

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009012.D
 Acq On : 17 Apr 2019 14:14
 Operator : JC/SP
 Sample : K2387-07DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY063MW003-190410DL

Quant Time: Apr 18 01:36:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	261311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	417312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	359110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154168	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	169325	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
35) Dibromofluoromethane	5.50	113	124249	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
50) Toluene-d8	8.71	98	519868	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.13	95	173285	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

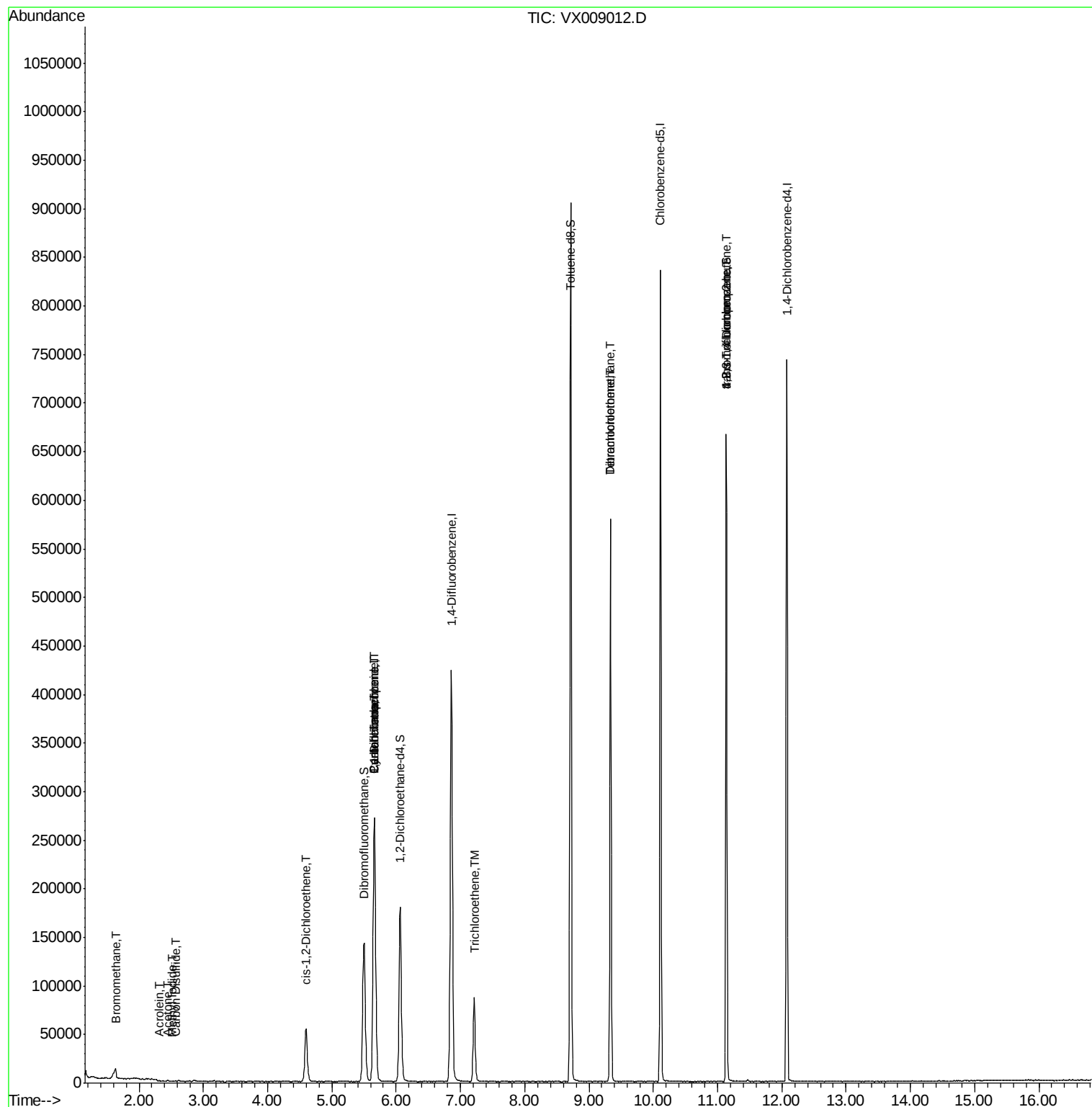
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	394	4.010	ug/l	88
10) Methyl Iodide	2.52	142	111	4.449	ug/l #	86
13) Acrolein	2.31	56	233	0.330	ug/l #	37
16) Acetone	2.44	43	1475	0.772	ug/l	93
17) Carbon Disulfide	2.57	76	523	1.315	ug/l #	26
27) cis-1,2-Dichloroethene	4.60	96	34288	10.104	ug/l	90
28) Bromochloromethane	5.01	49	45	Below Cal	#	21
31) Cyclohexane	5.67	56	6214	1.059	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20660	4.787	ug/l #	50
38) Carbon Tetrachloride	5.66	117	24998	6.832	ug/l #	17
44) Trichloroethene	7.21	130	33186	10.638	ug/l	99
60) Dibromochloromethane	9.34	129	106171	36.630	ug/l #	10
64) Tetrachloroethene	9.34	164	113465	41.591	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	87353	23.205	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	87353	59.573	ug/l #	11

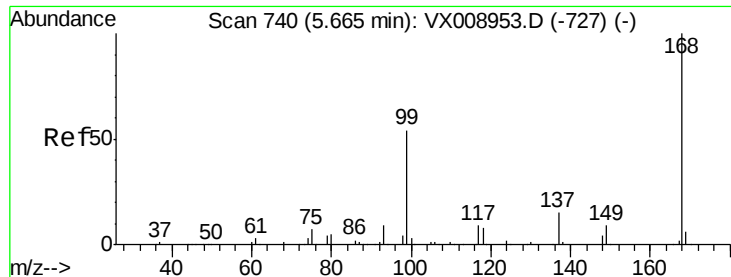
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 17 06:47:58 2019
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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: VX009012.D

Acq: 17 Apr 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

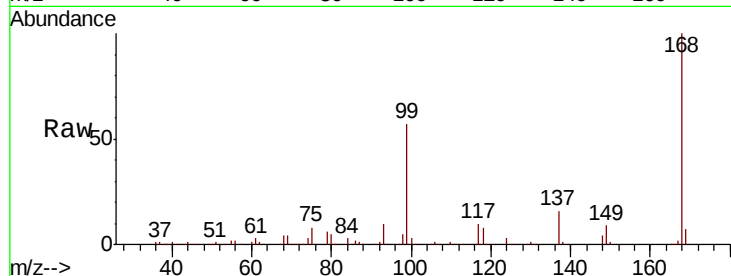
KY063MW003-190410DL

Tot Ion:168 Resp: 261311

Ion Ratio Lower Upper

168 100

99 57.2 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

100000

80000

60000

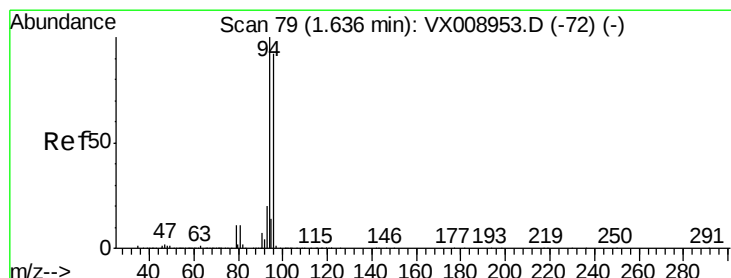
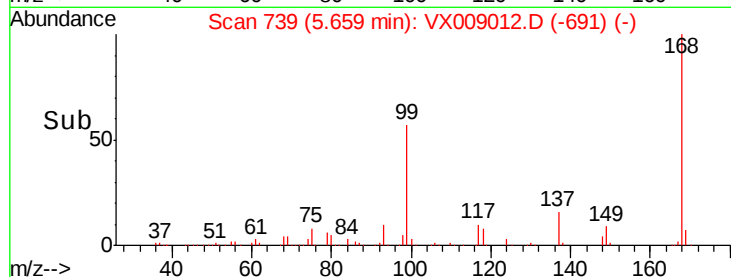
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.010 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009012.D

