

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061819\
 Data File : VX010338.D
 Acq On : 18 Jun 2019 13:16
 Operator : JC/SP
 Sample : K3427-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 01:16:57 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	309238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472098	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	427723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203653	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	140406	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	5.50	113	142684	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	8.71	98	548014	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.13	95	188351	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	623	0.235	ug/l #	88
5) Bromomethane	1.65	94	614	0.613	ug/l #	78
11) Tert butyl alcohol	3.02	59	746	1.009	ug/l	100
13) Acrolein	2.29	56	324	2.403	ug/l #	77
27) cis-1,2-Dichloroethene	4.60	96	5527	1.616	ug/l	68
29) Tetrahydrofuran	5.15	42	514	0.387	ug/l #	54
31) Cyclohexane	5.67	56	5253	1.196	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18747	4.867	ug/l #	51
38) Carbon Tetrachloride	5.67	117	26811	6.150	ug/l #	15
49) 1,4-Dioxane	7.74	88	39	0.437	ug/l #	1
71) Bromoform	10.86	173	758	0.243	ug/l #	91
76) 1,2,3-Trichloropropane	11.13	75	89107	21.875	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	89107	48.331	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: VX010338.D

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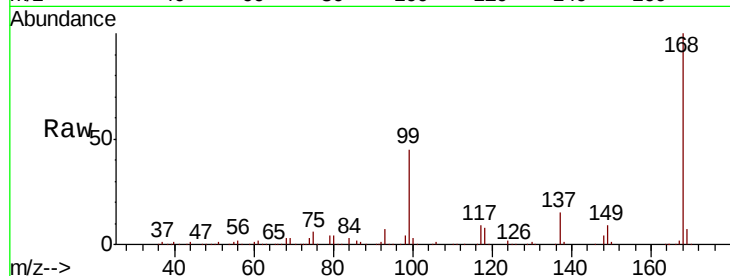
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 309238

Ion Ratio Lower Upper

168 100

99 45.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

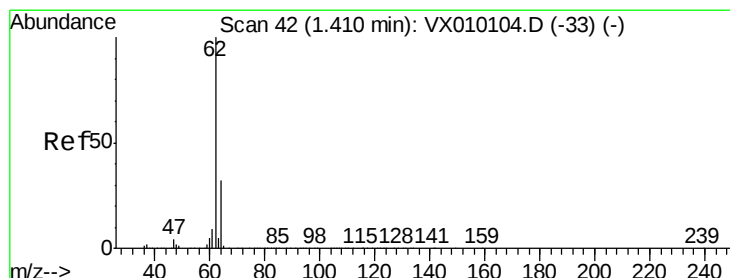
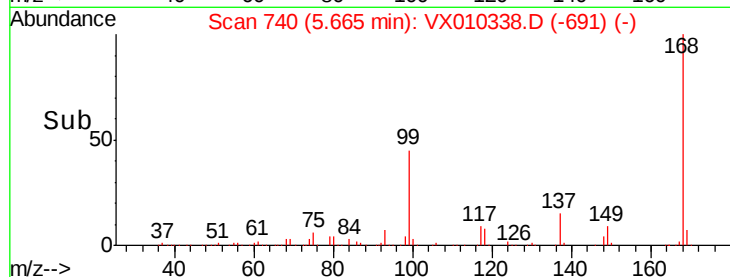
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.235 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010338.D

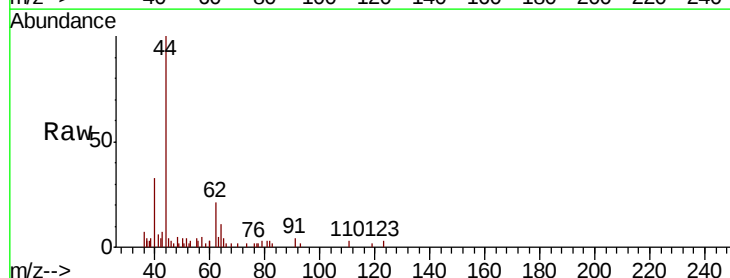
Acq: 18 Jun 2019 13:16

Tgt Ion: 62 Resp: 623

Ion Ratio Lower Upper

62 100

64 38.7 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

600

500

400

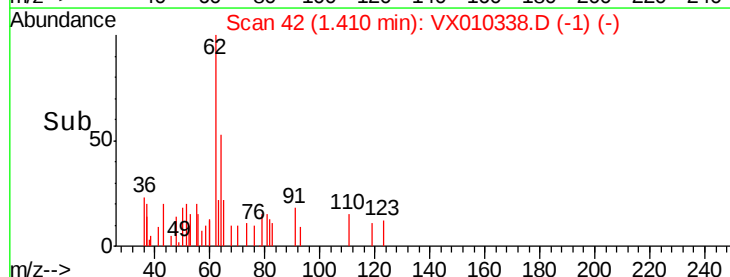
300

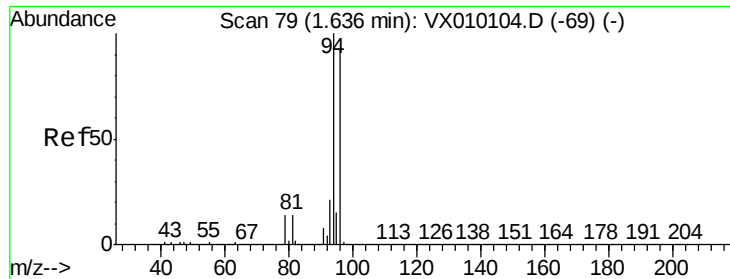
200

100

0

Time--> 1.38 1.40 1.42 1.44





#5

Bromomethane

Concen: 0.613 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010338.D

Acq: 18 Jun 2019 13:16

Instrument :

MSVOA_X

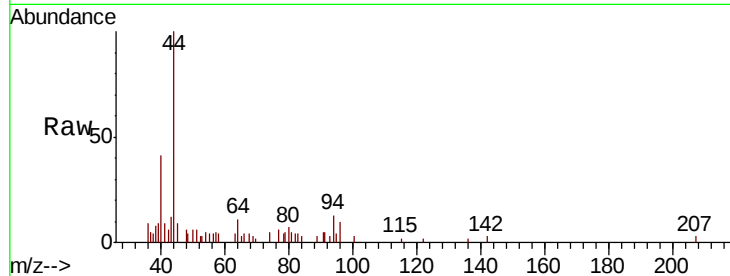
ClientSampled :

