

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010244.D
 Acq On : 12 Jun 2019 12:41
 Operator : JC/SP
 Sample : K3315-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 01:25:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	316848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	475230	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	423775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197008	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	142391	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
35) Dibromofluoromethane	5.50	113	146846	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	8.71	98	555203	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	187093	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	597	0.581	ug/l #	65
6) Chloroethane	1.65	64	4473	3.260	ug/l #	43
11) Tert butyl alcohol	3.02	59	4677	6.173	ug/l #	83
13) Acrolein	2.25	56	159	1.151	ug/l #	72
16) Acetone	2.45	43	599	0.412	ug/l #	79
36) 1,1-Dichloropropene	5.66	75	18905	4.876	ug/l #	53
38) Carbon Tetrachloride	5.66	117	26913	6.133	ug/l #	16
49) 1,4-Dioxane	7.79	88	22	0.245	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	85778	21.768	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	85778	48.095	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: VX010244.D

Acq: 12 Jun 2019 12:41

Instrument :

MSVOA_X

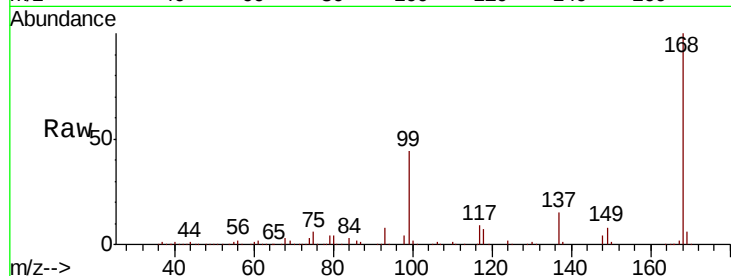
ClientSampleId :

Tot Ion:168 Resp: 316848

Ion Ratio Lower Upper

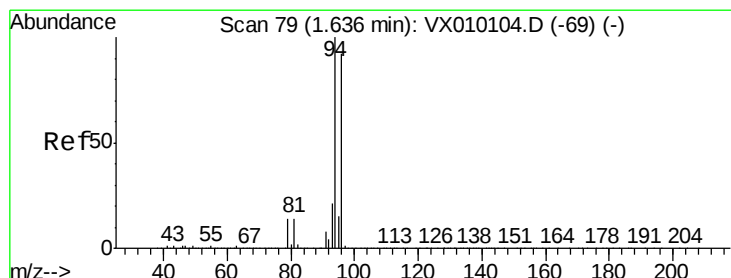
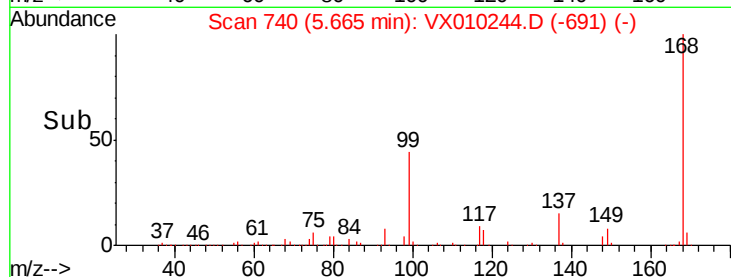
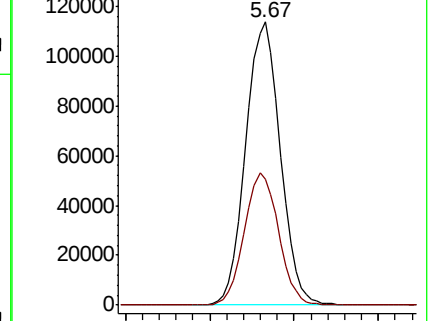
168 100

99 44.3 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: 0.581 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010244.D

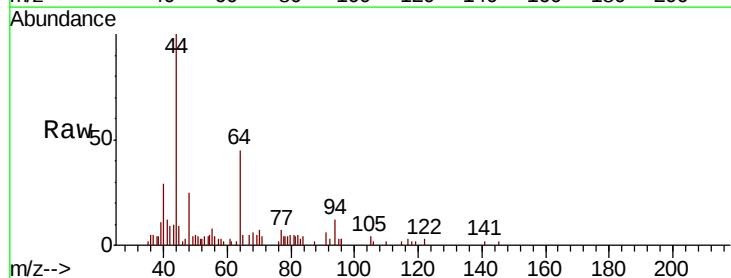
Acq: 12 Jun 2019 12:41

Tgt Ion: 94 Resp: 597

Ion Ratio Lower Upper

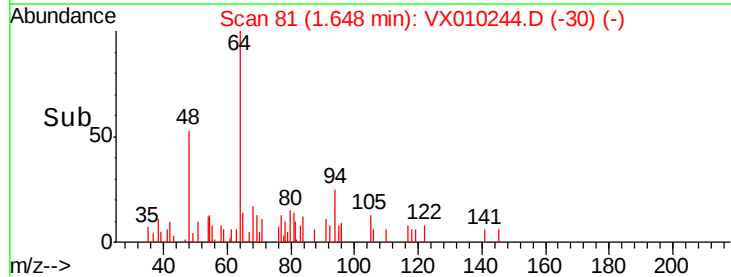
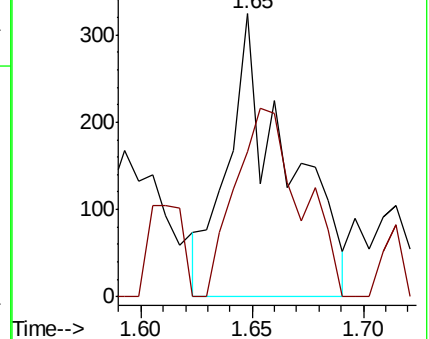
94 100

