

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061719\
 Data File : VX010317.D
 Acq On : 17 Jun 2019 12:16
 Operator : JC/SP
 Sample : VX0617WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 01:50:53 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	340833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	512895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	460401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213130	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	154830	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
35) Dibromofluoromethane	5.50	113	158197	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
50) Toluene-d8	8.71	98	606681	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.13	95	202172	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	

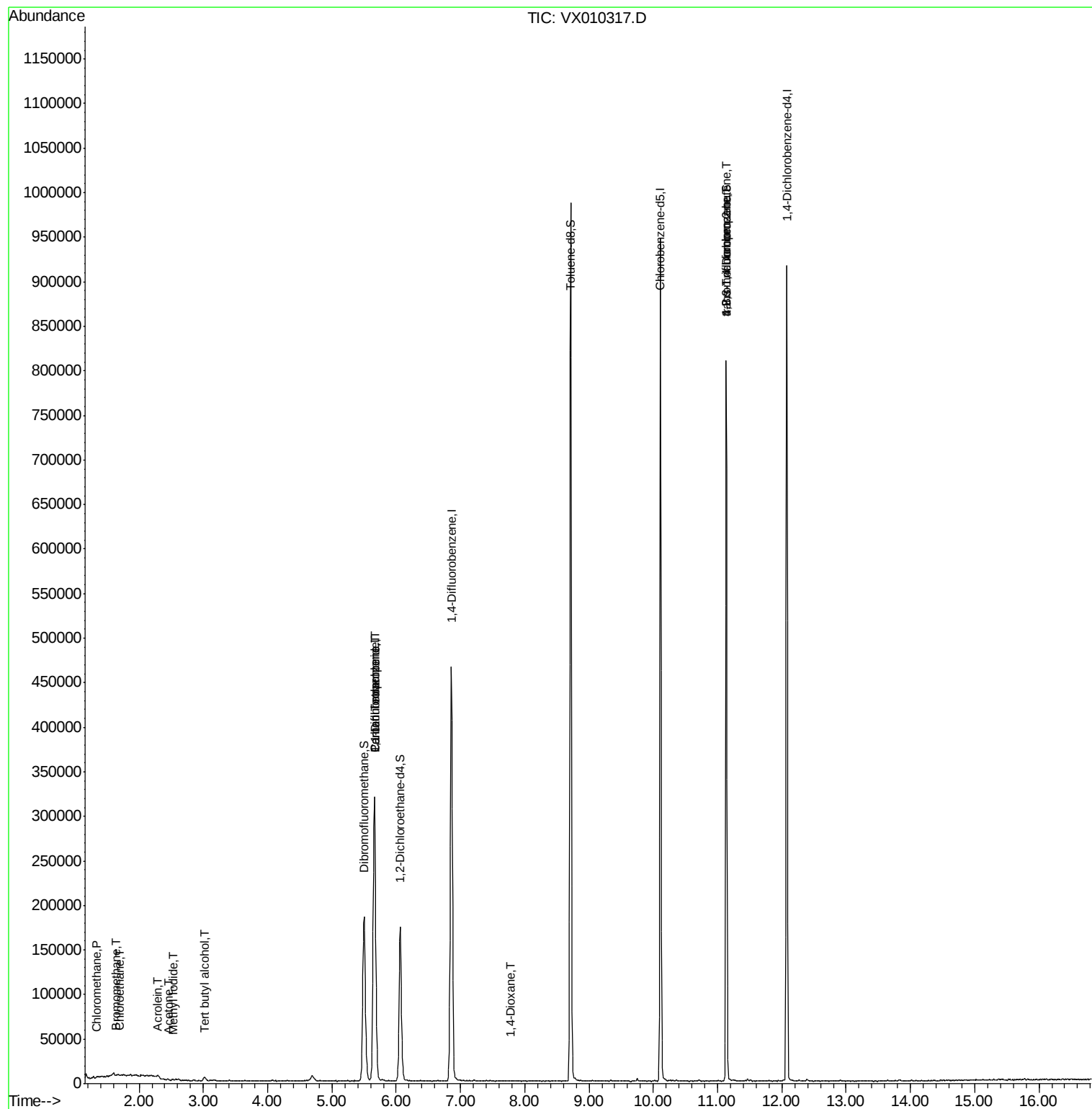
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	630	0.202	ug/l #	82
5) Bromomethane	1.65	94	626	0.567	ug/l	86
6) Chloroethane	1.70	64	852	0.577	ug/l #	43
10) Methyl Iodide	2.52	142	1248	0.269	ug/l #	93
11) Tert butyl alcohol	3.02	59	2518	3.090	ug/l	98
13) Acrolein	2.29	56	230	1.548	ug/l #	1
16) Acetone	2.45	43	1105	0.706	ug/l	95
36) 1,1-Dichloropropene	5.67	75	19802	4.732	ug/l #	53
38) Carbon Tetrachloride	5.66	117	29506	6.230	ug/l #	15
49) 1,4-Dioxane	7.78	88	25	0.258	ug/l #	24
76) 1,2,3-Trichloropropane	11.13	75	93854	22.016	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	93854	48.643	ug/l #	10

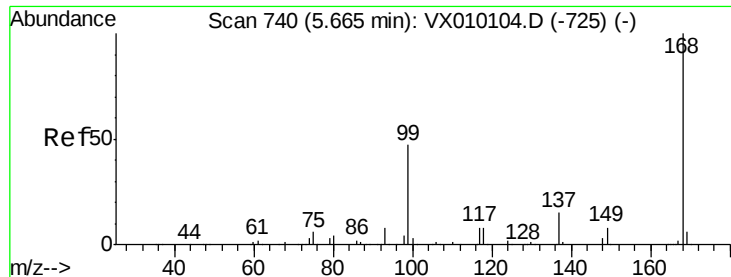
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

Instrument :

MSVOA_X

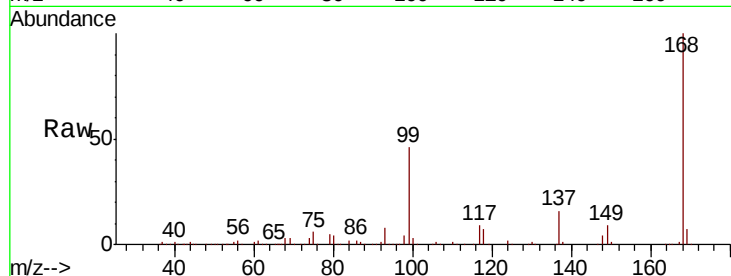
ClientSampleId :