Tot Ion: 94 Resp: 614

Ion Ratio Lower Upper

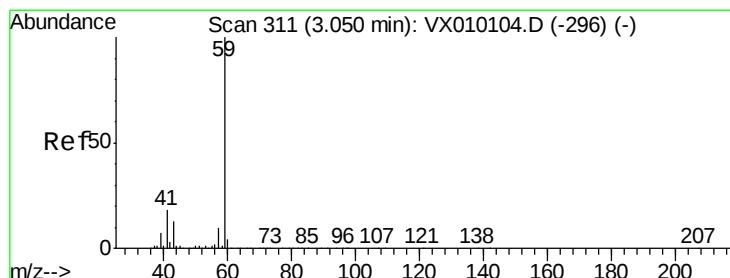
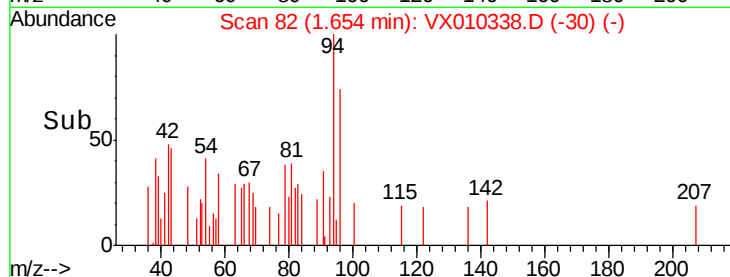
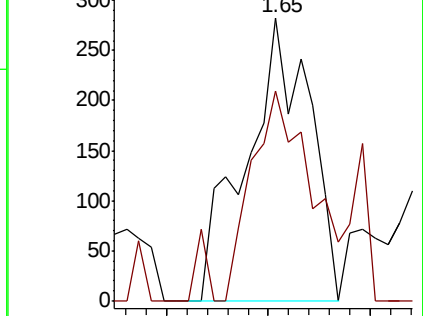
94 100

96 74.2 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 1.009 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010338.D

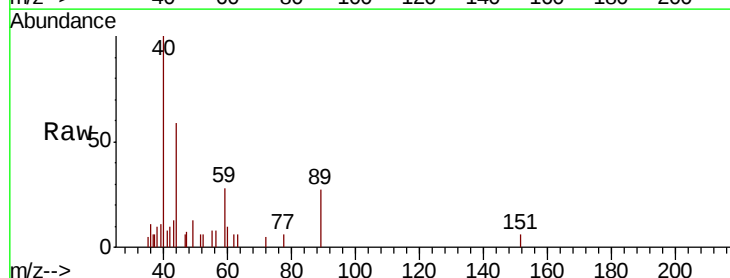
Acq: 18 Jun 2019 13:16

Tgt Ion: 59 Resp: 746

Ion Ratio Lower Upper

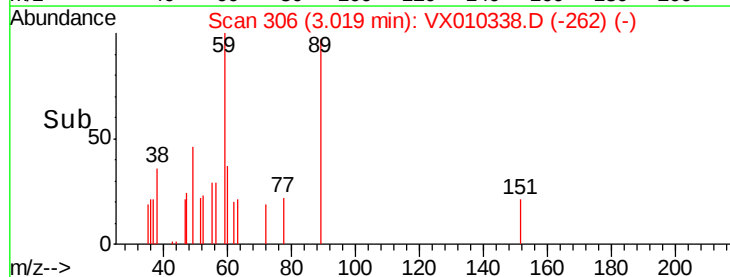
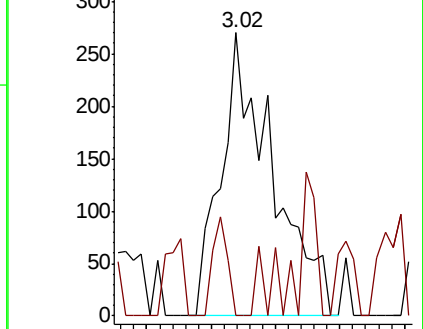
59 100

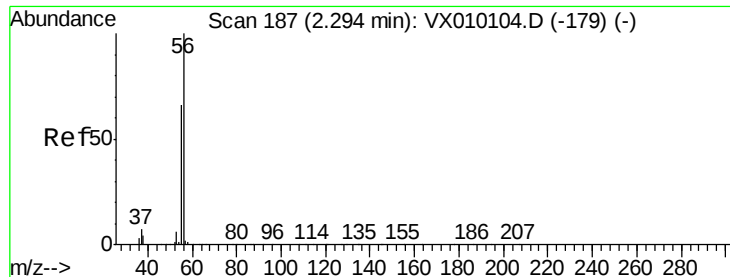
57 10.3 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 2.403 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010338.D

Acq: 18 Jun 2019 13:16

Instrument :

MSVOA_X

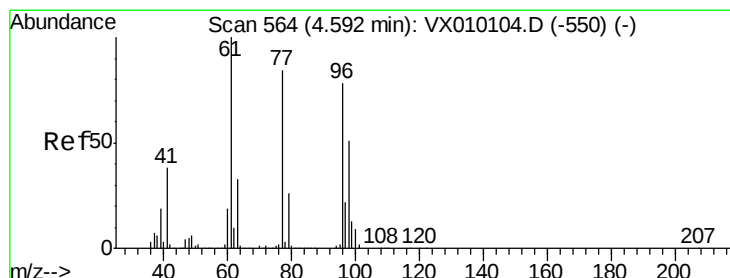
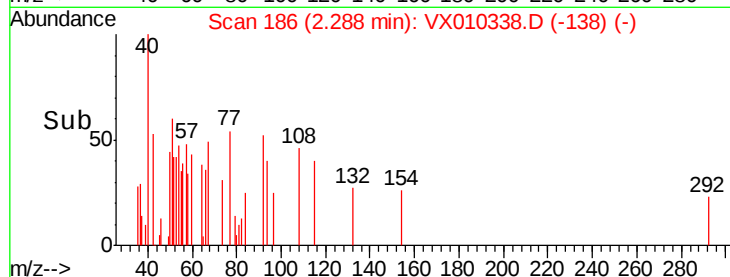
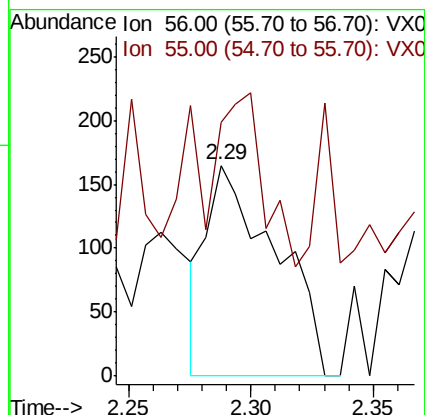
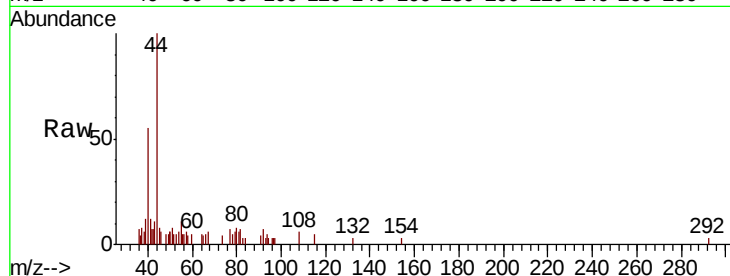
ClientSampleId :