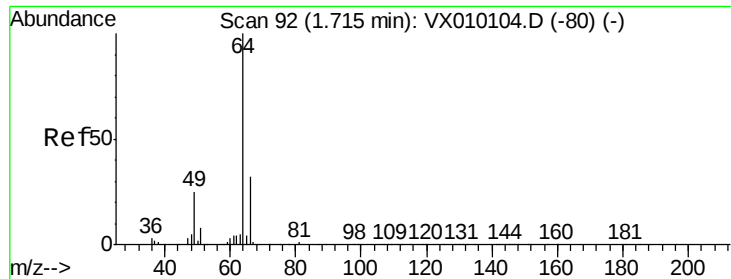
96 61.0 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 3.260 ug/l

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

Instrument :

MSVOA_X

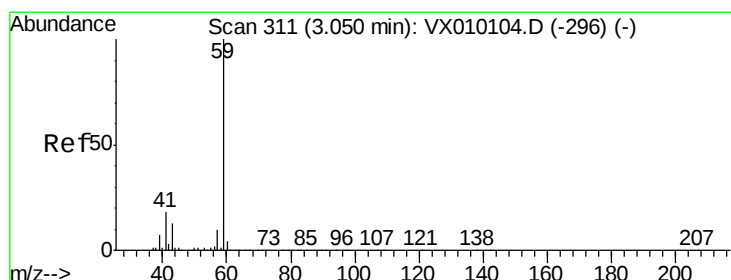
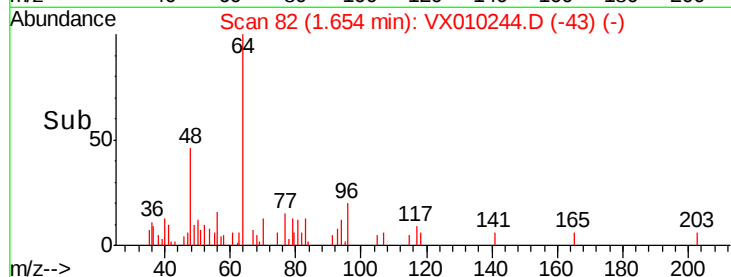
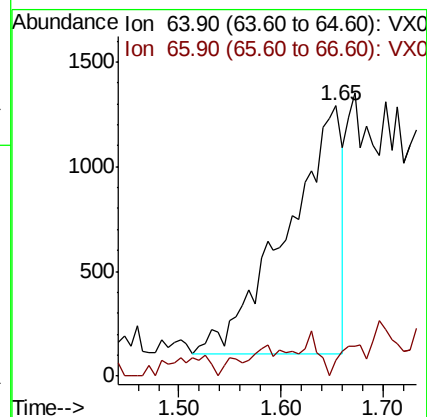
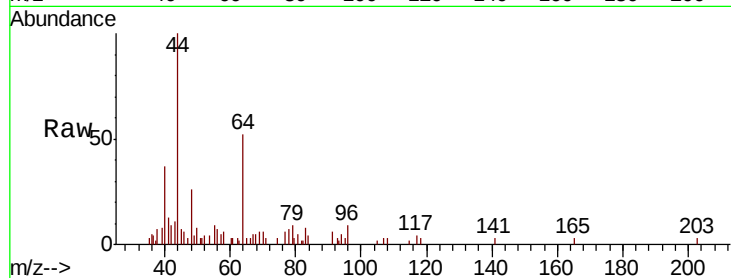
ClientSampleId :

Tot Ion: 64 Resp: 4473

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 6.173 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010244.D

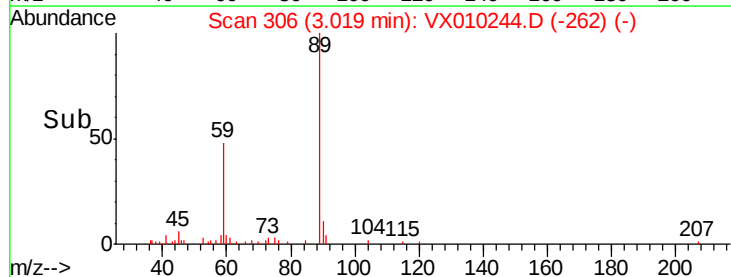
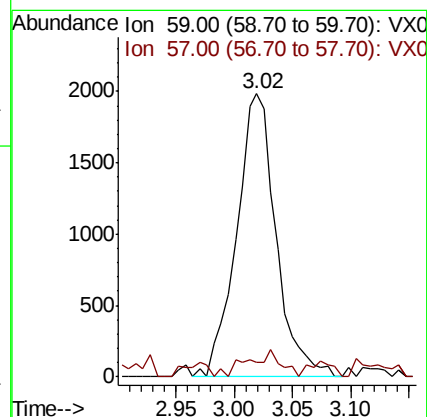
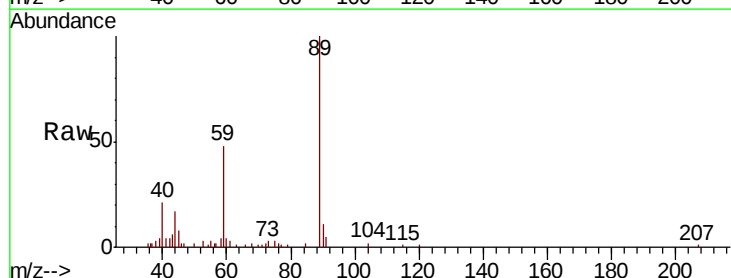
Acq: 12 Jun 2019 12:41

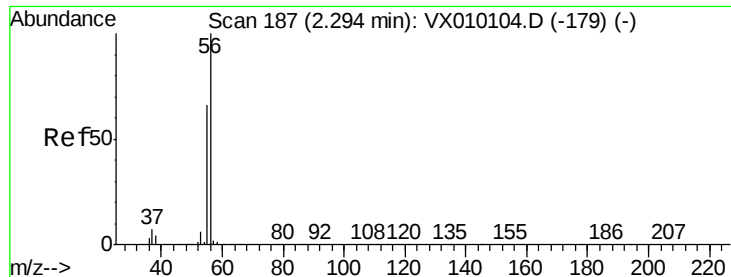
Tgt Ion: 59 Resp: 4677

Ion Ratio Lower Upper

59 100

57 3.9 8.2 12.2#





#13

Acrolein

Concen: 1.151 ug/l

RT: 2.25 min Scan# 179

Delta R.T. -0.05 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

Instrument :

