

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010184.D
 Acq On : 10 Jun 2019 17:42
 Operator : JC/SP
 Sample : K3257-06DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20190606DL

Quant Time: Jun 11 02:39:18 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	250576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	383166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	346690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166480	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	112458	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
35) Dibromofluoromethane	5.49	113	115937	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	8.71	98	447633	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	157047	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

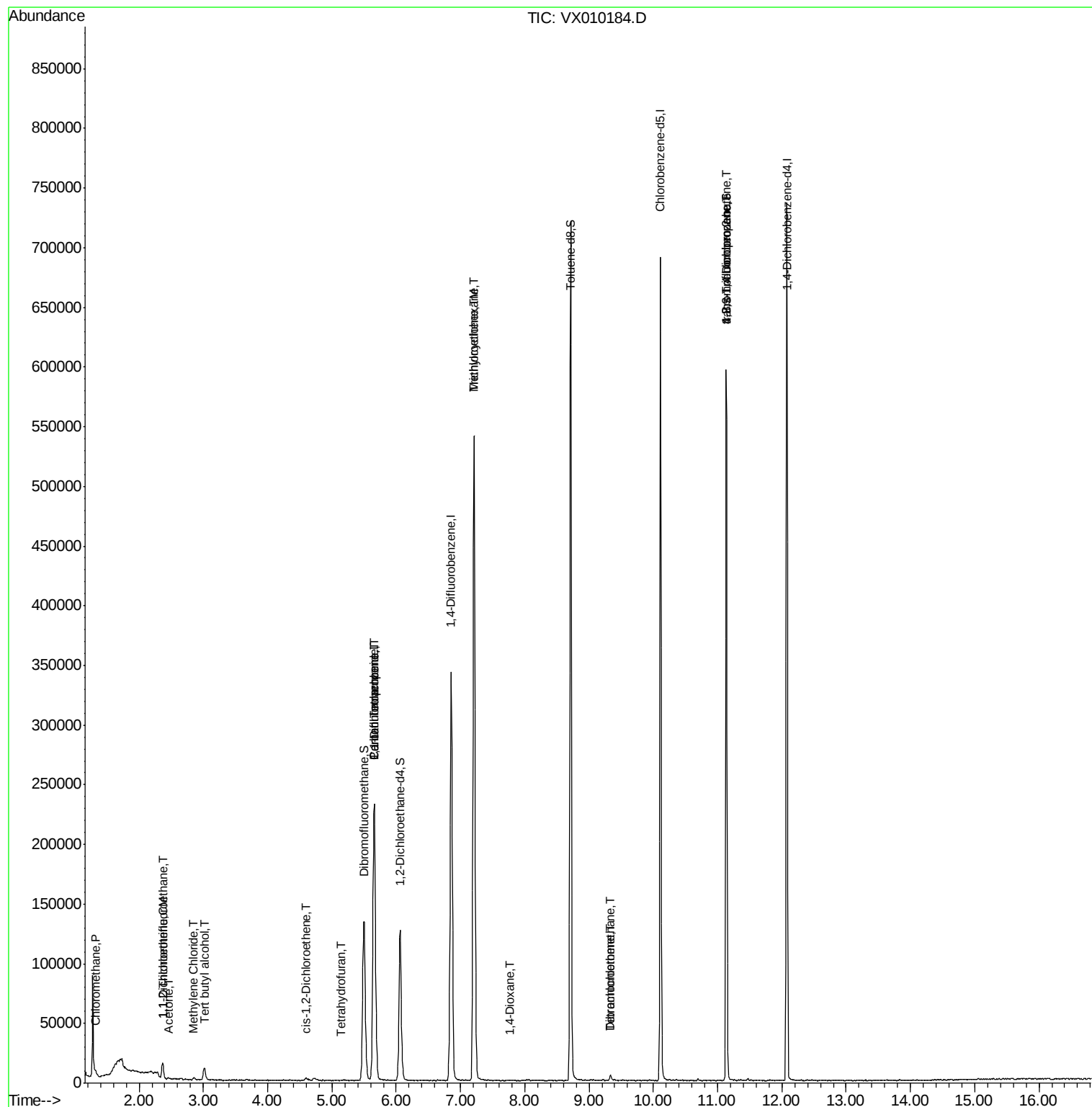
						Qvalue
3) Chloromethane	1.32	50	498	0.217	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3346	1.518	ug/l	89
11) Tert butyl alcohol	3.01	59	6114	10.204	ug/l #	89
12) 1,1-Dichloroethene	2.37	96	2038	0.905	ug/l #	70
16) Acetone	2.46	43	773	0.672	ug/l #	75
20) Methylene Chloride	2.85	84	835	0.330	ug/l #	60
27) cis-1,2-Dichloroethene	4.60	96	1122	0.405	ug/l	79
29) Tetrahydrofuran	5.13	42	446	0.414	ug/l #	43
36) 1,1-Dichloropropene	5.65	75	14541	4.652	ug/l #	51
38) Carbon Tetrachloride	5.65	117	21682	6.128	ug/l #	15
39) Methylcyclohexane	7.20	83	2507	0.589	ug/l #	1
44) Trichloroethene	7.21	130	230163	78.993	ug/l	87
49) 1,4-Dioxane	7.77	88	134	1.848	ug/l #	28
60) Dibromochloromethane	9.34	129	850	0.276	ug/l #	11
64) Tetrachloroethene	9.34	164	917	0.356	ug/l #	74
76) 1,2,3-Trichloropropane	11.13	75	70296	21.110	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	70296	46.642	ug/l #	10

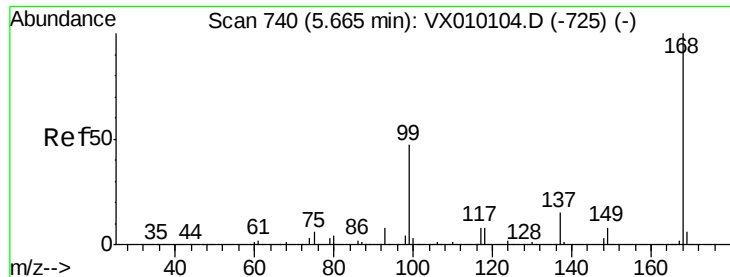
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061019\
Data File : VX010184.D
Acq On : 10 Jun 2019 17:42
Operator : JC/SP
Sample : K3257-06DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20190606DL

Quant Time: Jun 11 02:39:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010184.D

Acq: 10 Jun 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

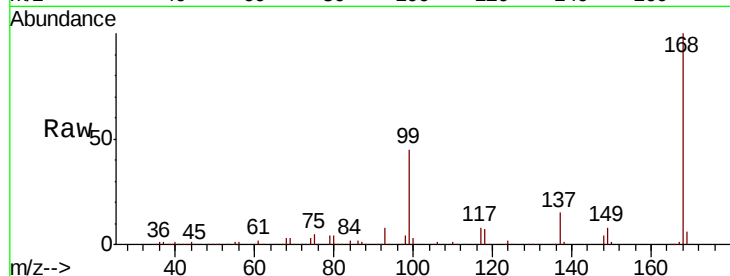
RE120D1-20190606DL

Tot Ion:168 Resp: 250576

Ion Ratio Lower Upper

168 100

99 45.0 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

100000

80000

60000

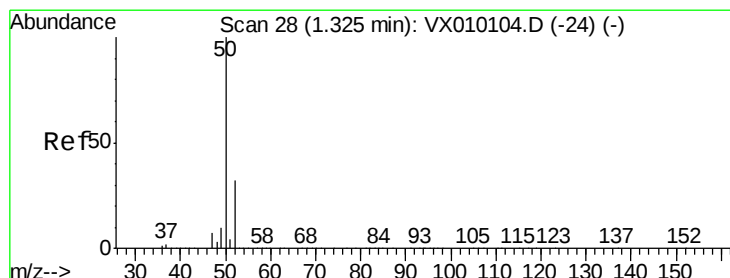
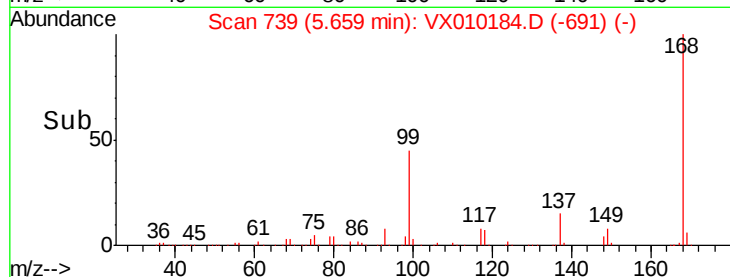
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010184.D