Tot Ion: 56 Resp: 324

Ion Ratio Lower Upper

56 100

55 52.2 57.0 85.4#



#27

cis-1,2-Dichloroethene

Concen: 1.616 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX010338.D

Acq: 18 Jun 2019 13:16

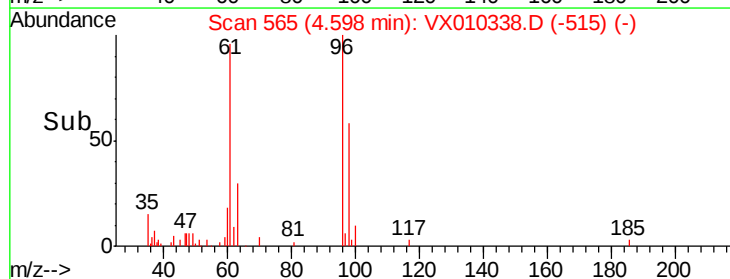
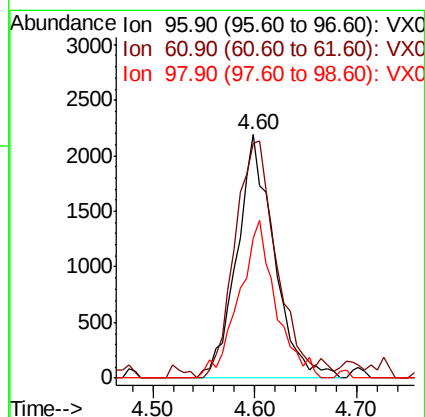
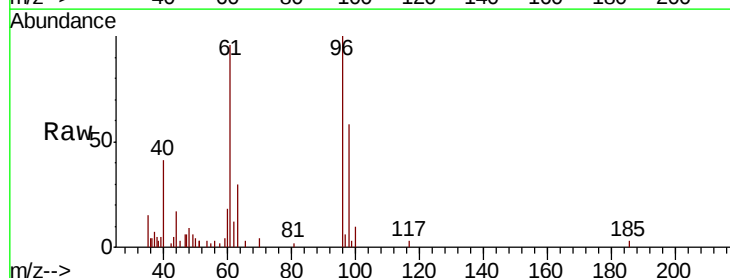
Tgt Ion: 96 Resp: 5527

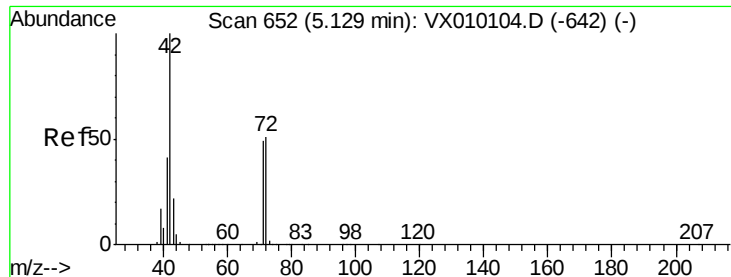
Ion Ratio Lower Upper

96 100

61 108.4 0.0 334.0

98 64.4 0.0 131.6

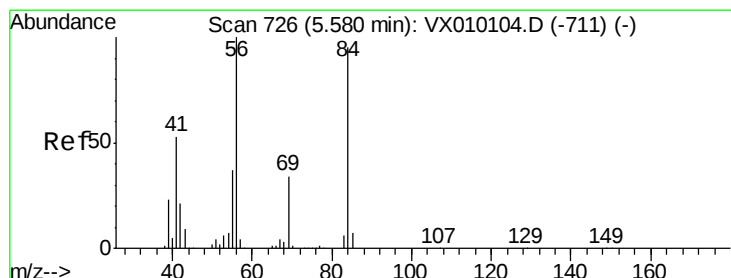
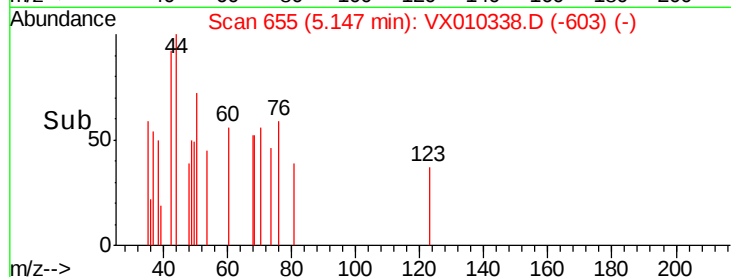
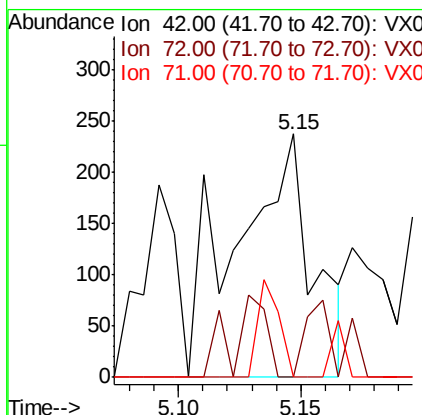
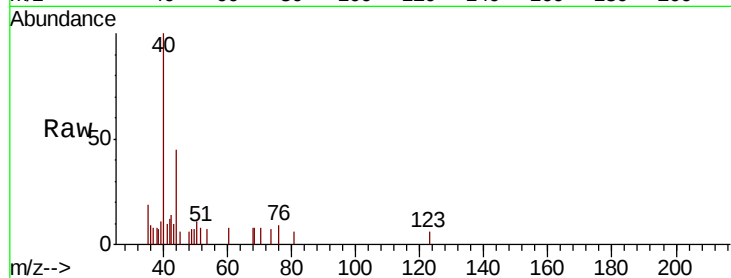




#29
Tetrahydrofuran
Concen: 0.387 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX010338.D
Acq: 18 Jun 2019 13:16

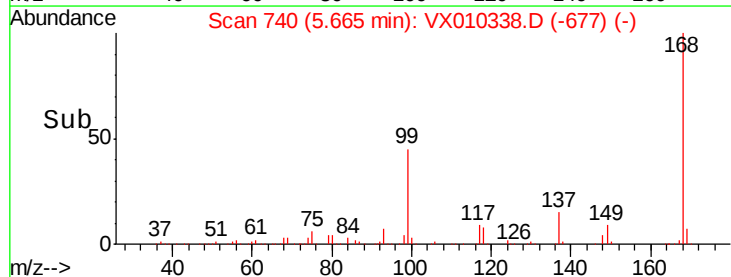
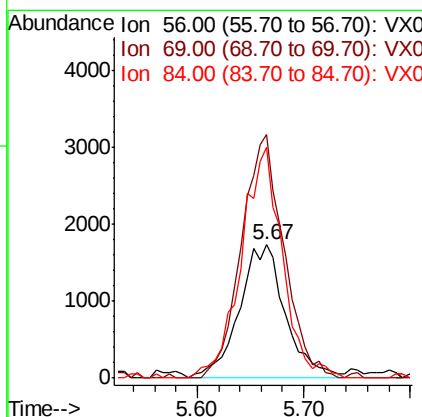
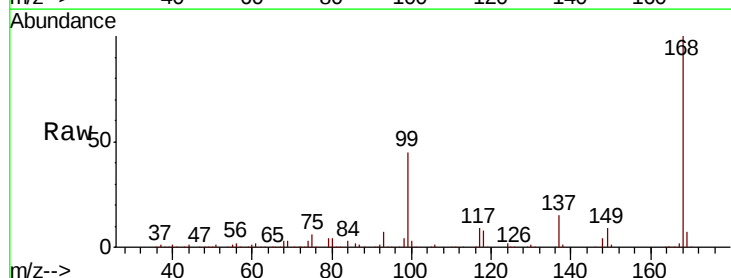
Instrument :
MSVOA_X
ClientSampleId :

