

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010133.D
 Acq On : 08 Jun 2019 00:51
 Operator : JC/SP
 Sample : K3257-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20190606

Quant Time: Jun 08 04:40:29 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	307964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	469426	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	422746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200018	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	138201	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
35) Dibromofluoromethane	5.50	113	145175	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	8.71	98	553695	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.13	95	195522	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	

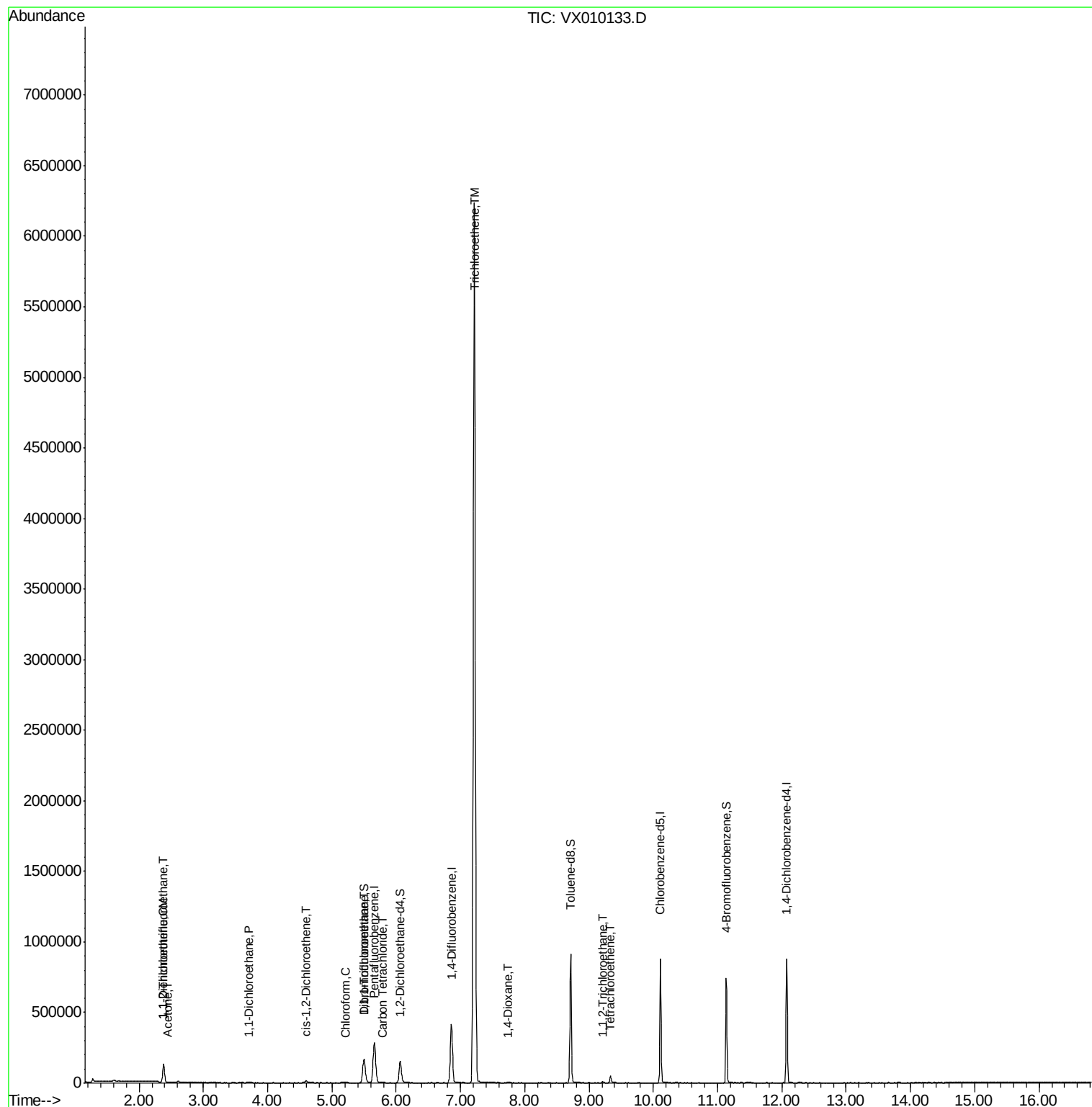
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	37212	13.740	ug/l	92
12) 1,1-Dichloroethene	2.37	96	21199	7.664	ug/l #	79
16) Acetone	2.44	43	3576	2.529	ug/l #	70
24) 1,1-Dichloroethane	3.70	63	5848	1.206	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	9701	2.849	ug/l	71
30) Chloroform	5.21	83	2948	0.586	ug/l #	82
32) 1,1,1-Trichloroethane	5.50	97	2549	0.539	ug/l #	48
38) Carbon Tetrachloride	5.79	117	1882	0.434	ug/l	84
44) Trichloroethene	7.21	130	2548853	714.031	ug/l	91
49) 1,4-Dioxane	7.74	88	2579	29.031	ug/l #	80
55) 1,1,2-Trichloroethane	9.21	97	2274	0.713	ug/l	93
64) Tetrachloroethene	9.34	164	10292	3.278	ug/l	95