Tot Ion:168 Resp: 340833

Ion Ratio Lower Upper

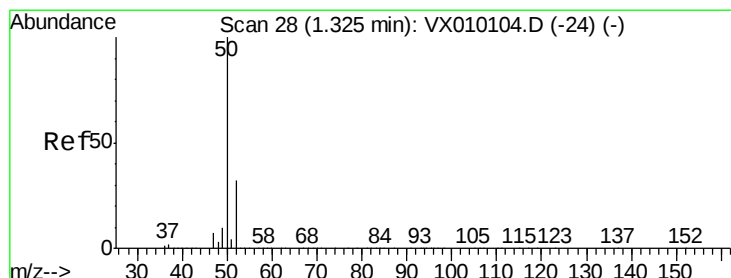
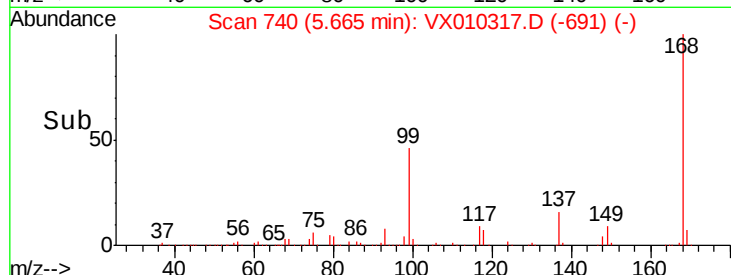
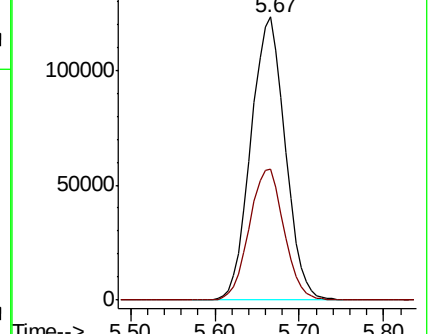
168 100

99 46.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010317.D

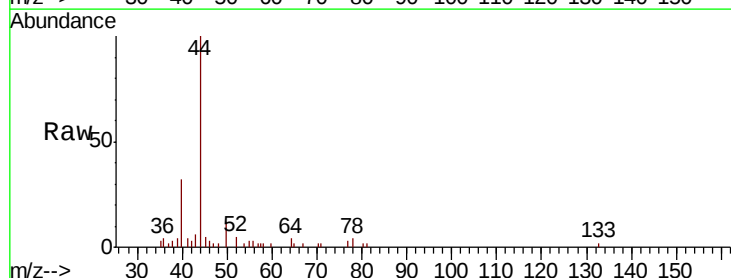
Acq: 17 Jun 2019 12:16

Tgt Ion: 50 Resp: 630

Ion Ratio Lower Upper

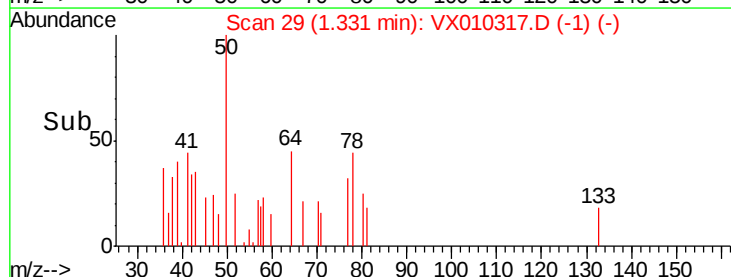
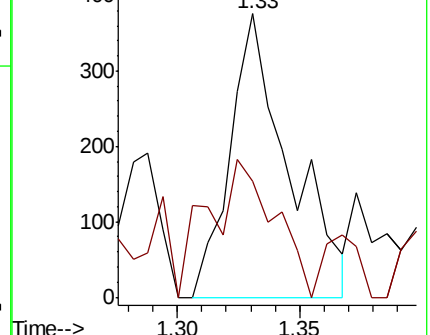
50 100

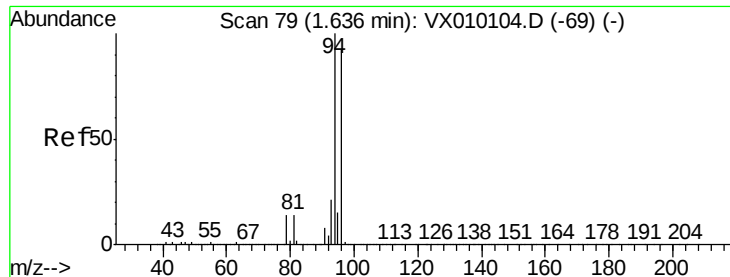
52 22.3 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.567 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

Instrument :

MSVOA_X

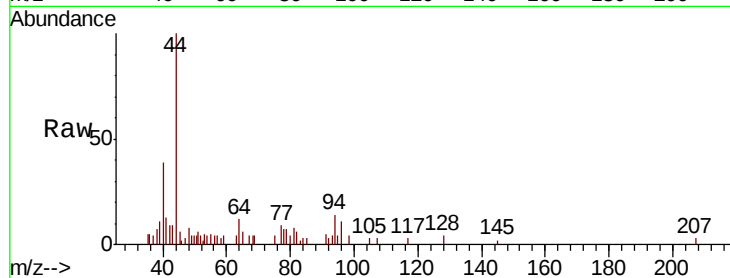
ClientSampled :

Tot Ion: 94 Resp: 626

Ion Ratio Lower Upper

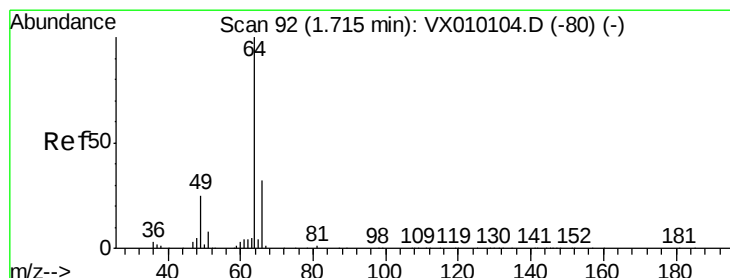
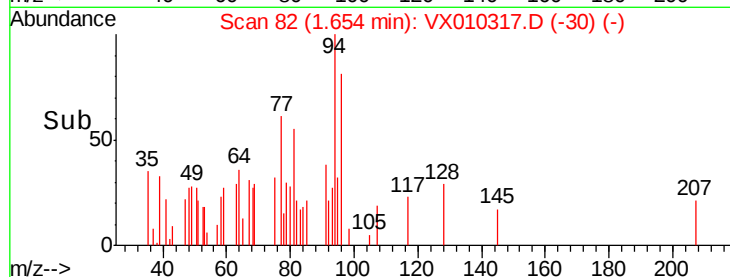
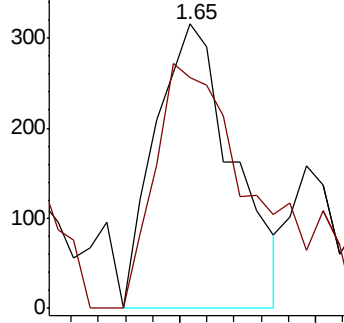
94 100

96 81.3 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: 0.577 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010317.D