MSVOA_X

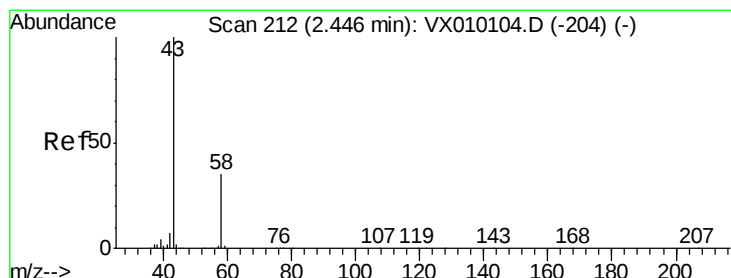
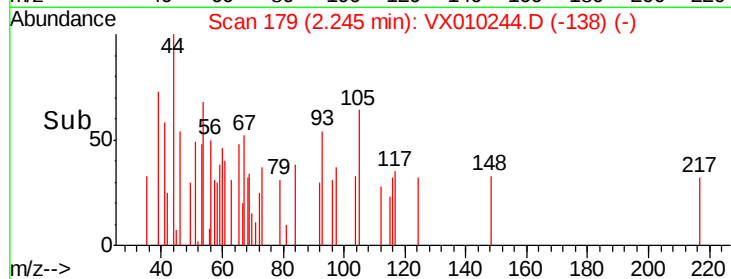
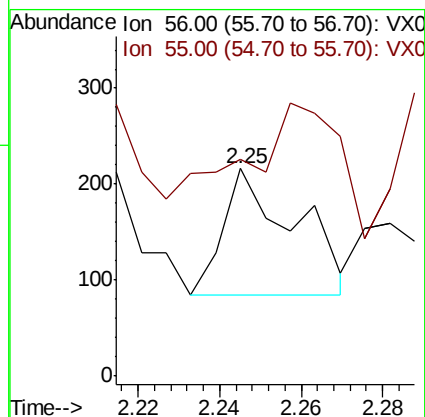
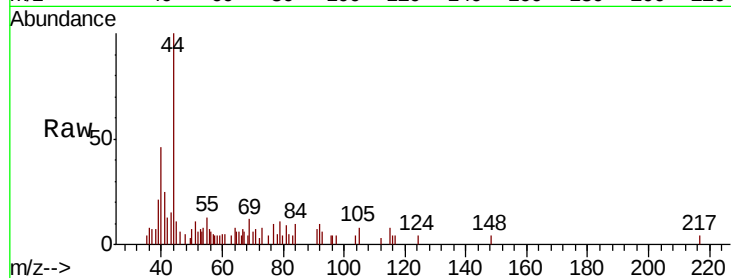
ClientSampled :

Tot Ion: 56 Resp: 159

Ion Ratio Lower Upper

56 100

55 94.3 57.0 85.4#



#16

Acetone

Concen: 0.412 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010244.D

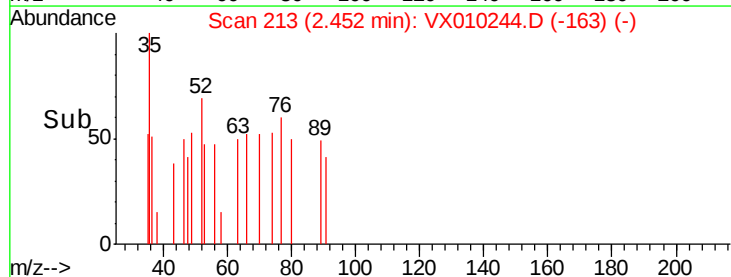
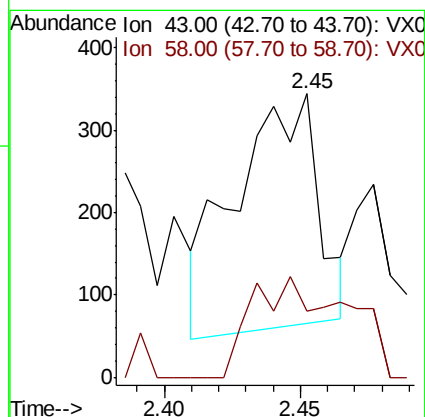
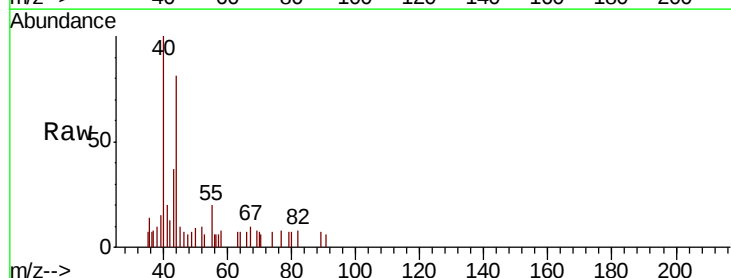
Acq: 12 Jun 2019 12:41

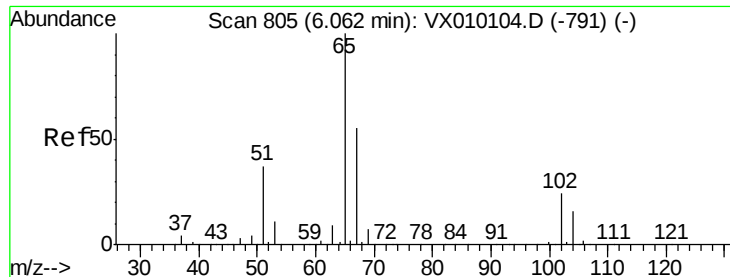
Tgt Ion: 43 Resp: 599

Ion Ratio Lower Upper

43 100

58 40.4 23.2 34.8#





#33

1,2-Dichloroethane-d4

Concen: 46.040 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

Instrument :