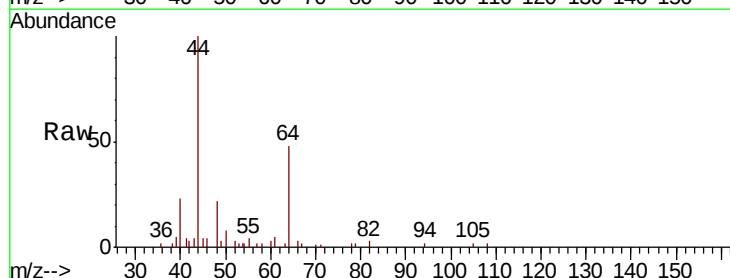
Acq: 10 Jun 2019 17:42

Tgt Ion: 50 Resp: 498

Ion Ratio Lower Upper

50 100

52 37.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

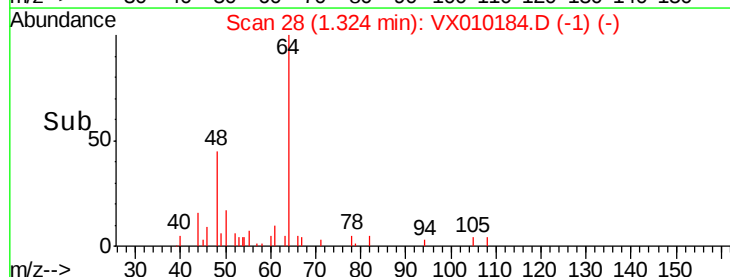
200

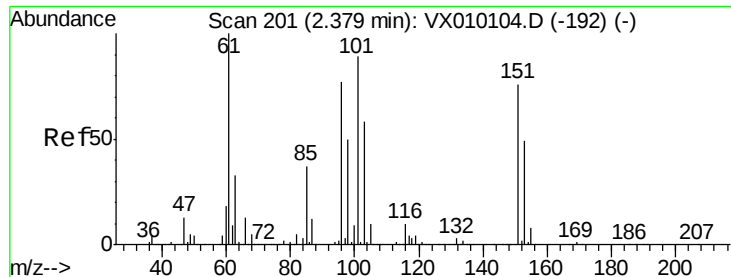
100

0

Time-->

1.30 1.35





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.518 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX010184.D

Acq: 10 Jun 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190606DL

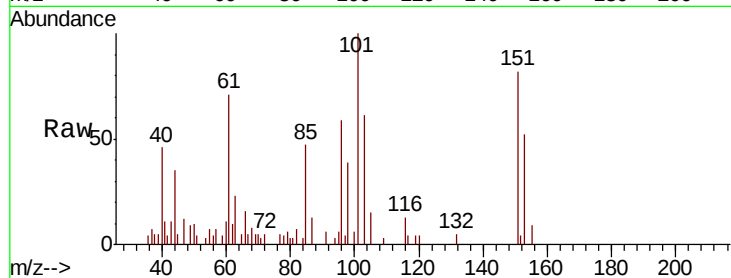
Tot Ion:101 Resp: 3346

Ion Ratio Lower Upper

101 100

85 45.7 35.2 52.8

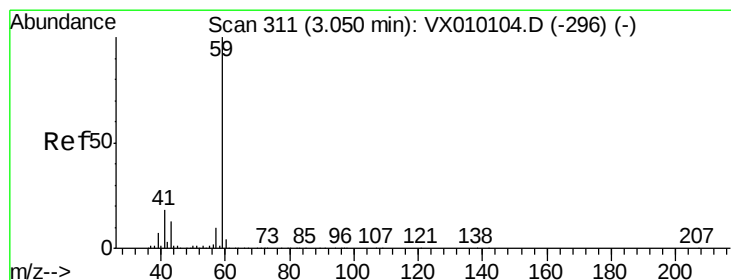
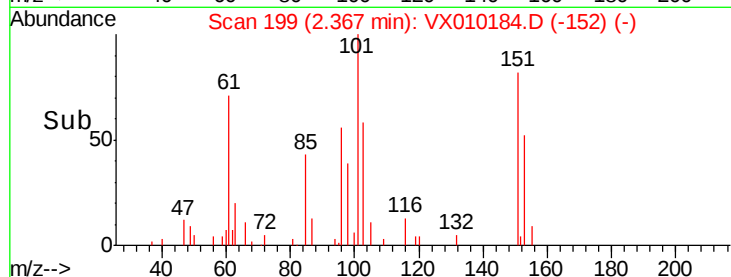
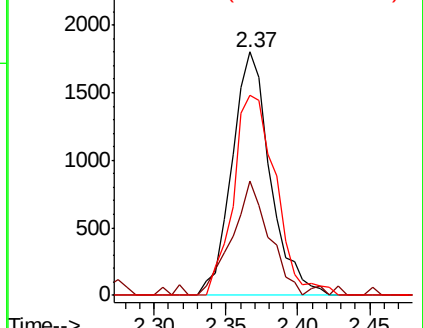
151 90.7 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 10.204 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010184.D

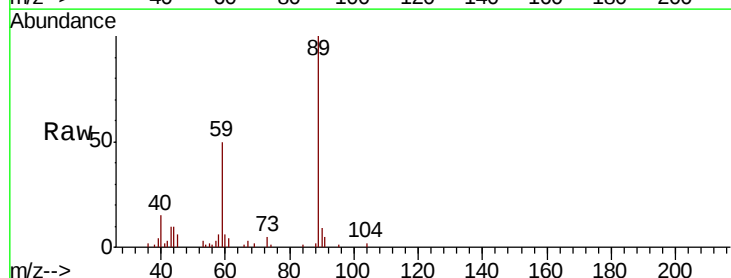
Acq: 10 Jun 2019 17:42

Tgt Ion: 59 Resp: 6114

Ion Ratio Lower Upper

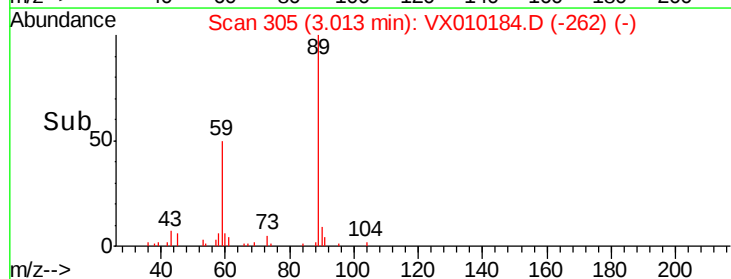
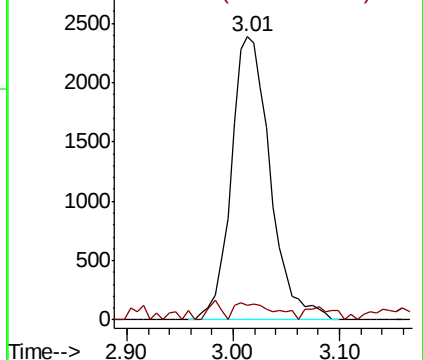
59 100

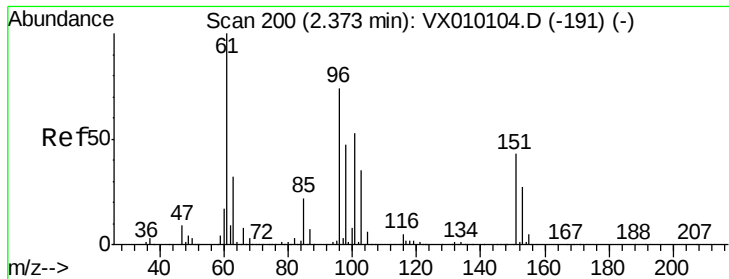
57 6.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.905 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX010184.D

Acq: 10 Jun 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190606DL

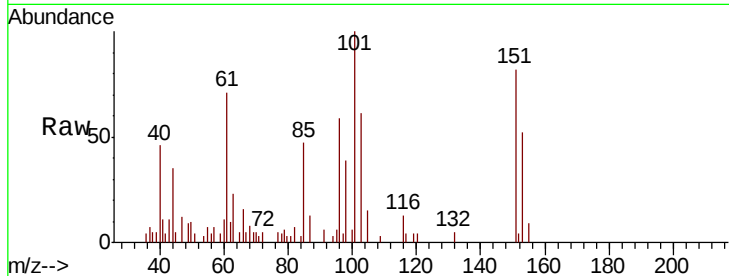
Tot Ion: 96 Resp: 2038

Ion Ratio Lower Upper

96 100

61 121.1 140.7 211.1#

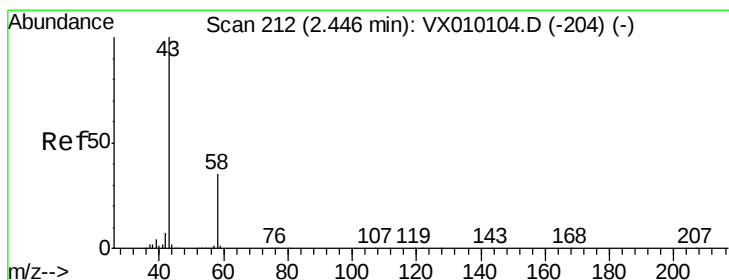
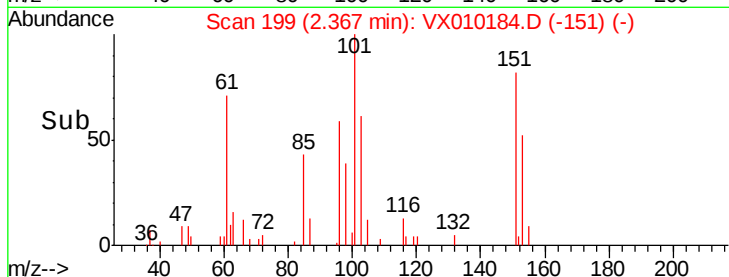
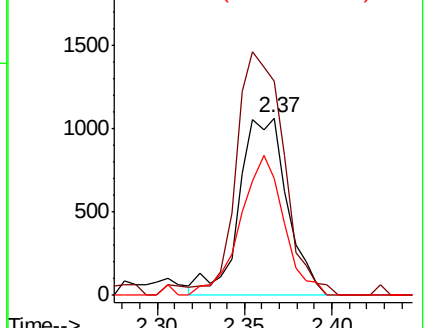
98 65.8 50.1 75.1