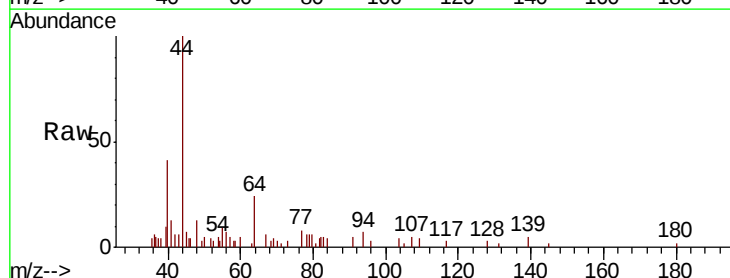
Acq: 17 Jun 2019 12:16

Tgt Ion: 64 Resp: 852

Ion Ratio Lower Upper

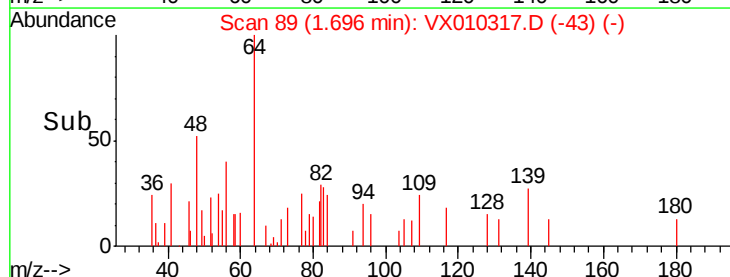
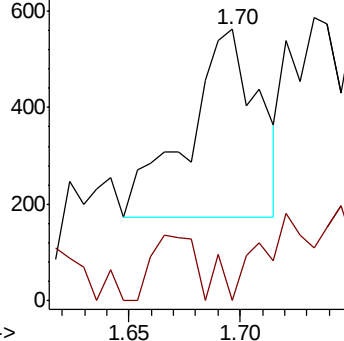
64 100

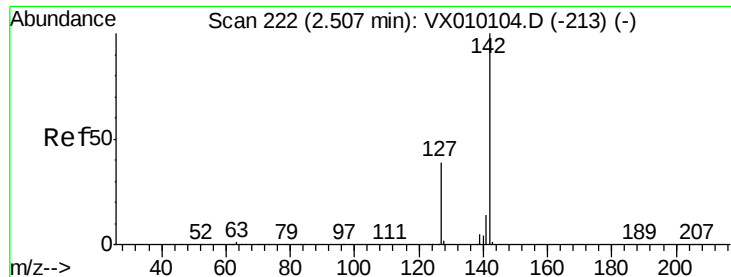
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

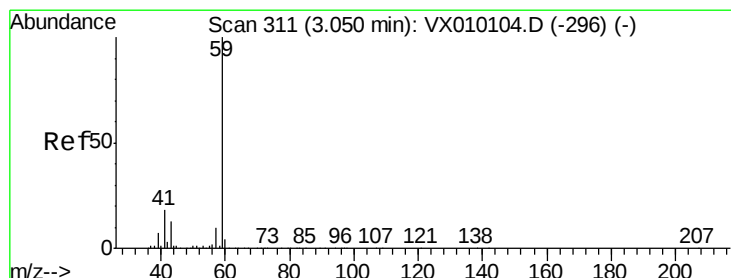
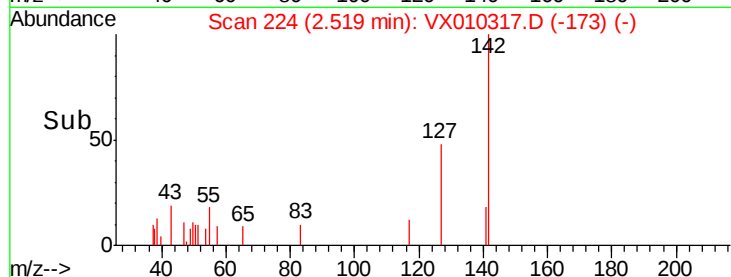
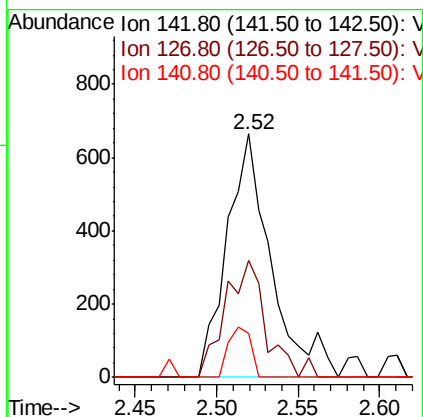
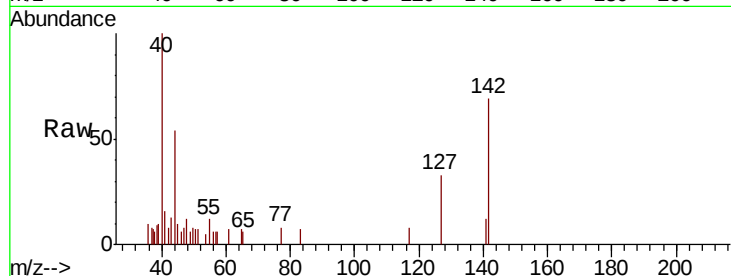




#10
Methvl Iodide
Concen: 0.269 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010317.D
Acq: 17 Jun 2019 12:16

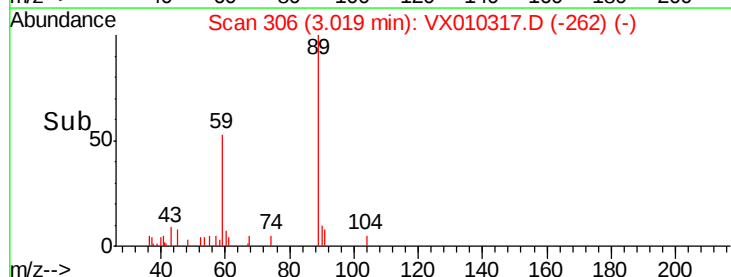
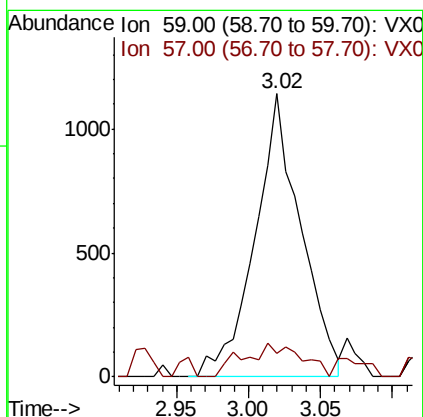
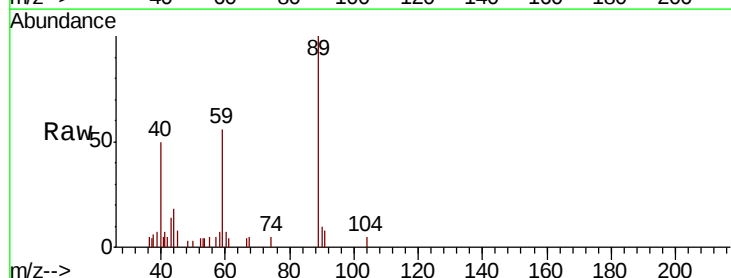
Instrument :
MSVOA_X
ClientSampleId :

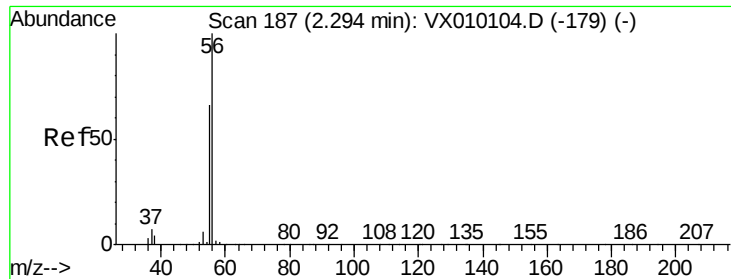
Tot Ion:142 Resp: 1248
Ion Ratio Lower Upper
142 100
127 45.0 33.0 49.4
141 10.3 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.090 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010317.D
Acq: 17 Jun 2019 12:16

