

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061419\
 Data File : VX010291.D
 Acq On : 14 Jun 2019 11:35
 Operator : JC/SP
 Sample : VX0614MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614MBL01

Quant Time: Jun 14 11:54:56 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	5.66	168	314155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	473710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	421597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195527	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	141961	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
35) Dibromofluoromethane	5.49	113	144080	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	8.71	98	555284	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.13	95	187317	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	

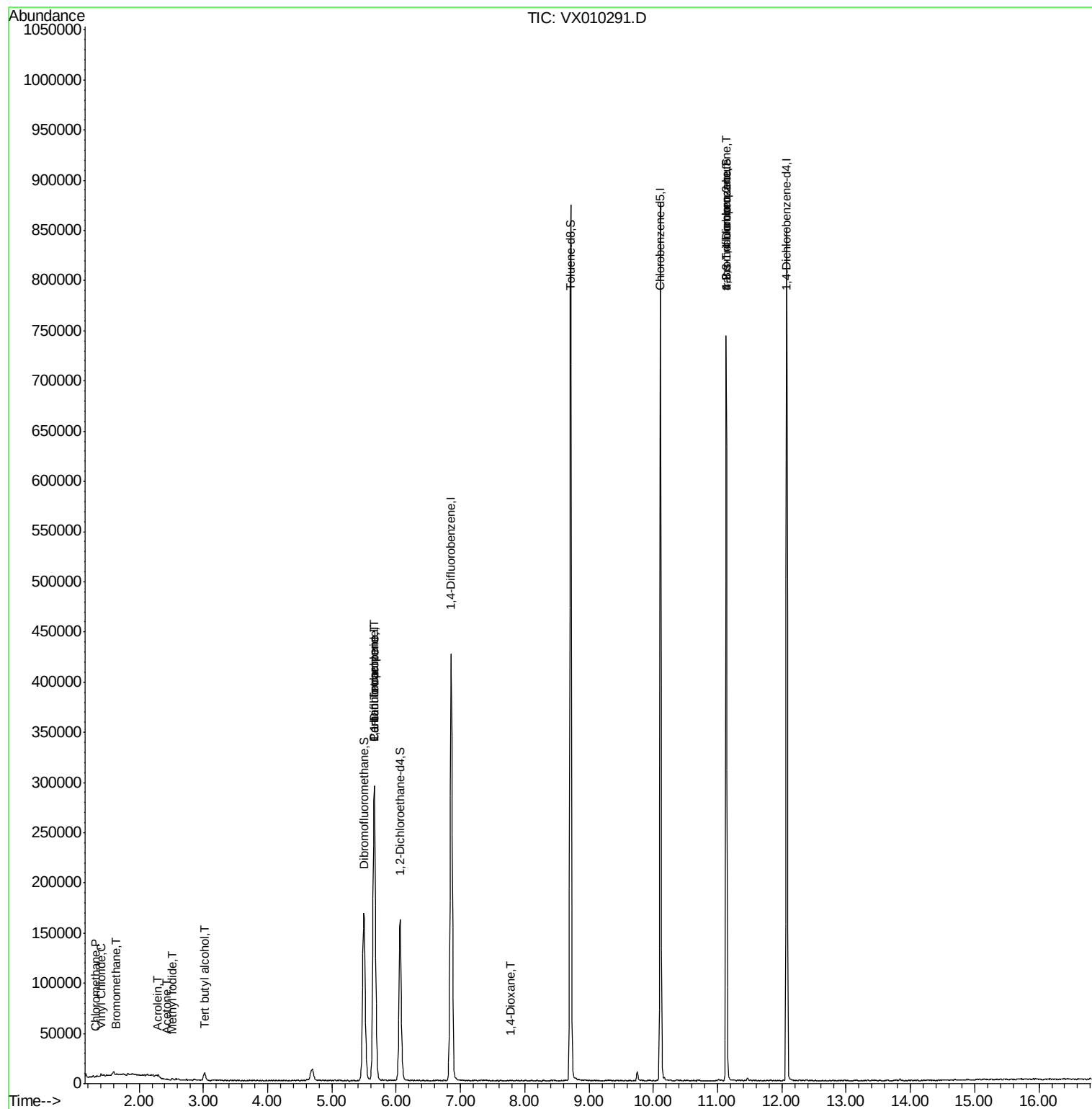
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	609	0.212	ug/l #	64
4) Vinyl Chloride	1.41	62	704	0.261	ug/l #	86
5) Bromomethane	1.65	94	517	0.508	ug/l	96
10) Methyl Iodide	2.52	142	870	0.203	ug/l	99
11) Tert butyl alcohol	3.02	59	4671	6.218	ug/l #	76
13) Acrolein	2.29	56	72	0.526	ug/l #	1
16) Acetone	2.44	43	812	0.563	ug/l #	55
36) 1,1-Dichloropropene	5.67	75	18772	4.857	ug/l #	53
38) Carbon Tetrachloride	5.67	117	27161	6.209	ug/l #	15
49) 1,4-Dioxane	7.79	88	39	0.435	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	86384	22.088	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	86384	48.802	ug/l #	10

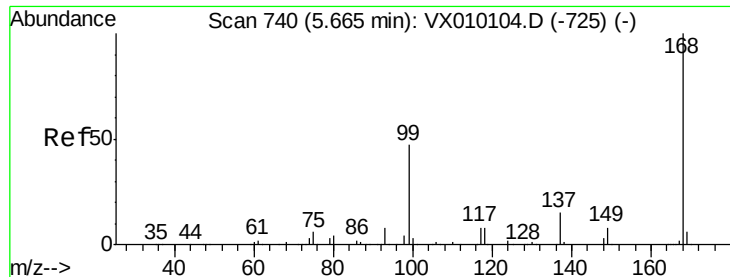
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010291.D

Acq: 14 Jun 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

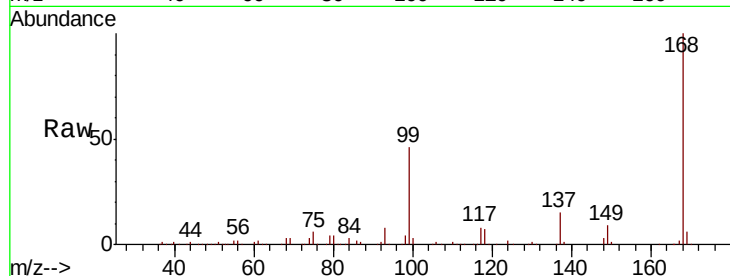
VX0614MBL01

Tgt Ion:168 Resp: 314155

Ion Ratio Lower Upper

168 100

99 46.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

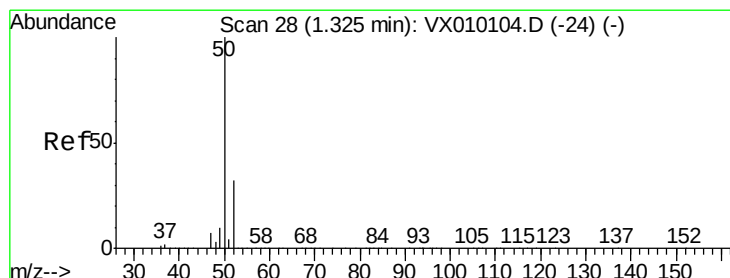
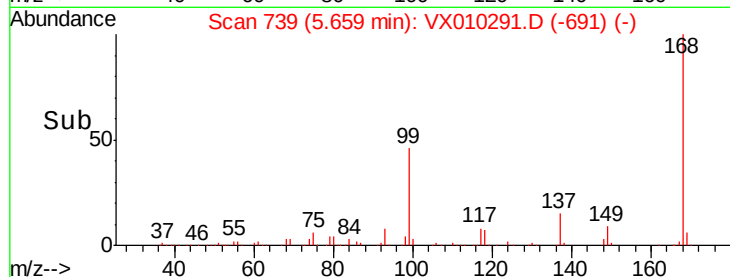
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010291.D

