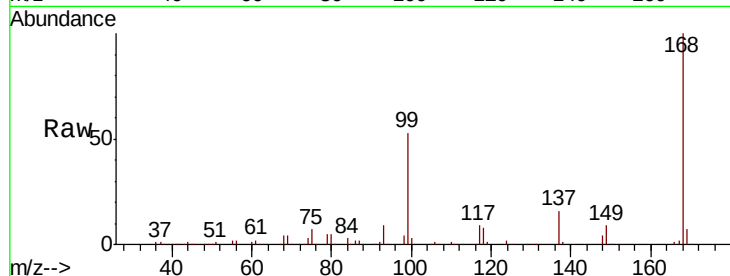




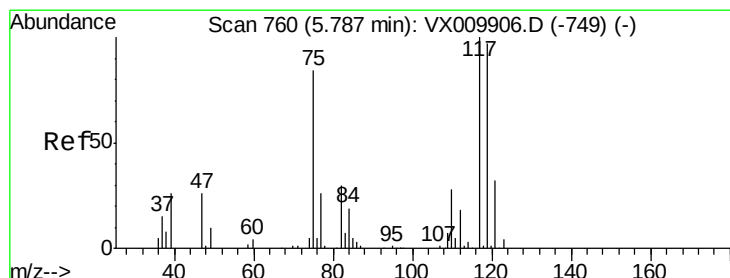
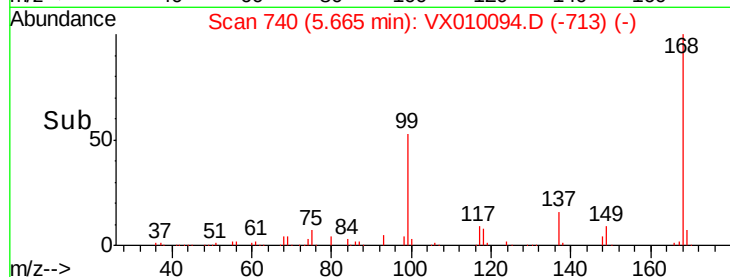
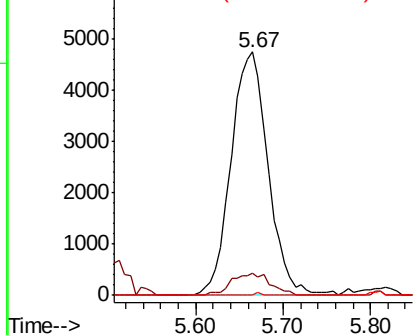
#36
 1,1-Dichloropropene
 Concen: 4.886 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010094.D
 Acq: 05 Jun 2019 23:05

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.7	50.1#
77	0.2	25.0	37.4#

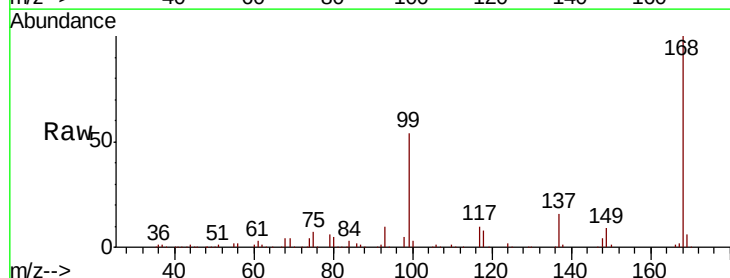


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

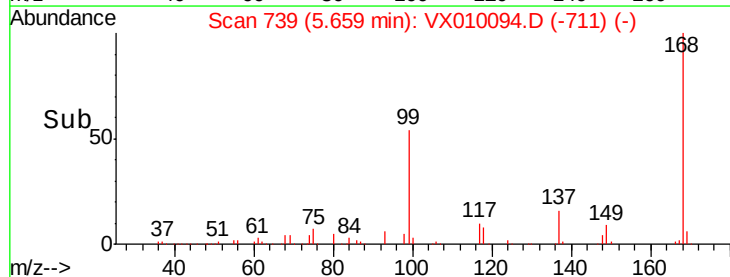
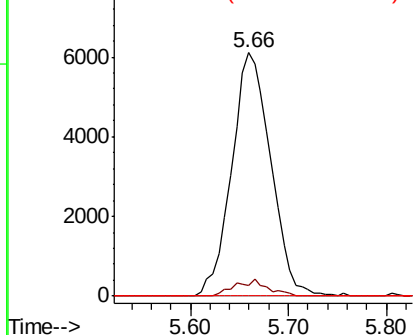