Tgt Ion: 59 Resp: 2518
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.2





#13

Acrolein

Concen: 1.548 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

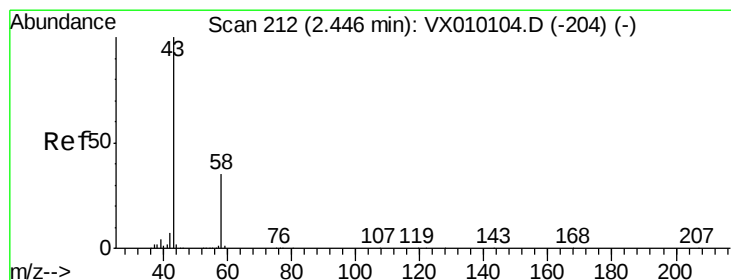
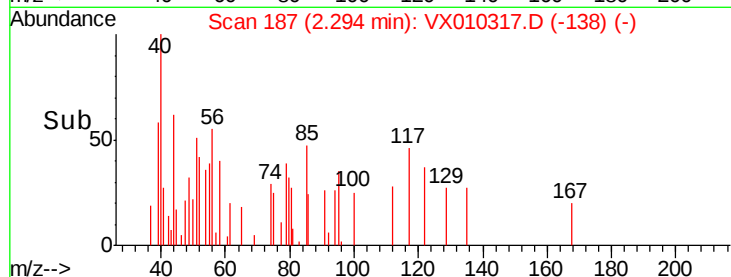
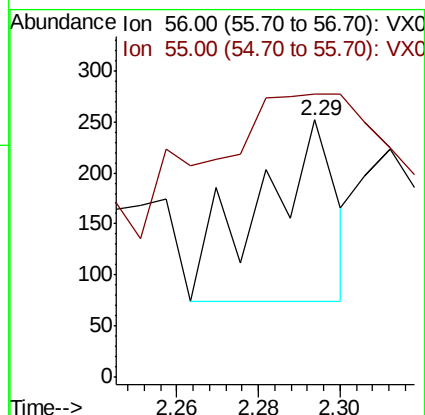
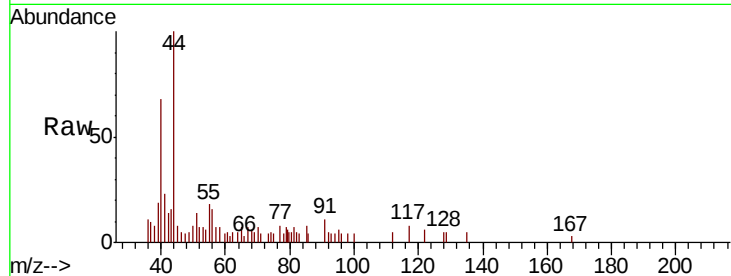
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 230

Ion Ratio Lower Upper

56 100

55 300.4 57.0 85.4#



#16

Acetone

Concen: 0.706 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010317.D

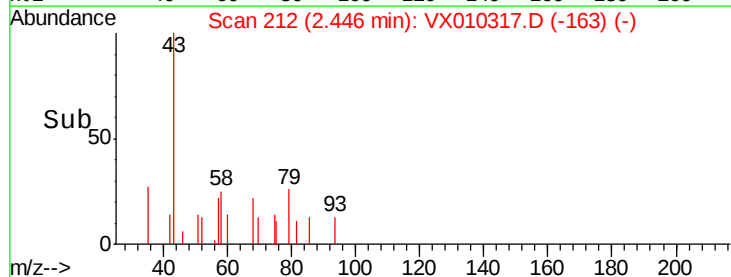
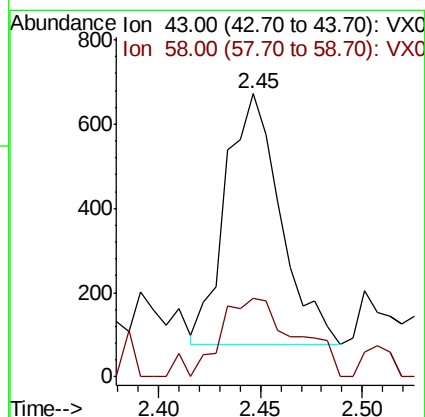
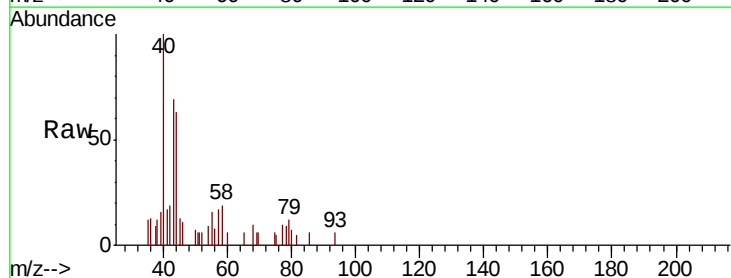
Acq: 17 Jun 2019 12:16

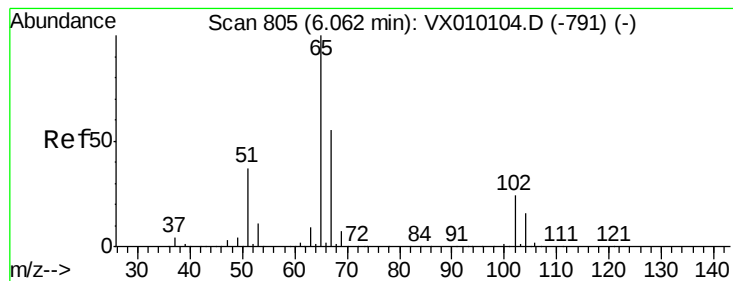
Tgt Ion: 43 Resp: 1105

Ion Ratio Lower Upper

43 100

58 31.6 23.2 34.8





#33

1,2-Dichloroethane-d4

Concen: 46.539 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

Instrument :

MSVOA_X

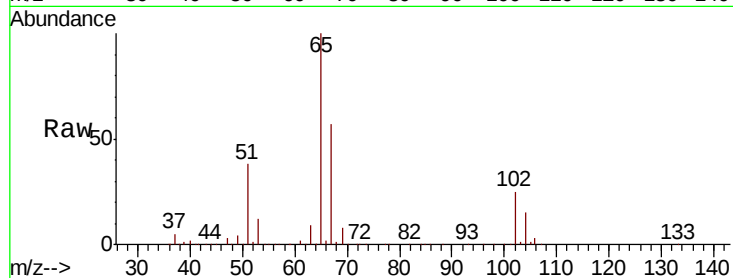
ClientSampleId :