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



#16

Acetone

Concen: 0.672 ug/l

RT: 2.46 min Scan# 215

Delta R.T. 0.02 min

Lab File: VX010184.D

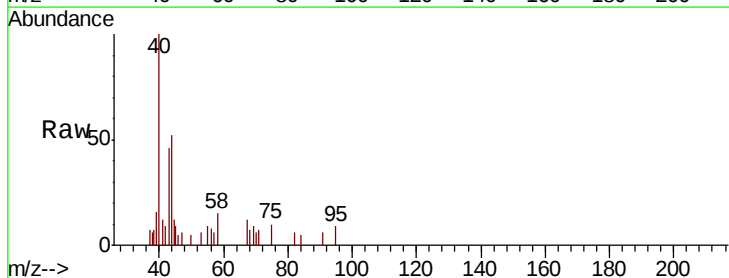
Acq: 10 Jun 2019 17:42

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

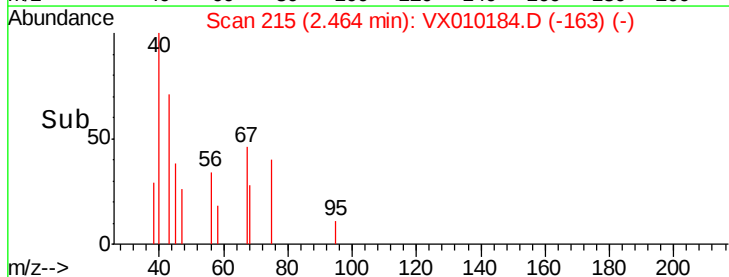
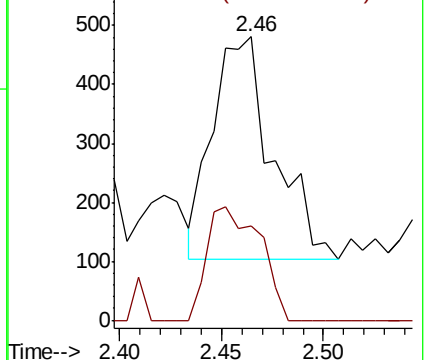
43 100

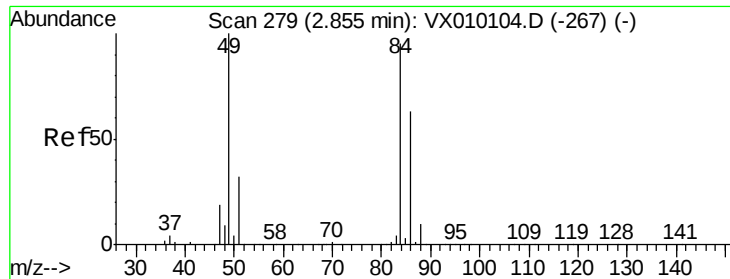
58 42.4 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

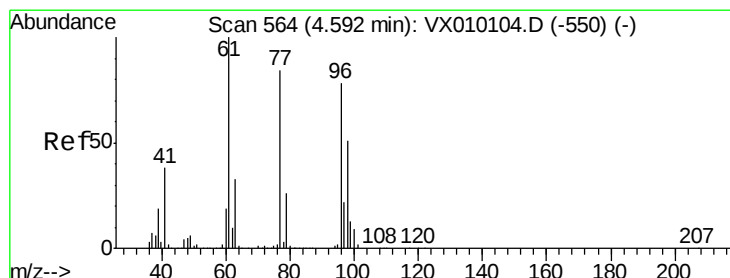
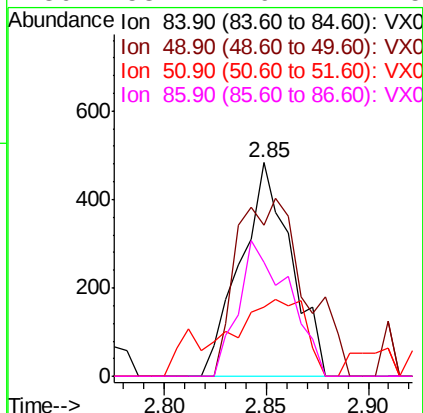
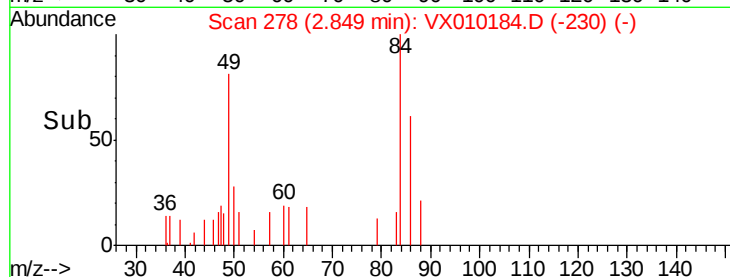
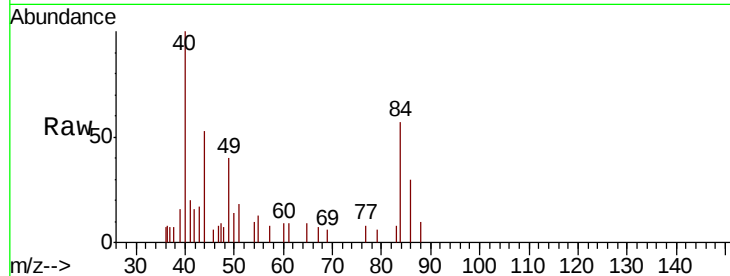




#20
Methvlene Chloride
Concen: 0.330 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX010184.D
Acq: 10 Jun 2019 17:42

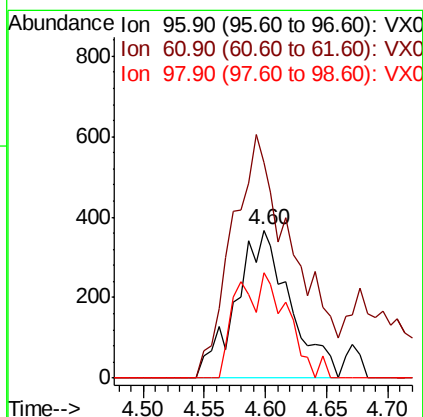
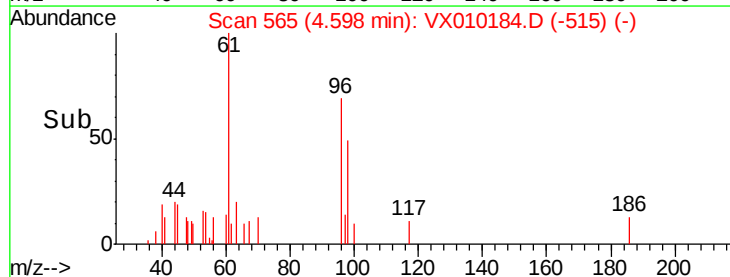
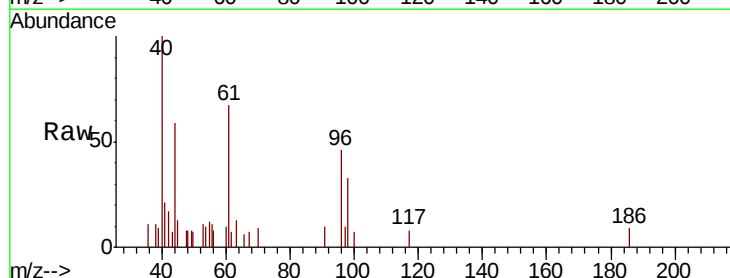
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20190606DL

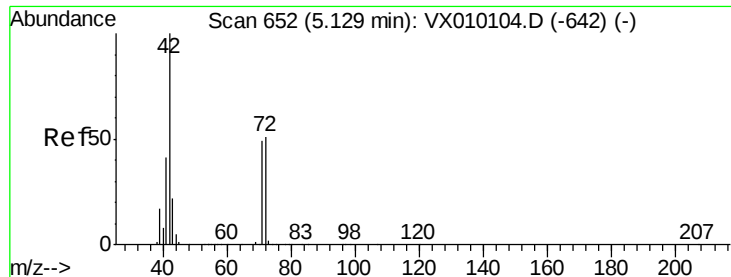
Tot Ion: 84 Resp: 835
Ion Ratio Lower Upper
84 100
49 70.8 115.8 173.6#
51 32.3 34.4 51.6#
86 53.4 49.7 74.5