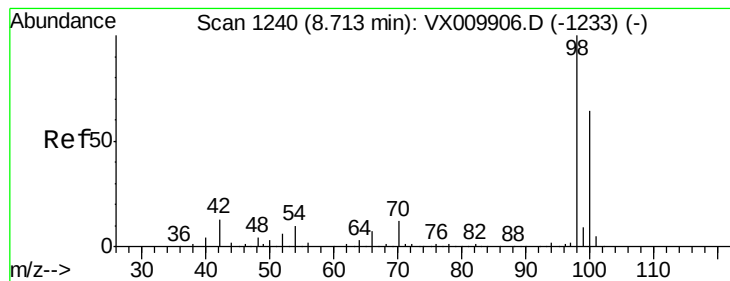
#38
 Carbon Tetrachloride
 Concen: 6.876 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010094.D
 Acq: 05 Jun 2019 23:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	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: 53.352 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010094.D

Acq: 05 Jun 2019 23:05

Instrument :

MSVOA_X

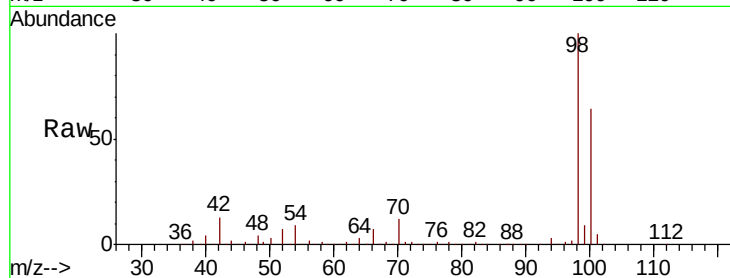
ClientSampled :

Tot Ion: 98 Resp: 382871

Ion Ratio Lower Upper

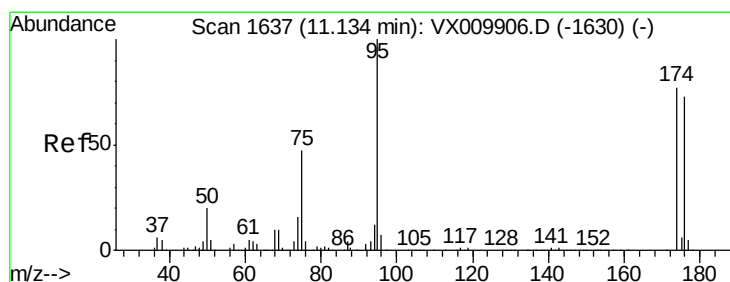
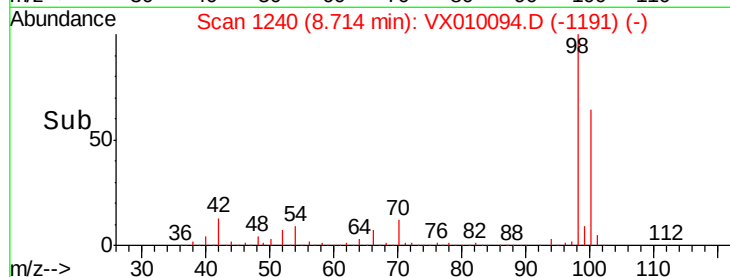
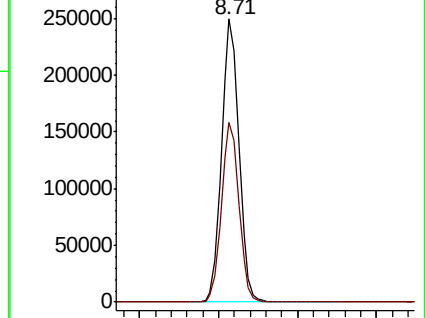
98 100