Tot Ion: 65 Resp: 154830

Ion Ratio Lower Upper

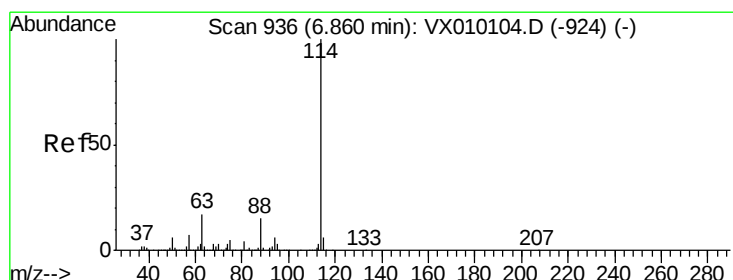
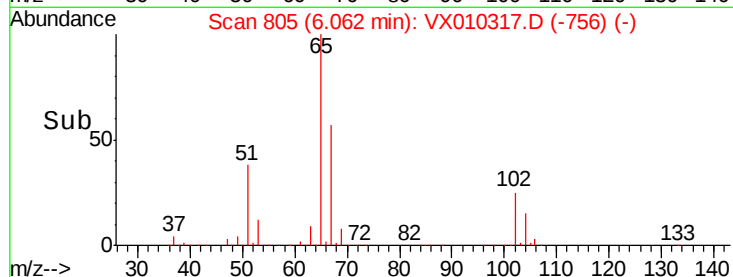
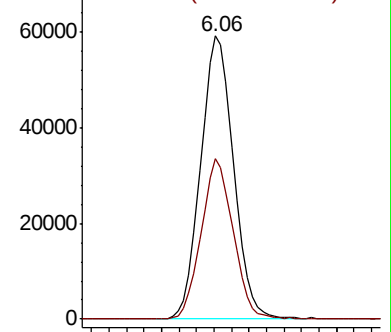
65 100

67 55.0 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: VX010317.D

Acq: 17 Jun 2019 12:16

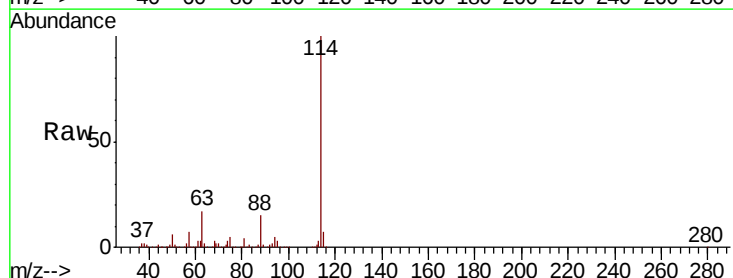
Tgt Ion: 114 Resp: 512895

Ion Ratio Lower Upper

114 100

63 16.6 0.0 47.4

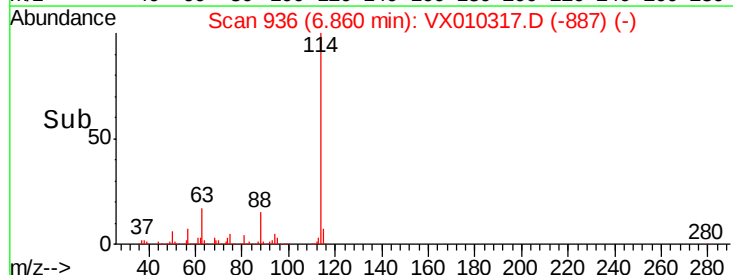
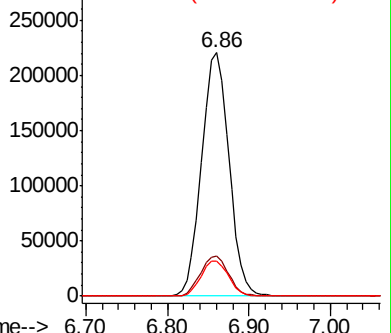
88 14.6 0.0 33.0

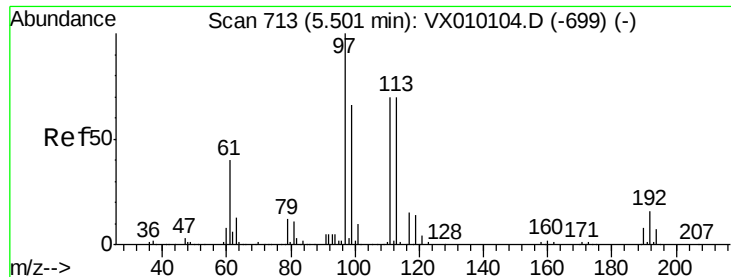


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.004 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

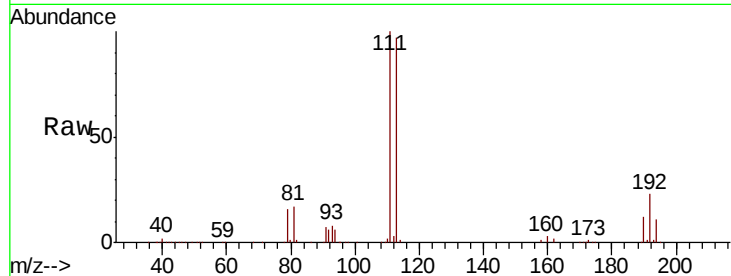
Tot Ion:113 Resp: 158197

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

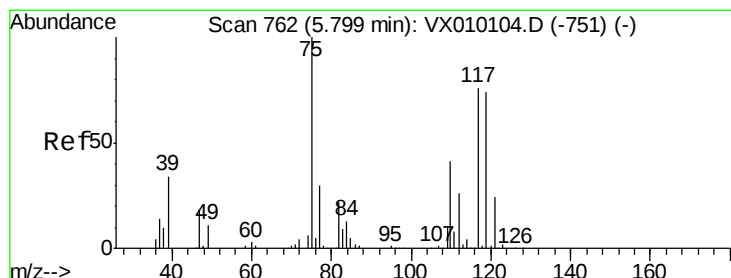
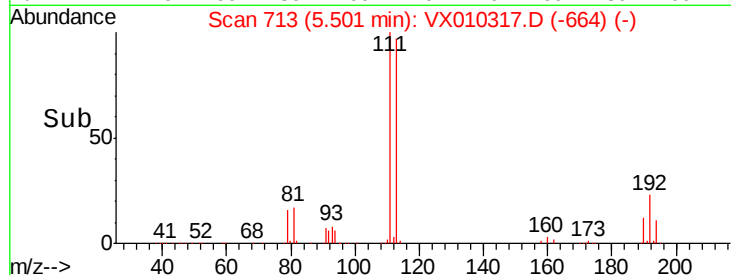
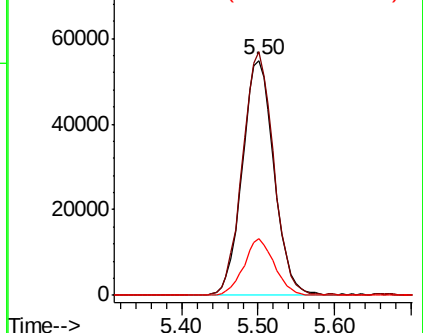
192 23.2 17.1 25.7



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: 4.732 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