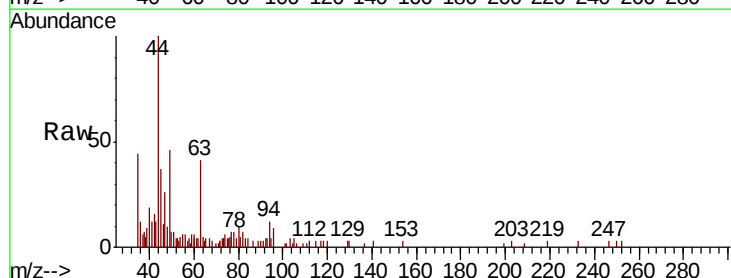
Acq: 17 Apr 2019 14:14

Tgt Ion: 94 Resp: 394

Ion Ratio Lower Upper

94 100

96 81.0 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

150

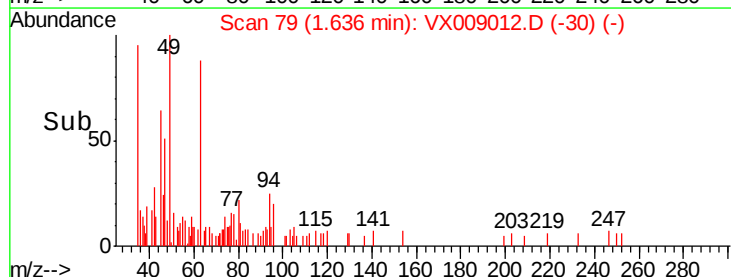
100

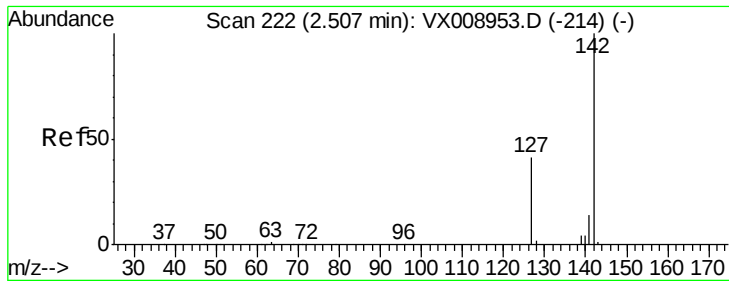
50

0

Time-->

1.60 1.65 1.70

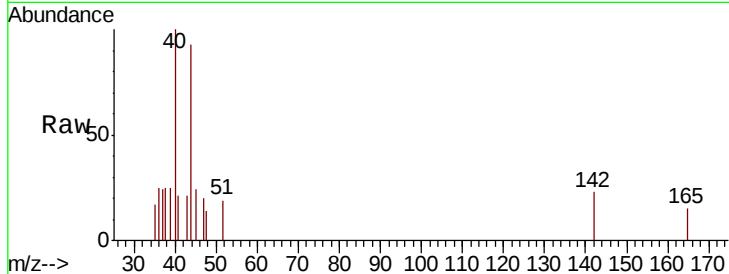




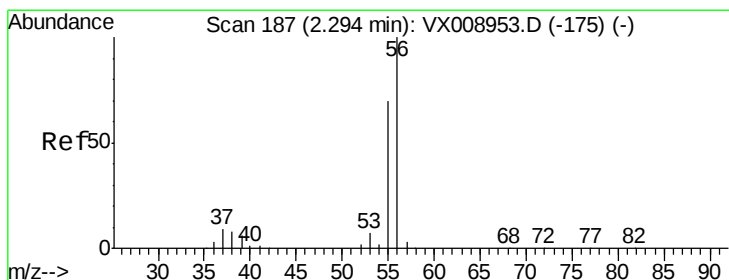
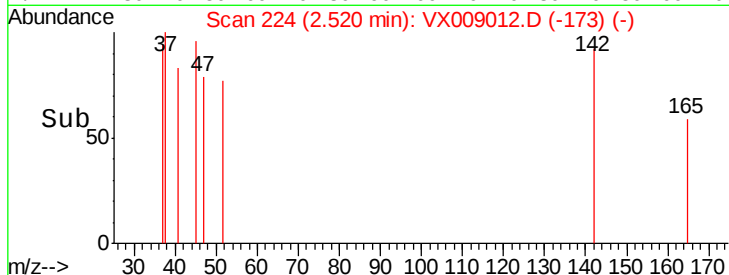
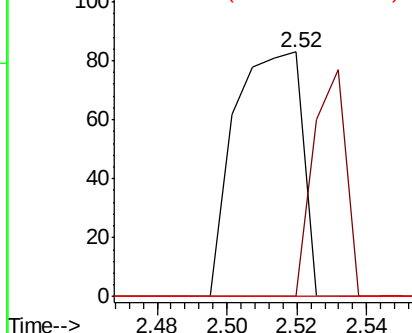
#10
Methyl Iodide
Concen: 4.449 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009012.D
Acq: 17 Apr 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
KY063MW003-190410DL

Tot Ion:142 Resp: 111
Ion Ratio Lower Upper
142 100
127 45.0 32.8 49.2
141 0.0 11.4 17.2#

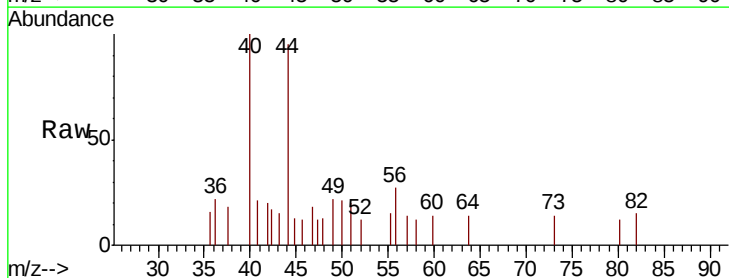


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

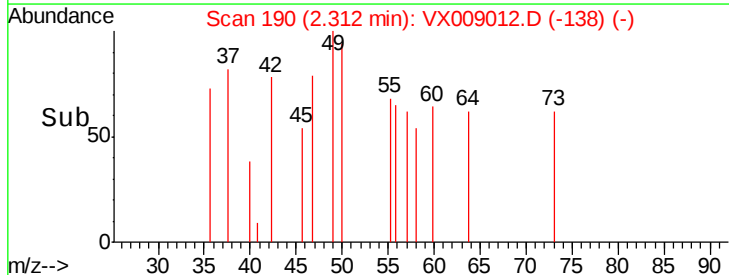
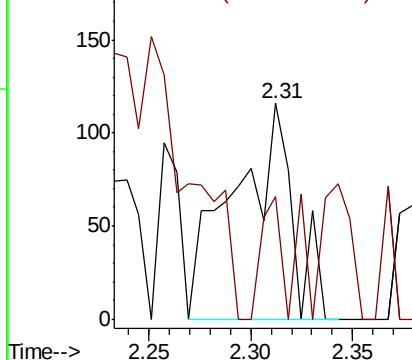


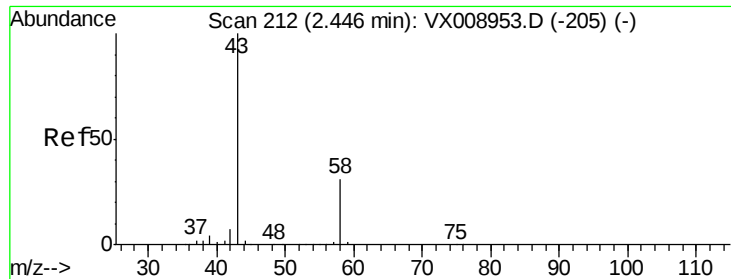
#13
Acrolein
Concen: 0.330 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX009012.D
Acq: 17 Apr 2019 14:14

Tgt Ion: 56 Resp: 233
Ion Ratio Lower Upper
56 100
55 18.9 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.772 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009012.D