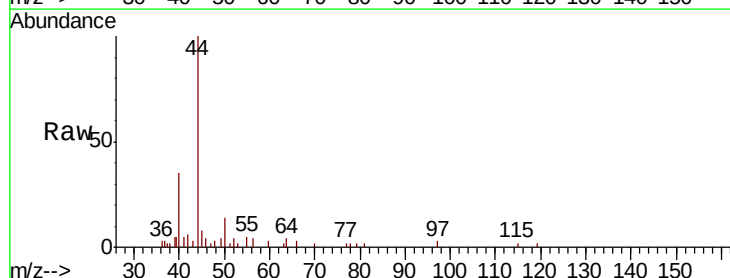
Acq: 14 Jun 2019 11:35

Tgt Ion: 50 Resp: 609

Ion Ratio Lower Upper

50 100

52 12.3 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

300

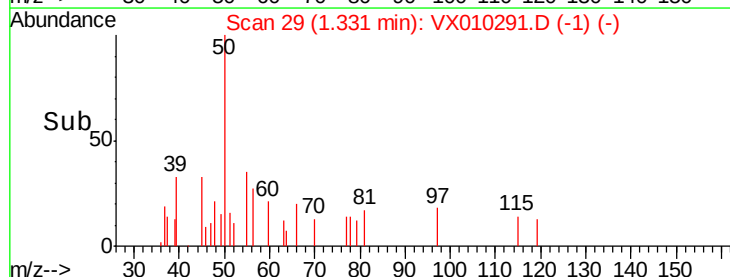
200

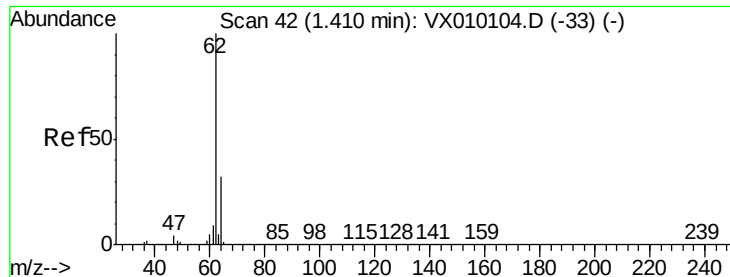
100

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 0.261 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010291.D

Acq: 14 Jun 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

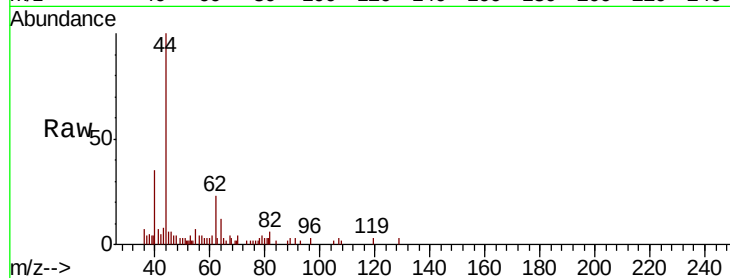
VX0614MBL01

Tgt Ion: 62 Resp: 704

Ion Ratio Lower Upper

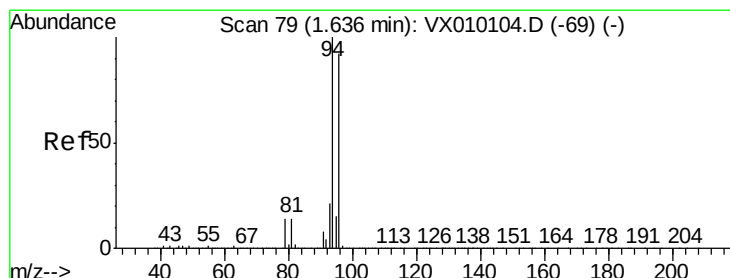
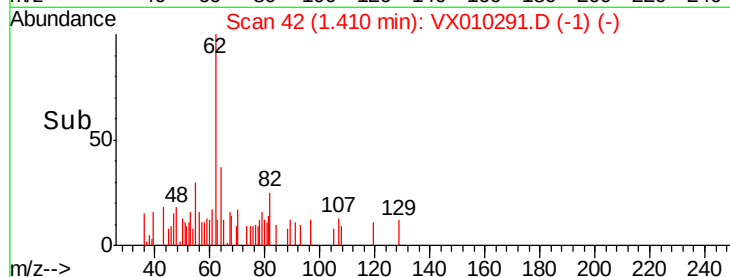
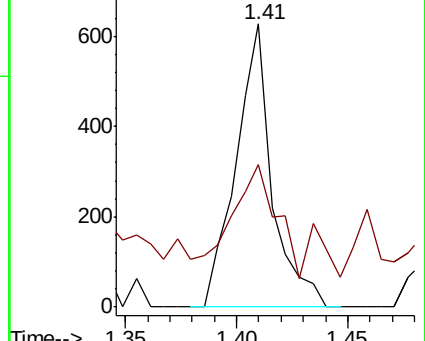
62 100

64 39.9 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.508 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010291.D

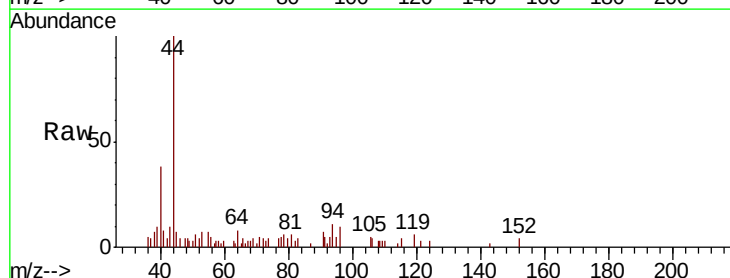
Acq: 14 Jun 2019 11:35

Tgt Ion: 94 Resp: 517

Ion Ratio Lower Upper

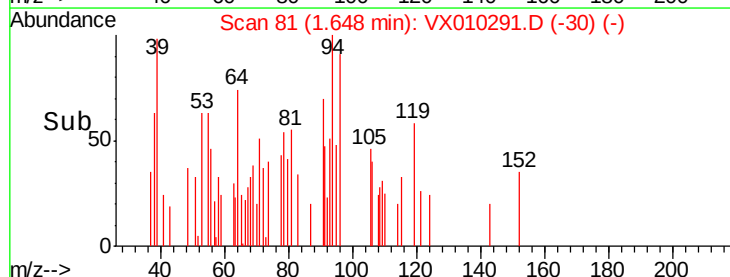
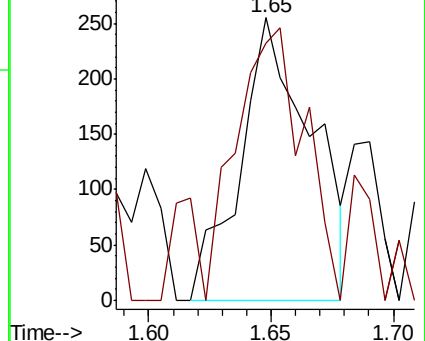
94 100