#27
cis-1,2-Dichloroethene
Concen: 0.405 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010184.D
Acq: 10 Jun 2019 17:42

Tgt Ion: 96 Resp: 1122
Ion Ratio Lower Upper
96 100
61 188.1 0.0 334.0
98 37.5 0.0 131.6





#29

Tetrahydrofuran

Concen: 0.414 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010184.D

Acq: 10 Jun 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190606DL

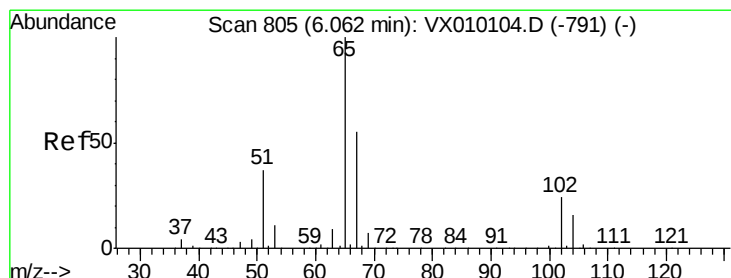
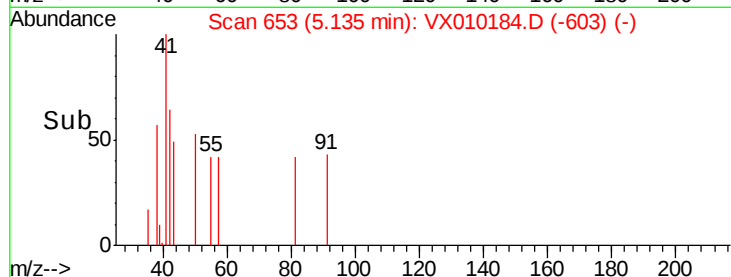
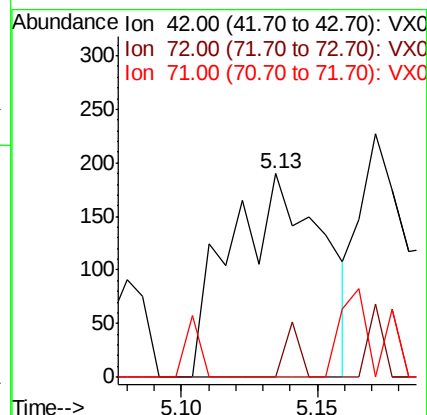
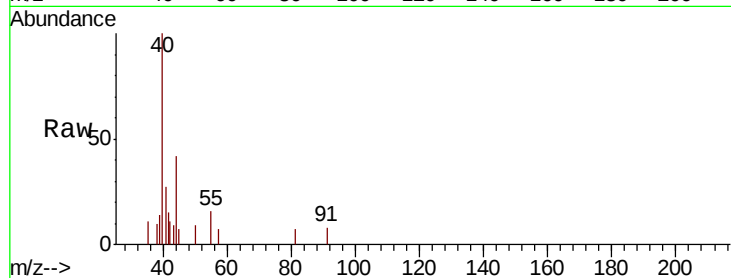
Tot Ion: 42 Resp: 446

Ion Ratio Lower Upper

42 100

72 4.3 29.2 43.8#

71 0.0 27.6 41.4#



#33

1,2-Dichloroethane-d4

Concen: 45.978 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010184.D

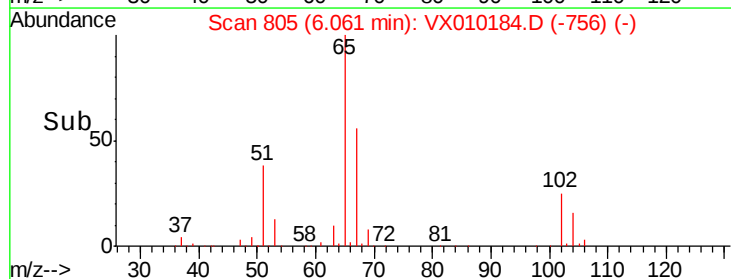
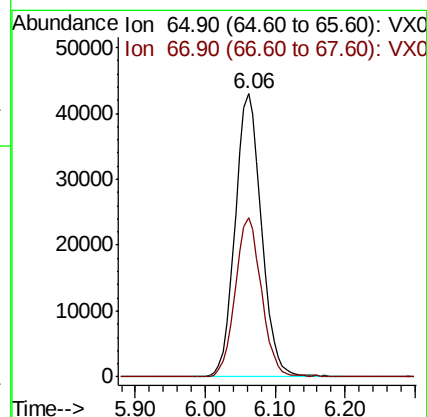
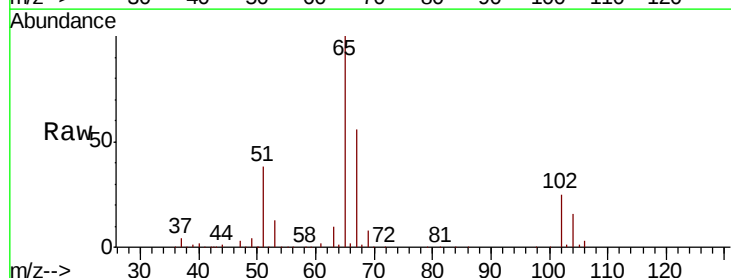
Acq: 10 Jun 2019 17:42

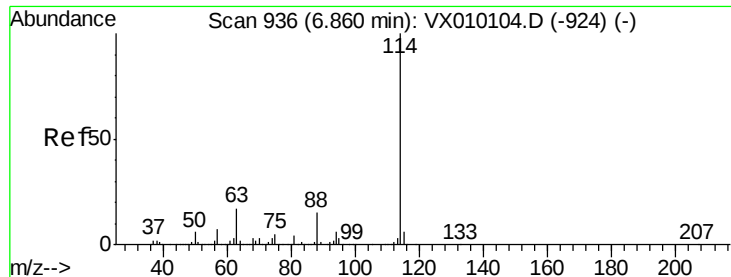
Tgt Ion: 65 Resp: 112458

Ion Ratio Lower Upper

65 100

67 55.9 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: VX010184.D

Acq: 10 Jun 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190606DL

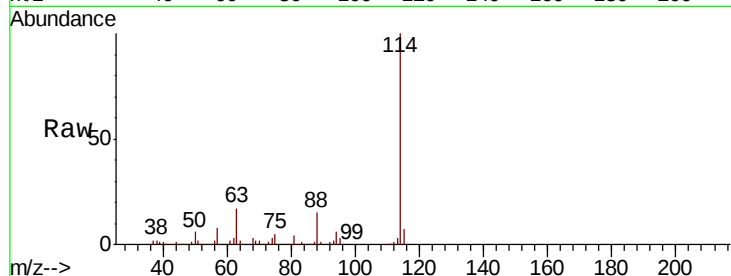
Tot Ion:114 Resp: 383166

Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

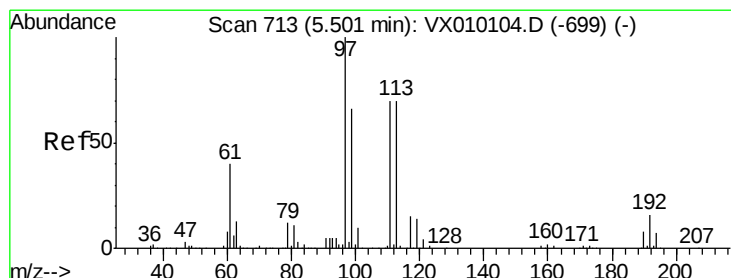
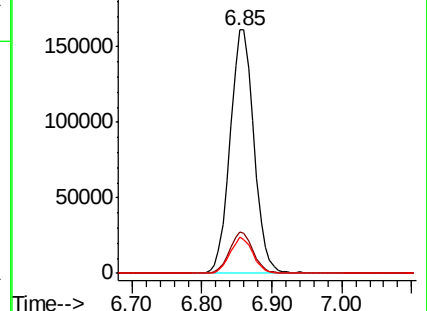
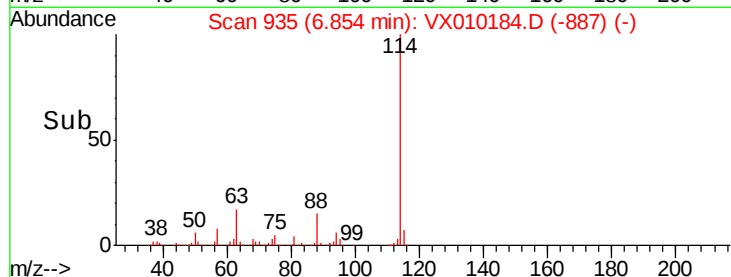
88 14.6 0.0 33.0



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: 49.054 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010184.D