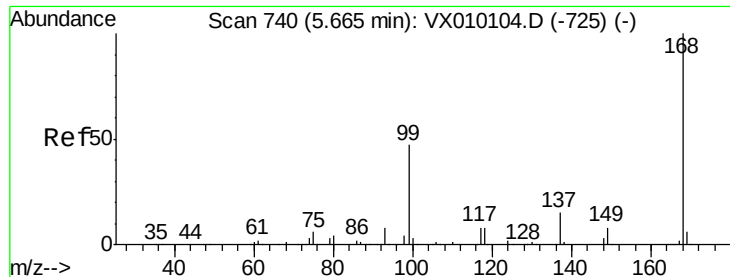
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010133.D

Acq: 08 Jun 2019 00:51

Instrument :

MSVOA_X

ClientSampleId :

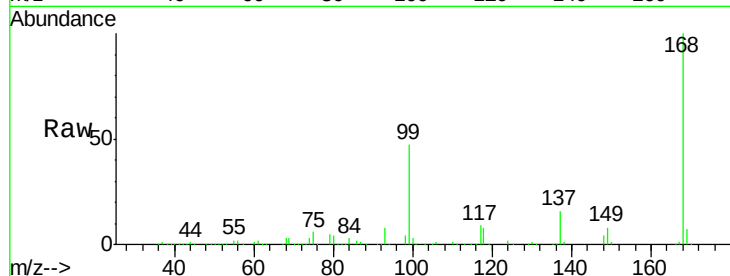
RE120D1-20190606

Tot Ion:168 Resp: 307964

Ion Ratio Lower Upper

168 100

99 46.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

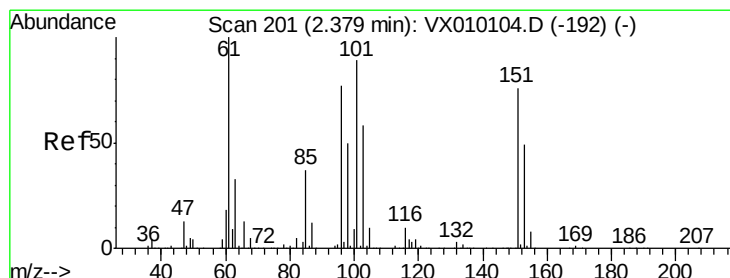
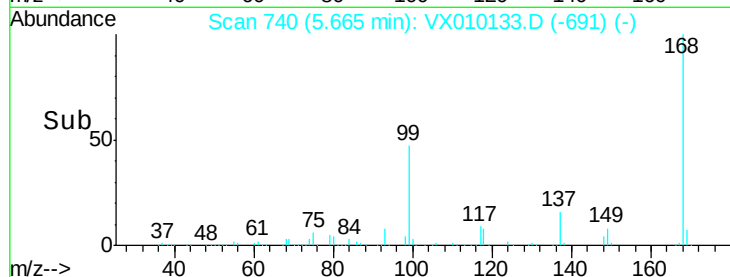
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.740 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010133.D