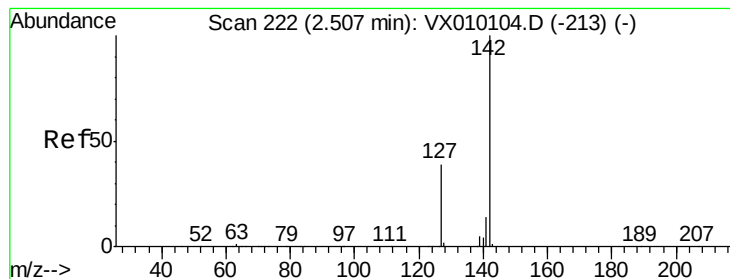
96 91.0 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 0.203 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010291.D

Acq: 14 Jun 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBL01

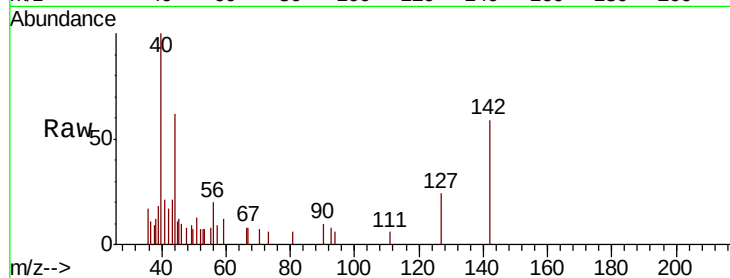
Tgt Ion:142 Resp: 870

Ion Ratio Lower Upper

142 100

127 40.8 33.0 49.4

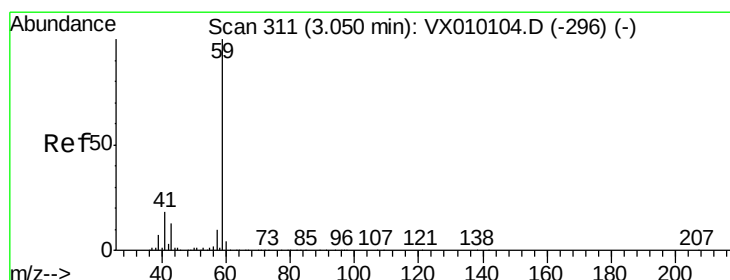
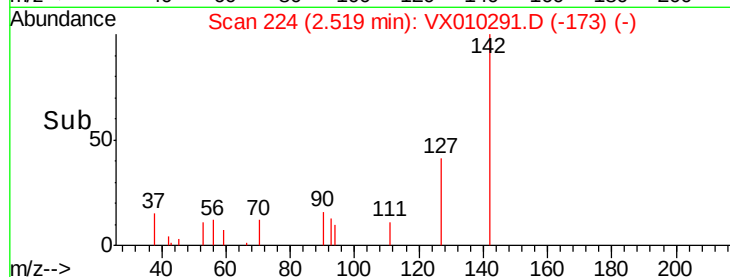
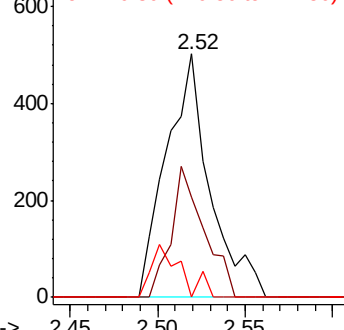
141 14.8 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 6.218 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010291.D

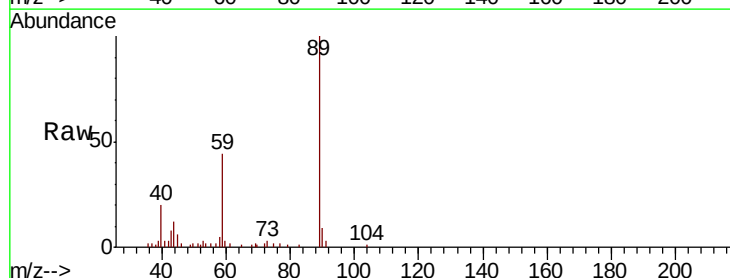
Acq: 14 Jun 2019 11:35

Tgt Ion: 59 Resp: 4671

Ion Ratio Lower Upper

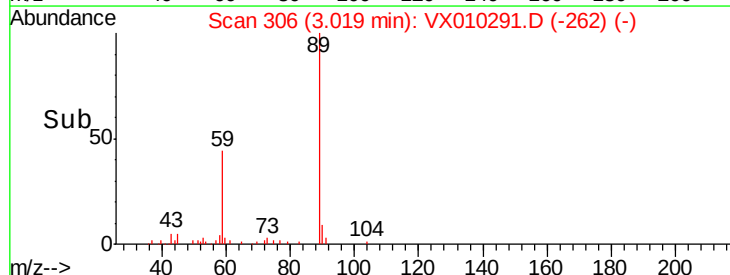
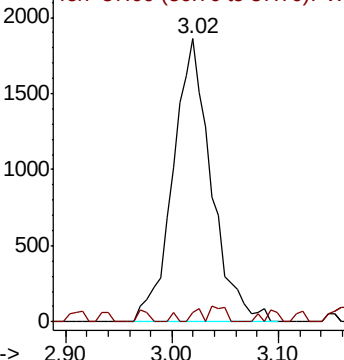
59 100

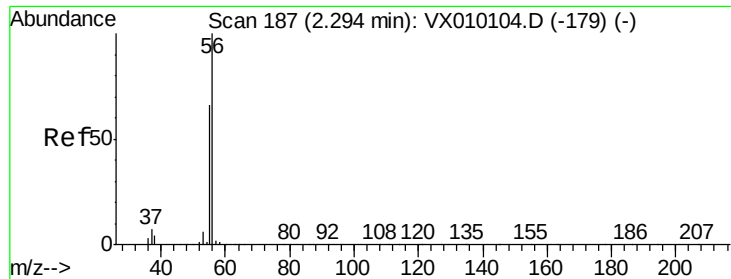
57 1.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.526 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010291.D