Acq: 10 Jun 2019 17:42

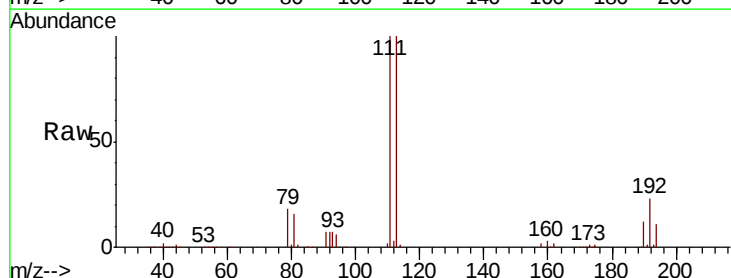
Tgt Ion:113 Resp: 115937

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

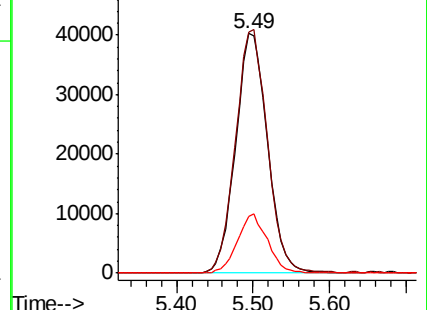
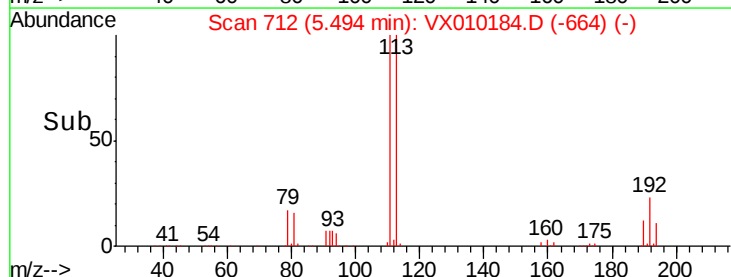
192 23.3 17.1 25.7

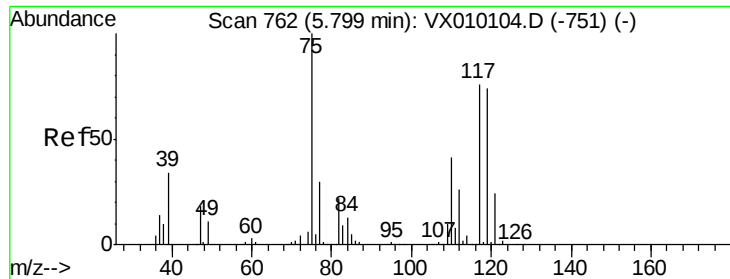


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

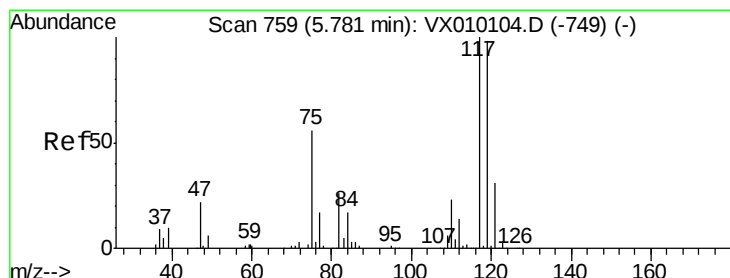
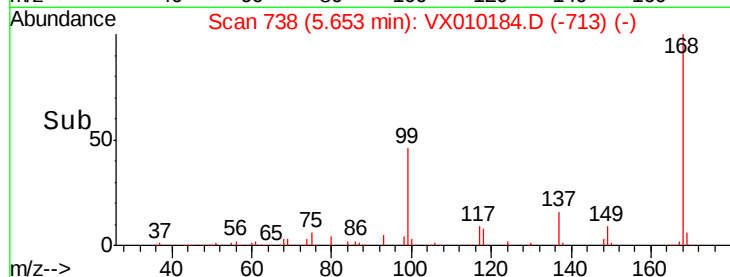
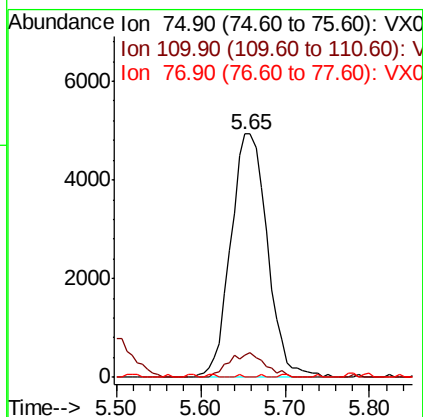
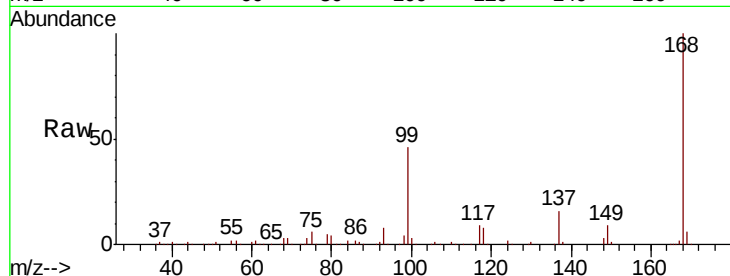




#36
 1,1-Dichloropropene
 Concen: 4.652 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010184.D
 Acq: 10 Jun 2019 17:42

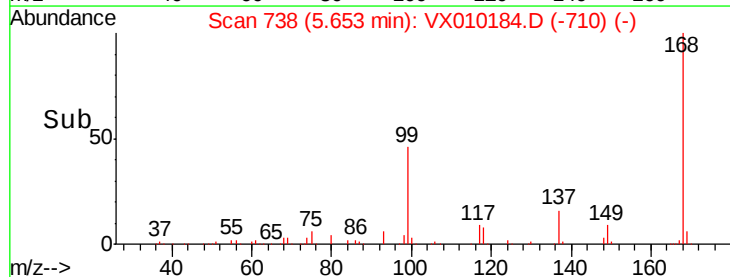
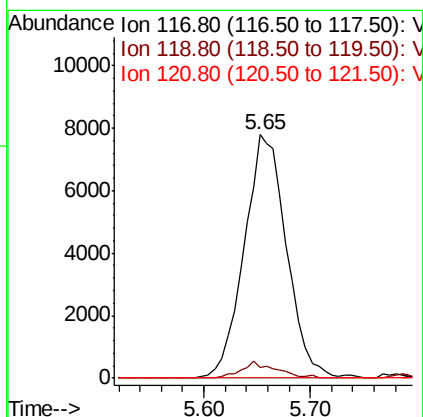
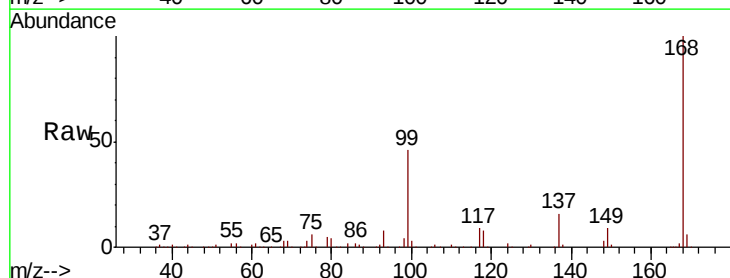
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20190606DL

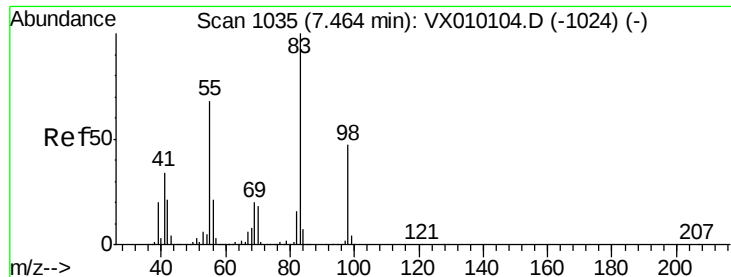
Tot Ion: 75 Resp: 14541
 Ion Ratio Lower Upper
 75 100
 110 10.0 16.7 50.1#
 77 0.1 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.128 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX010184.D
 Acq: 10 Jun 2019 17:42

Tgt Ion: 117 Resp: 21682
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.3 115.9#
 121 0.0 25.4 38.0#

