

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060319\
 Data File : VX010036.D
 Acq On : 03 Jun 2019 15:14
 Operator : JC/SP
 Sample : K3131-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

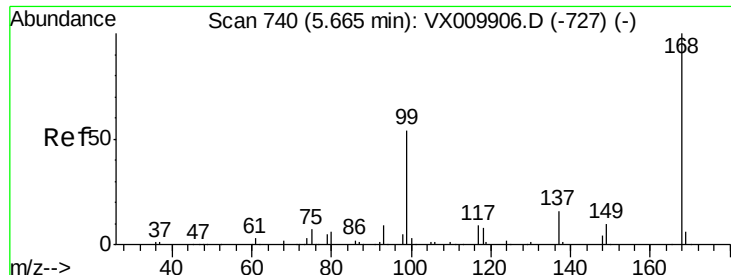
Quant Time: Jun 04 03:40:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	283173	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114161	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	117061	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
35) Dibromofluoromethane	5.50	113	88123	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	8.71	98	363940	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.13	95	123078	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	33079	12.325	ug/l	99
6) Chloroethane	1.75	64	1420	0.859	ug/l #	43
10) Methyl Iodide	2.52	142	170	4.726	ug/l #	42
11) Tert butyl alcohol	3.03	59	848	1.346	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	1041	0.567	ug/l #	68
13) Acrolein	2.29	56	105	21.312	ug/l #	77
16) Acetone	2.43	43	740	0.500	ug/l	90
17) Carbon Disulfide	2.57	76	725	0.514	ug/l #	65
21) trans-1,2-Dichloroethene	3.16	96	713	0.349	ug/l #	63
27) cis-1,2-Dichloroethene	4.60	96	314334	133.341	ug/l	87
36) 1,1-Dichloropropene	5.66	75	13972	4.863	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16772	6.755	ug/l #	16
44) Trichloroethene	7.22	130	1264	0.611	ug/l	94
65) Chlorobenzene	10.13	112	73963	13.734	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	63778	23.362	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63778	57.802	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	1013	0.260	ug/l #	1
90) Hexachloroethane	12.75	117	283	0.227	ug/l #	6

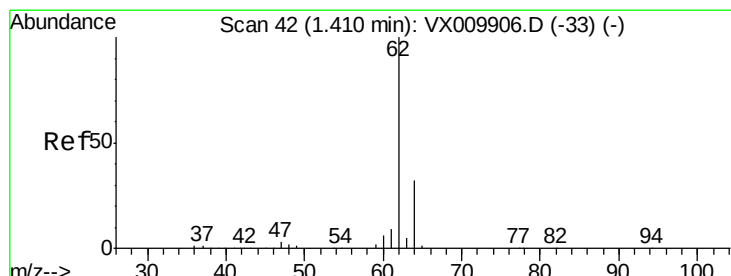
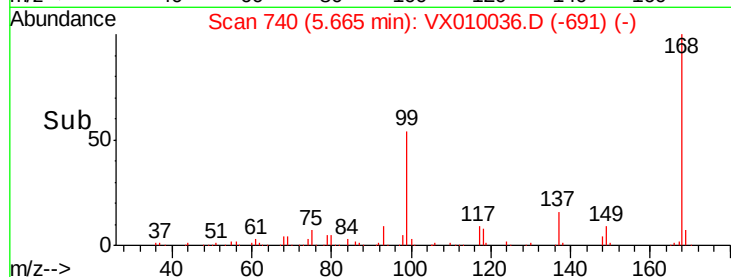
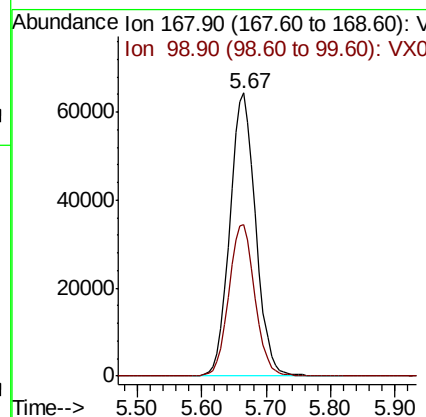
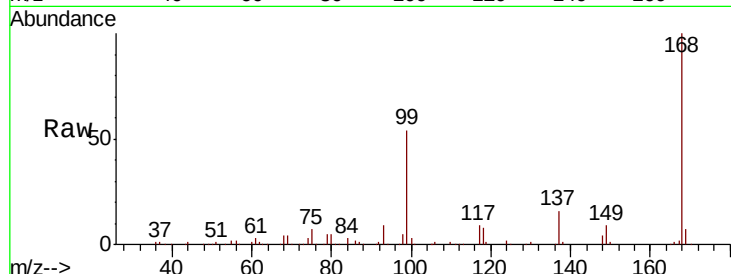
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX010036.D
Acq: 03 Jun 2019 15:14

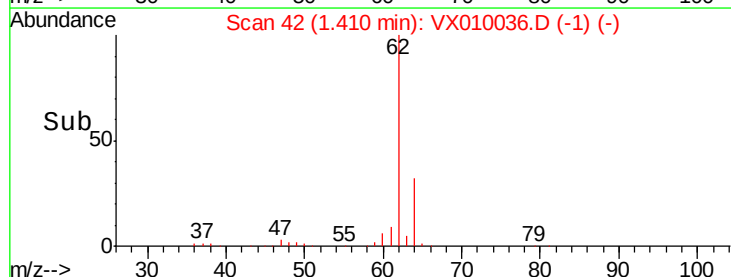
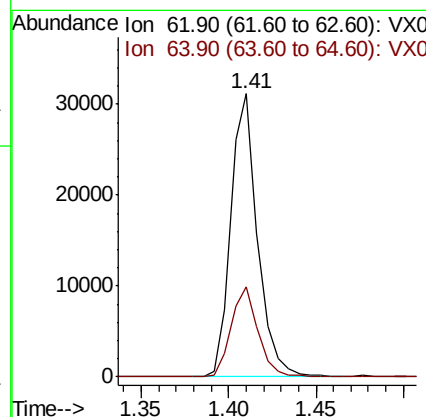
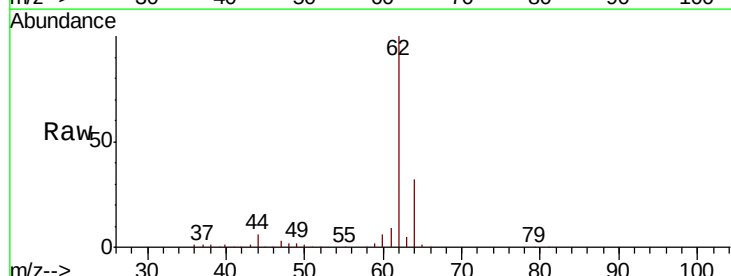
Instrument :
MSVOA_X
ClientSampleId :

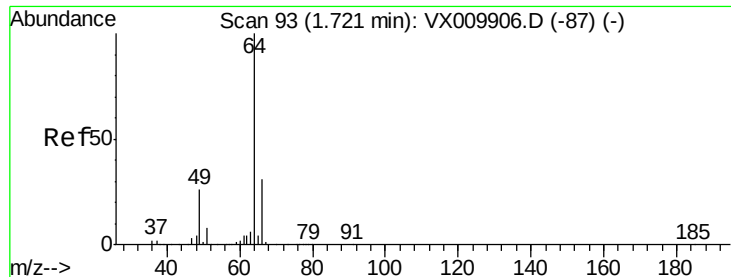
Tot Ion:168 Resp: 181233
Ion Ratio Lower Upper
168 100
99 53.6 43.0 64.6



#4
Vinyl Chloride
Concen: 12.325 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX010036.D
Acq: 03 Jun 2019 15:14

Tgt Ion: 62 Resp: 33079
Ion Ratio Lower Upper
62 100
64 31.7 25.7 38.5





#6

Chloroethane

Concen: 0.859 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.02 min

Lab File: VX010036.D

Acq: 03 Jun 2019 15:14

Instrument :