Acq: 14 Jun 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

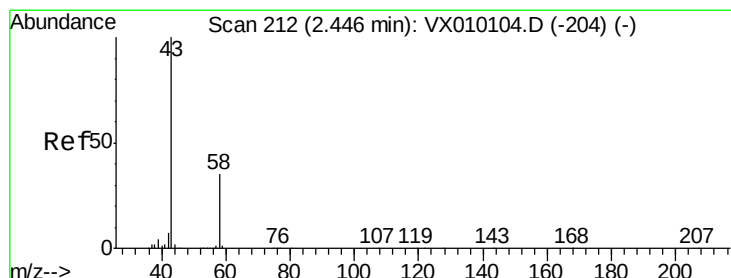
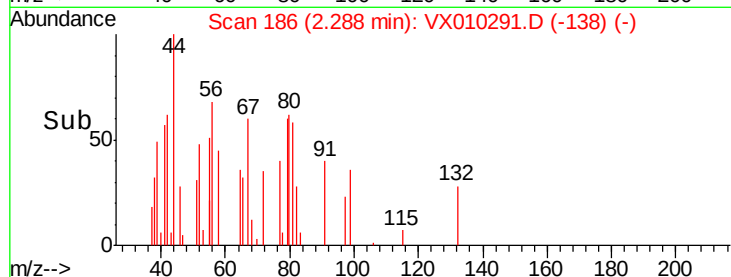
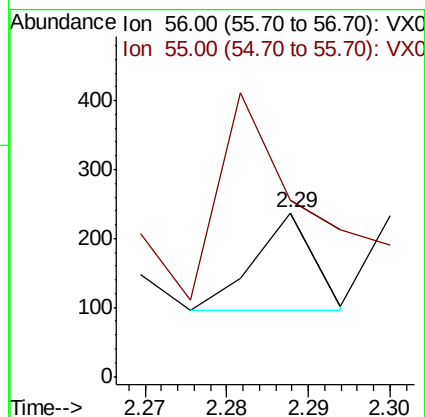
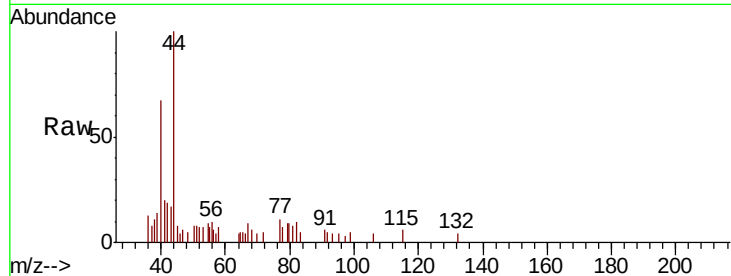
VX0614MBL01

Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 418.1 57.0 85.4#



#16

Acetone

Concen: 0.563 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010291.D

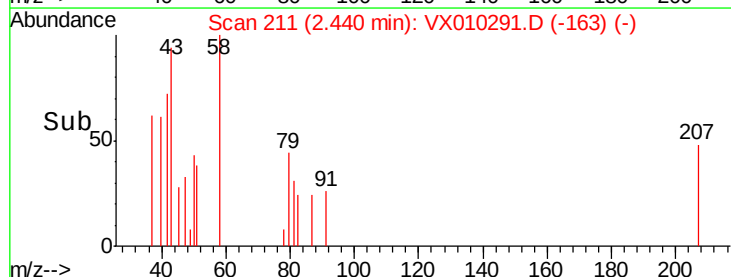
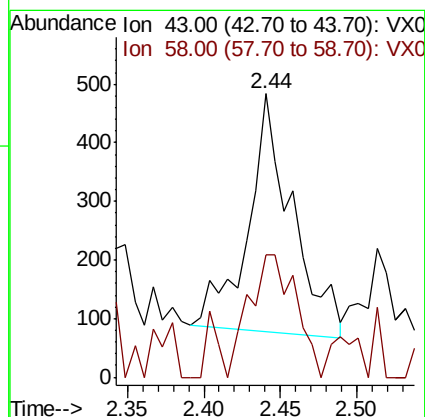
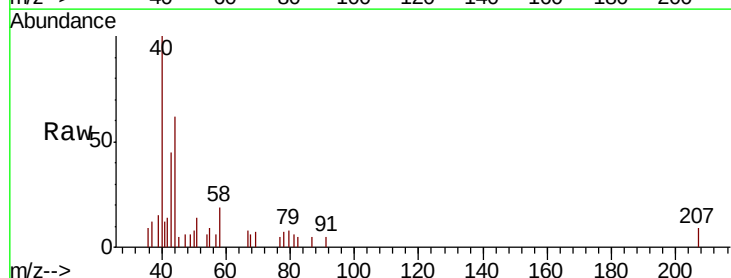
Acq: 14 Jun 2019 11:35

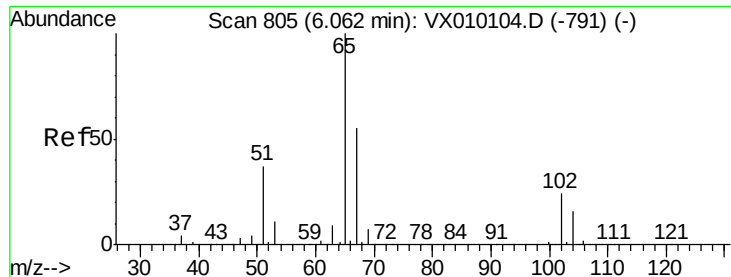
Tgt Ion: 43 Resp: 812

Ion Ratio Lower Upper

43 100

58 53.0 23.2 34.8#

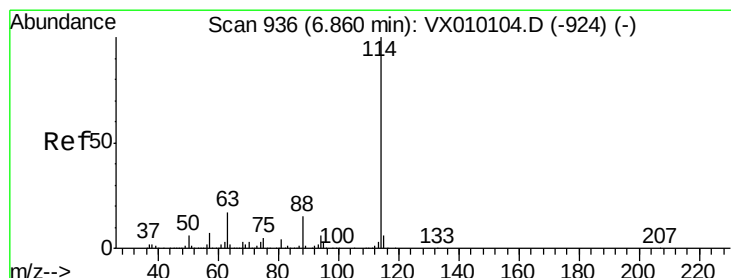
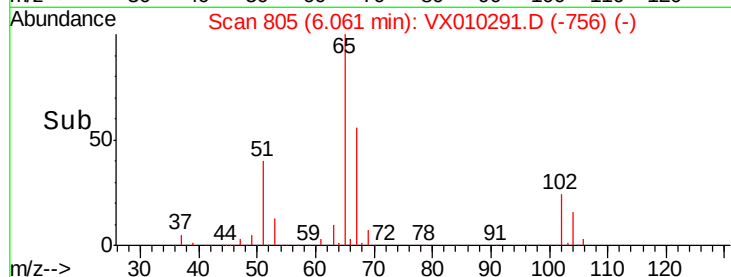
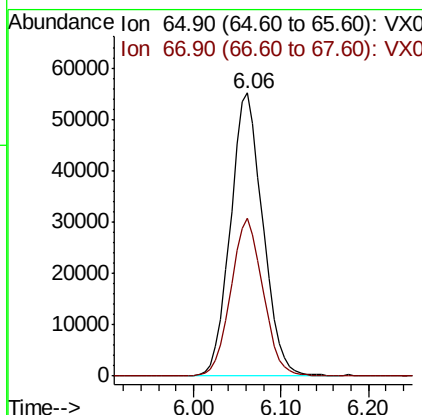
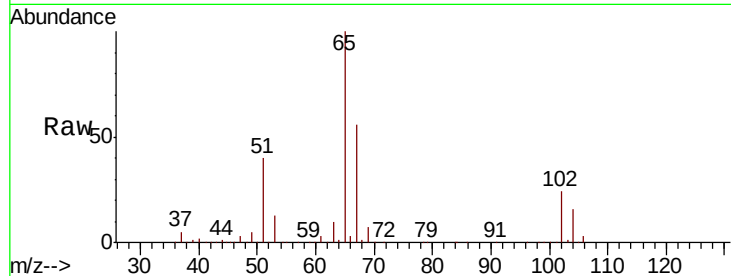