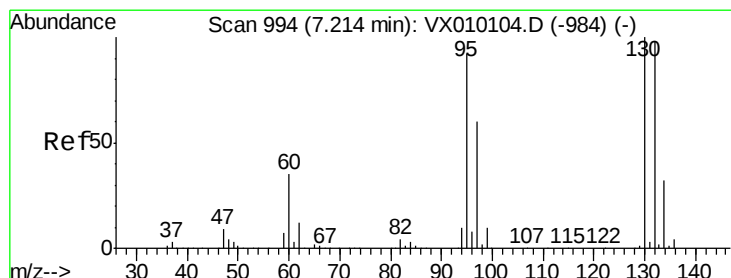
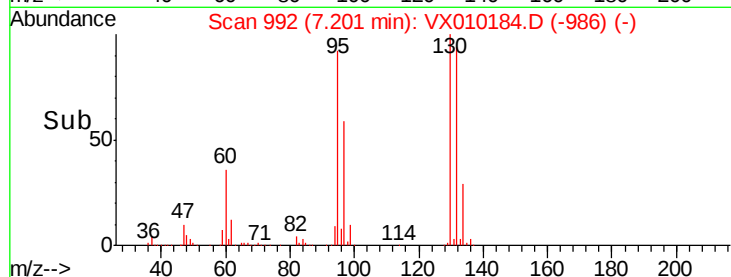
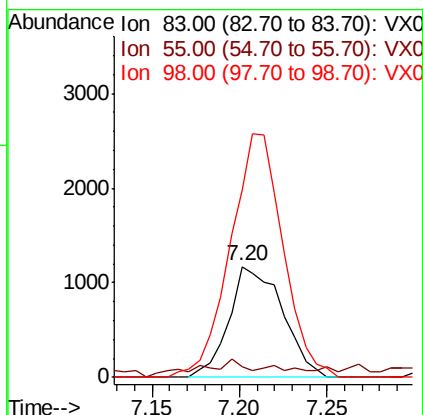
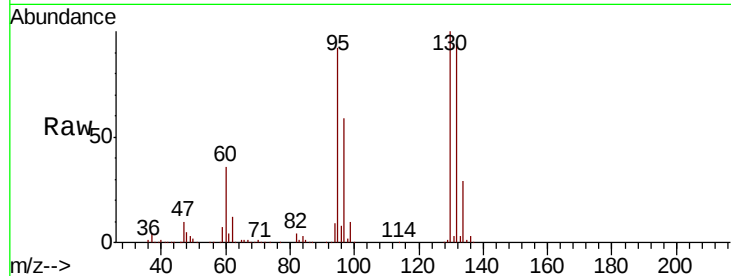




#39
Methvlcvclohexane
Concen: 0.589 ug/l
RT: 7.20 min Scan# 992
Delta R.T. -0.26 min
Lab File: VX010184.D
Acq: 10 Jun 2019 17:42

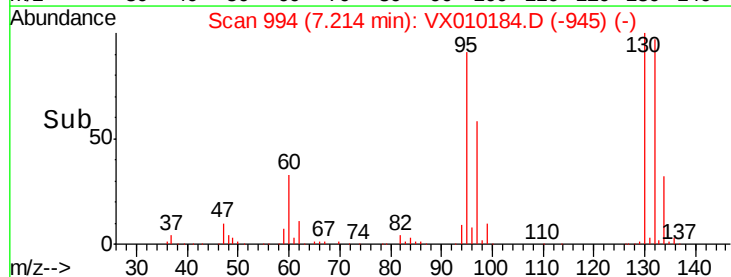
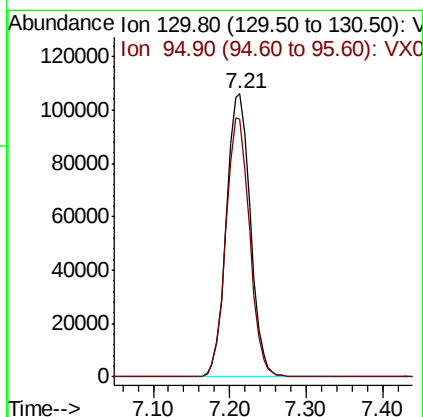
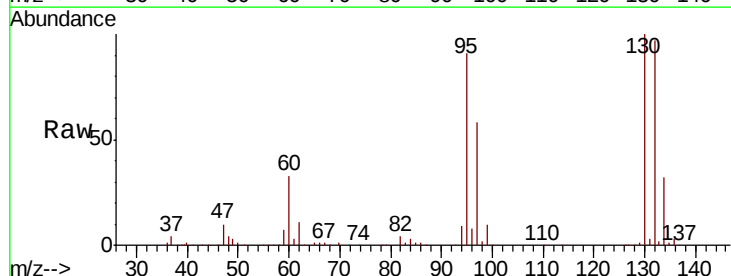
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20190606DL

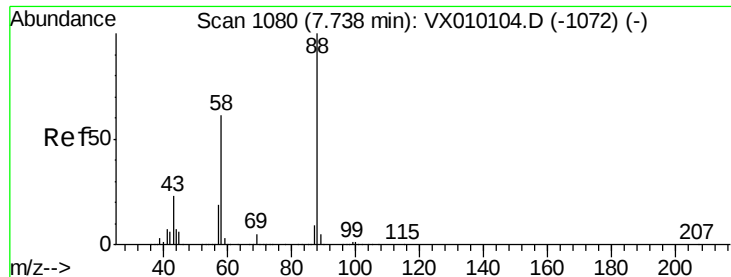
Tot Ion: 83 Resp: 2507
Ion Ratio Lower Upper
83 100
55 4.1 69.9 104.9#
98 168.3 35.1 52.7#



#44
Trichloroethene
Concen: 78.993 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010184.D
Acq: 10 Jun 2019 17:42

Tgt Ion:130 Resp: 230163
Ion Ratio Lower Upper
130 100
95 90.9 0.0 207.4

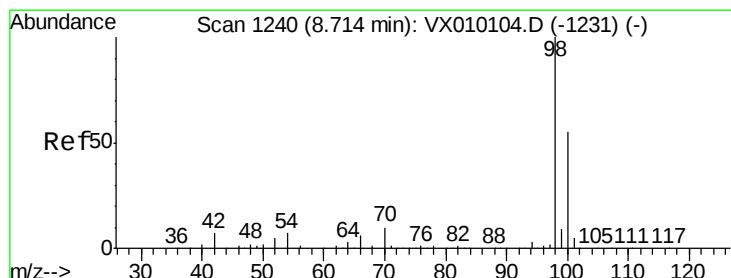
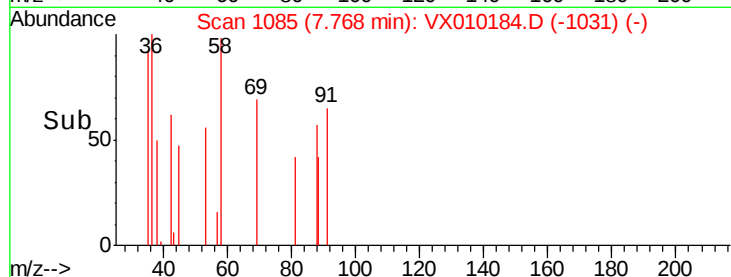
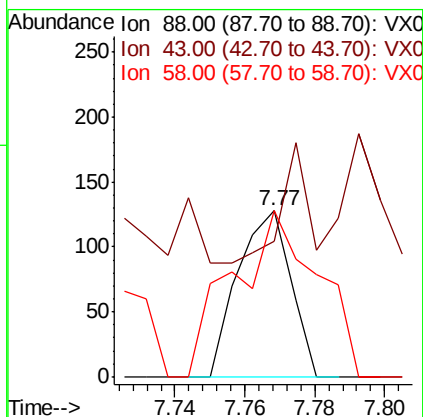
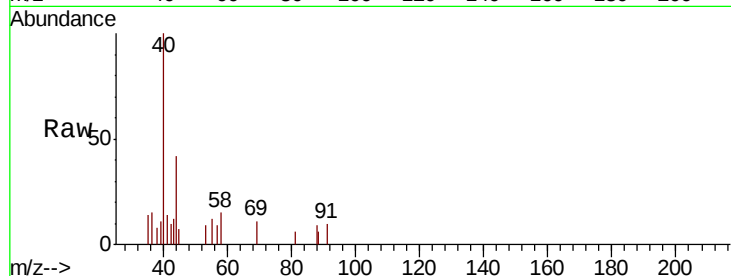




#49
1,4-Dioxane
Concen: 1.848 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VX010184.D
Acq: 10 Jun 2019 17:42

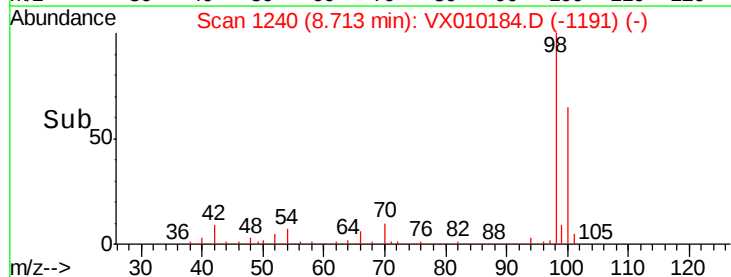
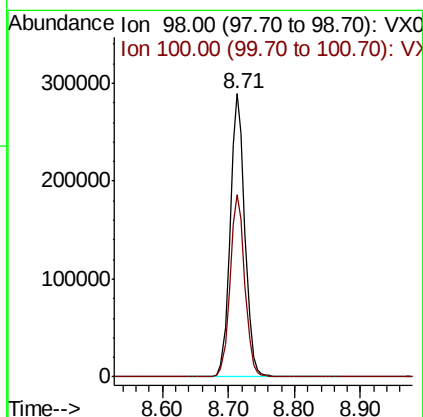
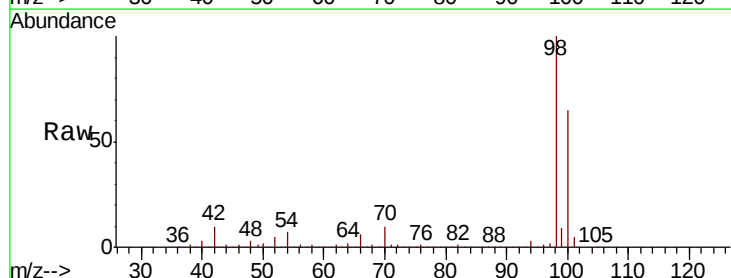
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20190606DL