Acq: 17 Apr 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

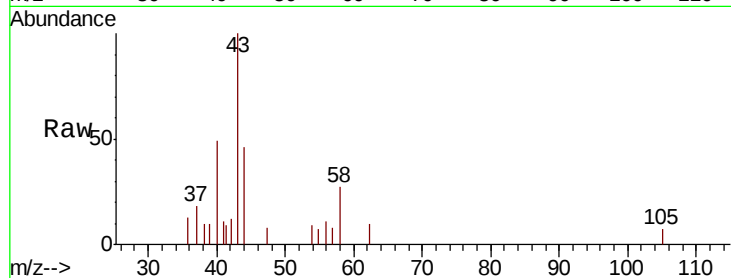
KY063MW003-190410DL

Tot Ion: 43 Resp: 1475

Ion Ratio Lower Upper

43 100

58 27.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

800

600

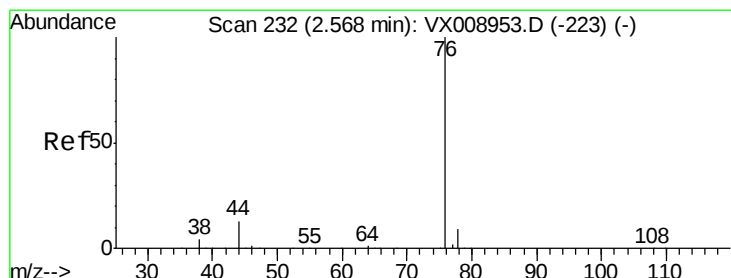
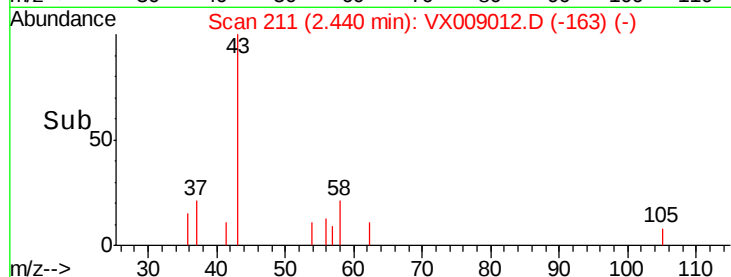
400

200

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 1.315 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009012.D

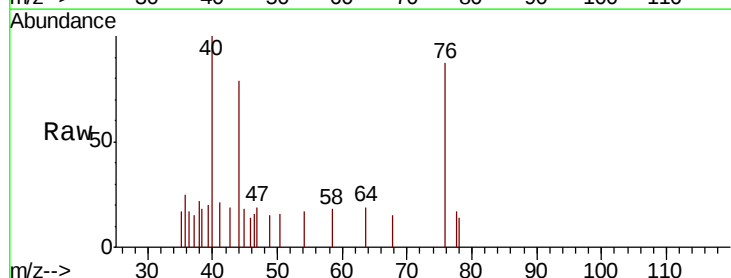
Acq: 17 Apr 2019 14:14

Tgt Ion: 76 Resp: 523

Ion Ratio Lower Upper

76 100

78 35.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

300

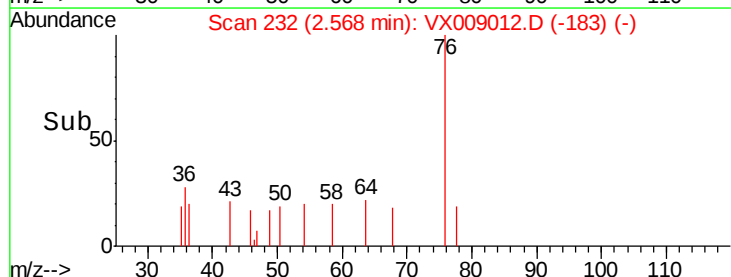
200

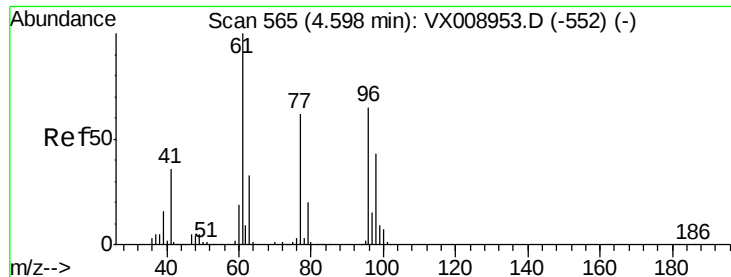
100

0

2.55 2.60

Time-->



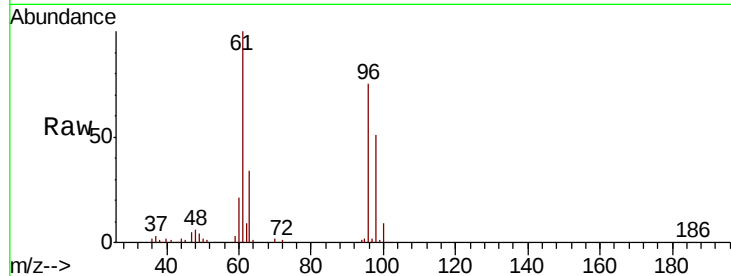


#27

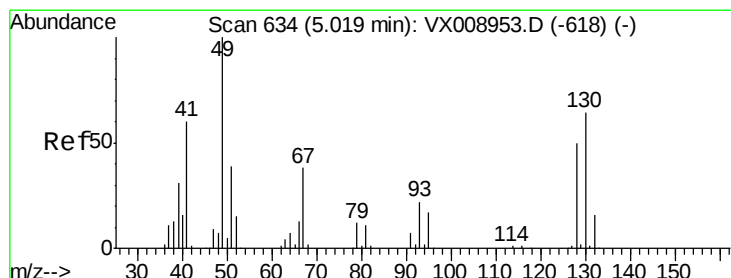
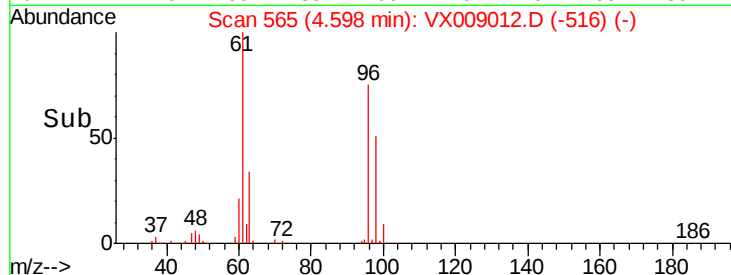
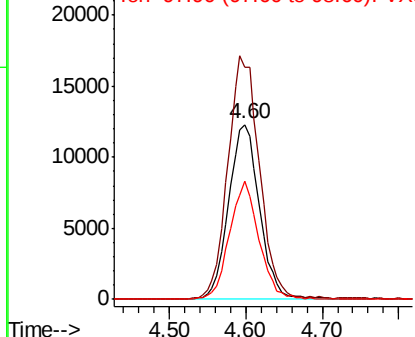
cis-1,2-Dichloroethene
 Concen: 10.104 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX009012.D
 Acq: 17 Apr 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 KY063MW003-190410DL

Tot Ion: 96 Resp: 34288
 Ion Ratio Lower Upper
 96 100
 61 143.5 0.0 322.0
 98 64.6 0.0 128.4



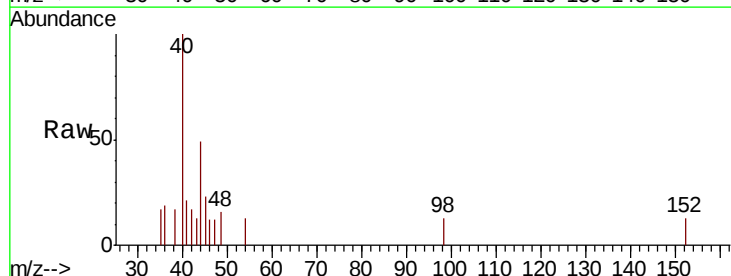
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