#33
 1,2-Dichloroethane-d4
 Concen: 46.294 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010291.D
 Acq: 14 Jun 2019 11:35

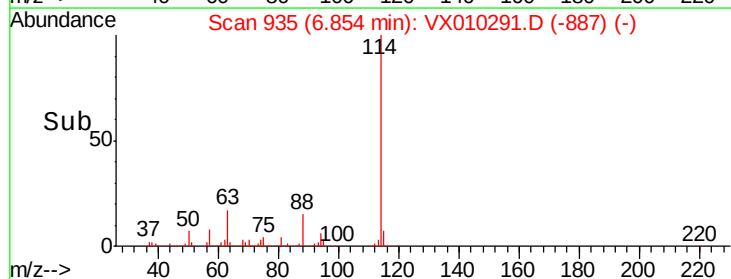
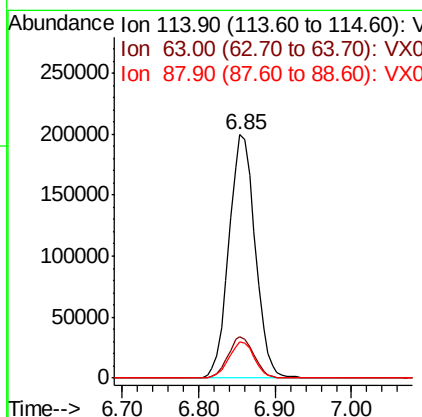
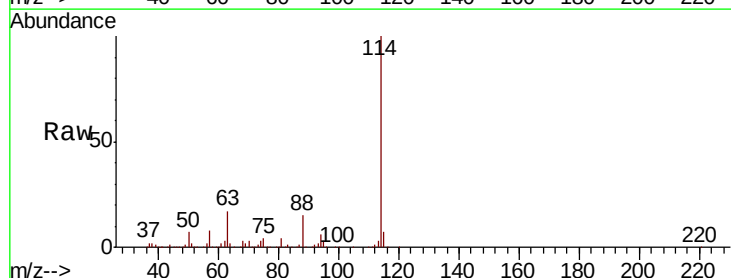
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614MBL01

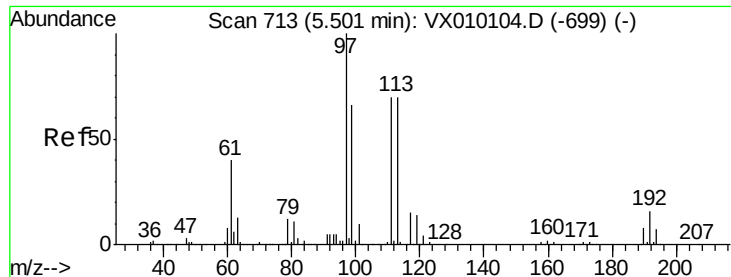
Tgt Ion: 65 Resp: 141961
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010291.D
 Acq: 14 Jun 2019 11:35

Tgt Ion: 114 Resp: 473710
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 47.4
 88 14.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.309 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010291.D

Acq: 14 Jun 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBL01

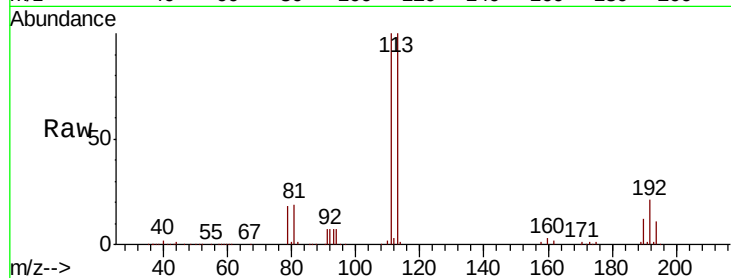
Tgt Ion:113 Resp: 144080

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

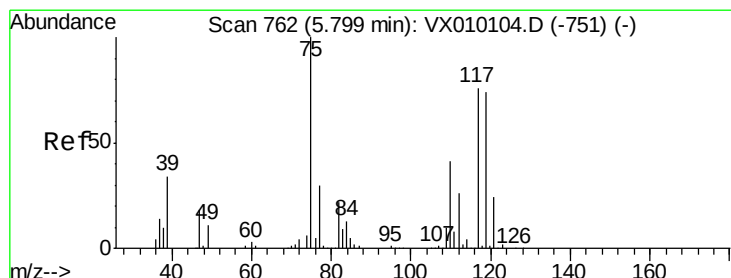
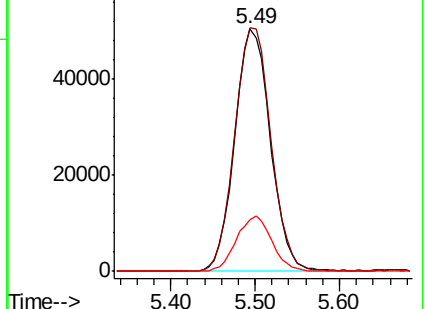
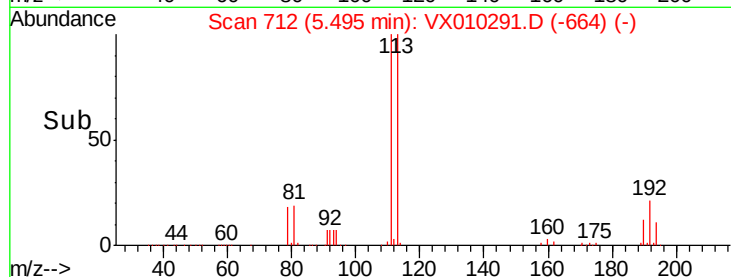
192 22.6 17.1 25.7



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: 4.857 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010291.D