MSVOA_X

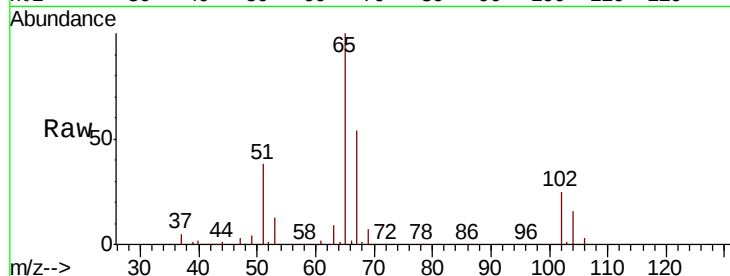
ClientSampleId :

Tot Ion: 65 Resp: 142391

Ion Ratio Lower Upper

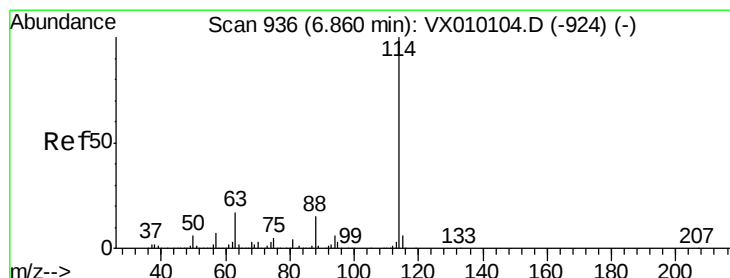
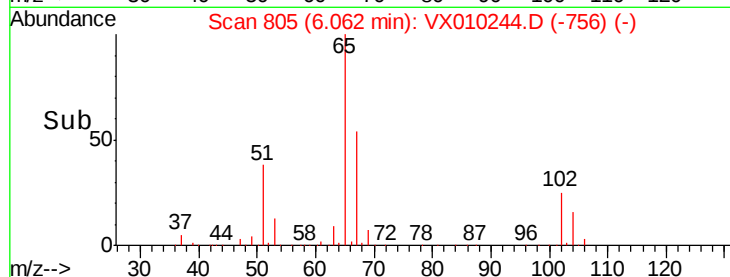
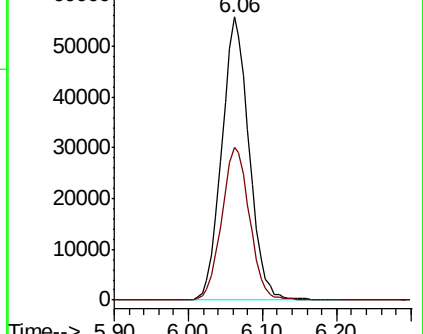
65 100

67 55.2 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: VX010244.D

Acq: 12 Jun 2019 12:41

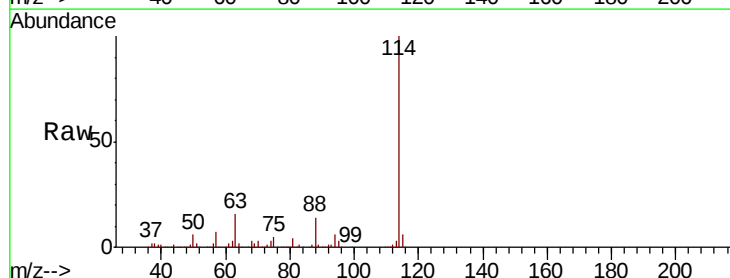
Tgt Ion: 114 Resp: 475230

Ion Ratio Lower Upper

114 100

63 16.3 0.0 47.4

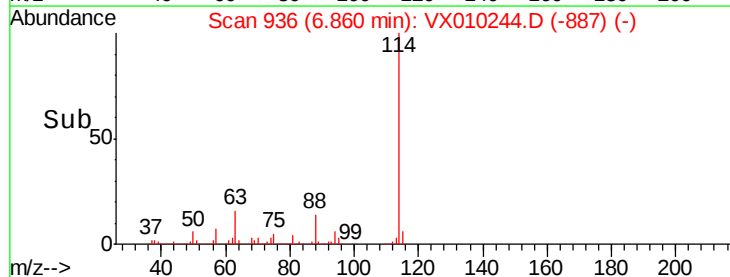
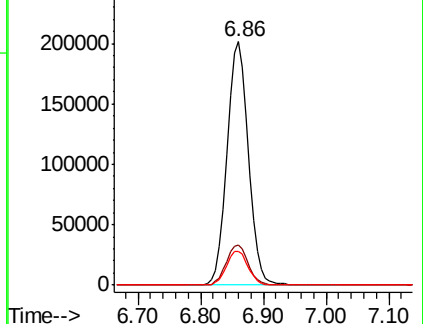
88 14.1 0.0 33.0

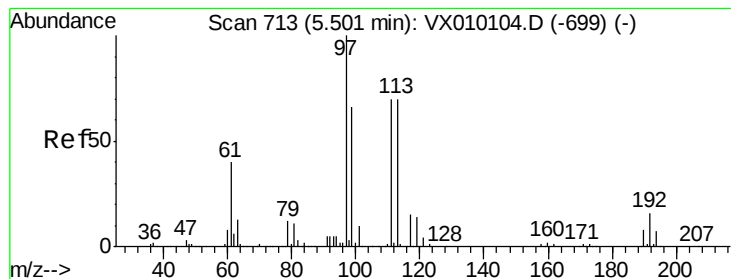


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.095 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