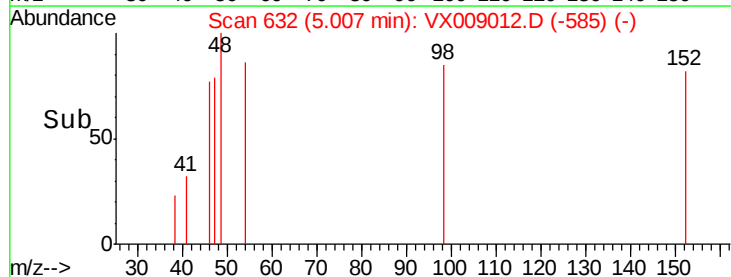
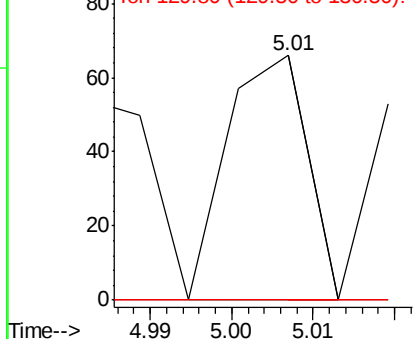
#28

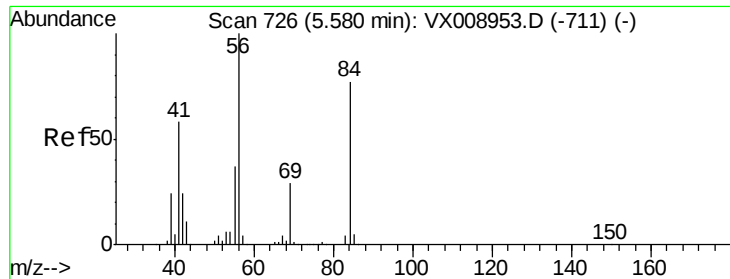
Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX009012.D
 Acq: 17 Apr 2019 14:14

Tgt Ion: 49 Resp: 45
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

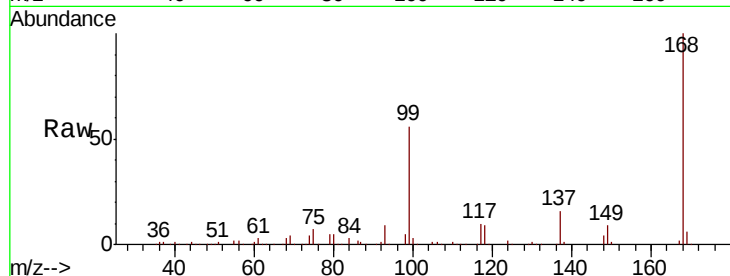




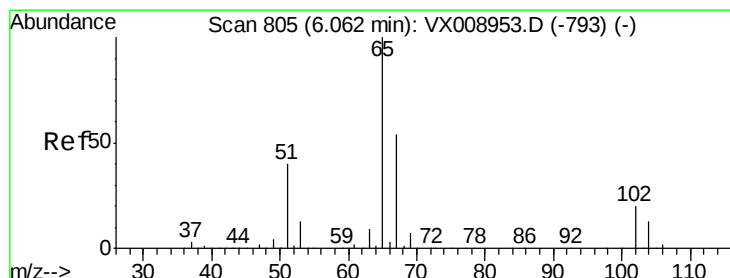
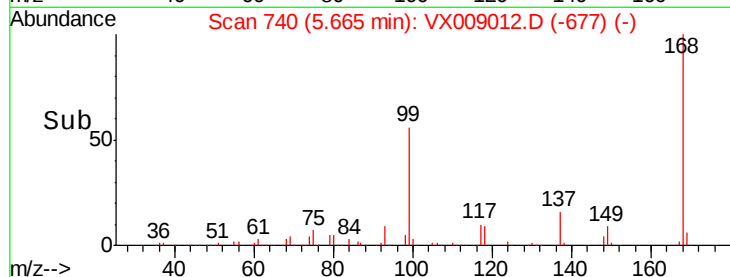
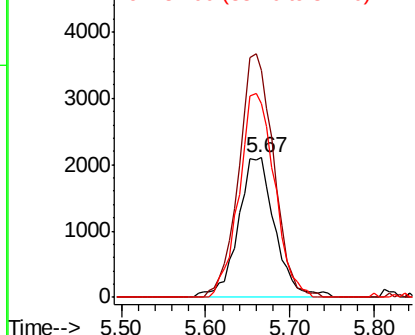
#31
Cyclohexane
Concen: 1.059 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009012.D
Acq: 17 Apr 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
KY063MW003-190410DL

Tot Ion: 56 Resp: 6214
Ion Ratio Lower Upper
56 100
69 162.7 23.3 34.9#
84 138.7 61.7 92.5#

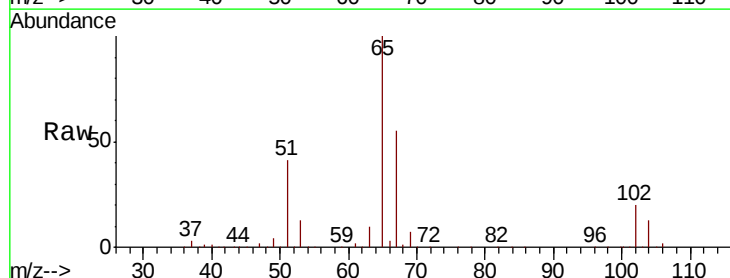


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

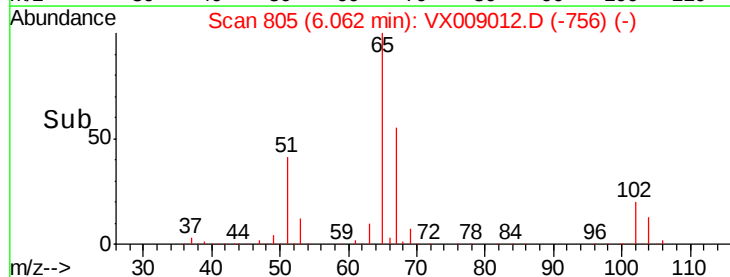
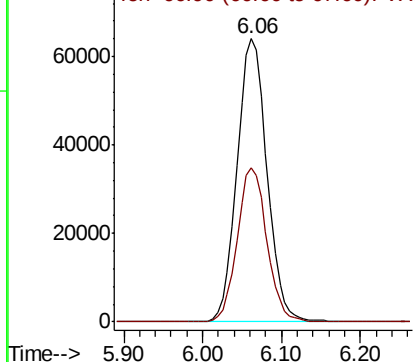


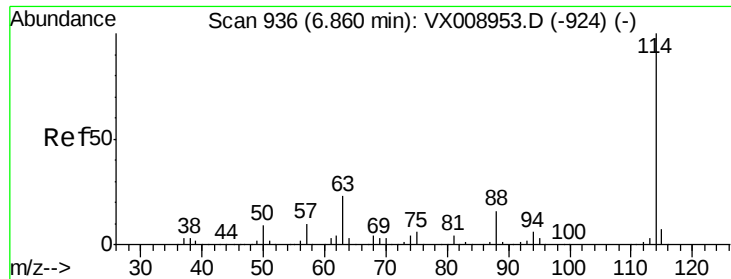
#33
1,2-Dichloroethane-d4
Concen: 45.980 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009012.D
Acq: 17 Apr 2019 14:14