100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 50.492 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010094.D

Acq: 05 Jun 2019 23:05

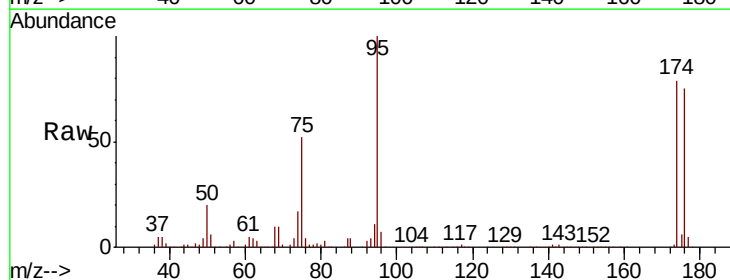
Tgt Ion: 95 Resp: 130149

Ion Ratio Lower Upper

95 100

174 83.6 0.0 160.4

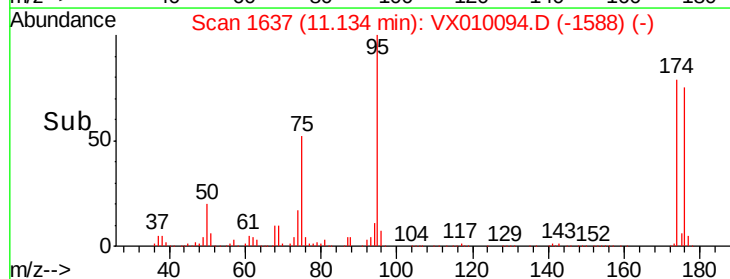
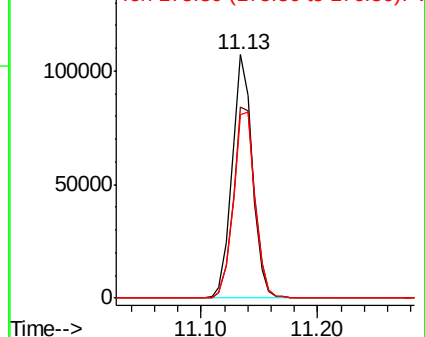
176 81.2 0.0 154.6