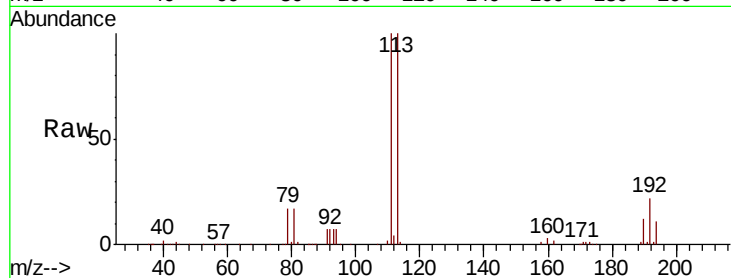
Tot Ion:113 Resp: 146846

Ion Ratio Lower Upper

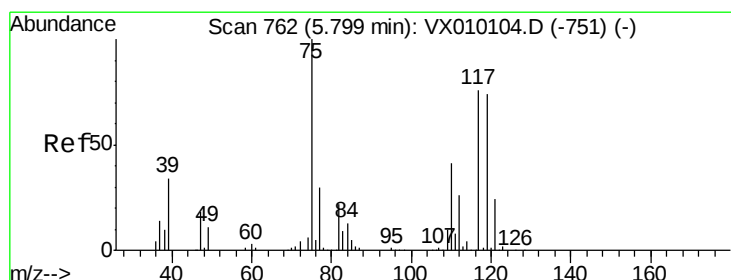
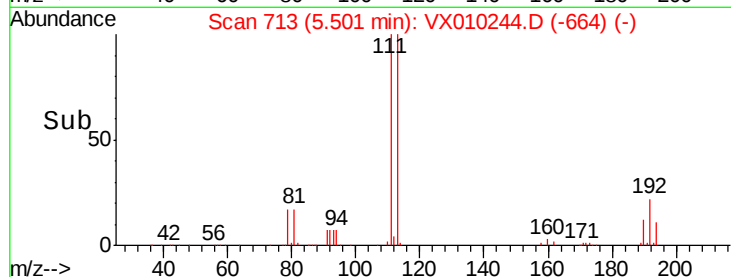
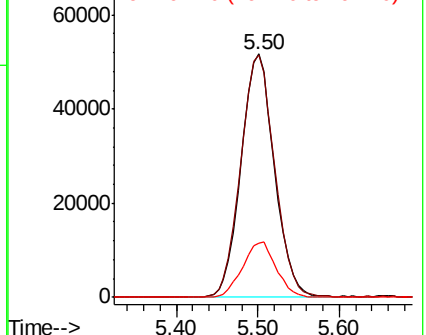
113 100

111 101.1 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: 4.876 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

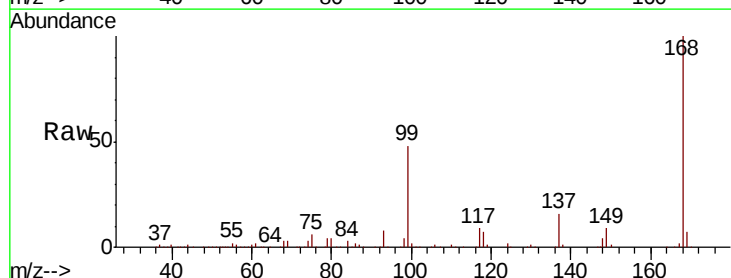
Tgt Ion: 75 Resp: 18905

Ion Ratio Lower Upper

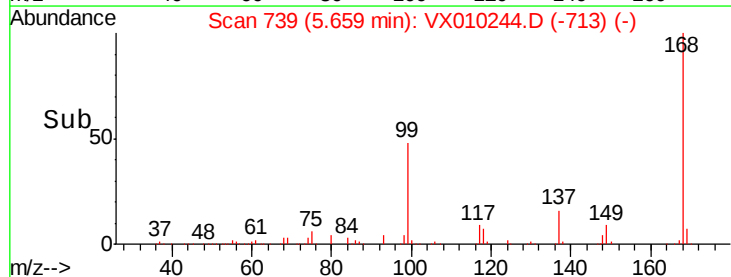
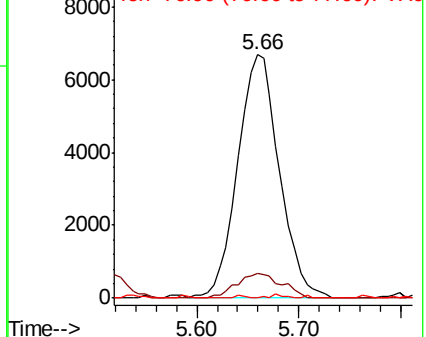
75 100

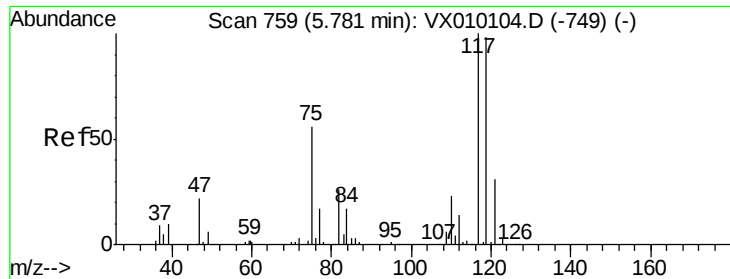
110 10.9 16.7 50.1#

77 0.5 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: 6.133 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampled :

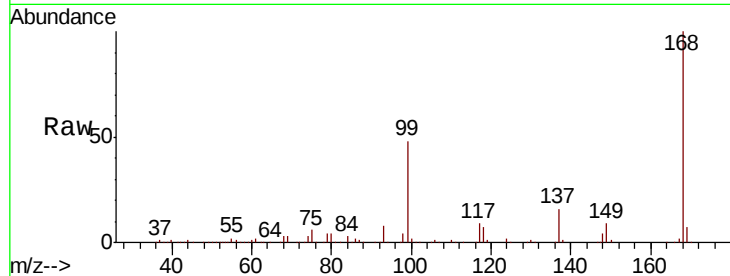
Tot Ion:117 Resp: 26913

Ion Ratio Lower Upper

117 100

119 6.1 77.3 115.9#

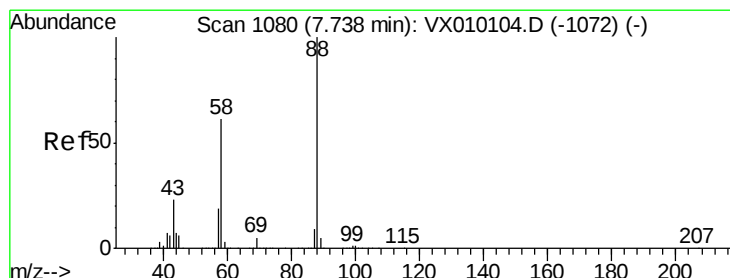
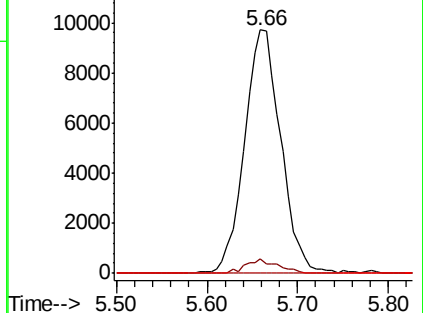
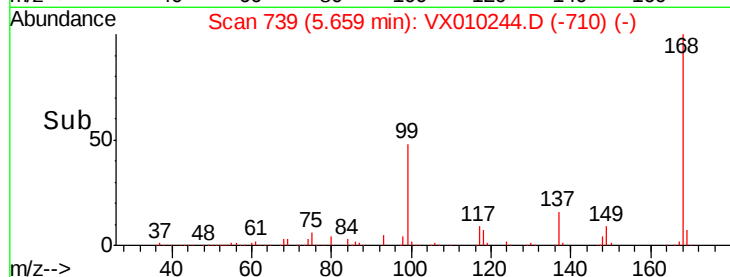
121 0.0 25.4 38.0#



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



#49

1,4-Dioxane

Concen: 0.245 ug/l

RT: 7.79 min Scan# 1088

Delta R.T. 0.05 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

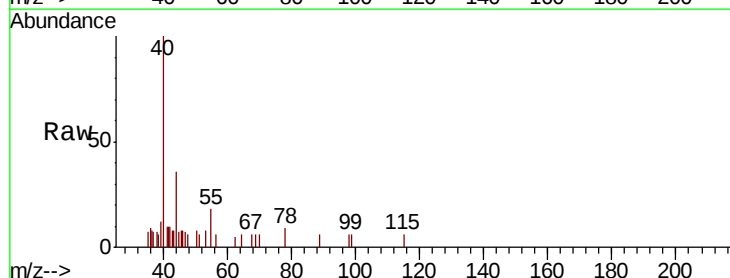
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 695.5 30.2 45.4#

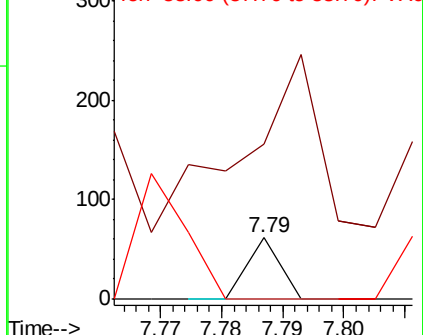
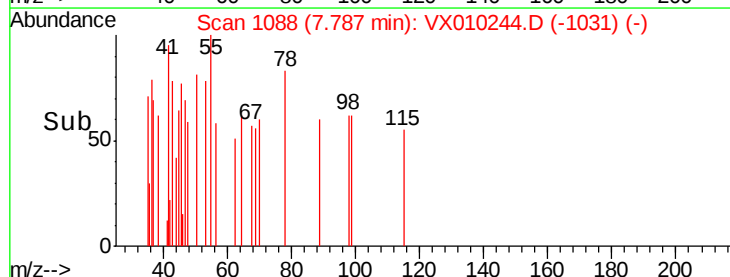
58 0.0 64.0 96.0#

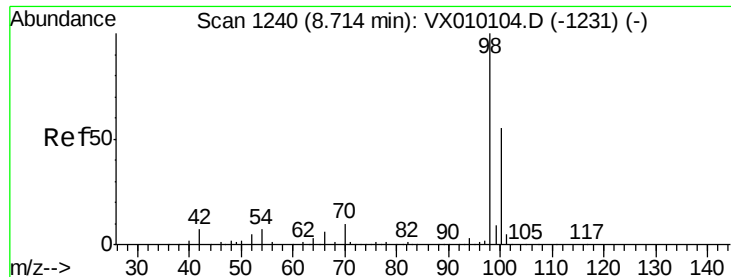


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.537 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

Instrument :

MSVOA_X

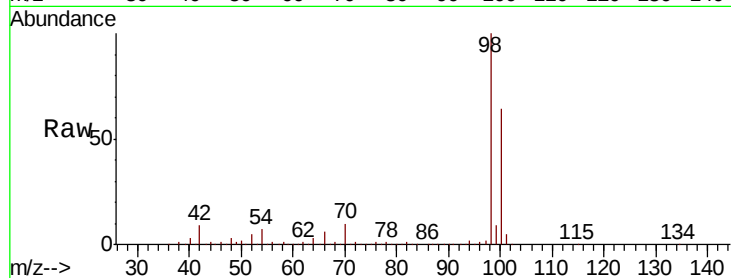
ClientSampleId :