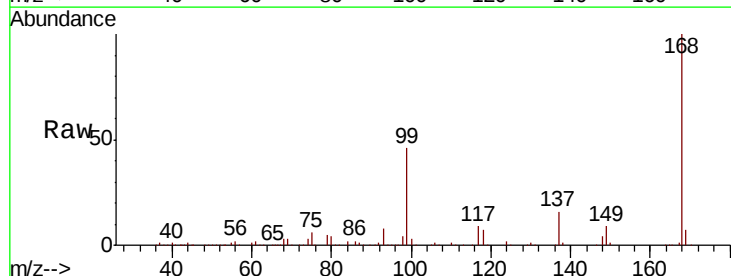
Tgt Ion: 75 Resp: 19802

Ion Ratio Lower Upper

75 100

110 12.2 16.7 50.1#

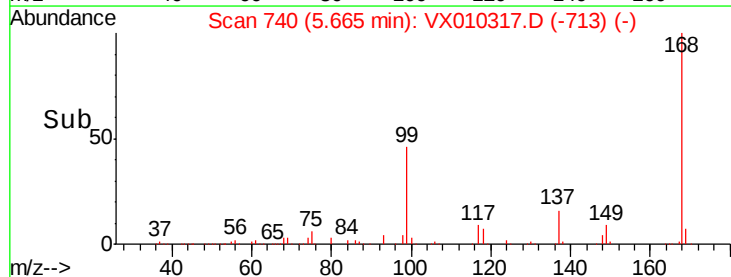
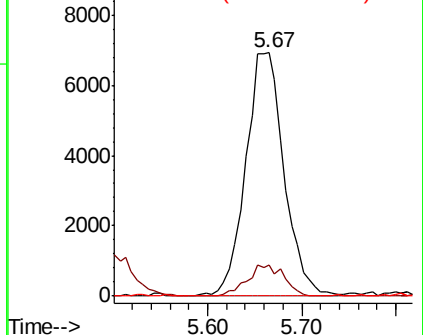
77 0.0 25.0 37.4#

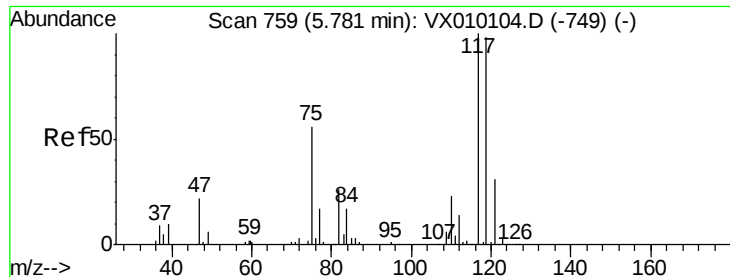


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.230 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

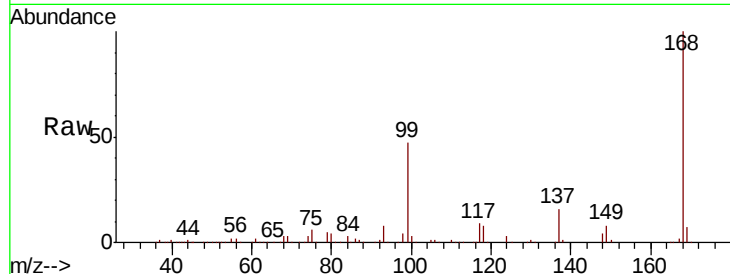
Tot Ion:117 Resp: 29506

Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

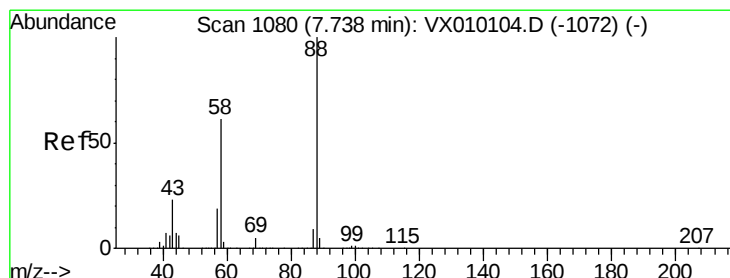
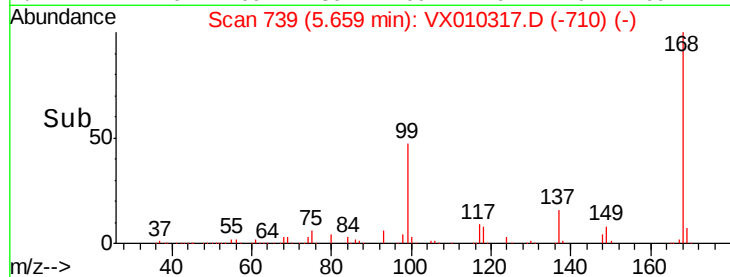
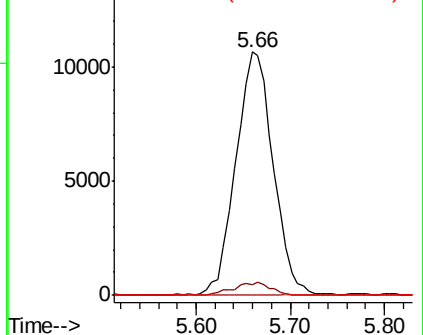
121 0.0 25.4 38.0#



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: 0.258 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.04 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

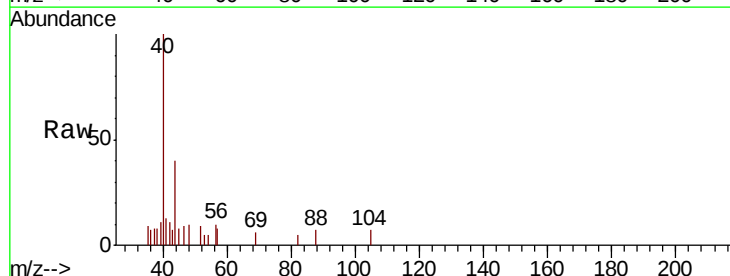
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.4#

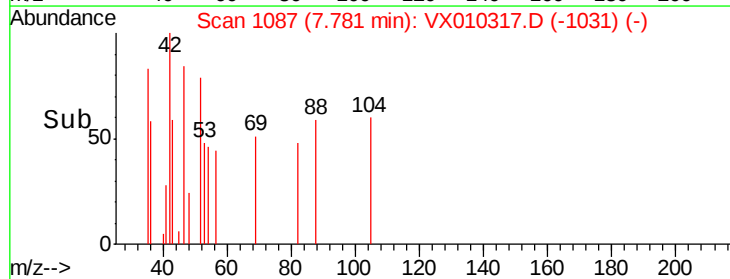
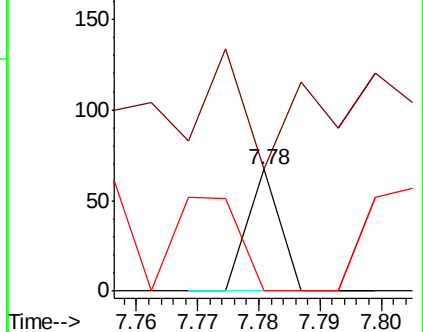
58 152.0 64.0 96.0#

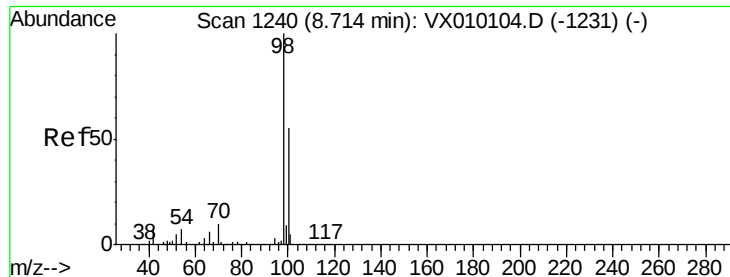


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.167 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