MSVOA_X

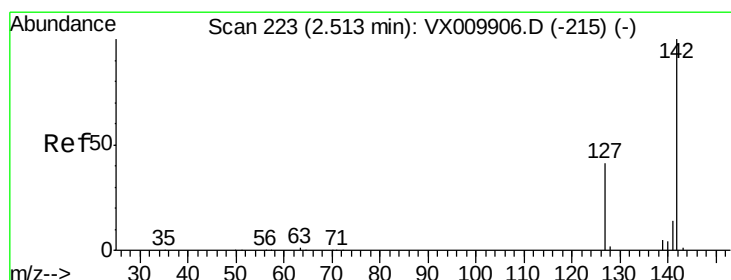
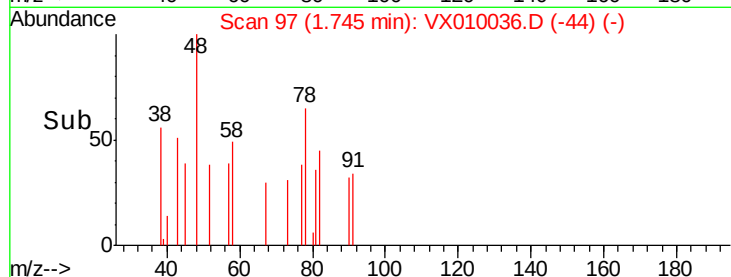
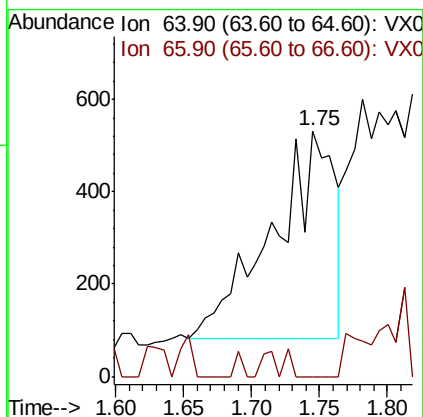
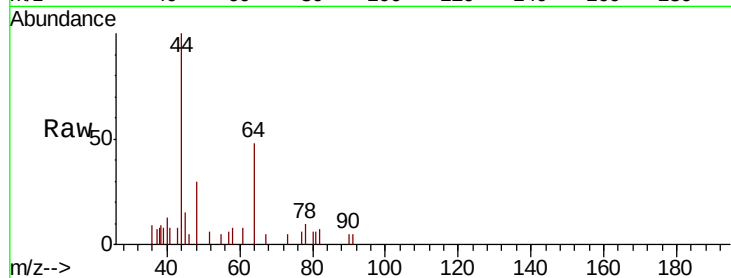
ClientSampled :

Tot Ion: 64 Resp: 1420

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#10

Methyl Iodide

Concen: 4.726 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010036.D

Acq: 03 Jun 2019 15:14

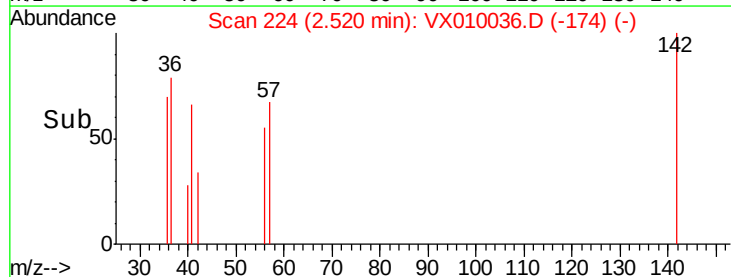
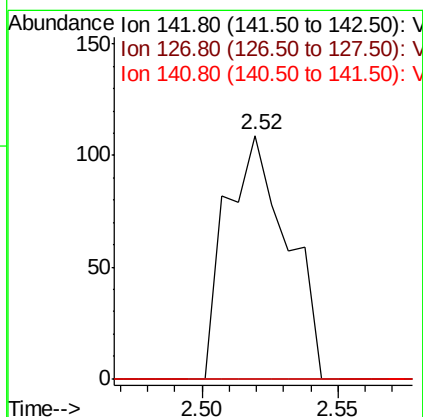
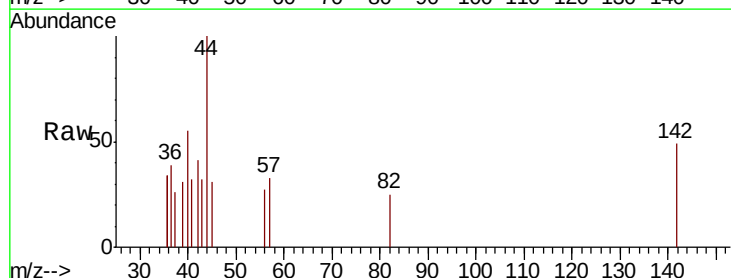
Tgt Ion: 142 Resp: 170

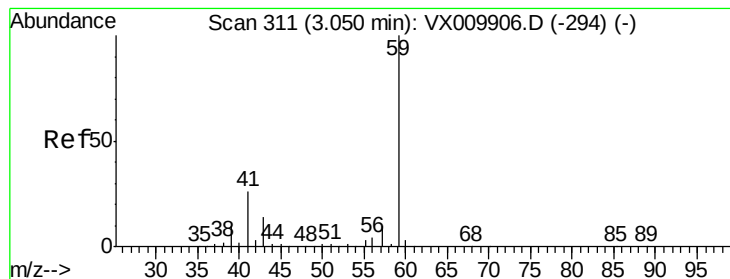
Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

141 0.0 11.4 17.0#



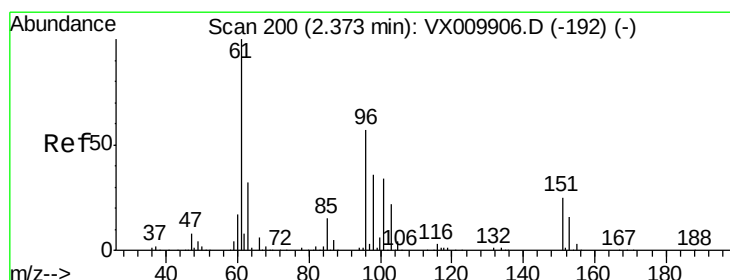
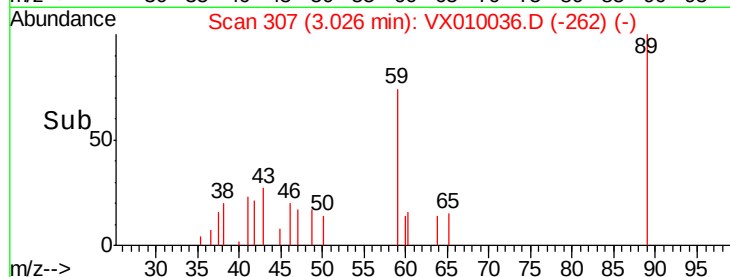
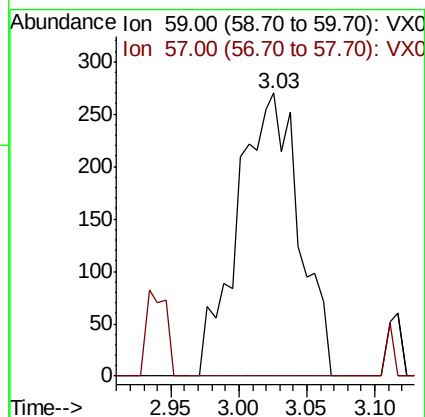
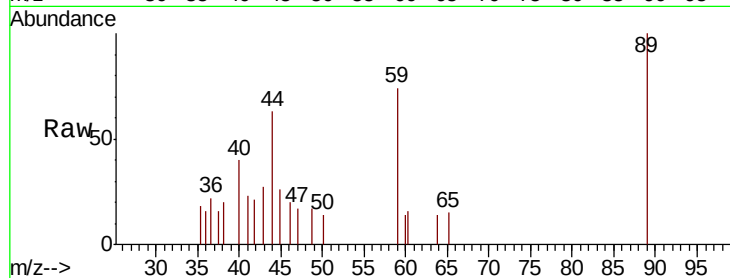


#11

Tert butyl alcohol
 Concen: 1.346 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010036.D
 Acq: 03 Jun 2019 15:14

Instrument :
 MSVOA_X
 ClientSampled :

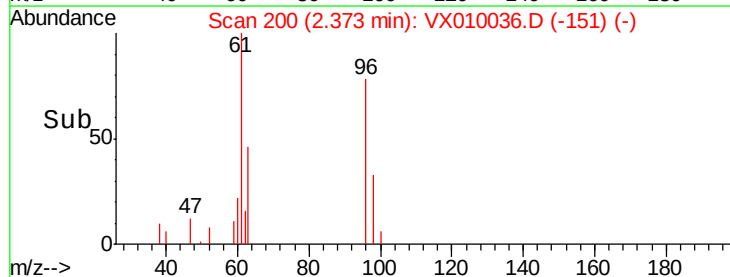
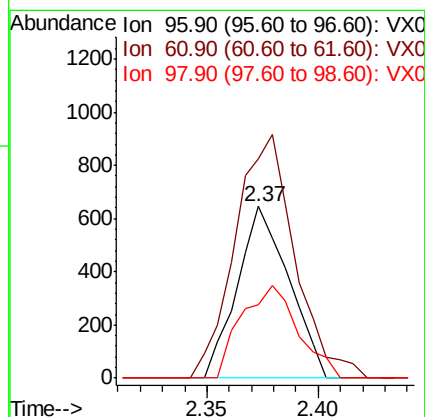
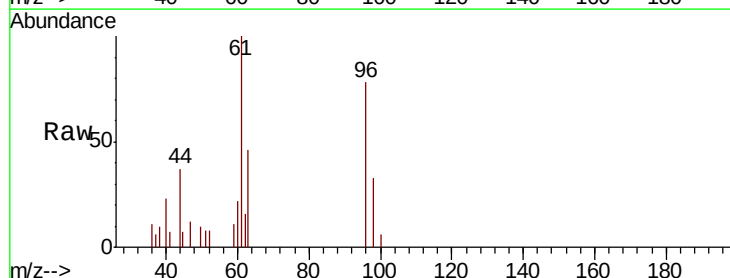
Tot Ion: 59 Resp: 848
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