Acq: 08 Jun 2019 00:51

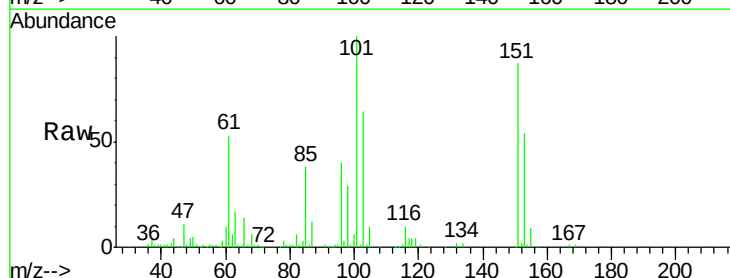
Tgt Ion:101 Resp: 37212

Ion Ratio Lower Upper

101 100

85 41.9 35.2 52.8

151 87.1 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

25000

20000

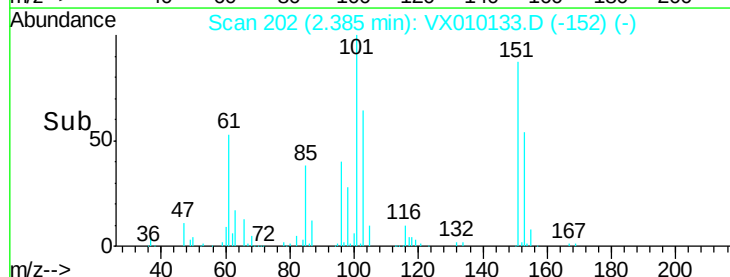
15000

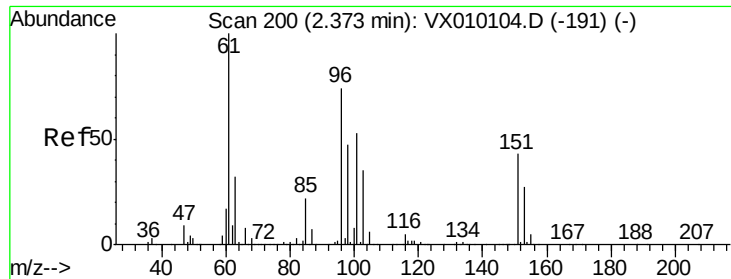
10000

5000

0

Time--> 2.30 2.35 2.40 2.45





#12

1,1-Dichloroethene

Concen: 7.664 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX010133.D

Acq: 08 Jun 2019 00:51

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190606

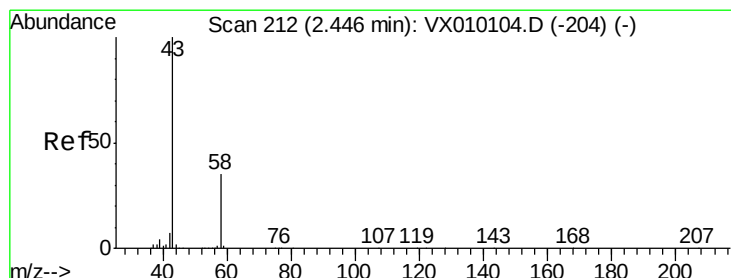
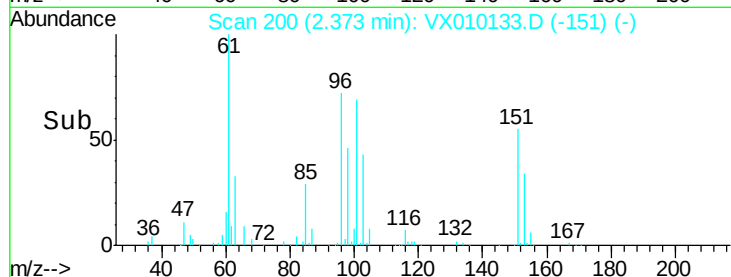
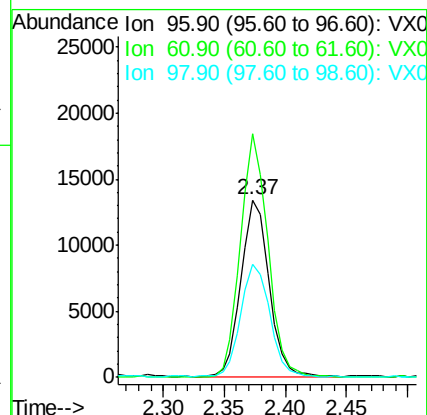
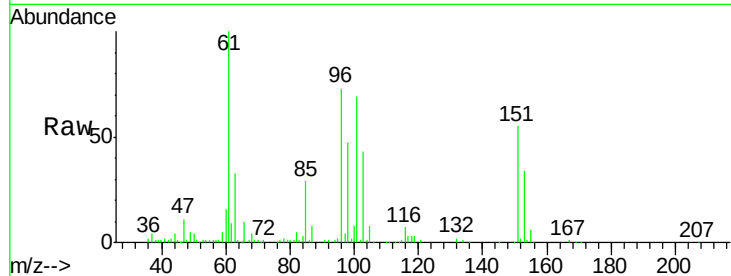
Tot Ion: 96 Resp: 21199