Acq: 14 Jun 2019 11:35

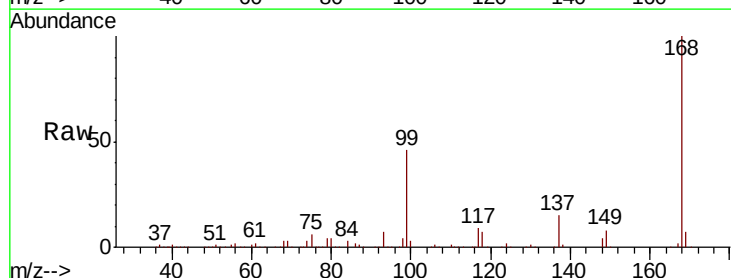
Tgt Ion: 75 Resp: 18772

Ion Ratio Lower Upper

75 100

110 11.4 16.7 50.1#

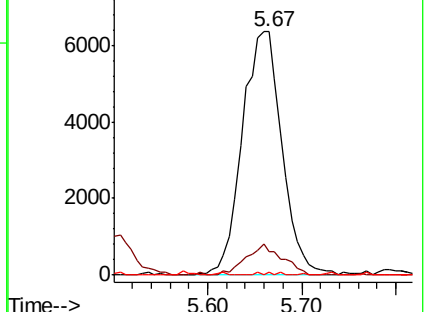
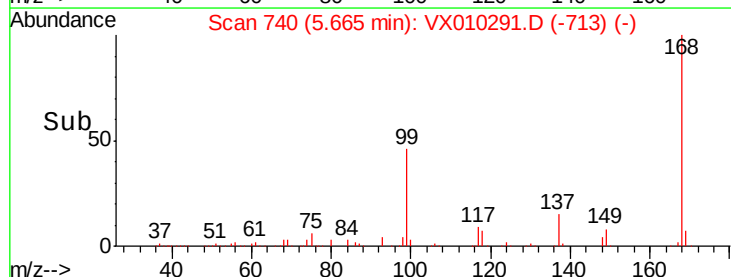
77 0.2 25.0 37.4#

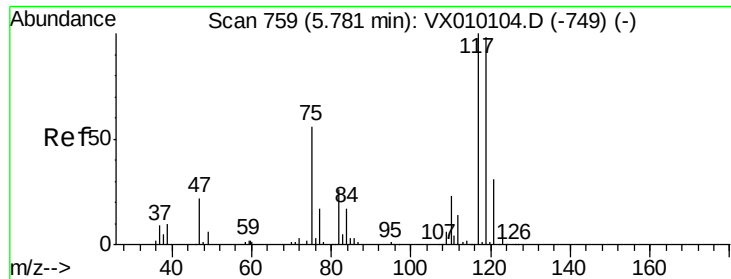


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

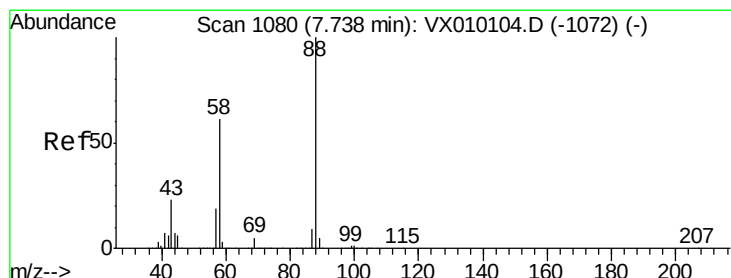
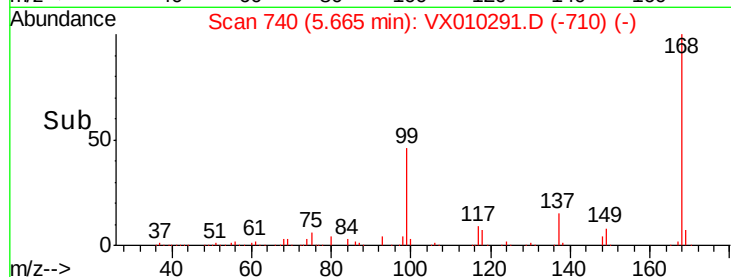
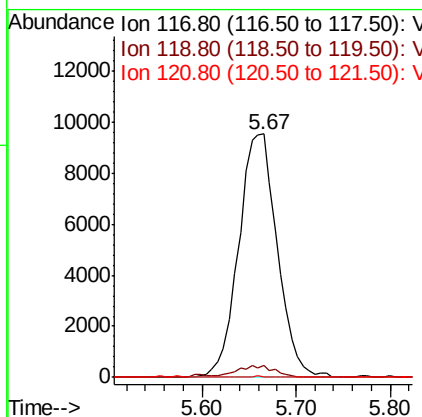
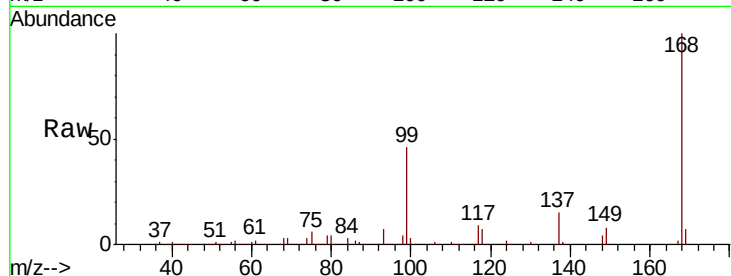




#38
Carbon Tetrachloride
Concen: 6.209 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010291.D
Acq: 14 Jun 2019 11:35

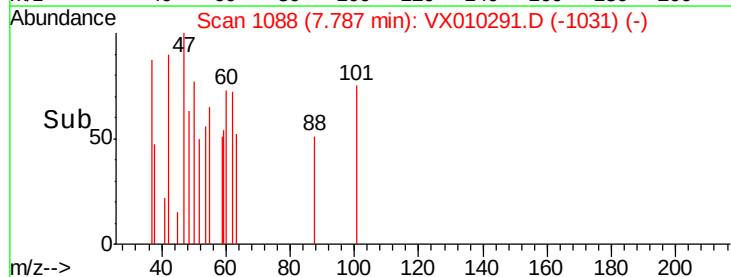
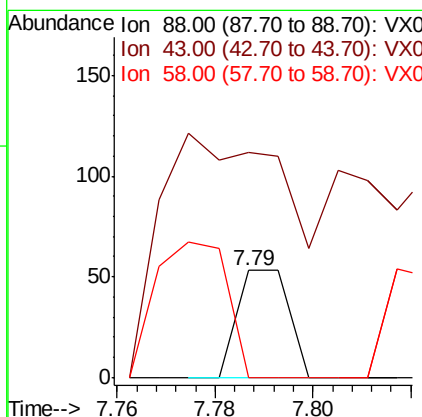
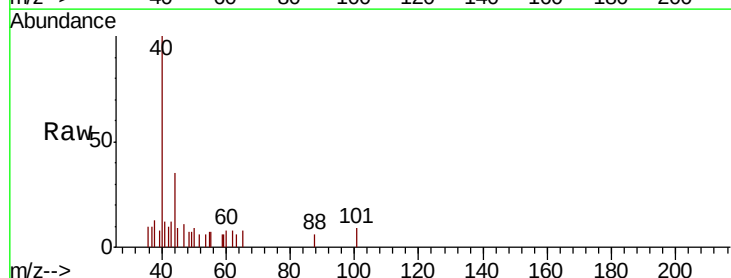
Instrument :
MSVOA_X
ClientSampled :
VX0614MBL01