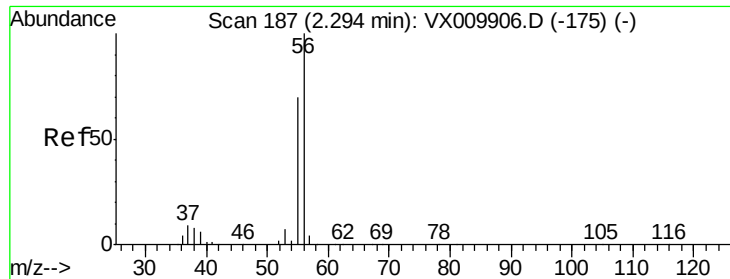


#12

1,1-Dichloroethene
 Concen: 0.567 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010036.D
 Acq: 03 Jun 2019 15:14

Tgt Ion: 96 Resp: 1041
 Ion Ratio Lower Upper
 96 100
 61 127.9 140.7 211.1#
 98 42.7 50.1 75.1#





#13

Acrolein

Concen: 21.312 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010036.D

Acq: 03 Jun 2019 15:14

Instrument :

MSVOA_X

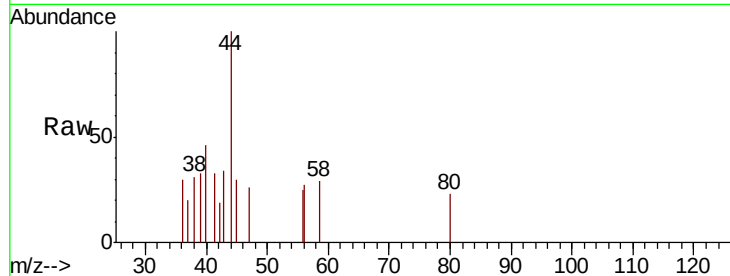
ClientSampled :

Tot Ion: 56 Resp: 105

Ion Ratio Lower Upper

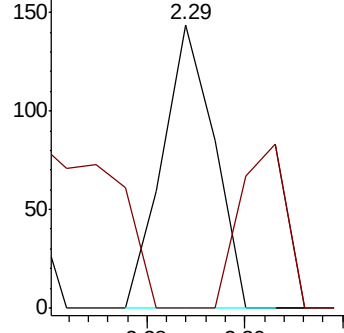
56 100

55 52.4 57.0 85.4#

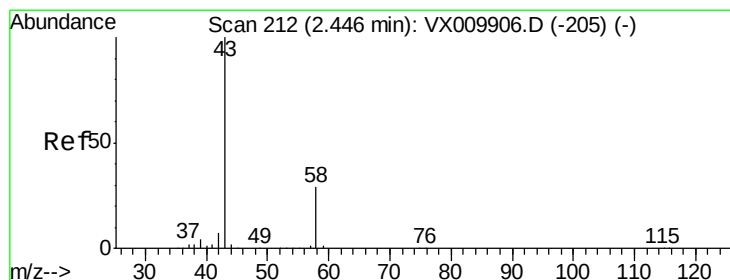
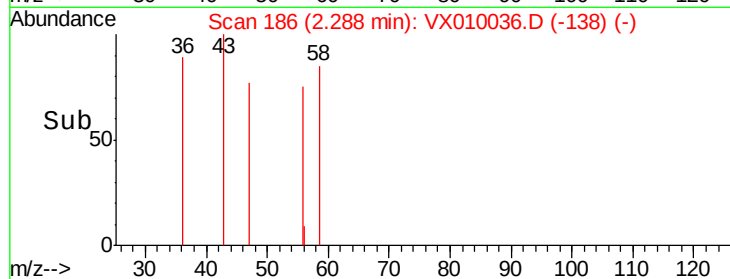


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.500 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX010036.D

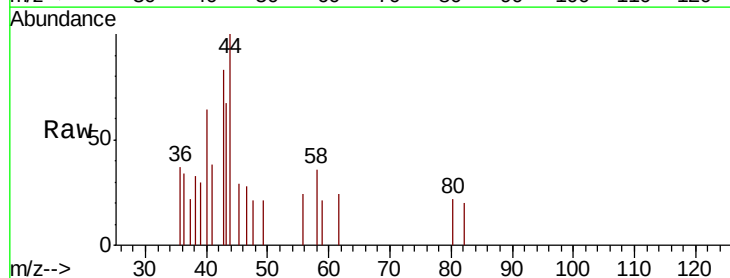
Acq: 03 Jun 2019 15:14

Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

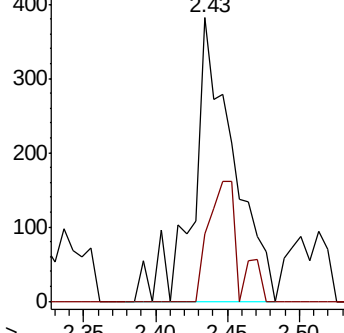
43 100

58 23.8 23.2 34.8

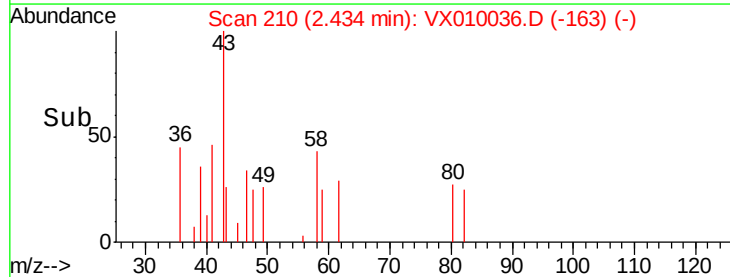


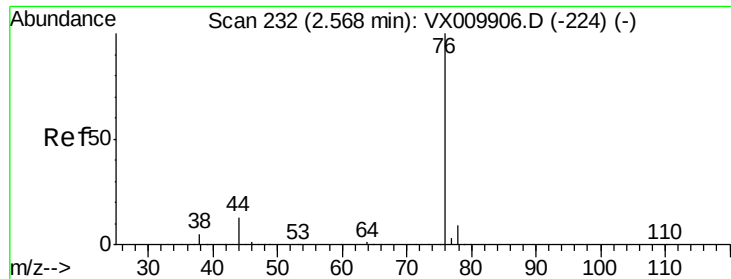
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 0.514 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010036.D

Acq: 03 Jun 2019 15:14

Instrument :

MSVOA_X

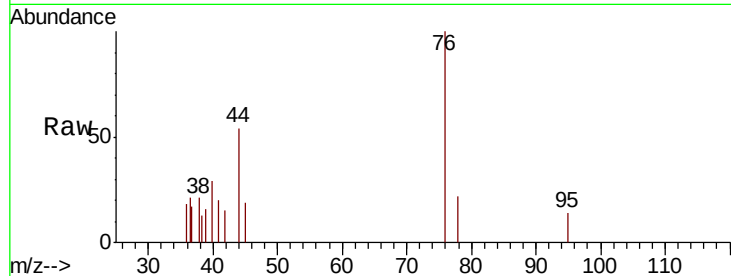
ClientSampleId :

Tot Ion: 76 Resp: 725

Ion Ratio Lower Upper

76 100

78 21.5 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

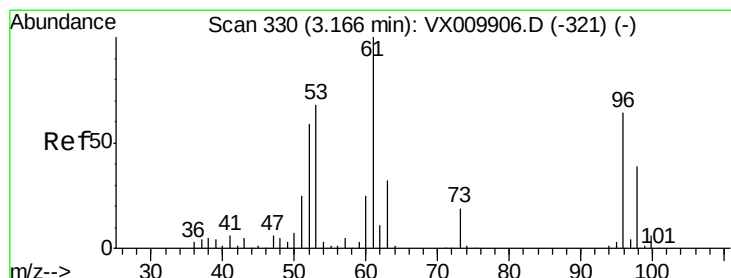
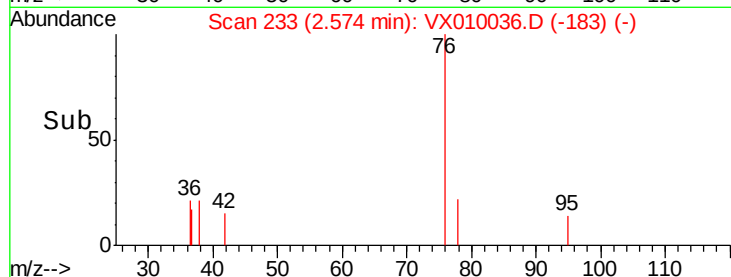
300