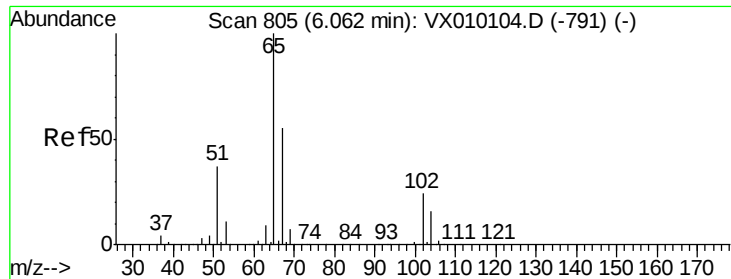
Tot Ion: 42 Resp: 514
Ion Ratio Lower Upper
42 100
72 13.6 29.2 43.8#
71 3.9 27.6 41.4#



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010338.D
Acq: 18 Jun 2019 13:16

Tgt Ion: 56 Resp: 5253
Ion Ratio Lower Upper
56 100
69 182.7 21.6 32.4#
84 173.5 56.8 85.2#





#33

1,2-Dichloroethane-d4

Concen: 46.515 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010338.D

Acq: 18 Jun 2019 13:16

Instrument :

MSVOA_X

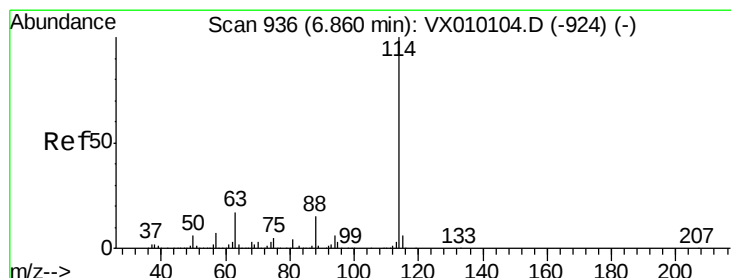
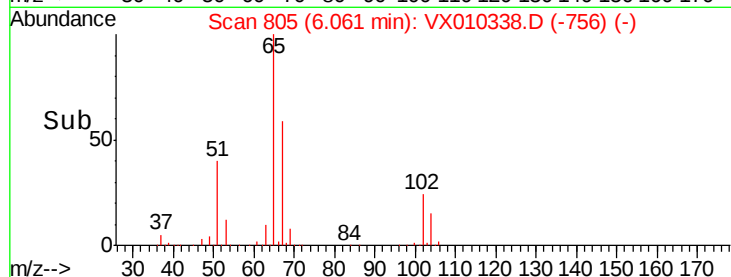
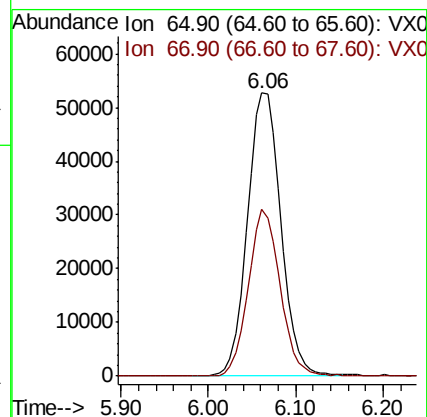
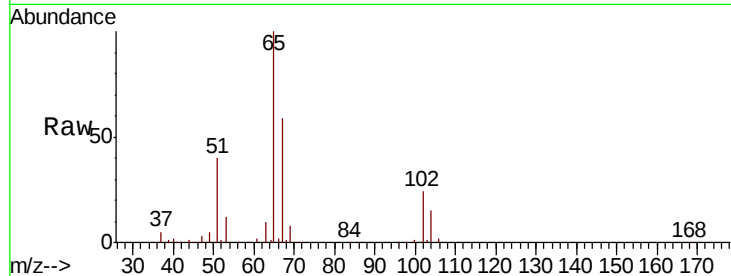
ClientSampleId :

Tot Ion: 65 Resp: 140406

Ion Ratio Lower Upper

65 100

67 56.0 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: VX010338.D

Acq: 18 Jun 2019 13:16

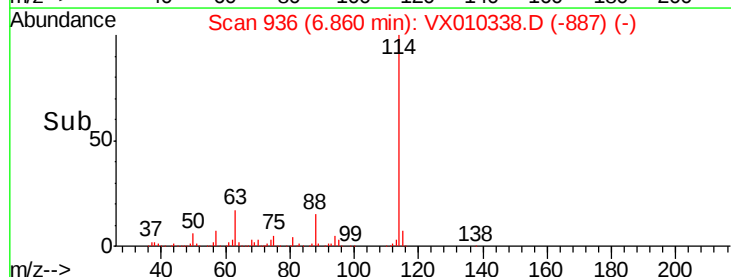
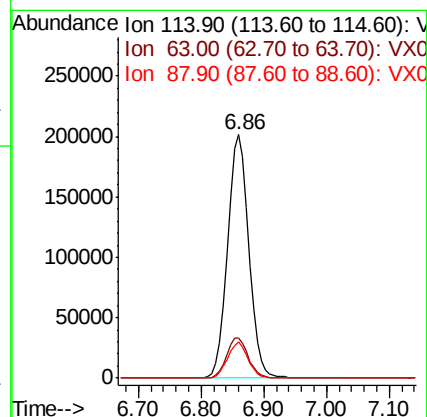
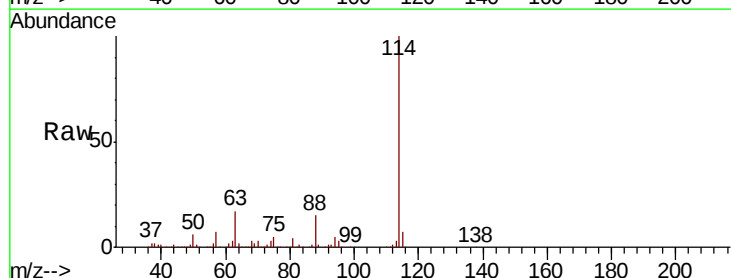
Tgt Ion: 114 Resp: 472098