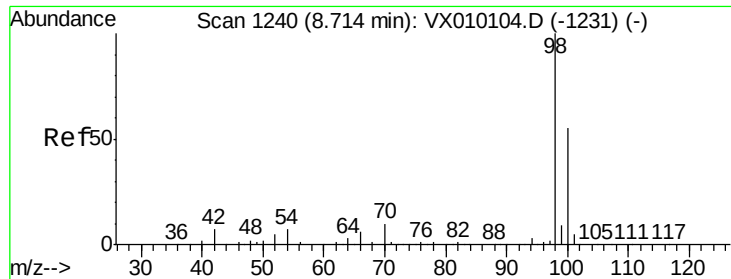
Tgt Ion:117 Resp: 27161
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 25.4 38.0#



#49
1,4-Dioxane
Concen: 0.435 ug/l
RT: 7.79 min Scan# 1088
Delta R.T. 0.05 min
Lab File: VX010291.D
Acq: 14 Jun 2019 11:35

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 566.7 30.2 45.4#
58 174.4 64.0 96.0#





#50

Toluene-d8

Concen: 50.706 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010291.D

Acq: 14 Jun 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

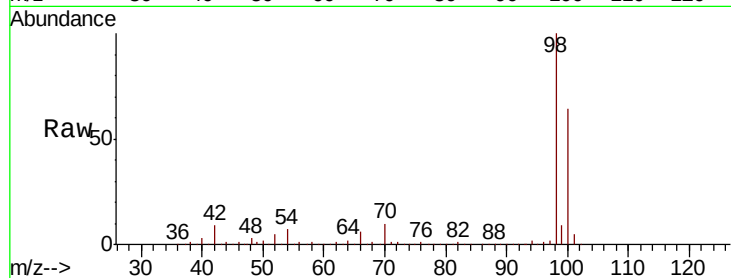
VX0614MBL01

Tgt Ion: 98 Resp: 555284

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

8.71

400000

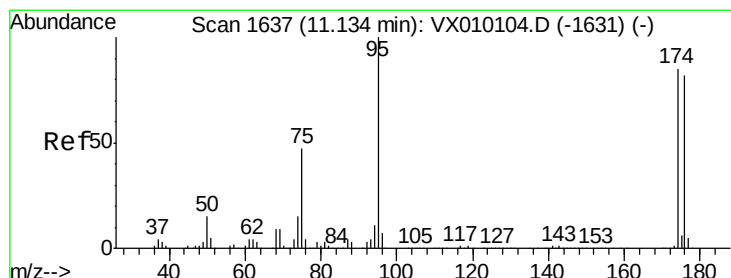
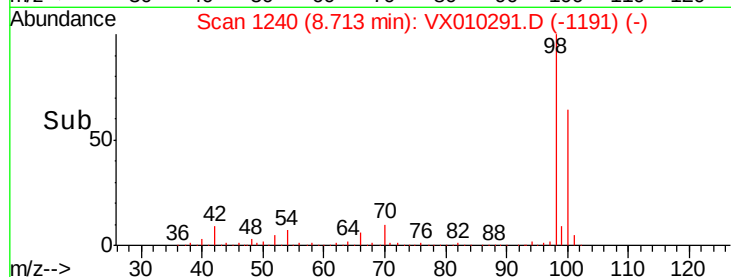
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.801 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010291.D