200

100

0

Time--> 2.50 2.55 2.60



#21

trans-1,2-Dichloroethene

Concen: 0.349 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010036.D

Acq: 03 Jun 2019 15:14

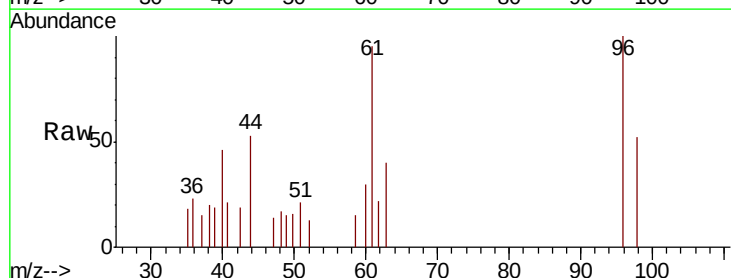
Tgt Ion: 96 Resp: 713

Ion Ratio Lower Upper

96 100

61 95.4 125.7 188.5#

98 52.4 49.0 73.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

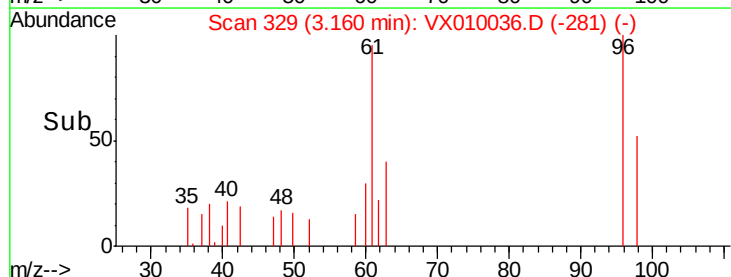
600

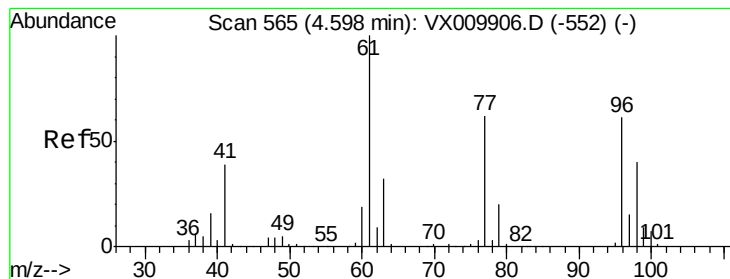
400

200

0

Time--> 3.15 3.20



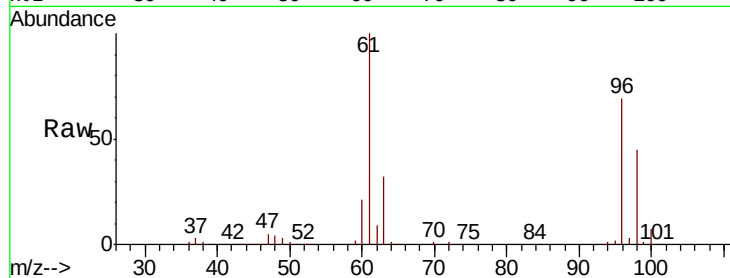


#27

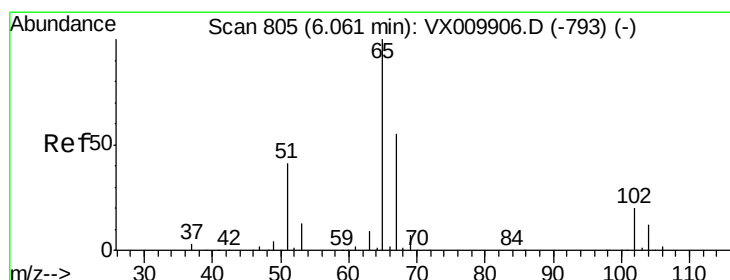
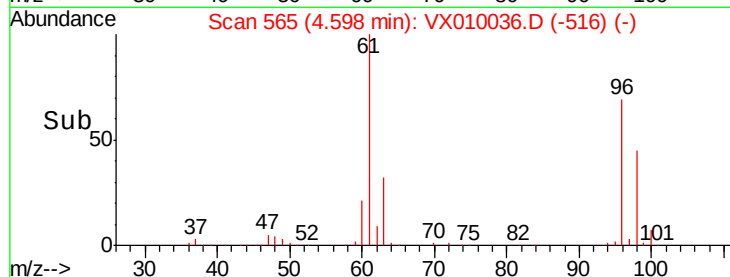
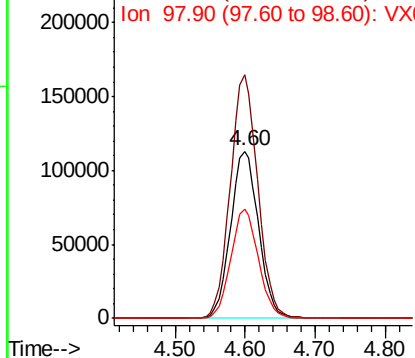
cis-1,2-Dichloroethene
 Concen: 133.341 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010036.D
 Acq: 03 Jun 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	334.0
98	64.6	0.0	131.6



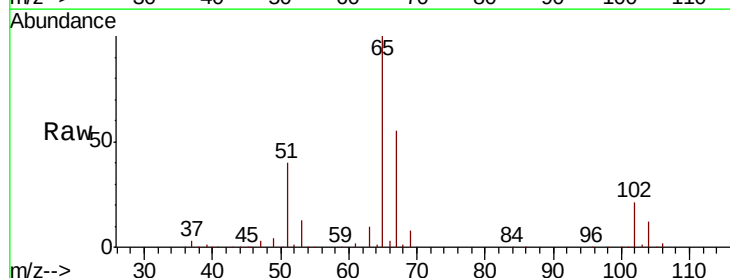
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



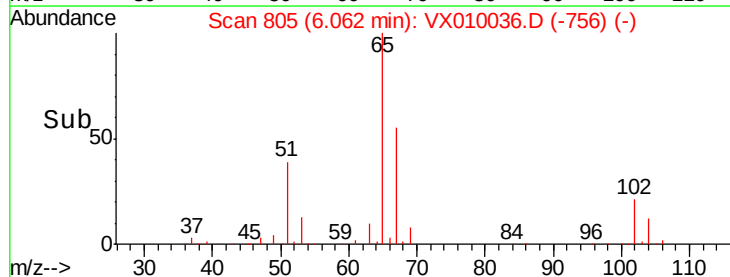
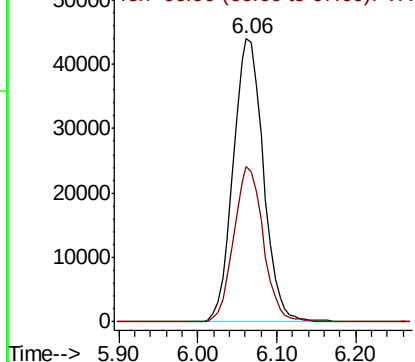
#33

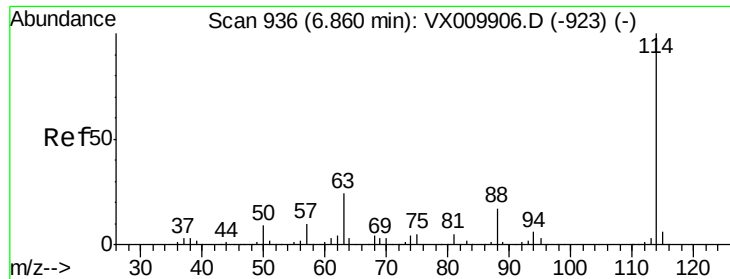
1,2-Dichloroethane-d4
 Concen: 45.726 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010036.D
 Acq: 03 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