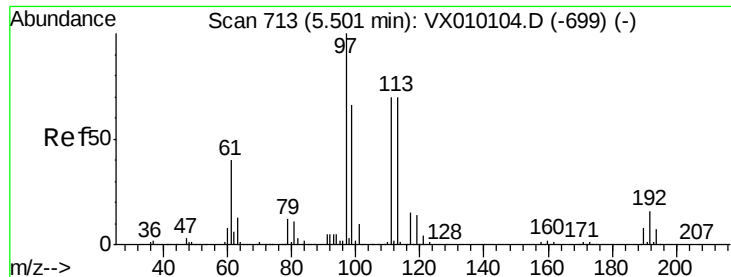
Ion Ratio Lower Upper

114 100

63 16.7 0.0 47.4

88 14.7 0.0 33.0

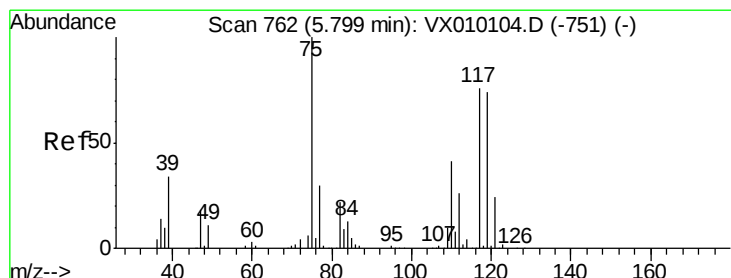
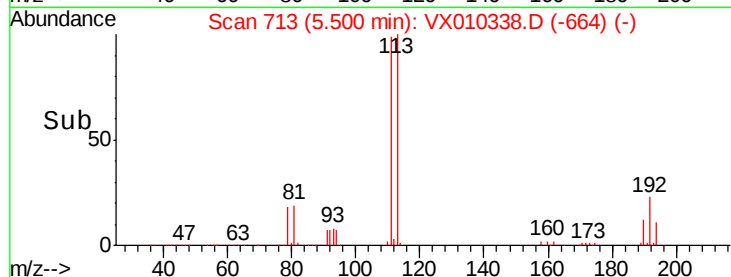
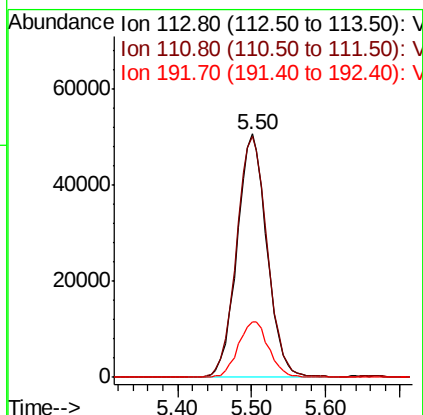
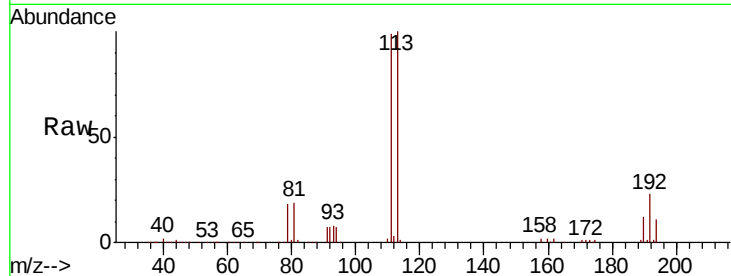




#35
 Dibromofluoromethane
 Concen: 48.998 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010338.D
 Acq: 18 Jun 2019 13:16

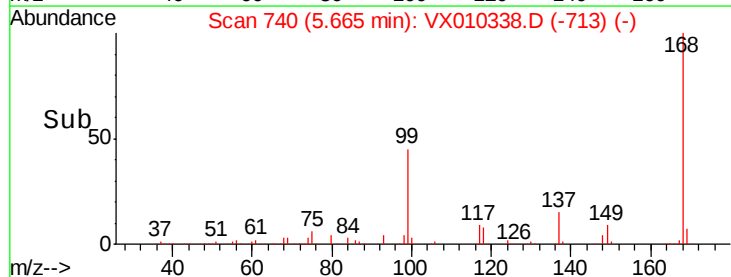
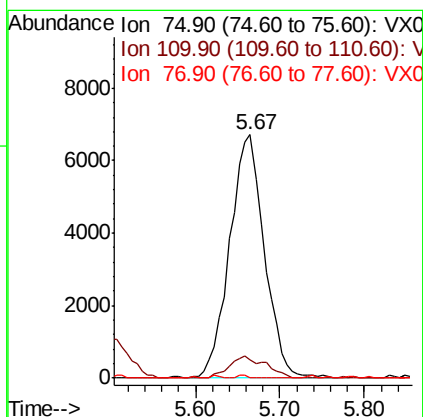
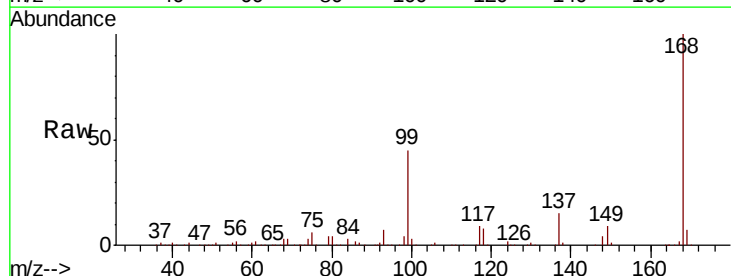
Instrument :
 MSVOA_X
 ClientSampleId :

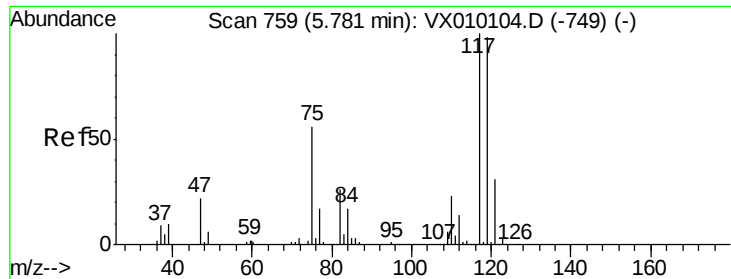
Tot Ion:113 Resp: 142684
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.2
 192 23.2 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010338.D
 Acq: 18 Jun 2019 13:16

Tgt Ion: 75 Resp: 18747
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.7 50.1#
 77 0.3 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.150 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010338.D

Acq: 18 Jun 2019 13:16

Instrument :

MSVOA_X

ClientSampled :