Acq: 14 Jun 2019 11:35

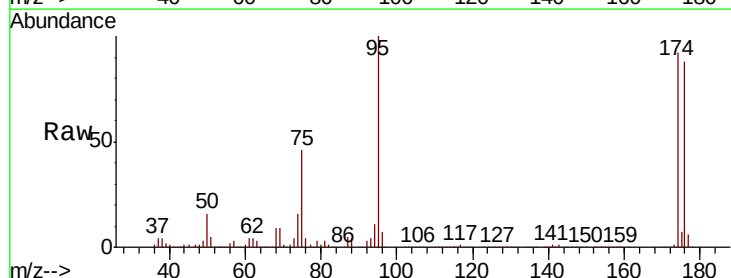
Tgt Ion: 95 Resp: 187317

Ion Ratio Lower Upper

95 100

174 93.3 0.0 160.4

176 91.3 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

11.13

200000

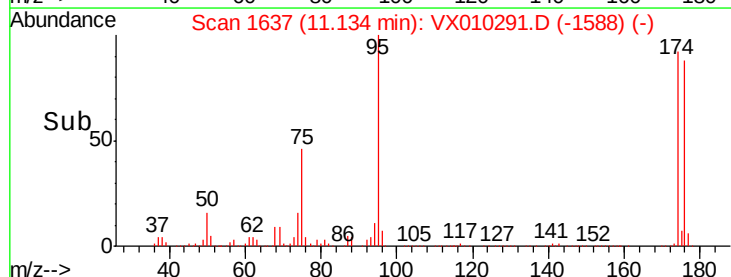
150000

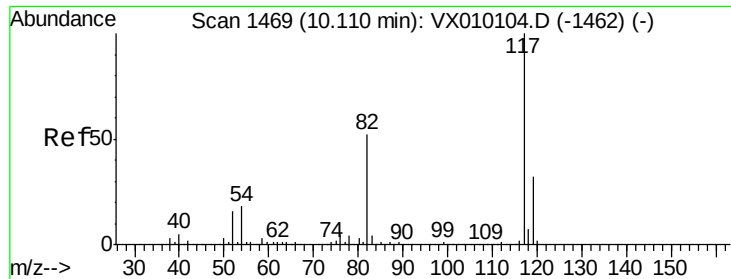
100000

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: VX010291.D

Acq: 14 Jun 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBL01

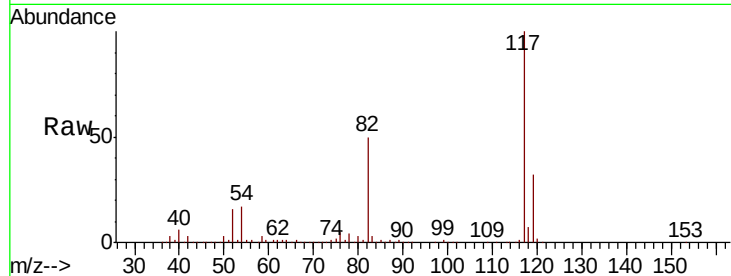
Tgt Ion:117 Resp: 421597

Ion Ratio Lower Upper

117 100

82 49.9 49.2 73.8

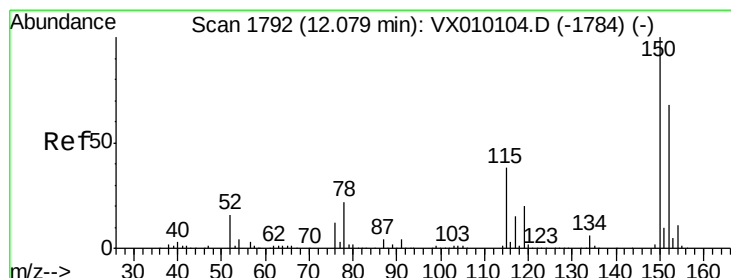
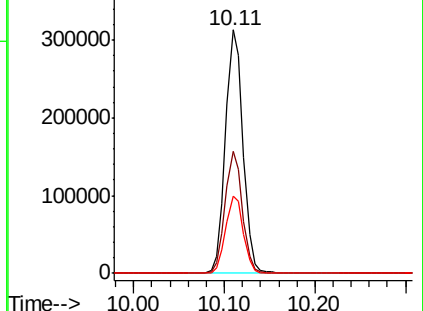
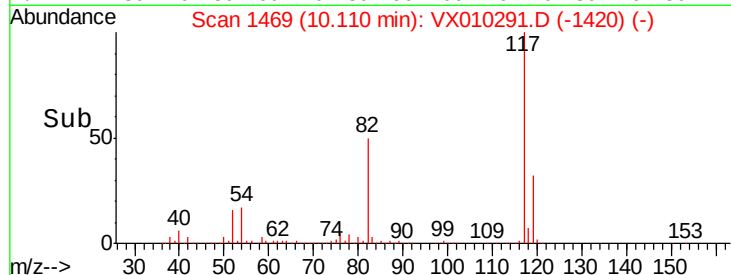
119 32.0 25.2 37.8



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: VX010291.D

Acq: 14 Jun 2019 11:35

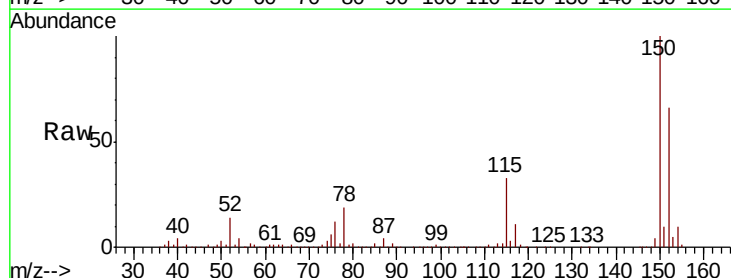
Tgt Ion:152 Resp: 195527

Ion Ratio Lower Upper

152 100

115 53.9 41.4 124.2

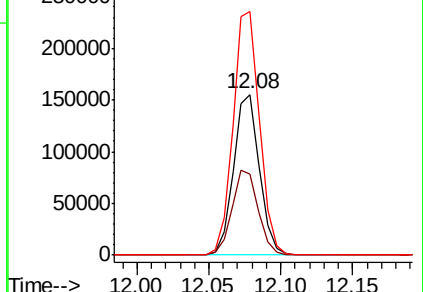
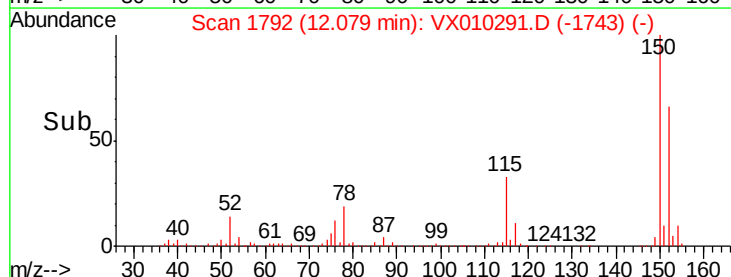
150 155.3 0.0 345.2

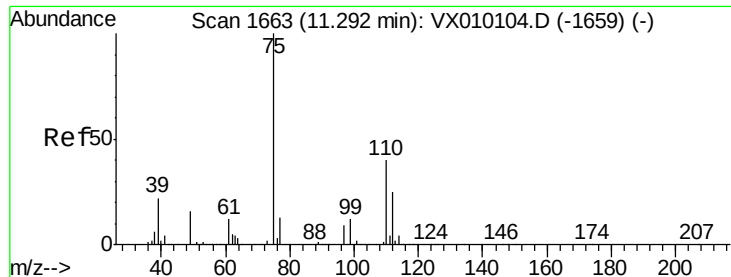


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.088 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010291.D

Acq: 14 Jun 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

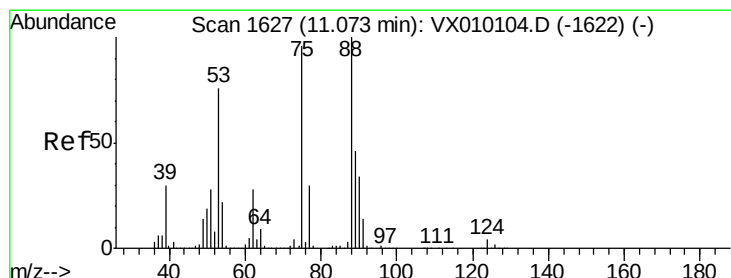
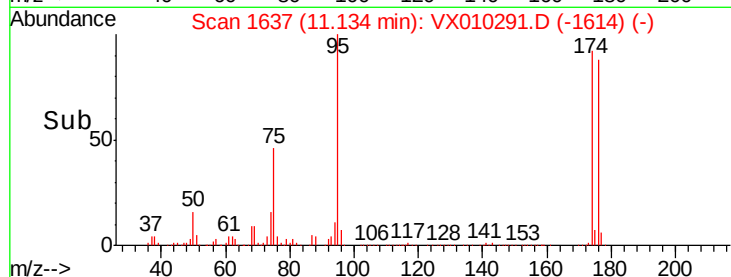
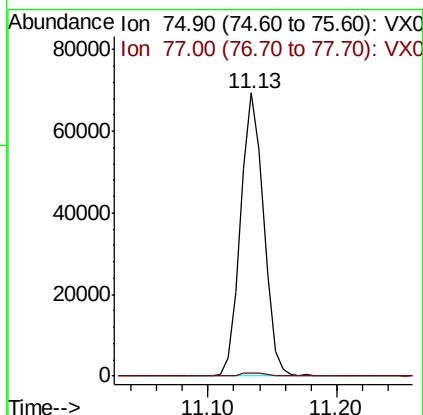
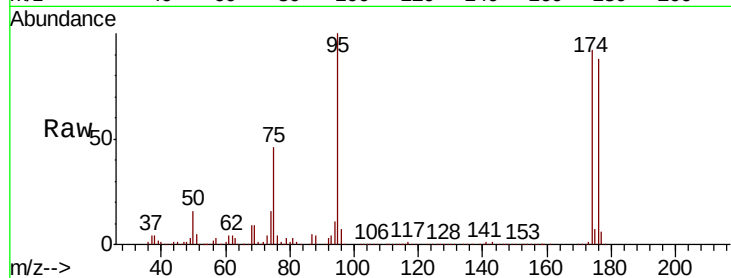
VX0614MBL01

Tgt Ion: 75 Resp: 86384

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.802 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010291.D

Acq: 14 Jun 2019 11:35

Tgt Ion: 75 Resp: 86384

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.1 34.2 51.4#