Tot Ion: 98 Resp: 555203

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

400000

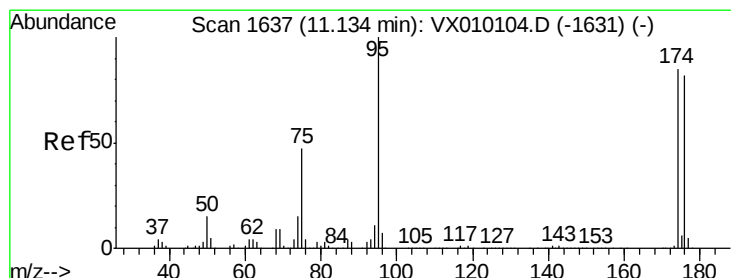
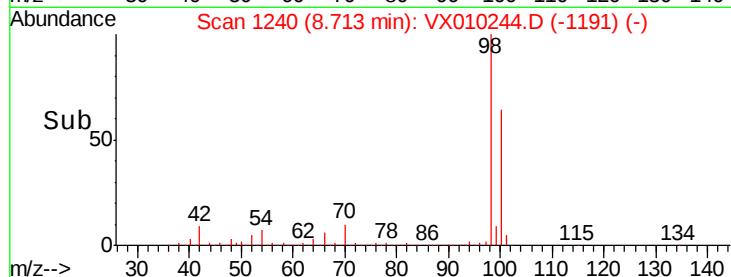
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.600 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

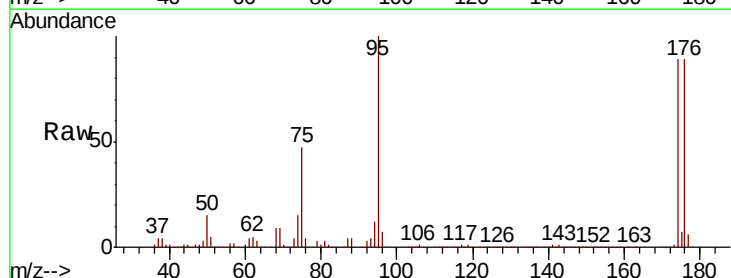
Tgt Ion: 95 Resp: 187093

Ion Ratio Lower Upper

95 100

174 94.9 0.0 160.4

176 92.7 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

200000

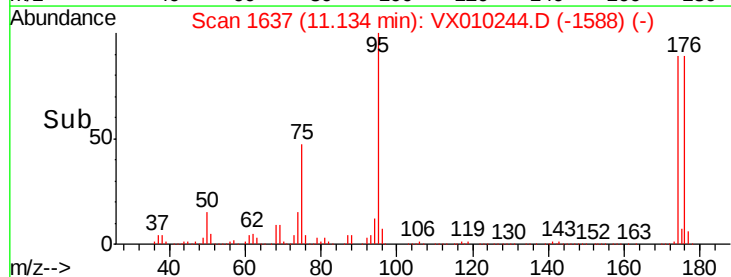
150000

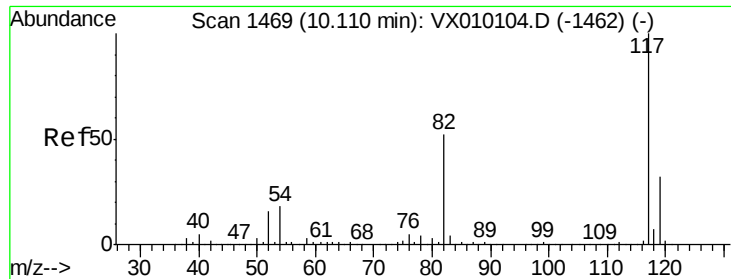
100000

50000

0

Time-->

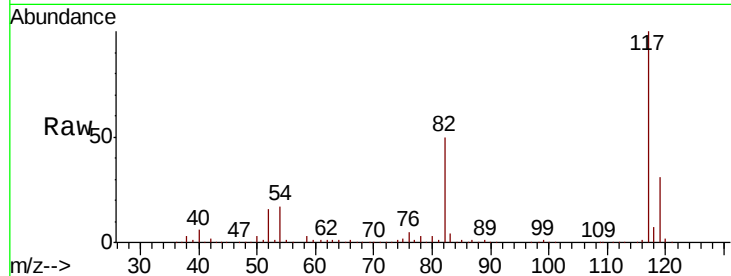




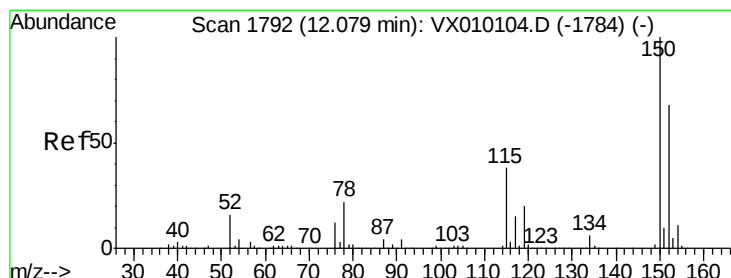
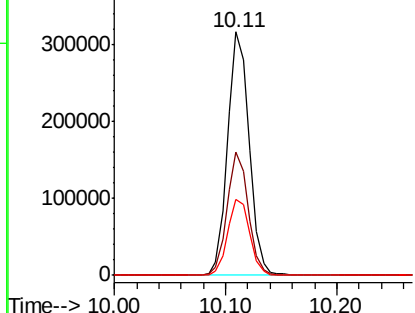
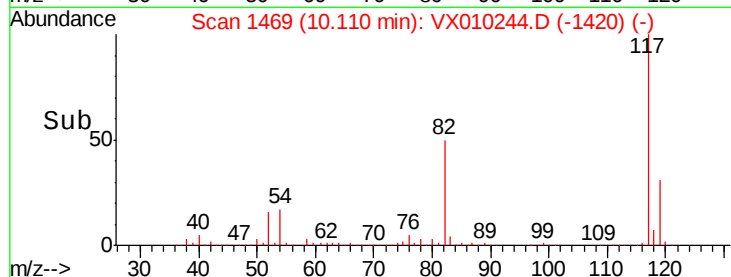
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010244.D
Acq: 12 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 423775
Ion Ratio Lower Upper
117 100
82 50.4 49.2 73.8
119 31.4 25.2 37.8