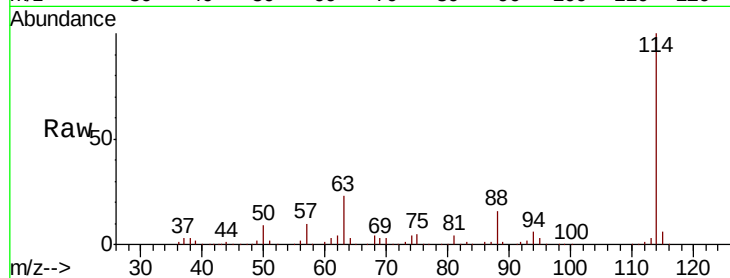




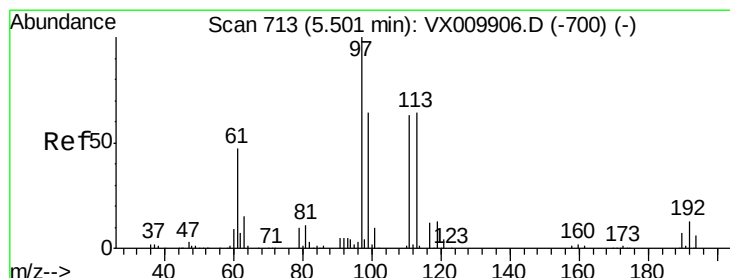
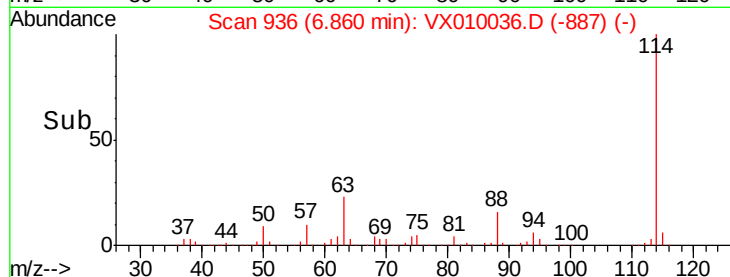
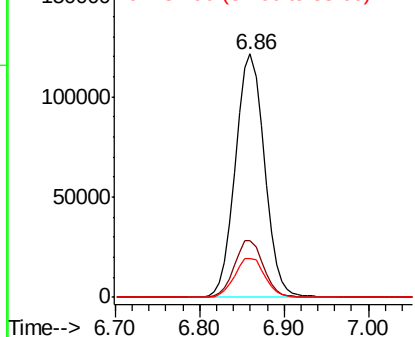
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010036.D
Acq: 03 Jun 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 283173
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.4
88 15.9 0.0 33.0

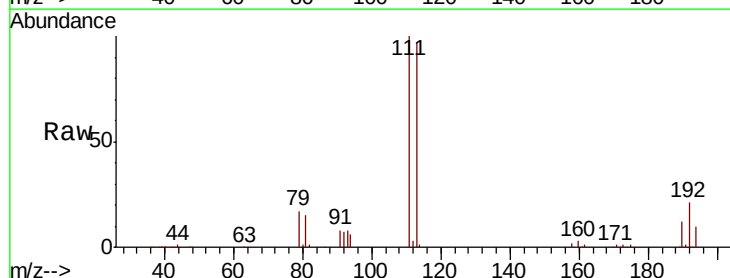


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

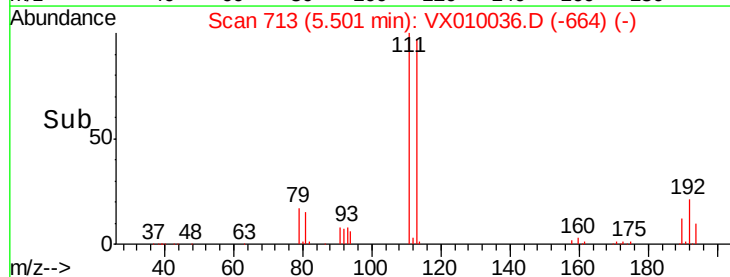
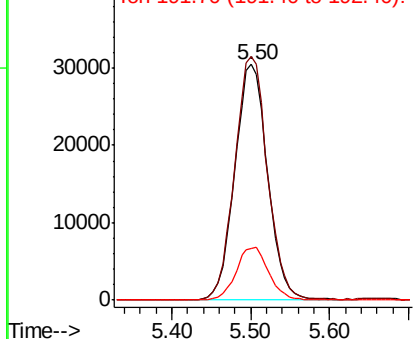


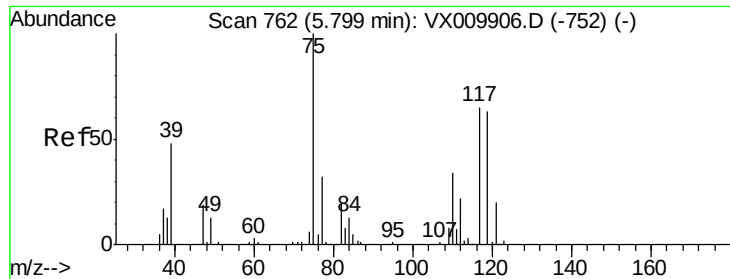
#35
Dibromofluoromethane
Concen: 49.499 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010036.D
Acq: 03 Jun 2019 15:14

Tgt Ion:113 Resp: 88123
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 22.2 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

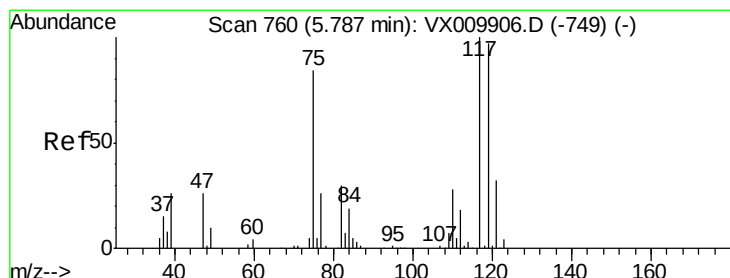
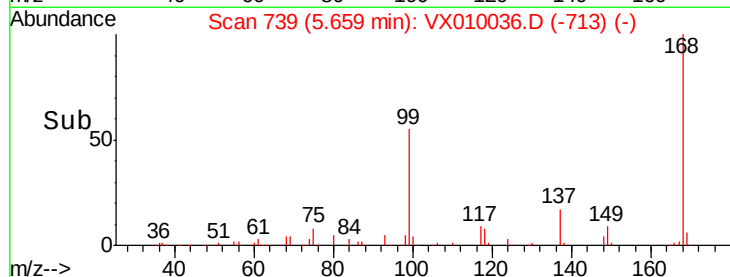
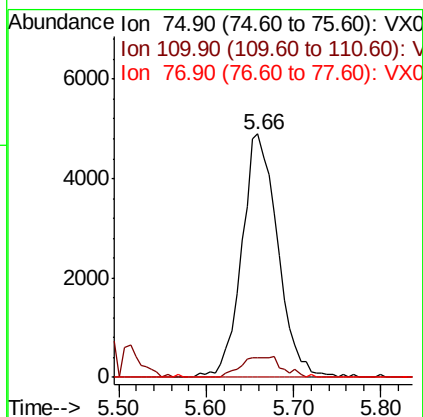
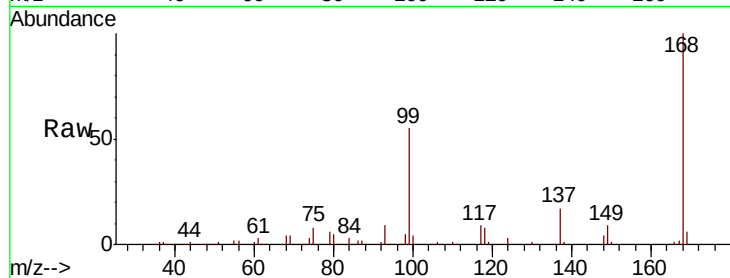




#36
 1,1-Dichloropropene
 Concen: 4.863 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010036.D
 Acq: 03 Jun 2019 15:14

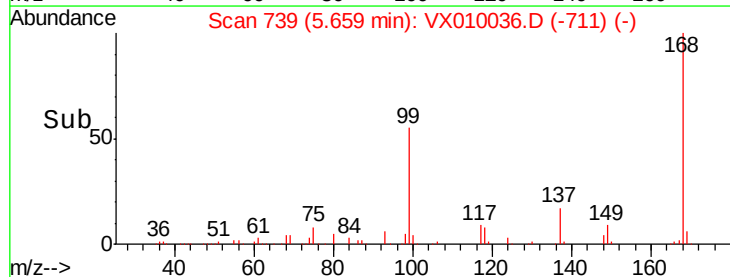
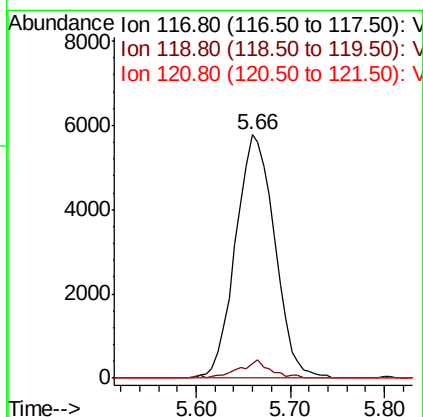
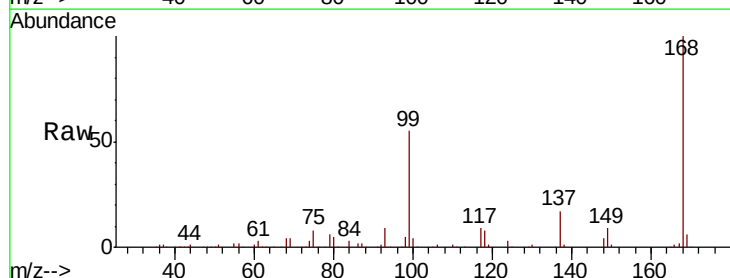
Instrument :
 MSVOA_X
 ClientSampleId :