Tgt Ion: 65 Resp: 169325
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.6



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

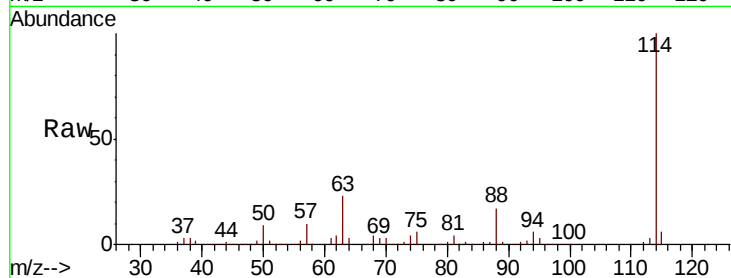




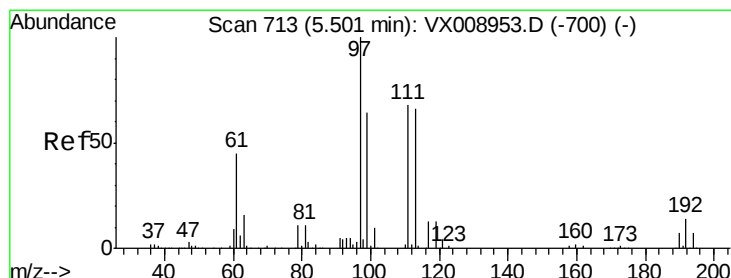
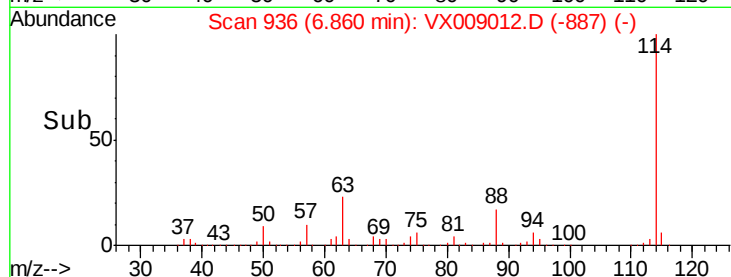
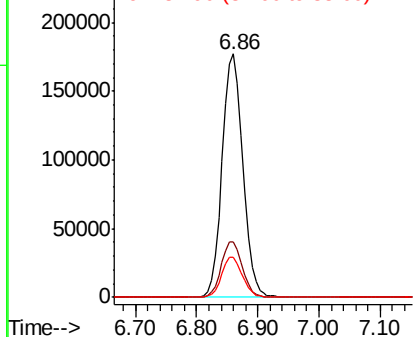
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009012.D
Acq: 17 Apr 2019 14:14

Instrument :
MSVOA_X
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KY063MW003-190410DL

Tot Ion:114 Resp: 417312
Ion Ratio Lower Upper
114 100
63 22.8 0.0 46.0
88 16.6 0.0 32.6

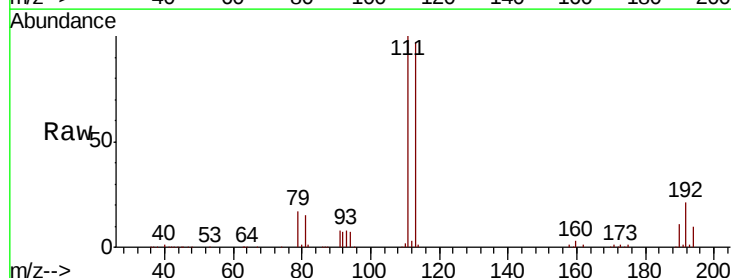


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

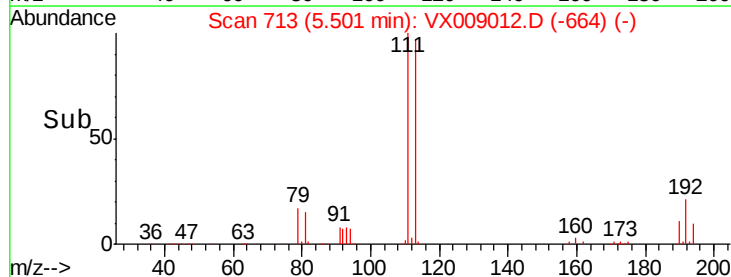
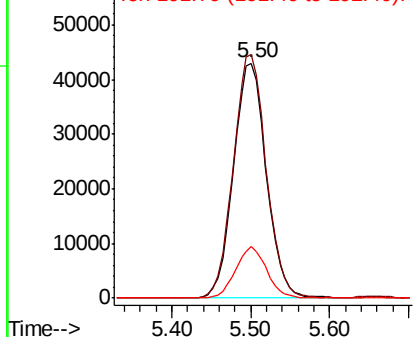


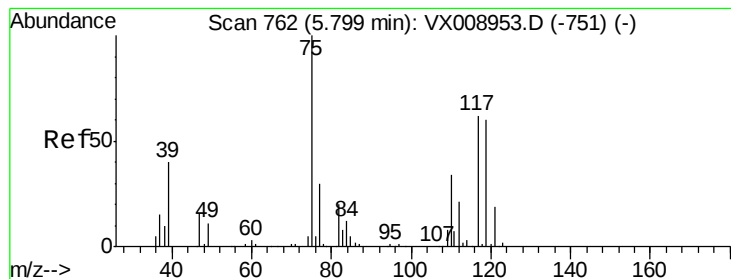
#35
Dibromofluoromethane
Concen: 46.393 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX009012.D
Acq: 17 Apr 2019 14:14

Tgt Ion:113 Resp: 124249
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 20.9 17.4 26.0



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: 4.787 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009012.D

Acq: 17 Apr 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

KY063MW003-190410DL

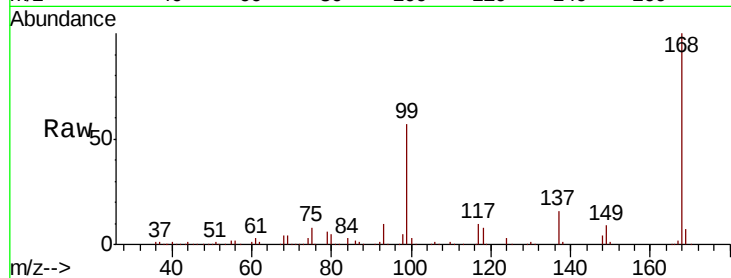
Tot Ion: 75 Resp: 20660

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

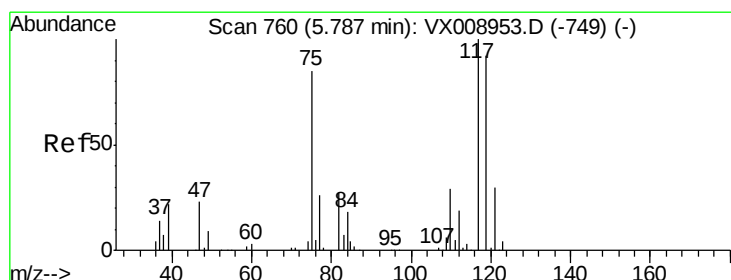
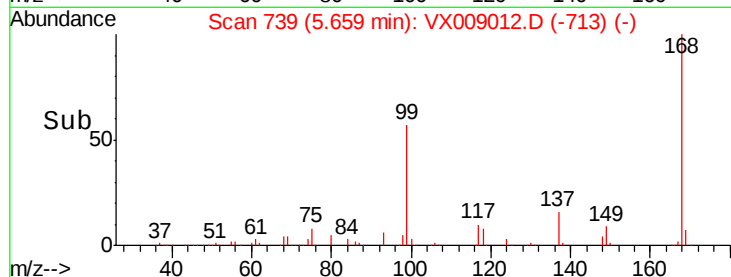
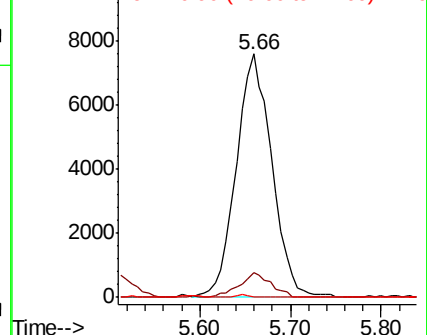
77 0.3 25.0 37.4#



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: 6.832 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009012.D

Acq: 17 Apr 2019 14:14

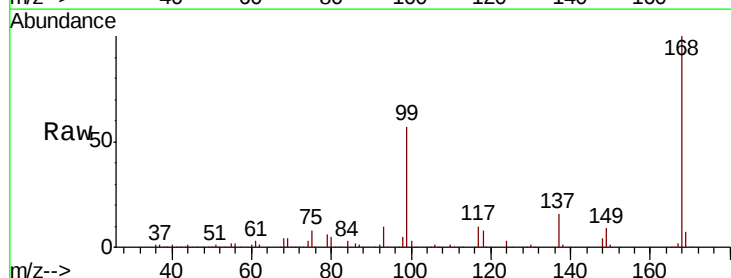
Tgt Ion: 117 Resp: 24998

Ion Ratio Lower Upper

117 100

119 4.6 73.8 110.8#

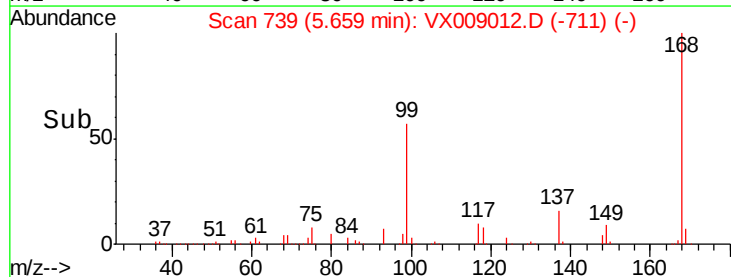
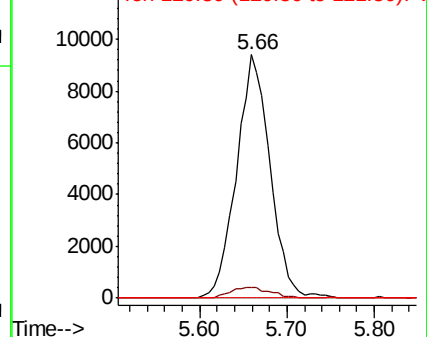
121 0.0 23.6 35.4#