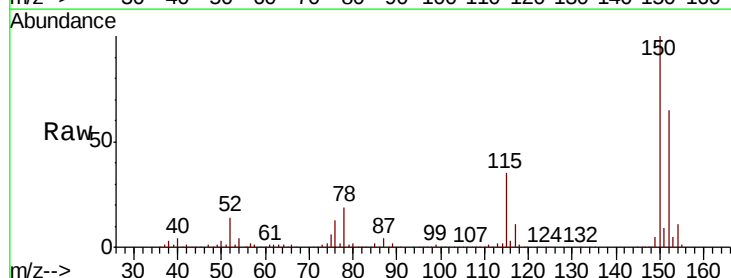


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

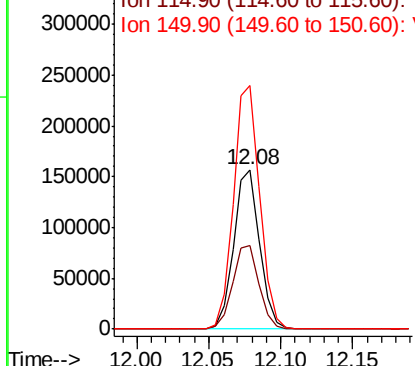
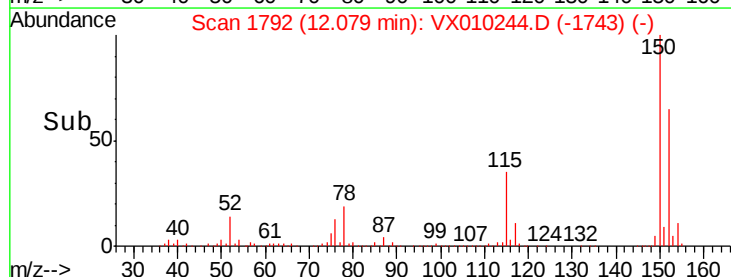


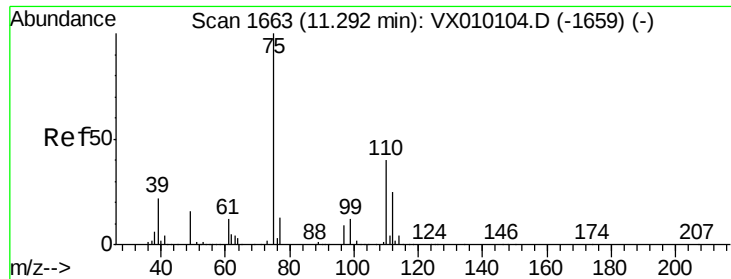
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010244.D
Acq: 12 Jun 2019 12:41

Tgt Ion:152 Resp: 197008
Ion Ratio Lower Upper
152 100
115 54.3 41.4 124.2
150 155.1 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: 21.768 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

Instrument :

MSVOA_X

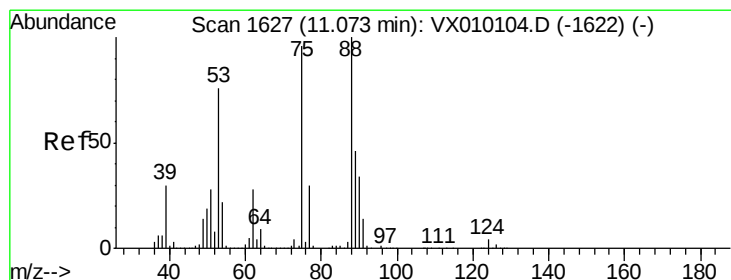
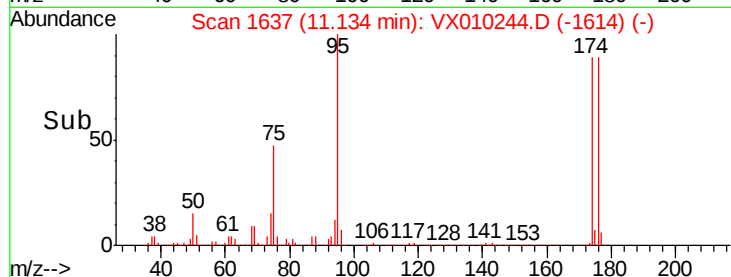
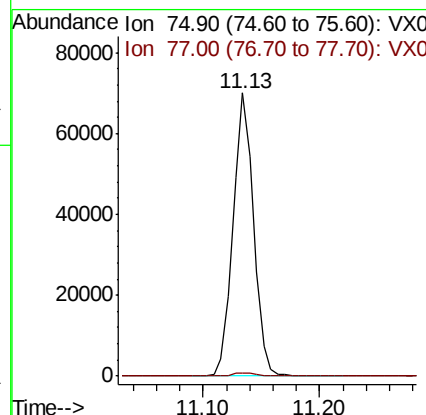
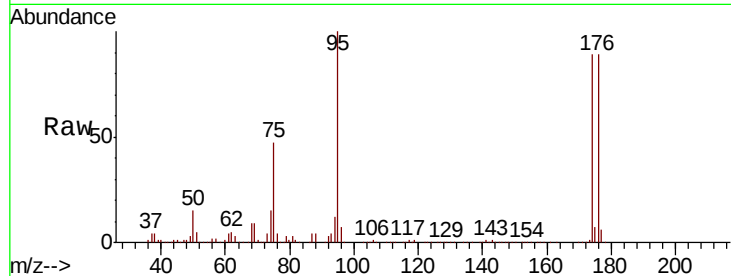
ClientSampleId :

Tot Ion: 75 Resp: 85778

Ion Ratio Lower Upper

75 100

77 1.5 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.095 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010244.D

Acq: 12 Jun 2019 12:41

Tgt Ion: 75 Resp: 85778

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.1 34.2 51.4#