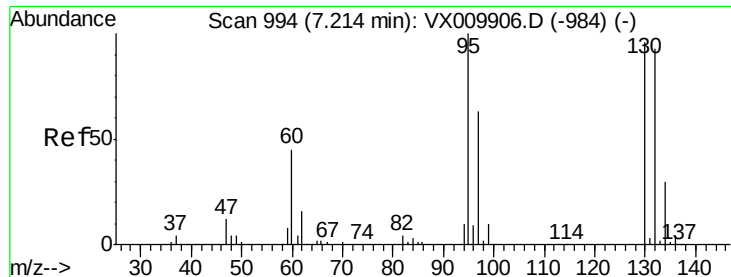
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.7	50.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.755 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010036.D
 Acq: 03 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.3	115.9#
121	0.0	25.4	38.0#





#44

Trichloroethene

Concen: 0.611 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010036.D

Acq: 03 Jun 2019 15:14

Instrument :

MSVOA_X

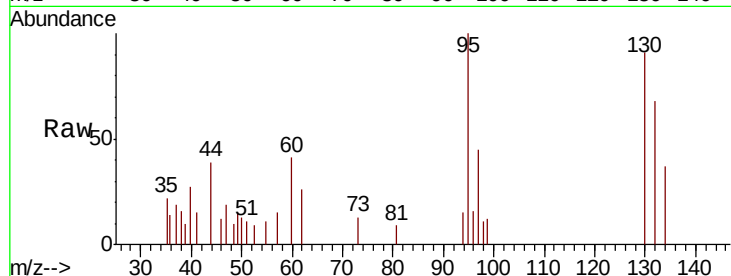
ClientSampleId :

Tot Ion:130 Resp: 1264

Ion Ratio Lower Upper

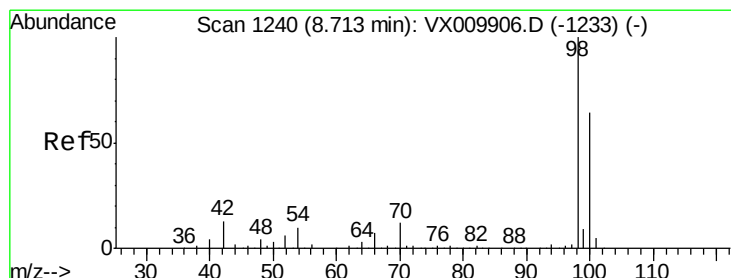
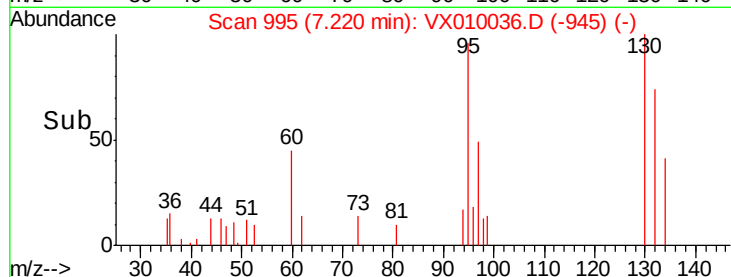
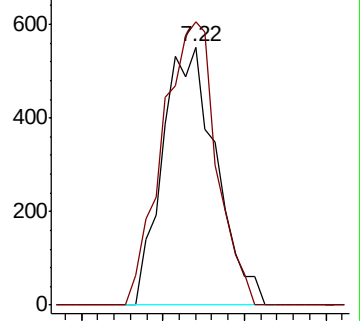
130 100

95 109.6 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.341 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010036.D

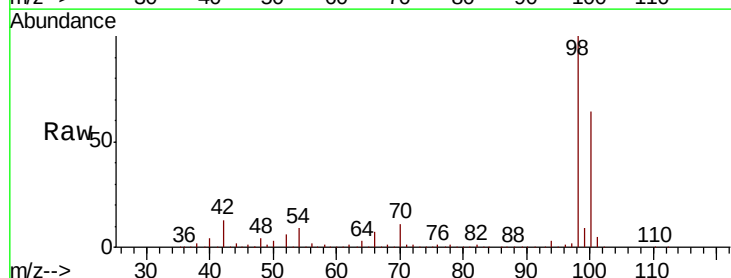
Acq: 03 Jun 2019 15:14

Tgt Ion: 98 Resp: 363940

Ion Ratio Lower Upper

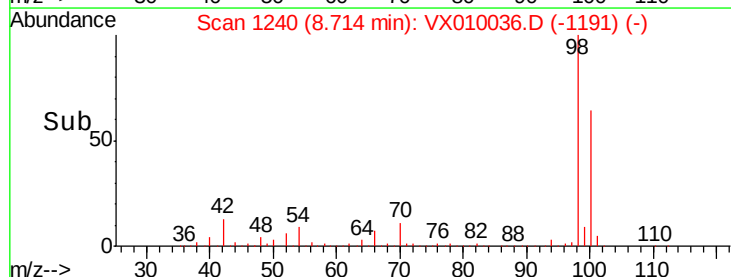
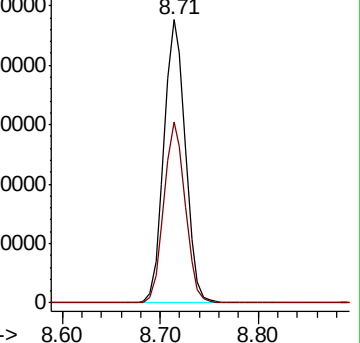
98 100

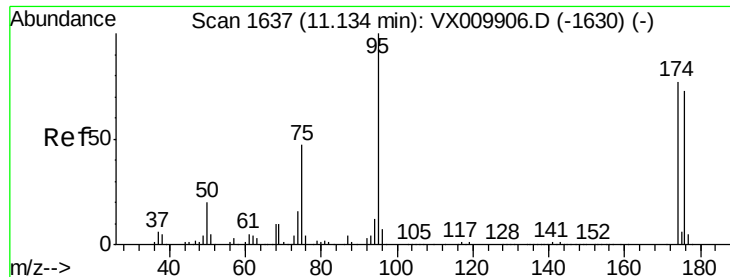
100 63.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

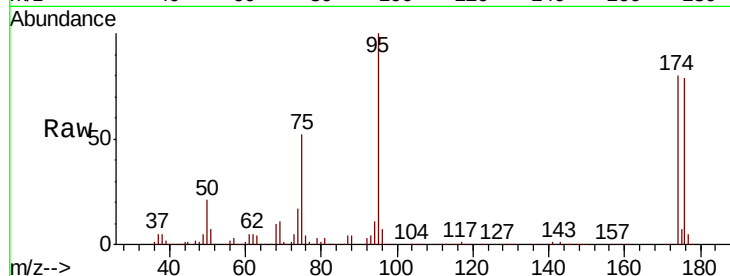




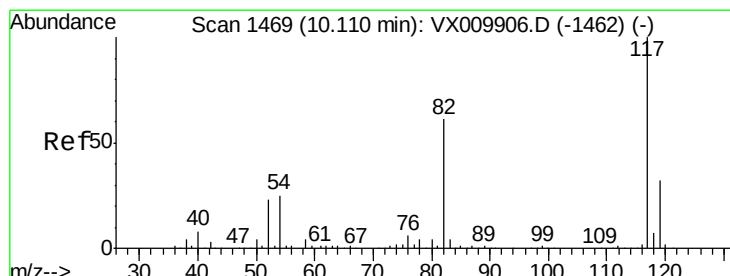
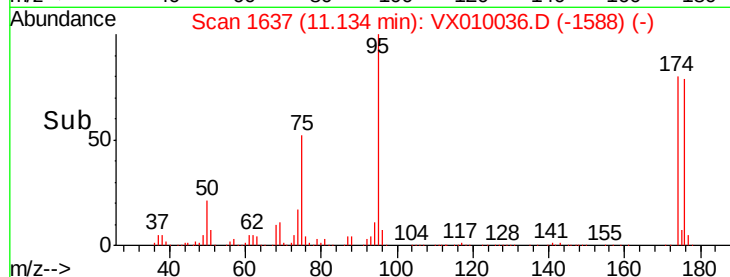
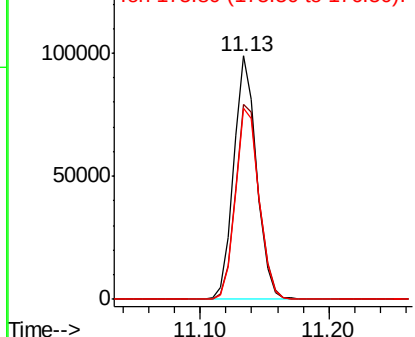
#62
4-Bromofluorobenzene
Concen: 47.398 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010036.D
Acq: 03 Jun 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 123078
Ion Ratio Lower Upper
95 100
174 82.9 0.0 160.4
176 80.8 0.0 154.6