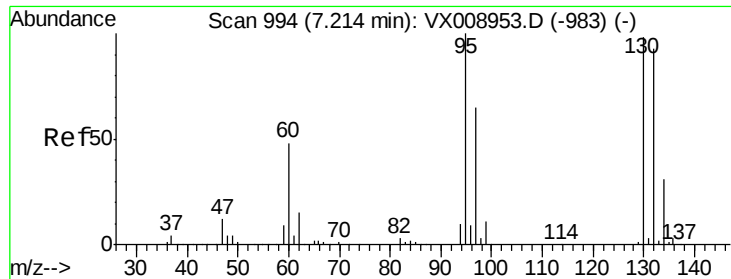


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 10.638 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009012.D

Acq: 17 Apr 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

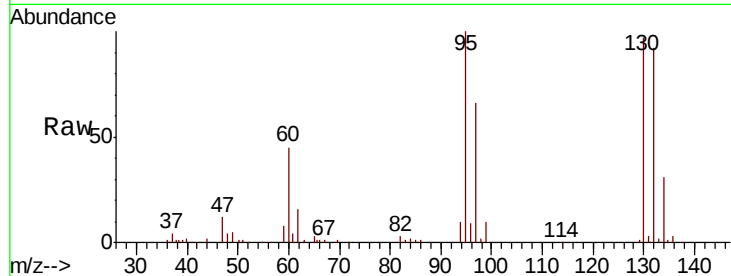
KY063MW003-190410DL

Tot Ion:130 Resp: 33186

Ion Ratio Lower Upper

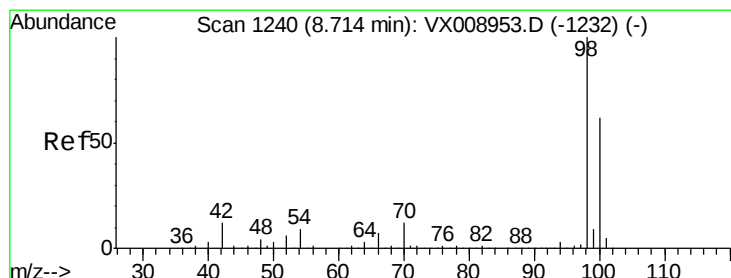
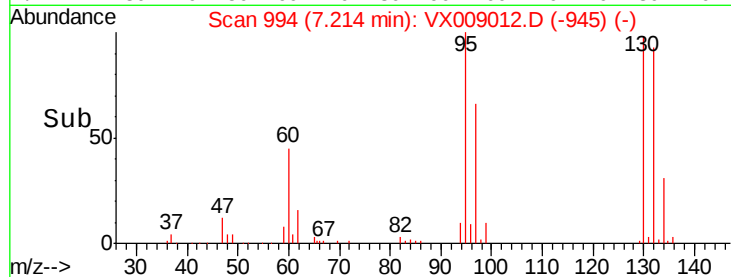
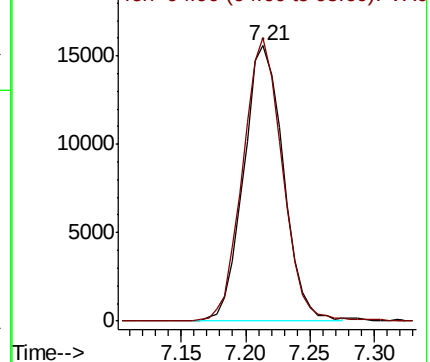
130 100

95 102.6 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.673 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009012.D

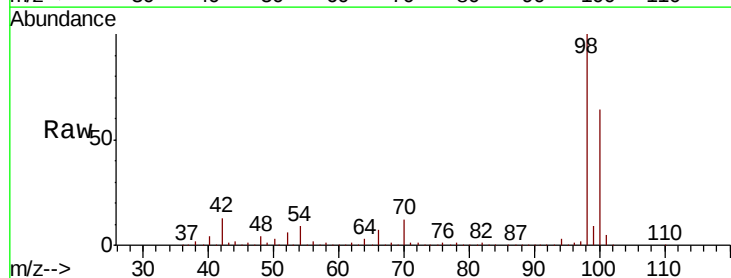
Acq: 17 Apr 2019 14:14

Tgt Ion: 98 Resp: 519868

Ion Ratio Lower Upper

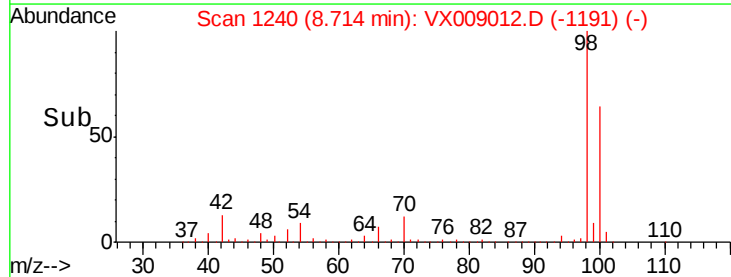
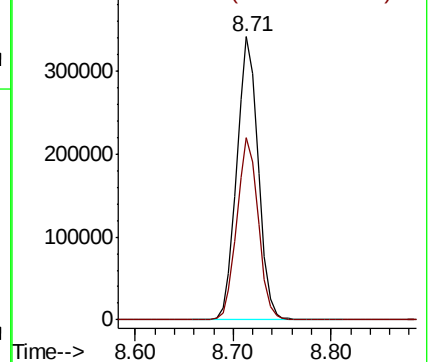
98 100

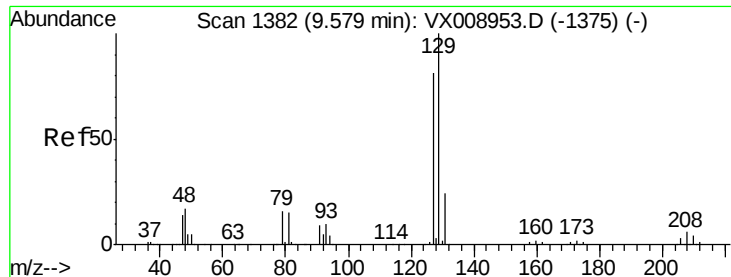
100 64.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