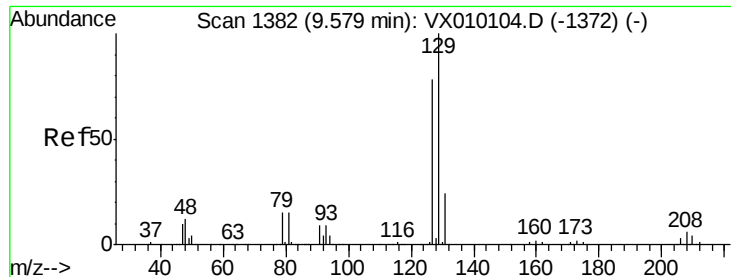
Tot Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 55.2 30.2 45.4#
58 161.2 64.0 96.0#



#50
Toluene-d8
Concen: 50.535 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010184.D
Acq: 10 Jun 2019 17:42

Tgt Ion: 98 Resp: 447633
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3





#60

Dibromochloromethane

Concen: 0.276 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010184.D

Acq: 10 Jun 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

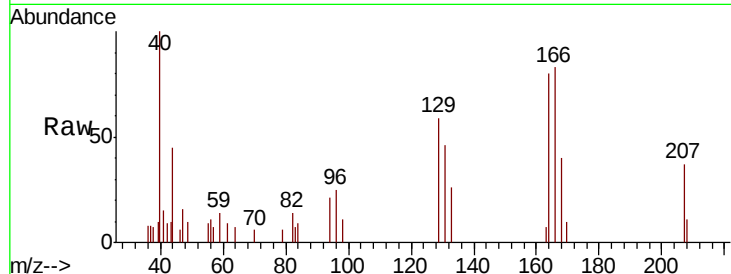
RE120D1-20190606DL

Tot Ion:129 Resp: 850

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

600

500

400

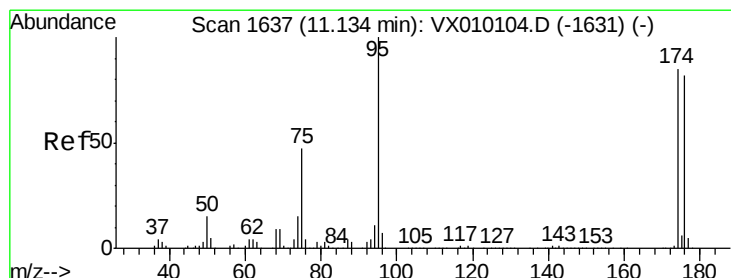
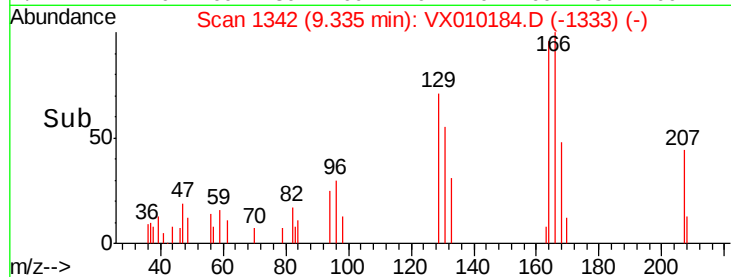
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.474 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010184.D

Acq: 10 Jun 2019 17:42

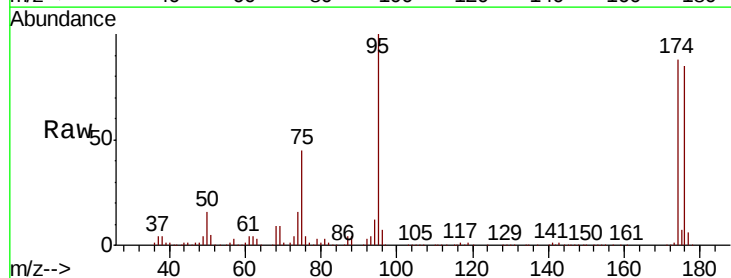
Tgt Ion: 95 Resp: 157047

Ion Ratio Lower Upper

95 100

174 93.3 0.0 160.4

176 91.0 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

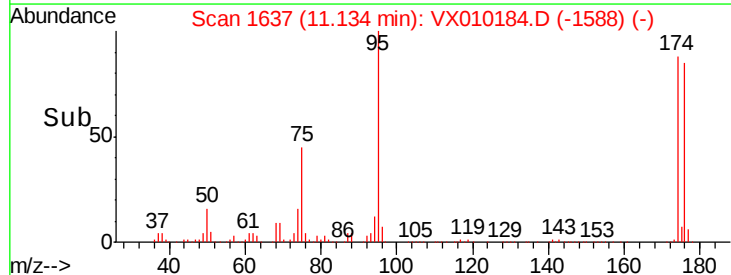
150000

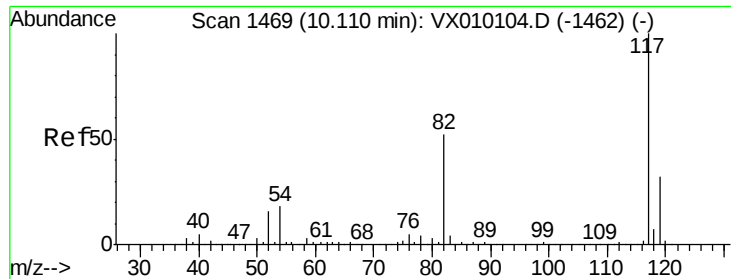
100000

50000

0

Time-->

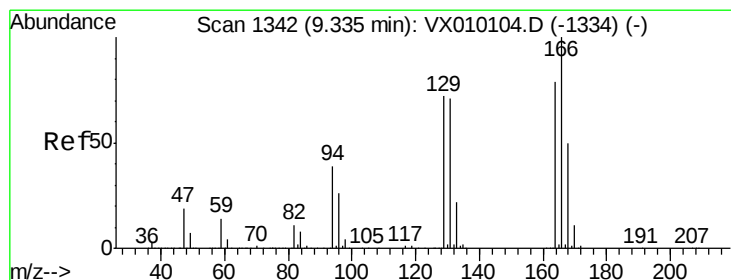
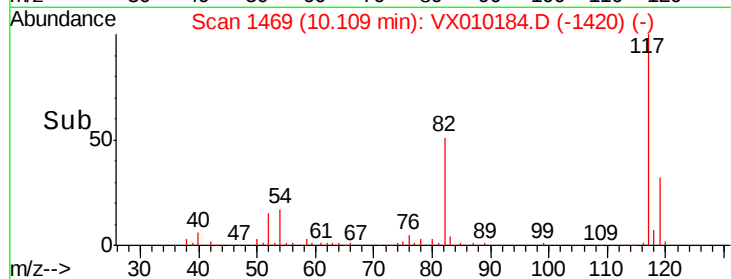
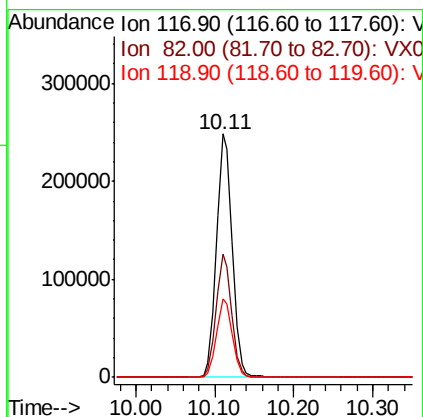
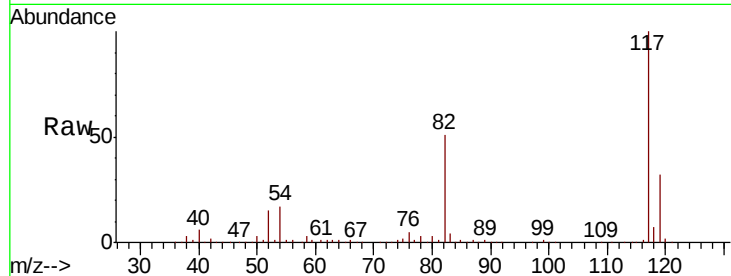




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010184.D
Acq: 10 Jun 2019 17:42