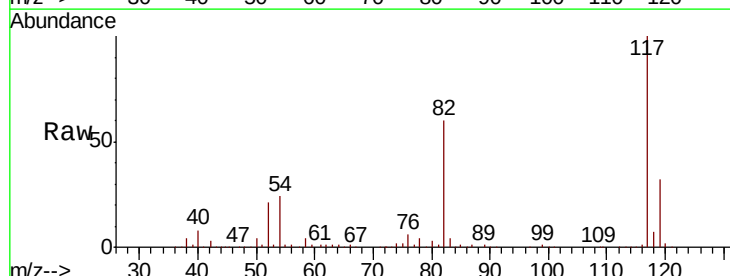


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

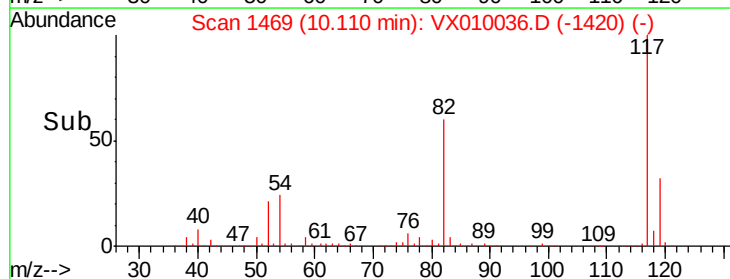
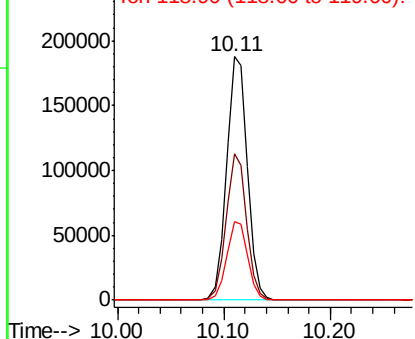


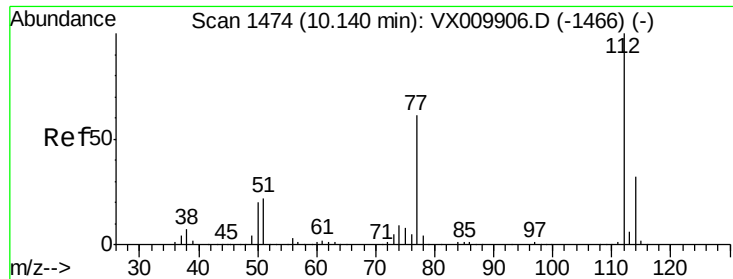
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010036.D
Acq: 03 Jun 2019 15:14

Tgt Ion: 117 Resp: 257241
Ion Ratio Lower Upper
117 100
82 60.2 49.2 73.8
119 32.4 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

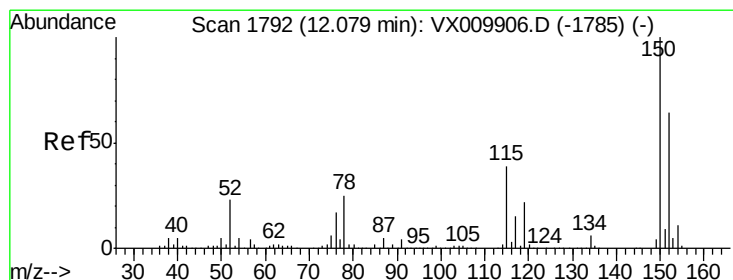
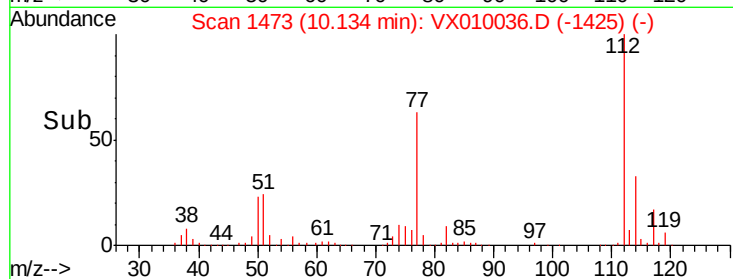
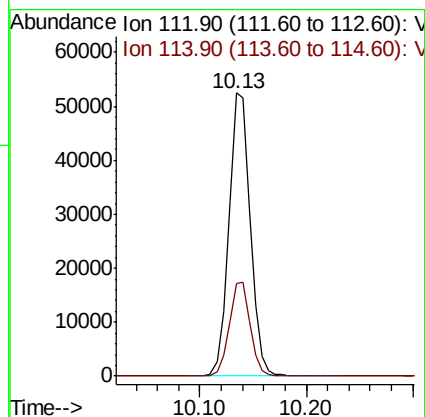
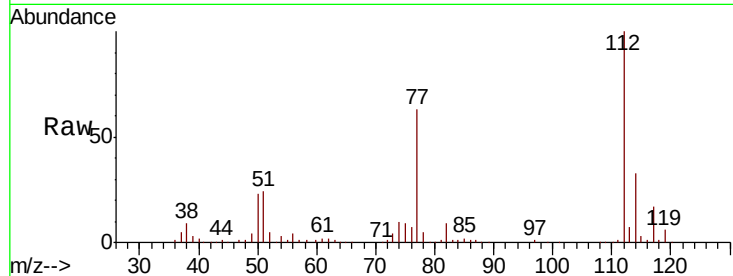




#65
Chlorobenzene
Concen: 13.734 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010036.D
Acq: 03 Jun 2019 15:14

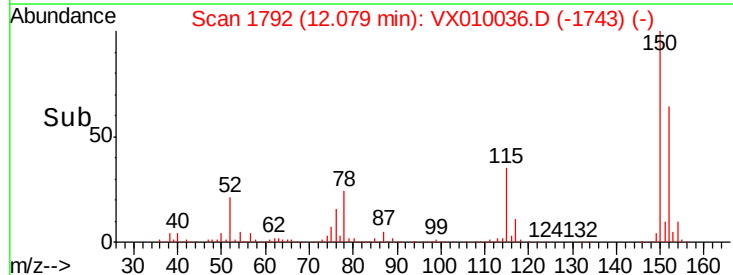
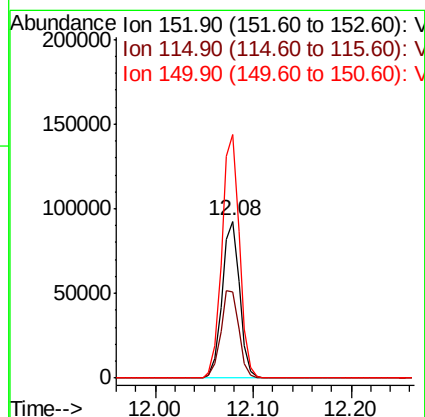
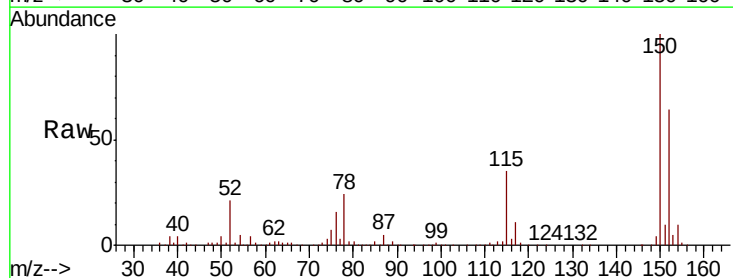
Instrument :
MSVOA_X
ClientSampled :

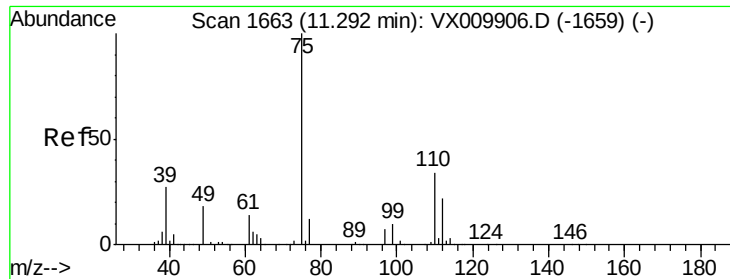
Tot Ion:112 Resp: 73963
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010036.D
Acq: 03 Jun 2019 15:14

Tgt Ion:152 Resp: 114161
Ion Ratio Lower Upper
152 100
115 57.7 41.4 124.2
150 156.5 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 23.362 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010036.D

Acq: 03 Jun 2019 15:14

Instrument :