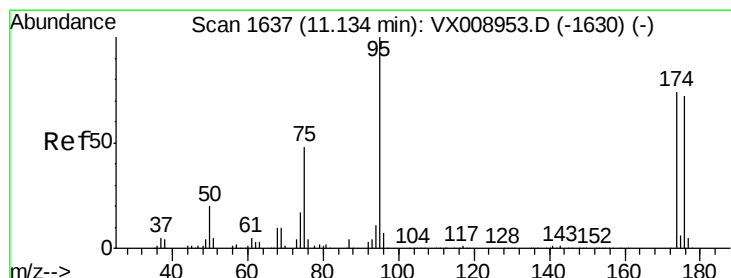
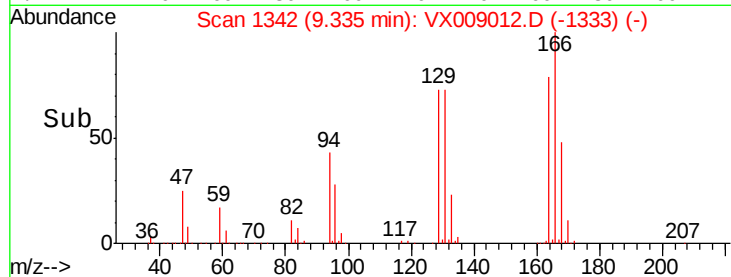
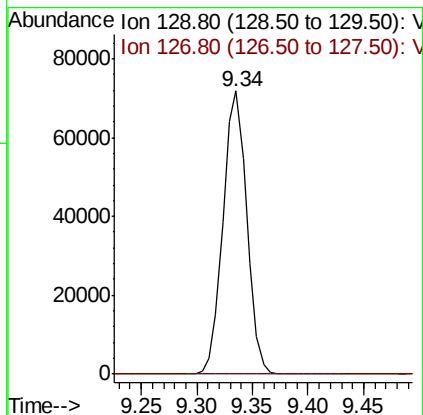
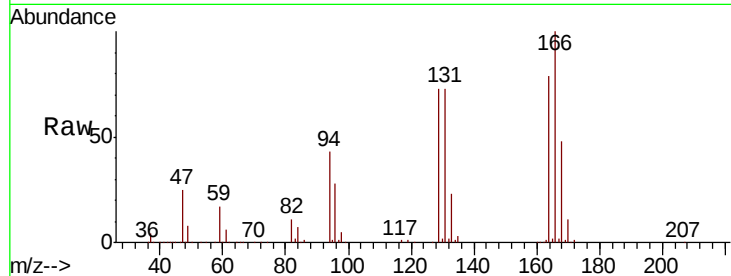




#60
 Dibromochloromethane
 Concen: 36.630 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009012.D
 Acq: 17 Apr 2019 14:14

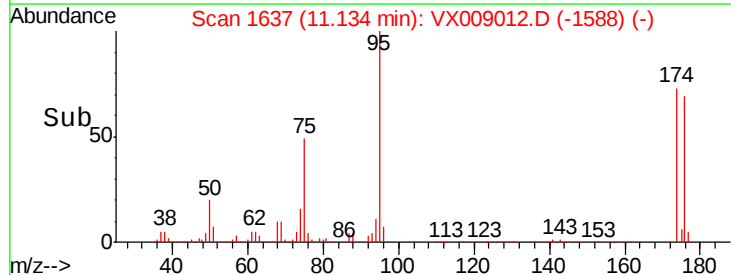
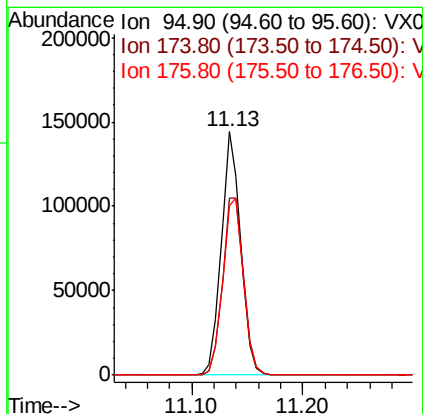
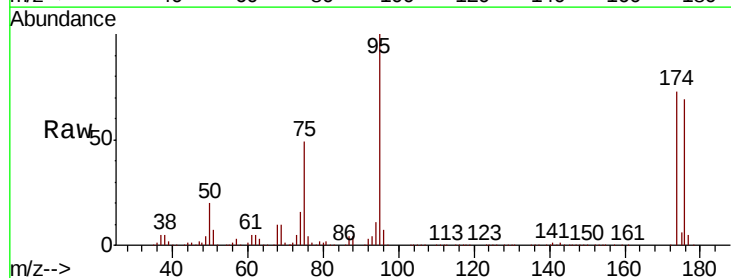
Instrument :
 MSVOA_X
 ClientSampleId :
 KY063MW003-190410DL

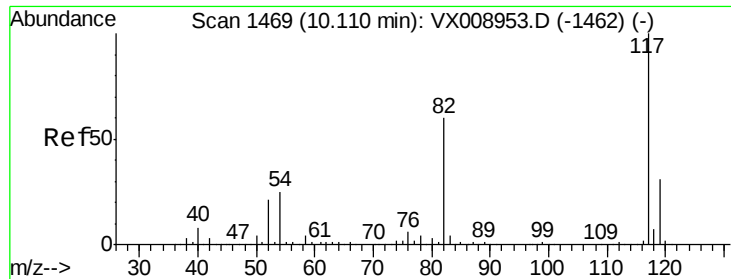
Tot Ion:129 Resp: 106171
 Ion Ratio Lower Upper
 129 100
 127 0.1 39.1 117.2#



#62
 4-Bromofluorobenzene
 Concen: 45.960 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009012.D
 Acq: 17 Apr 2019 14:14

Tgt Ion: 95 Resp: 173285
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 159.6
 176 77.1 0.0 154.8

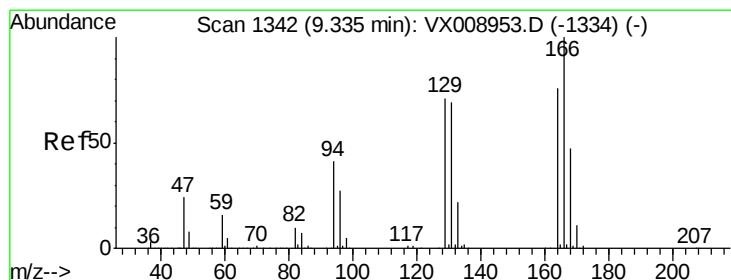
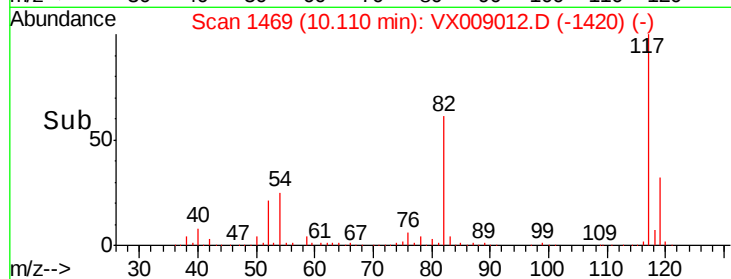
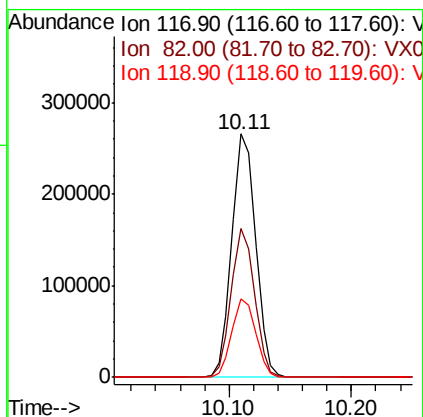
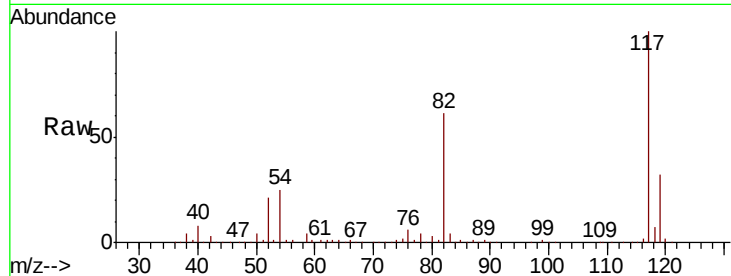




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009012.D
Acq: 17 Apr 2019 14:14