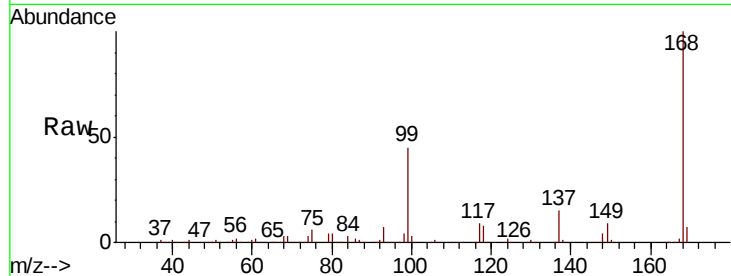
Tot Ion:117 Resp: 26811

Ion Ratio Lower Upper

117 100

119 3.8 77.3 115.9#

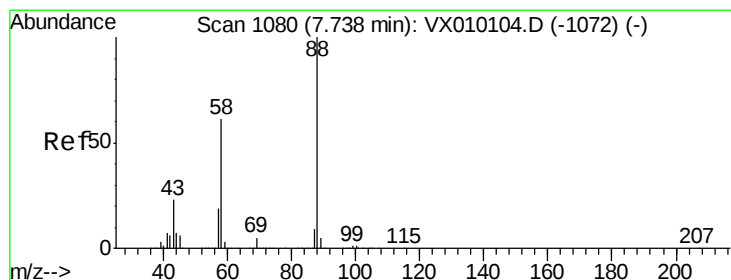
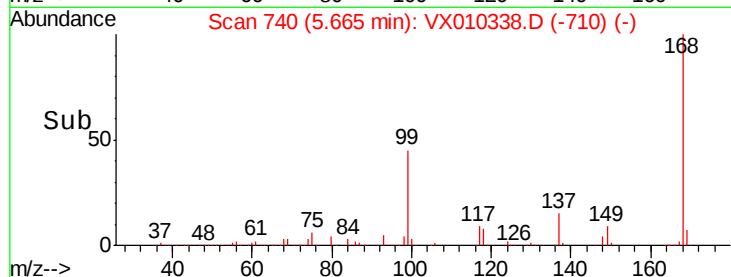
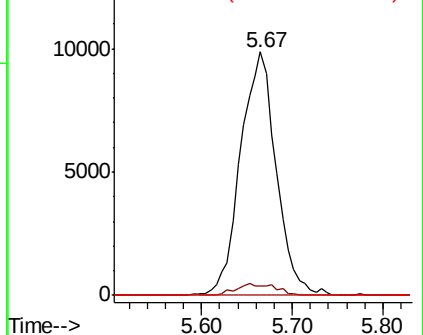
121 0.0 25.4 38.0#



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: 0.437 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010338.D

Acq: 18 Jun 2019 13:16

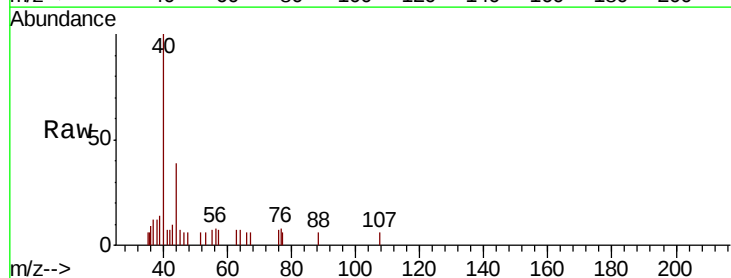
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 443.6 30.2 45.4#

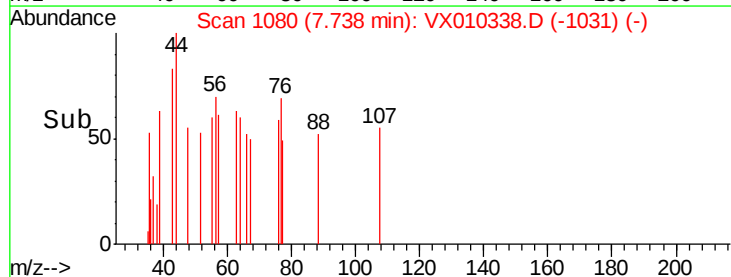
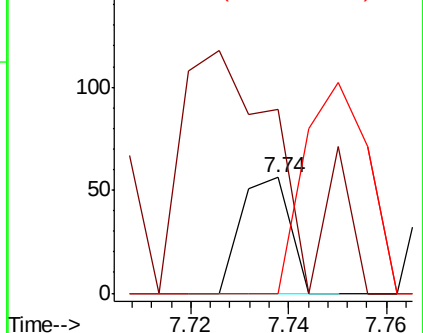
58 0.0 64.0 96.0#

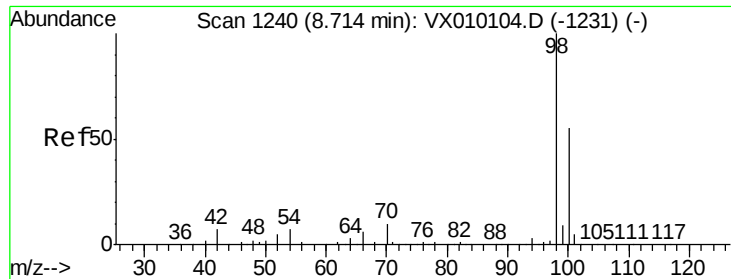


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.213 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010338.D

Acq: 18 Jun 2019 13:16

Instrument :

MSVOA_X

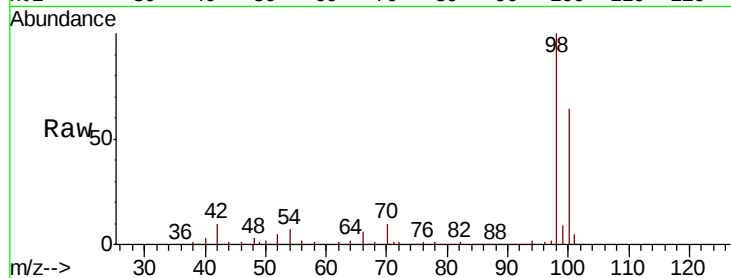
ClientSampleId :

Tot Ion: 98 Resp: 548014

Ion Ratio Lower Upper

98 100

100 64.3 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

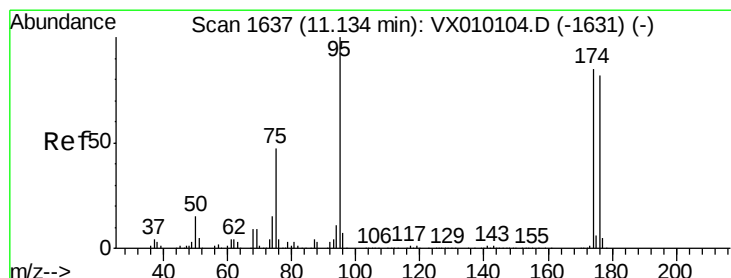
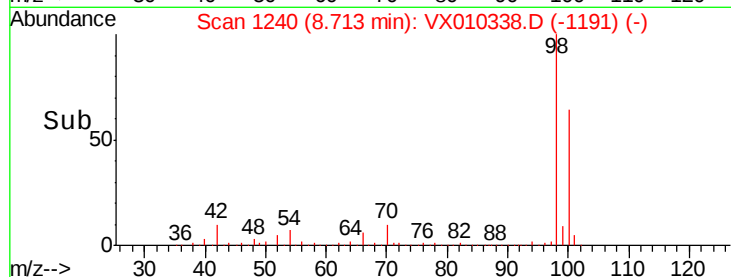
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 46.212 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010338.D