Instrument :

MSVOA_X

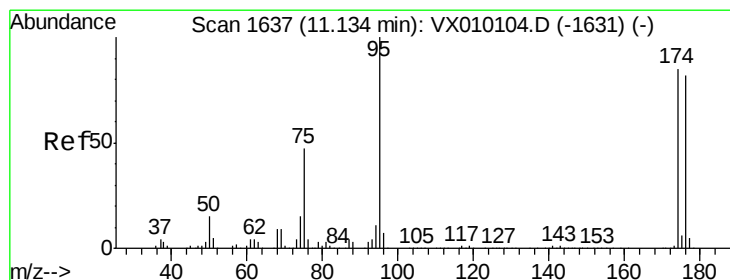
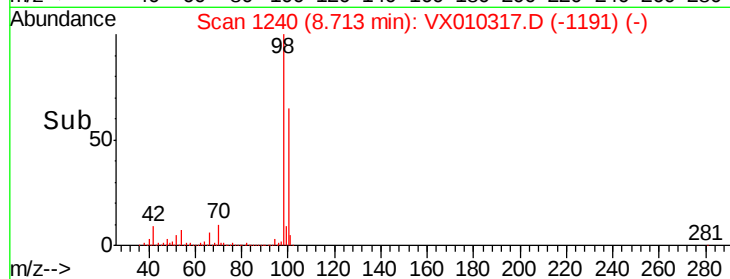
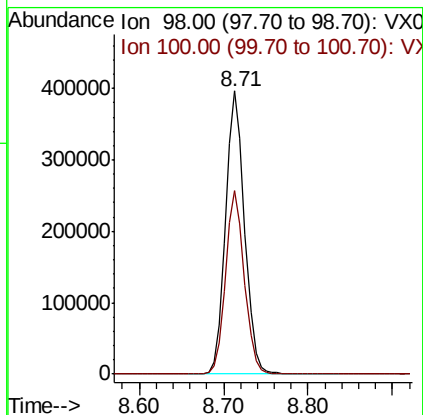
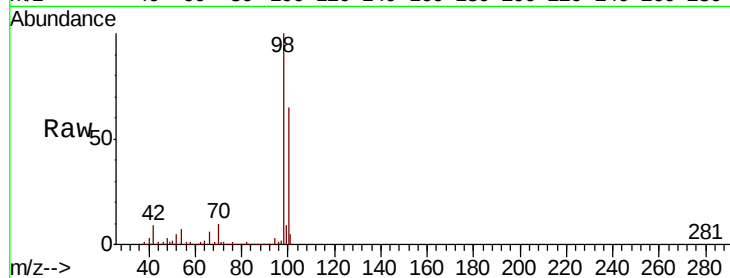
ClientSampleId :

Tot Ion: 98 Resp: 606681

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 45.657 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

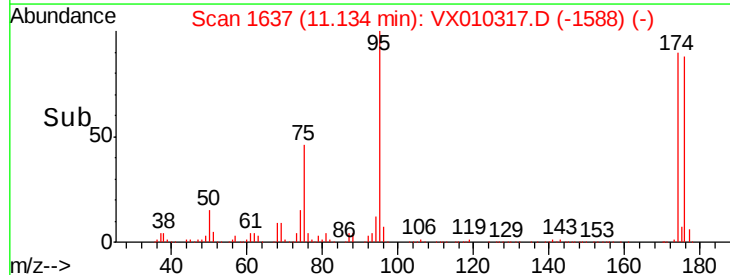
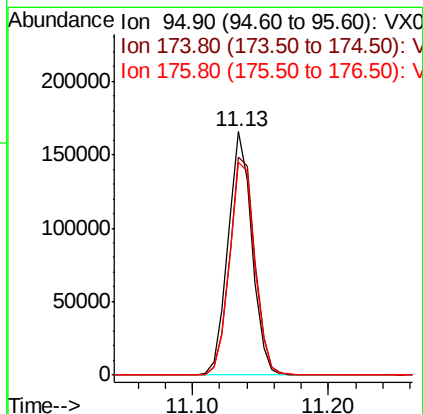
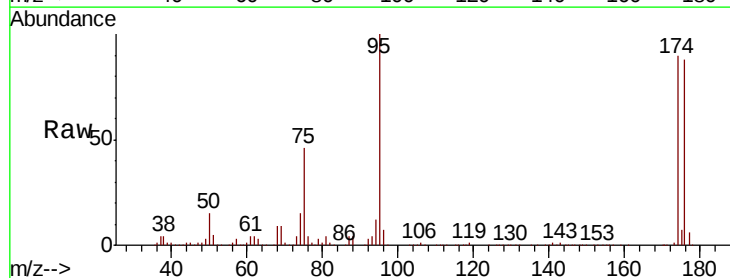
Tgt Ion: 95 Resp: 202172

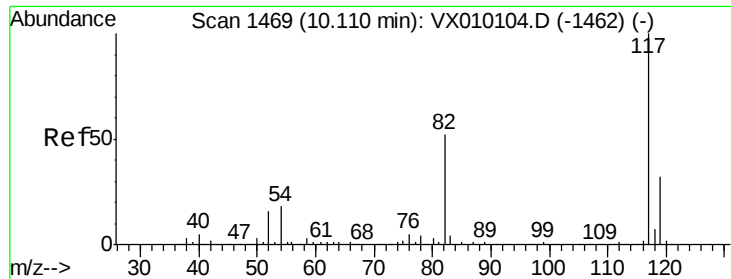
Ion Ratio Lower Upper

95 100

174 94.7 0.0 160.4

176 92.4 0.0 154.6

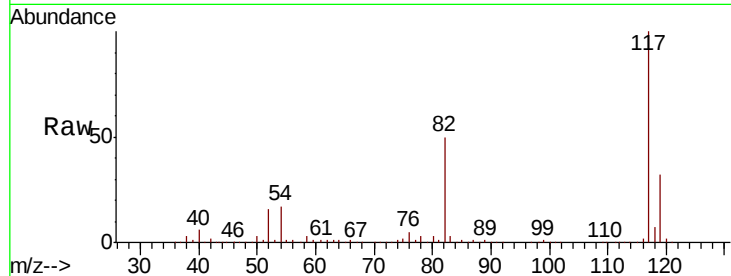




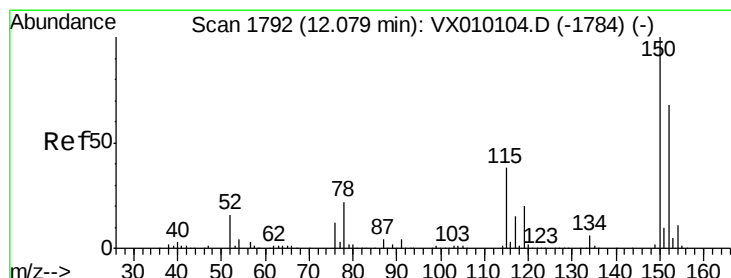
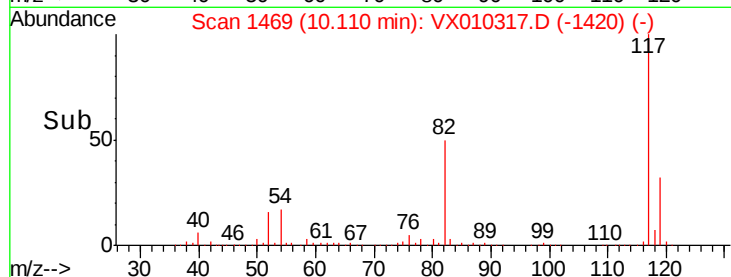
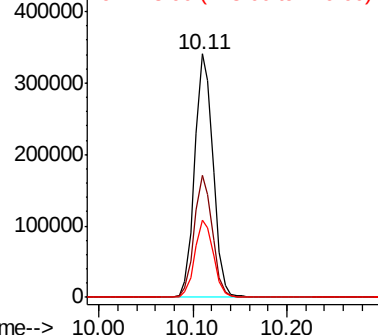
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010317.D
Acq: 17 Jun 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 460401
Ion Ratio Lower Upper
117 100
82 50.3 49.2 73.8
119 31.9 25.2 37.8