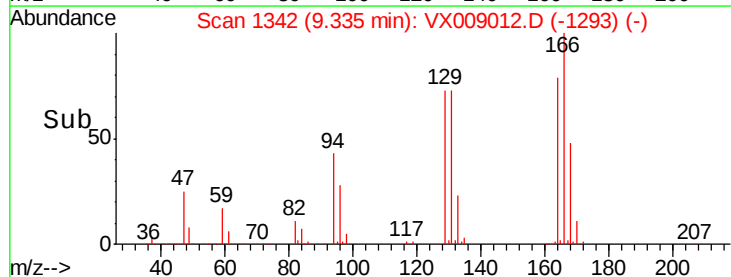
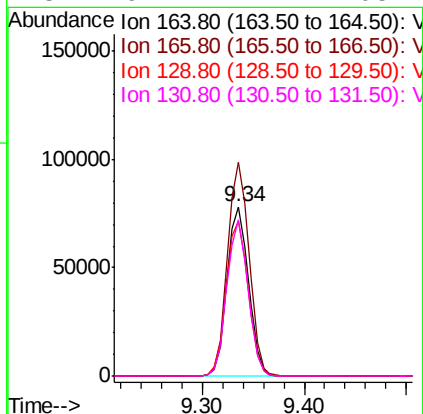
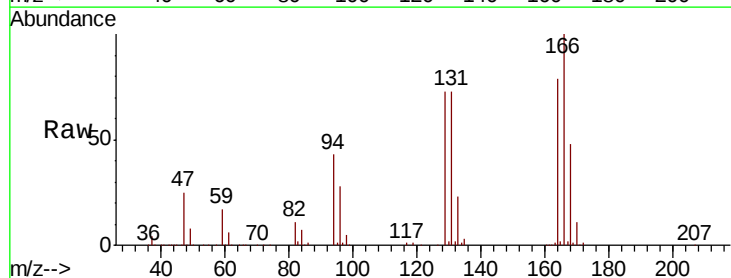
Instrument :
MSVOA_X
ClientSampleId :
KY063MW003-190410DL

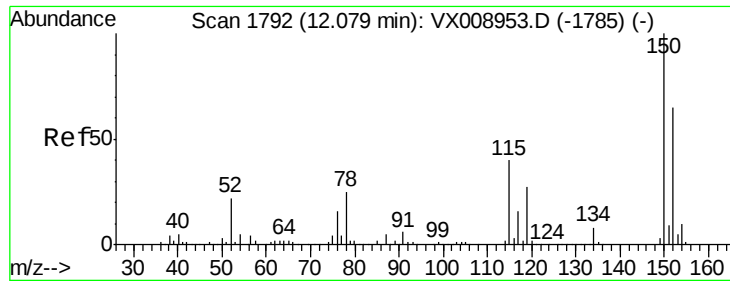
Tot Ion:117 Resp: 359110
Ion Ratio Lower Upper
117 100
82 61.3 48.2 72.4
119 32.0 25.0 37.6



#64
Tetrachloroethene
Concen: 41.591 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009012.D
Acq: 17 Apr 2019 14:14

Tgt Ion:164 Resp: 113465
Ion Ratio Lower Upper
164 100
166 126.2 105.0 157.4
129 91.9 74.2 111.4
131 92.2 72.2 108.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009012.D

Acq: 17 Apr 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

KY063MW003-190410DL

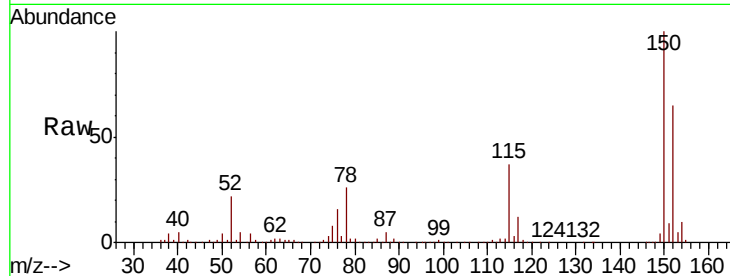
Tot Ion:152 Resp: 154168

Ion Ratio Lower Upper

152 100

115 58.8 41.4 124.2

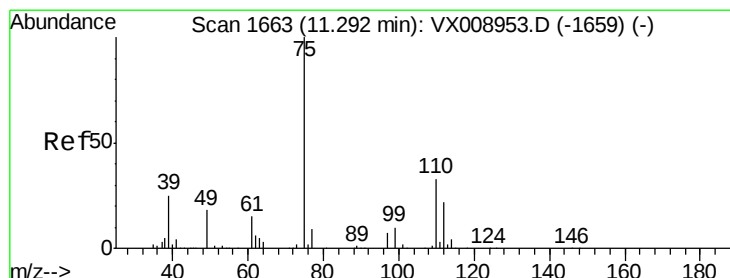
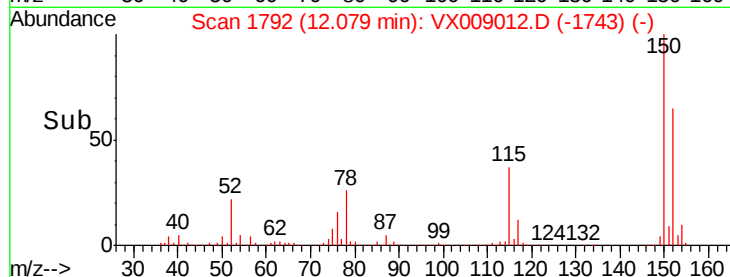
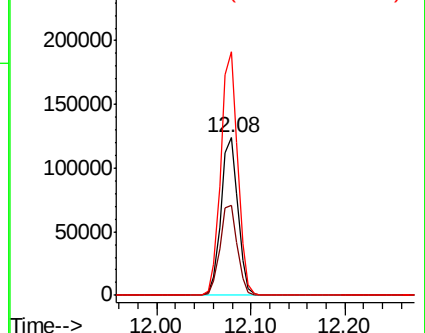
150 154.5 0.0 349.8



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: 23.205 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009012.D

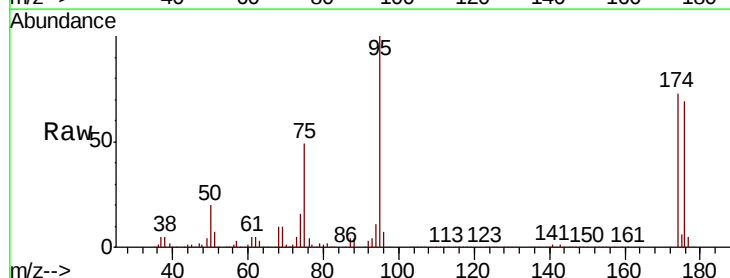
Acq: 17 Apr 2019 14:14

Tgt Ion: 75 Resp: 87353

Ion Ratio Lower Upper

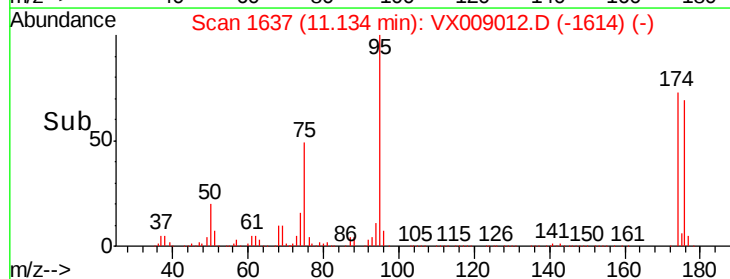
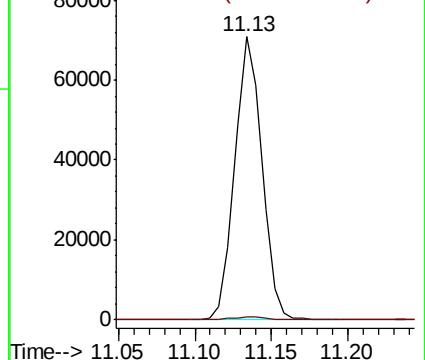
75 100

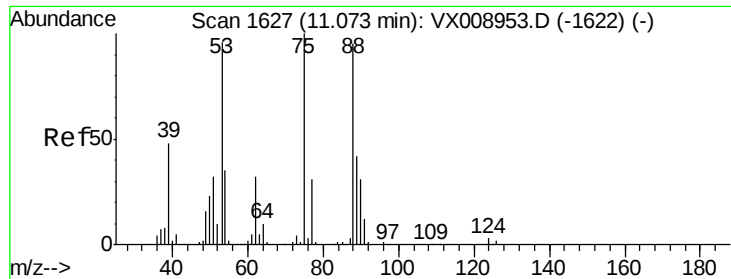
77 1.2 22.7 68.0#



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: 59.573 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009012.D

Acq: 17 Apr 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

KY063MW003-190410DL

Tot Ion: 75 Resp: 87353

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#