Acq: 18 Jun 2019 13:16

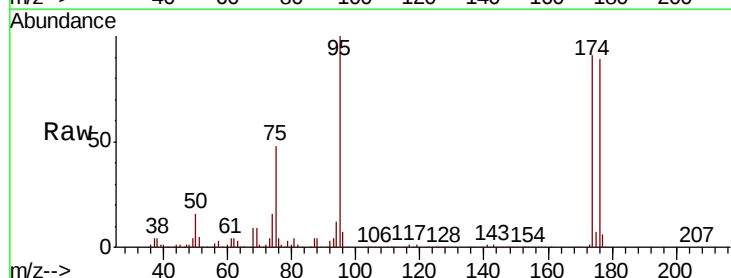
Tgt Ion: 95 Resp: 188351

Ion Ratio Lower Upper

95 100

174 95.6 0.0 160.4

176 93.5 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

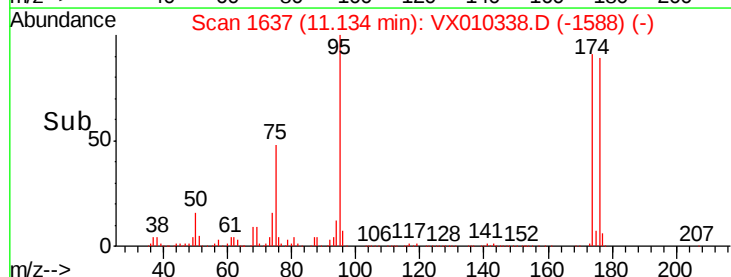
100000

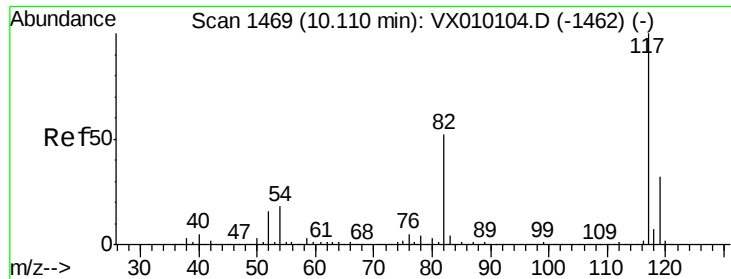
50000

0

11.10 11.20

Time-->

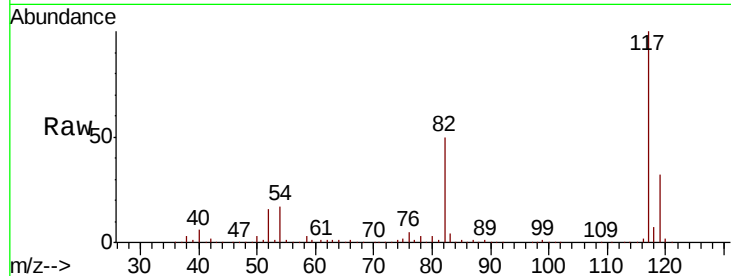




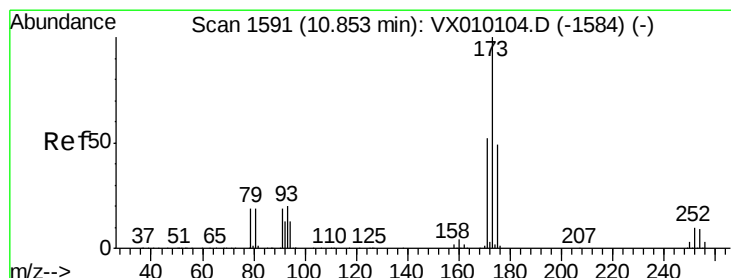
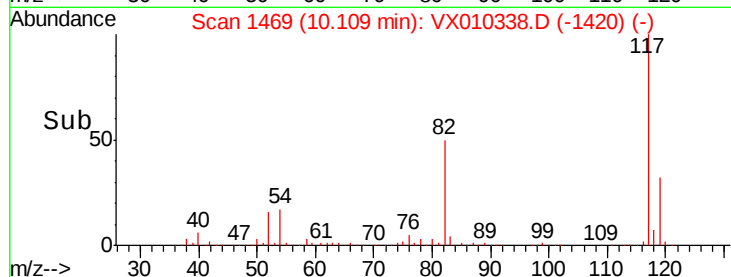
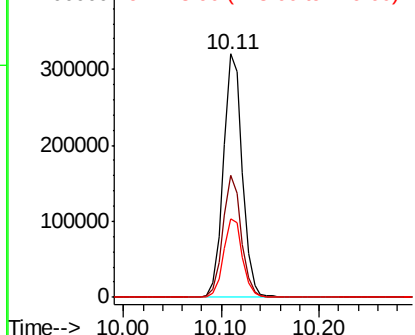
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010338.D
Acq: 18 Jun 2019 13:16

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 427723
Ion Ratio Lower Upper
117 100
82 50.2 49.2 73.8
119 32.2 25.2 37.8

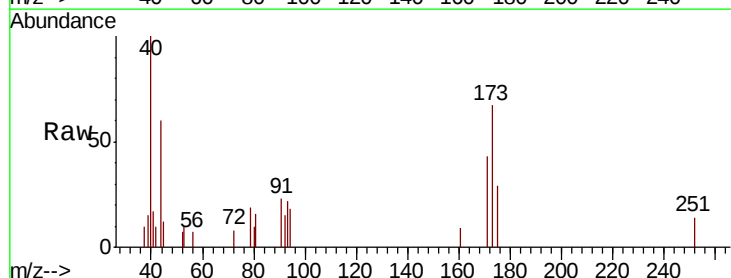


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

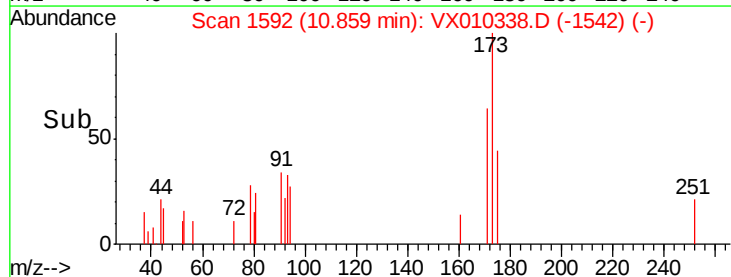
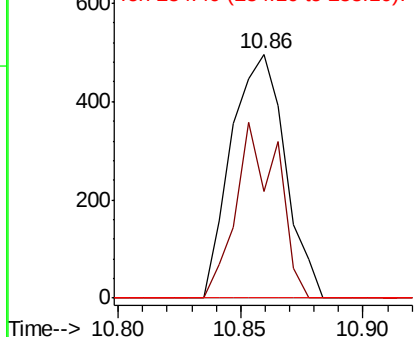