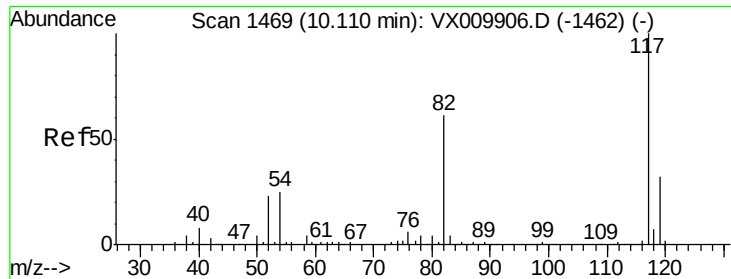


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

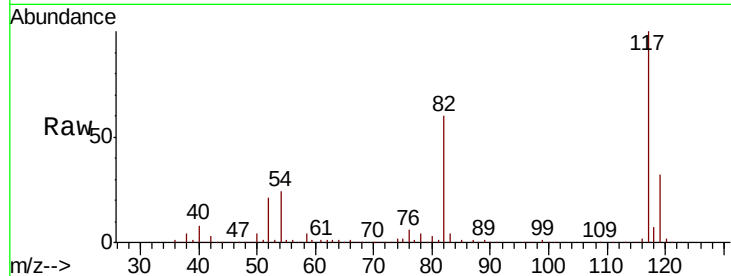




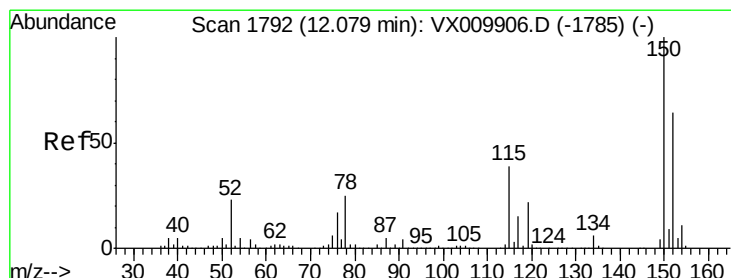
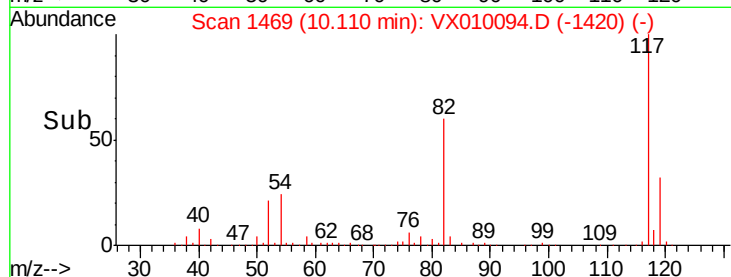
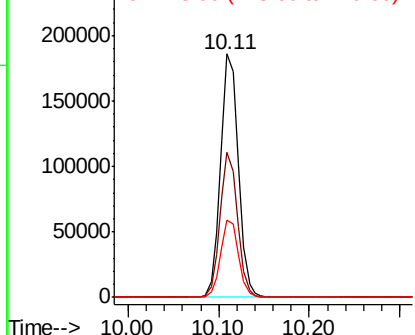
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010094.D
Acq: 05 Jun 2019 23:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 255754
Ion Ratio Lower Upper
117 100
82 59.5 49.2 73.8
119 31.5 25.2 37.8

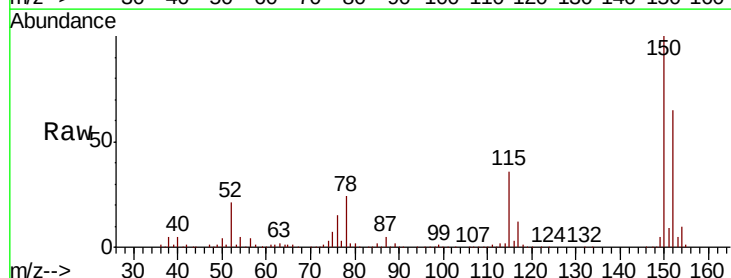


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

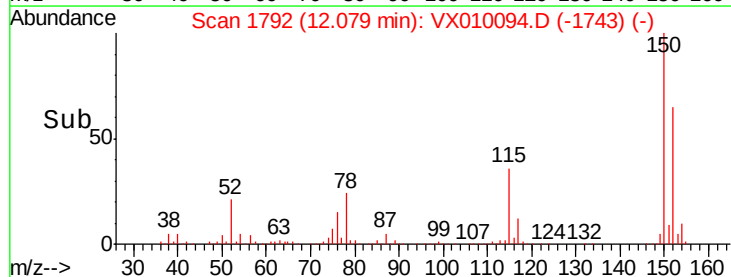
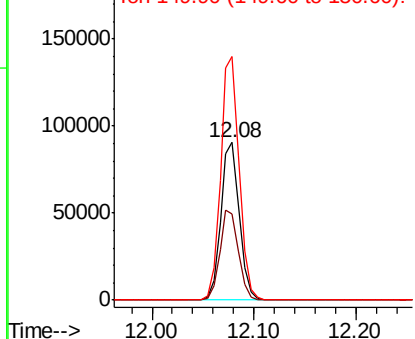


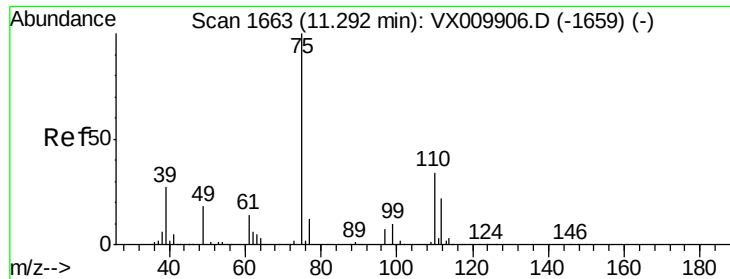
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010094.D
Acq: 05 Jun 2019 23:05