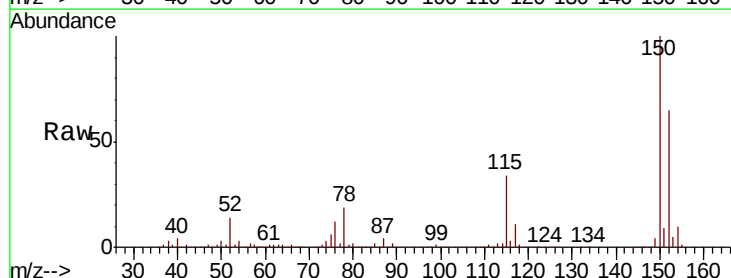


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

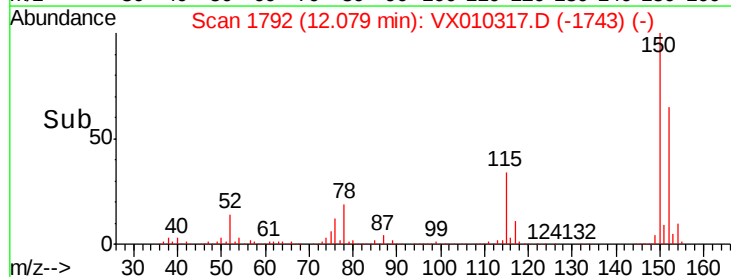
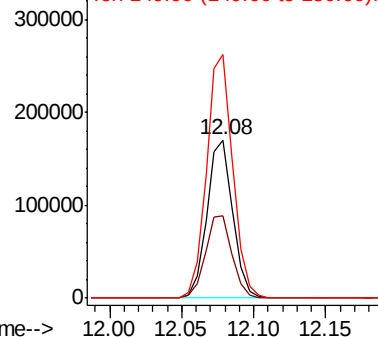


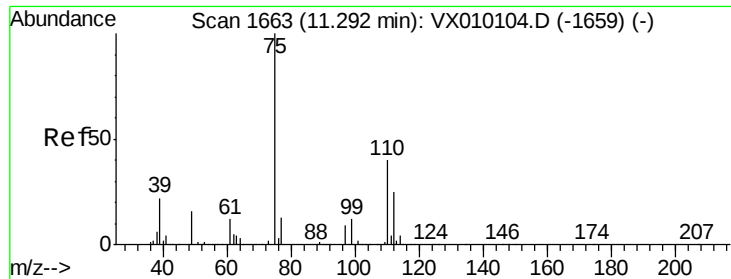
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010317.D
Acq: 17 Jun 2019 12:16

Tgt Ion:152 Resp: 213130
Ion Ratio Lower Upper
152 100
115 53.9 41.4 124.2
150 156.4 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: 22.016 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

Instrument :

MSVOA_X

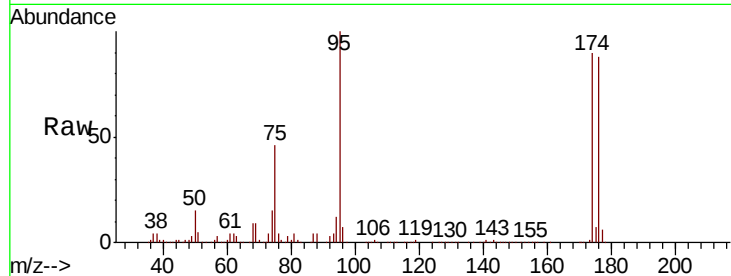
ClientSampleId :

Tot Ion: 75 Resp: 93854

Ion Ratio Lower Upper

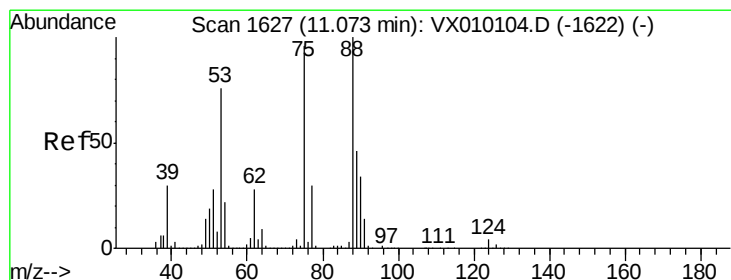
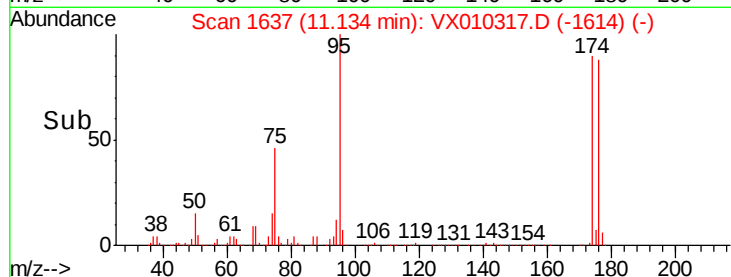
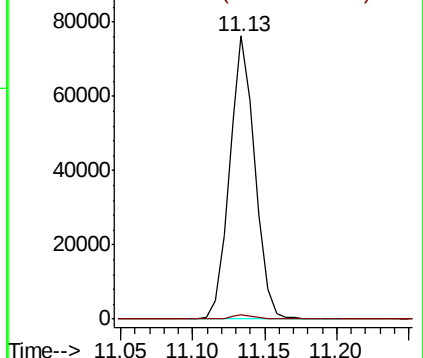
75 100

77 1.4 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: 48.643 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010317.D

Acq: 17 Jun 2019 12:16

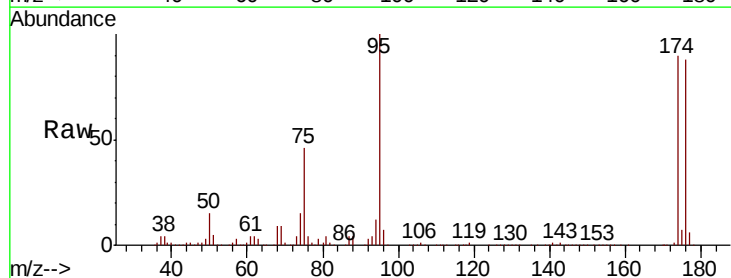
Tgt Ion: 75 Resp: 93854

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