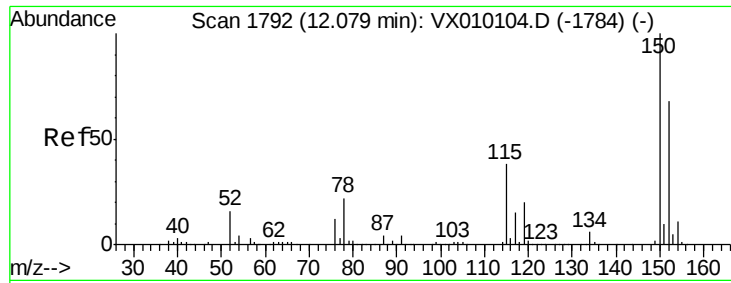
#71
Bromoform
Concen: 0.243 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX010338.D
Acq: 18 Jun 2019 13:16

Tgt Ion:173 Resp: 758
Ion Ratio Lower Upper
173 100
175 56.3 25.0 75.0
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



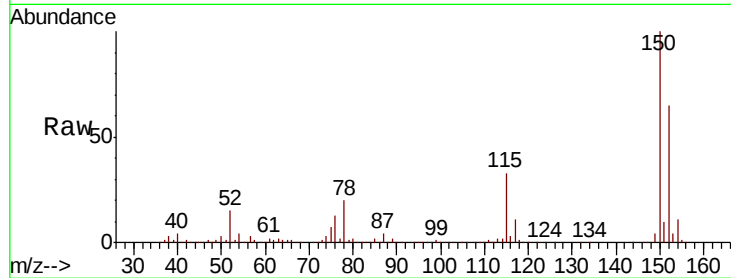


#72

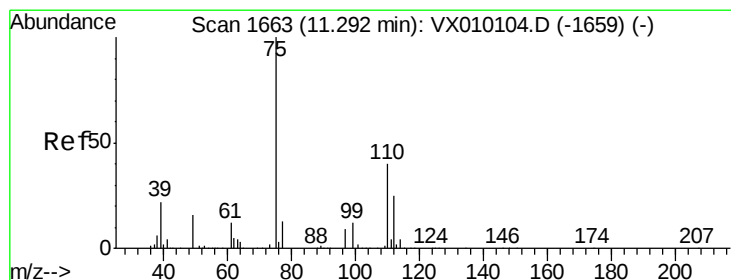
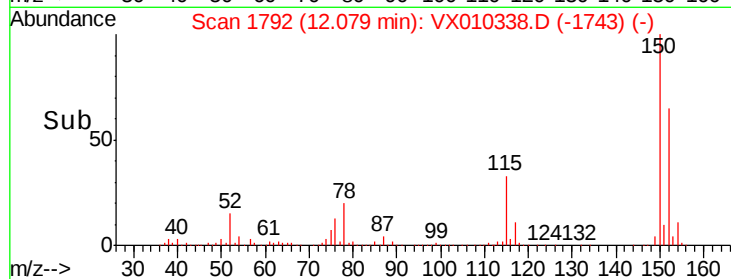
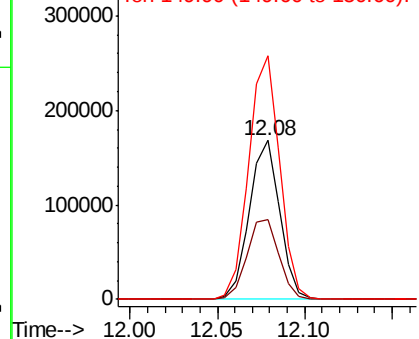
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010338.D
Acq: 18 Jun 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 203653
Ion Ratio Lower Upper
152 100
115 53.1 41.4 124.2
150 157.3 0.0 345.2



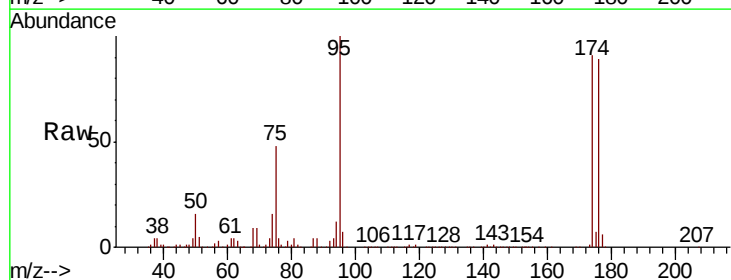
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



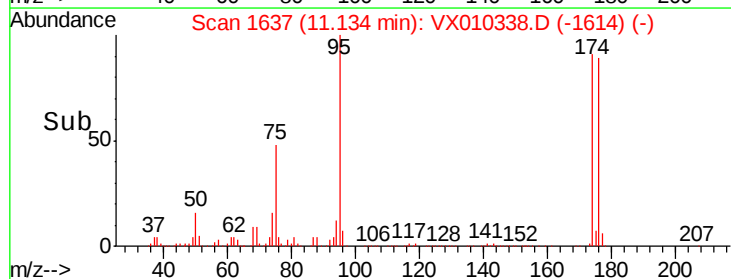
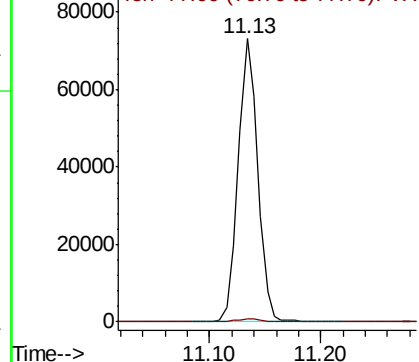
#76

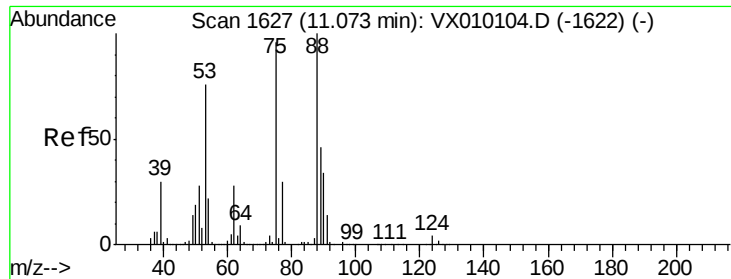
1,2,3-Trichloropropane
Concen: 21.875 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010338.D
Acq: 18 Jun 2019 13:16

Tgt Ion: 75 Resp: 89107
Ion Ratio Lower Upper
75 100
77 1.3 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: 48.331 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010338.D

Acq: 18 Jun 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 89107

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.1 34.2 51.4#