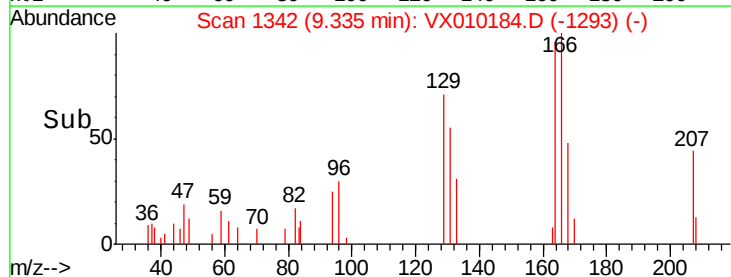
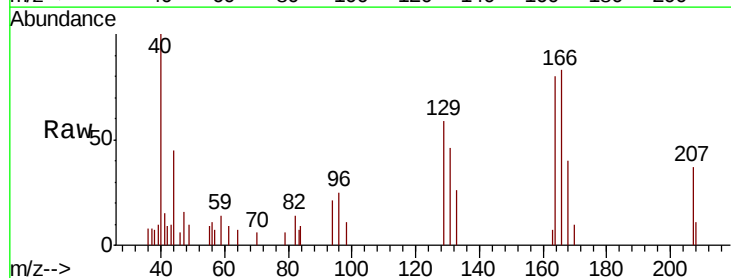
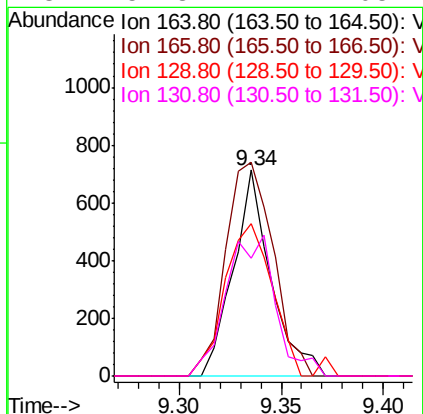
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20190606DL

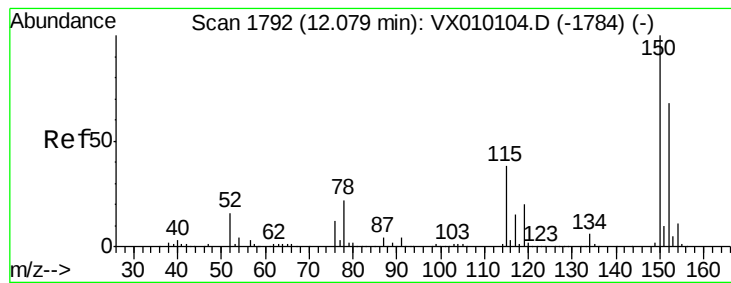
Tot Ion:117 Resp: 346690
Ion Ratio Lower Upper
117 100
82 50.7 49.2 73.8
119 32.4 25.2 37.8



#64
Tetrachloroethene
Concen: 0.356 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010184.D
Acq: 10 Jun 2019 17:42

Tgt Ion:164 Resp: 917
Ion Ratio Lower Upper
164 100
166 103.6 105.0 157.4#
129 73.8 75.1 112.7#
131 57.3 72.2 108.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010184.D

Acq: 10 Jun 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190606DL

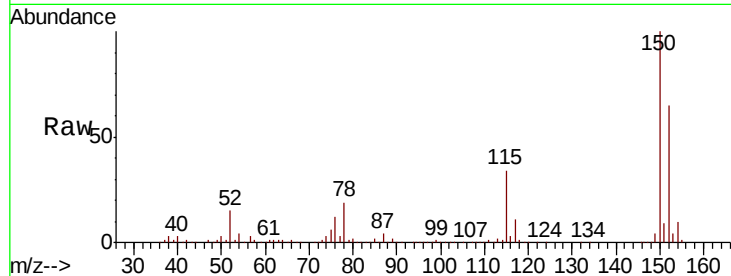
Tot Ion:152 Resp: 166480

Ion Ratio Lower Upper

152 100

115 53.9 41.4 124.2

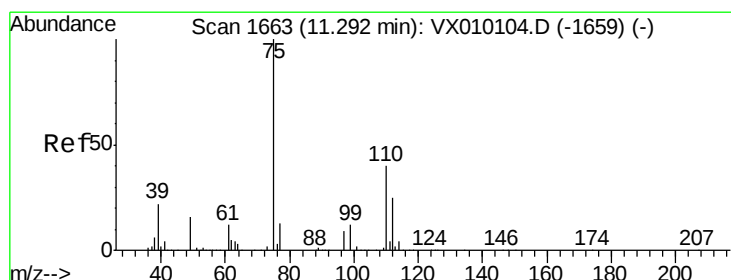
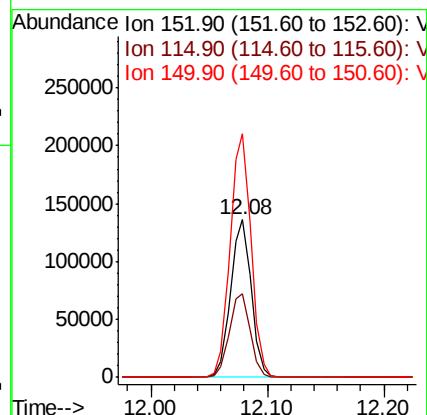
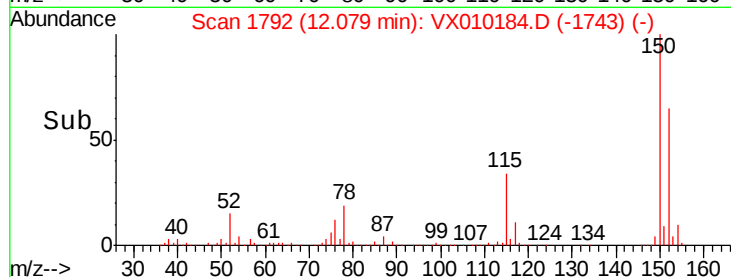
150 156.6 0.0 345.2



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: 21.110 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010184.D

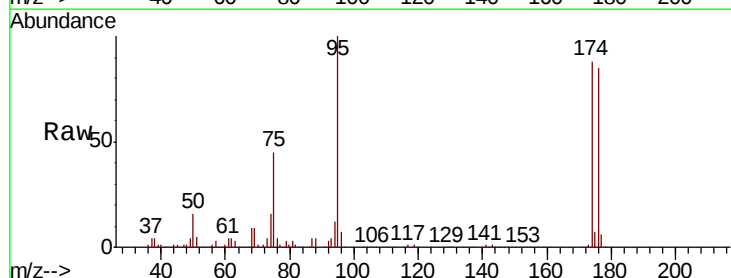
Acq: 10 Jun 2019 17:42

Tgt Ion: 75 Resp: 70296

Ion Ratio Lower Upper

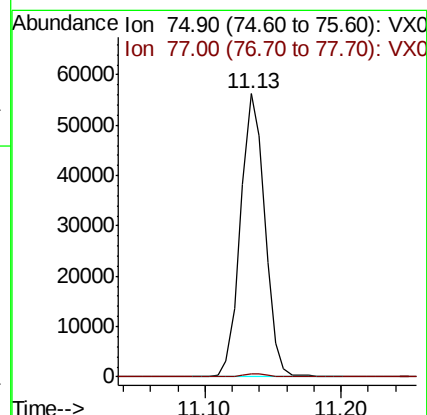
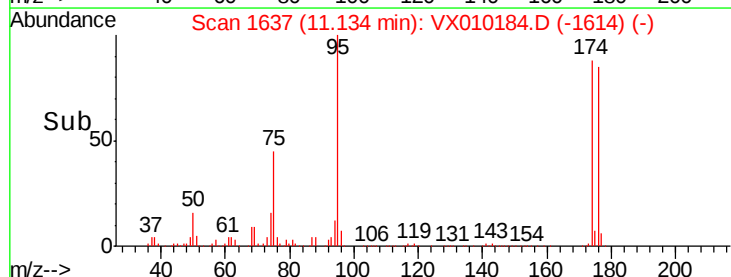
75 100

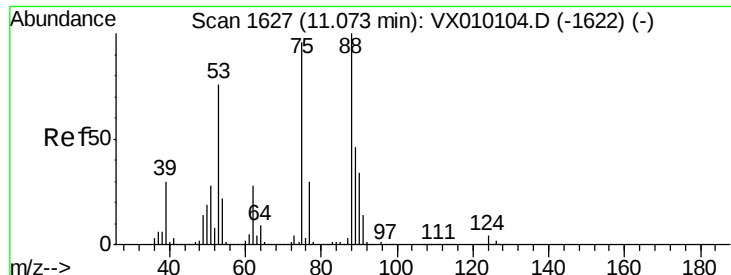
77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

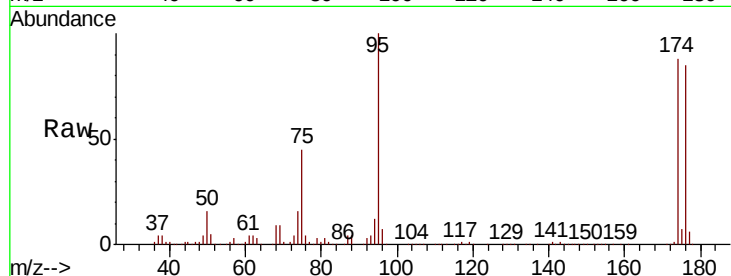




#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.642 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010184.D
 Acq: 10 Jun 2019 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20190606DL

Tot Ion: 75 Resp: 70296
 Ion Ratio Lower Upper
 75 100
 53 0.1 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