Tgt Ion:152 Resp: 114081
Ion Ratio Lower Upper
152 100
115 57.4 41.4 124.2
150 155.7 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: 24.728 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010094.D

Acq: 05 Jun 2019 23:05

Instrument :

MSVOA_X

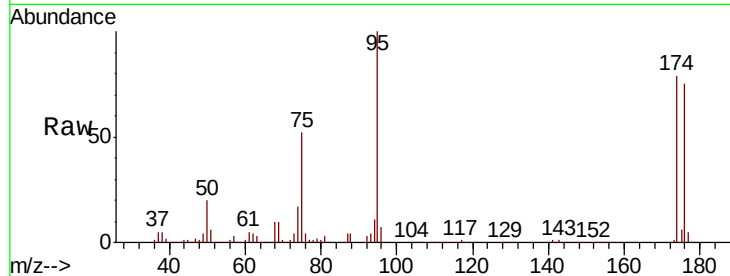
ClientSampleId :

Tot Ion: 75 Resp: 67460

Ion Ratio Lower Upper

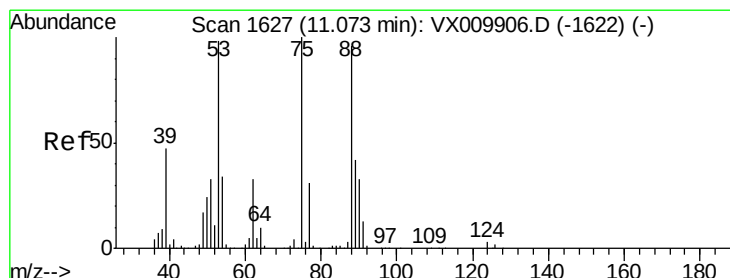
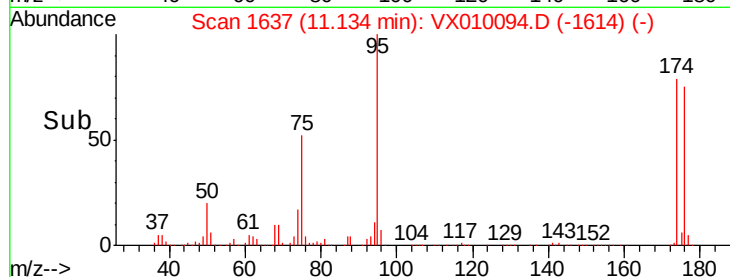
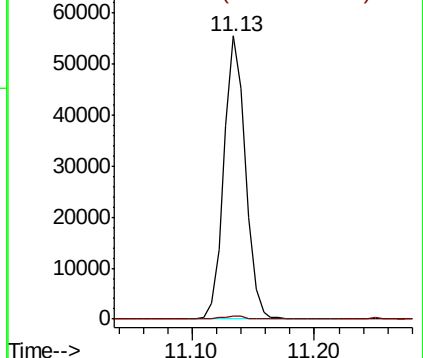
75 100

77 1.2 22.1 66.1#



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: 61.182 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010094.D

Acq: 05 Jun 2019 23:05

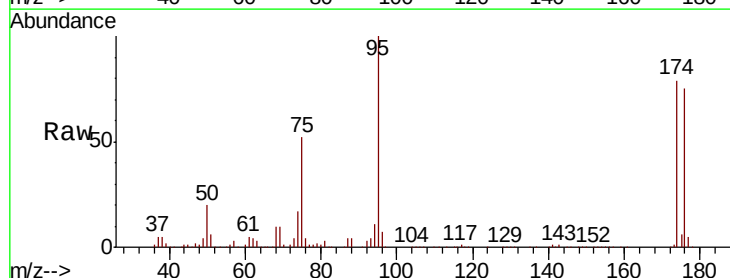
Tgt Ion: 75 Resp: 67460

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#



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