MSVOA_X

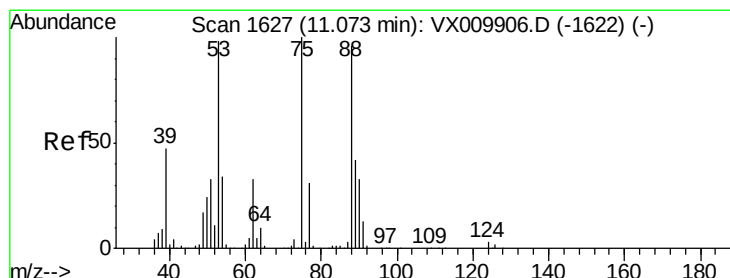
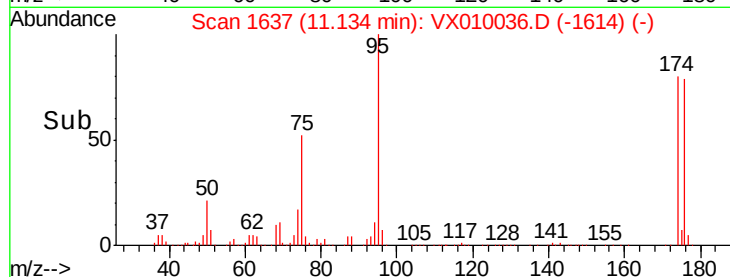
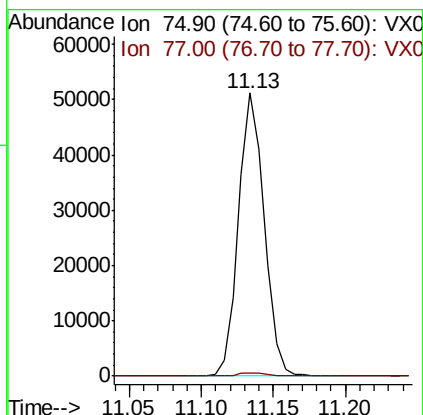
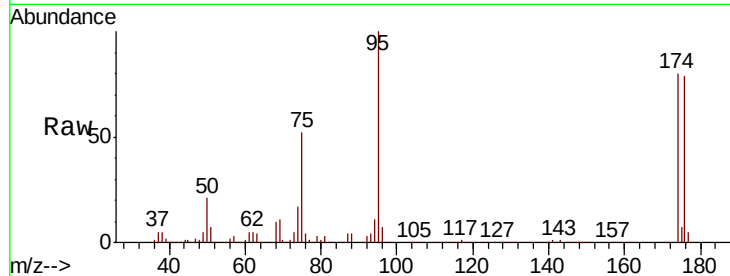
ClientSampled :

Tot Ion: 75 Resp: 63778

Ion Ratio Lower Upper

75 100

77 1.2 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.802 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010036.D

Acq: 03 Jun 2019 15:14

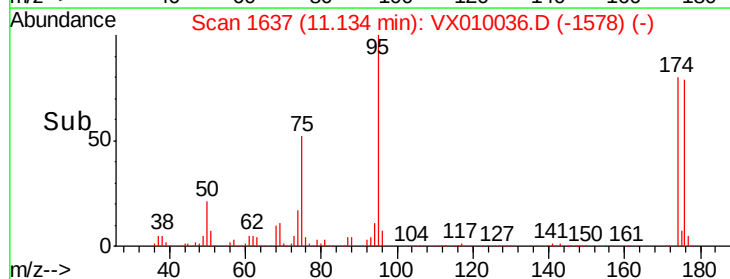
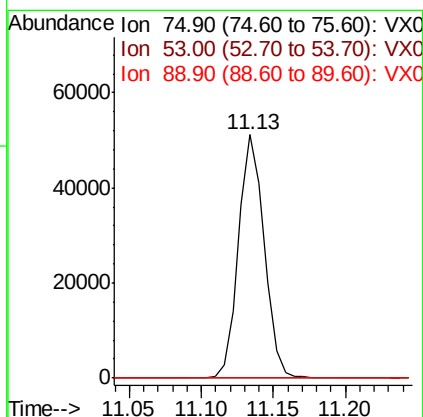
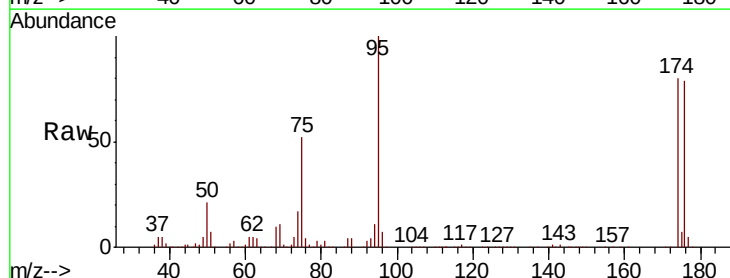
Tgt Ion: 75 Resp: 63778

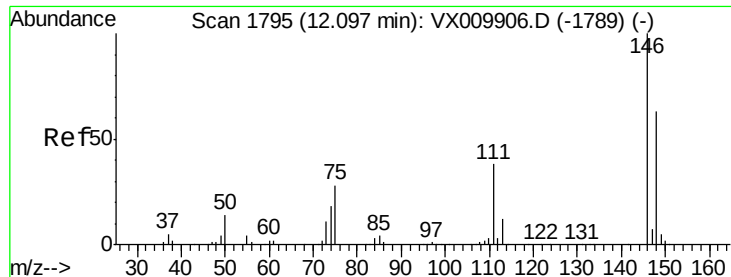
Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#





#88

1,4-Dichlorobenzene

Concen: 0.260 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010036.D

Acq: 03 Jun 2019 15:14

Instrument :

MSVOA_X

ClientSampled :

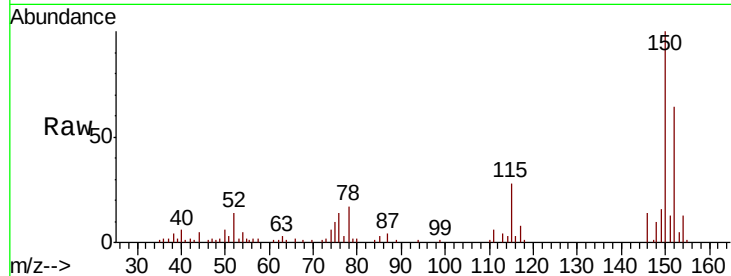
Tot Ion:146 Resp: 1013

Ion Ratio Lower Upper

146 100

111 171.6 20.0 59.9#

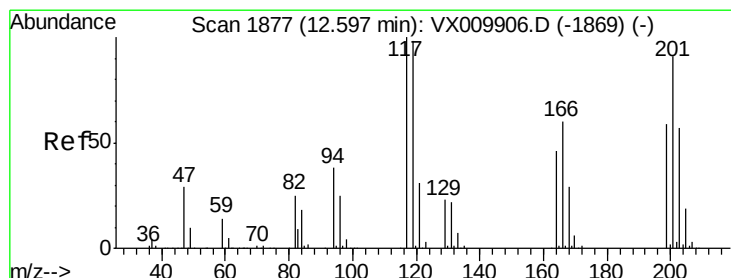
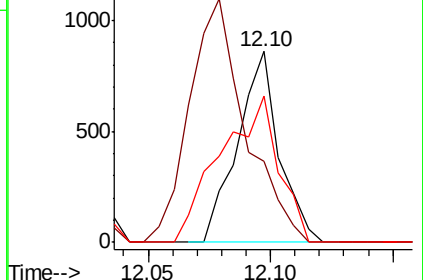
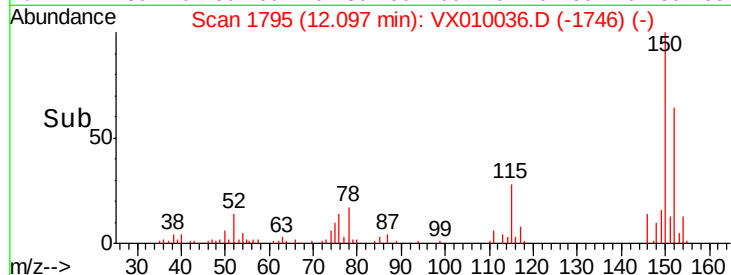
148 107.8 32.3 96.9#



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: 0.227 ug/l

RT: 12.75 min Scan# 1902

Delta R.T. 0.15 min

Lab File: VX010036.D

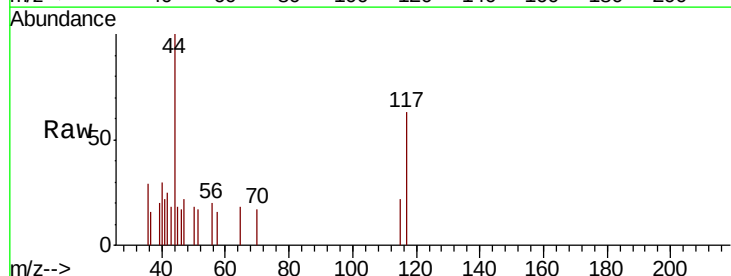
Acq: 03 Jun 2019 15:14

Tgt Ion:117 Resp: 283

Ion Ratio Lower Upper

117 100

201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