Ion Ratio Lower Upper

96 100

61 137.8 140.7 211.1#

98 63.8 50.1 75.1



#16

Acetone

Concen: 2.529 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010133.D

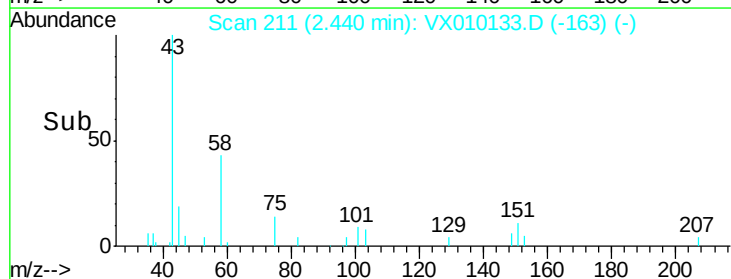
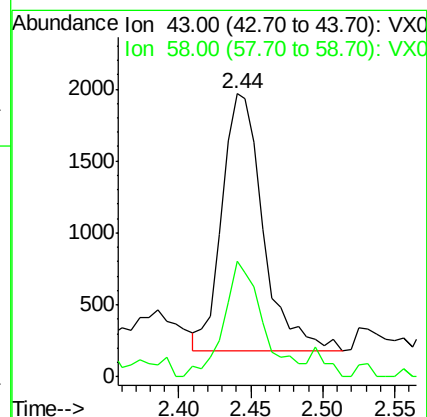
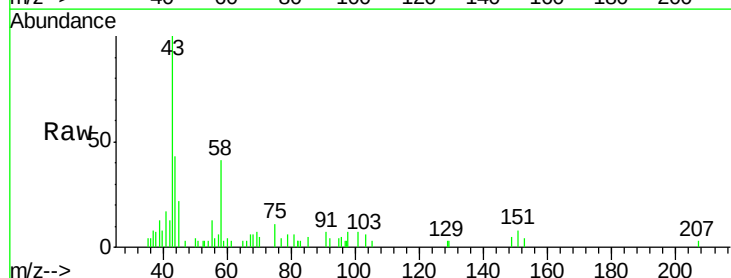
Acq: 08 Jun 2019 00:51

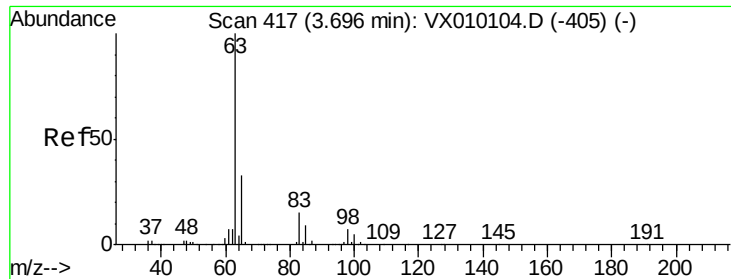
Tgt Ion: 43 Resp: 3576

Ion Ratio Lower Upper

43 100

58 44.8 23.2 34.8#





#24

1,1-Dichloroethane

Concen: 1.206 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010133.D

Acq: 08 Jun 2019 00:51

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190606

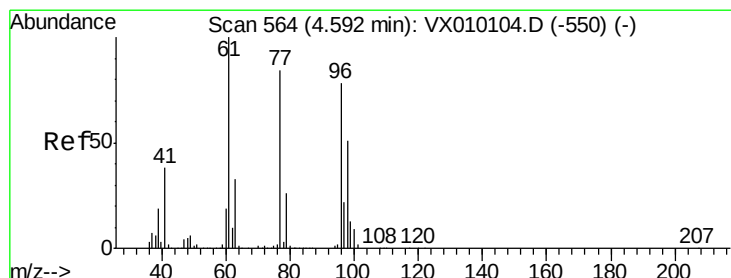
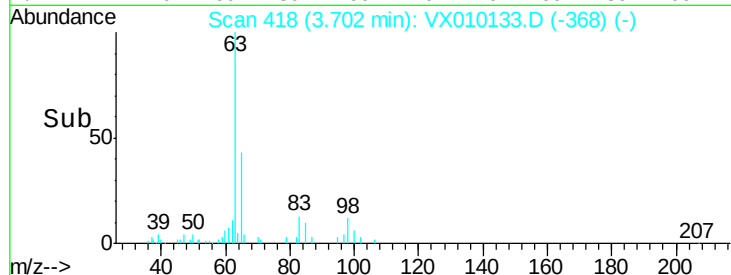
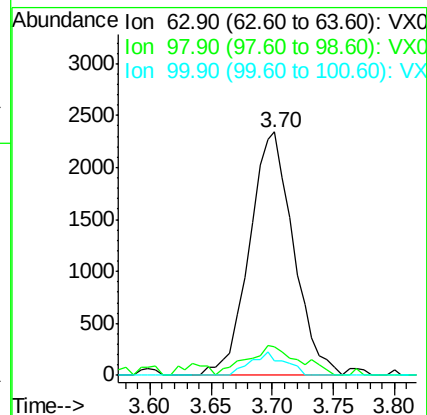
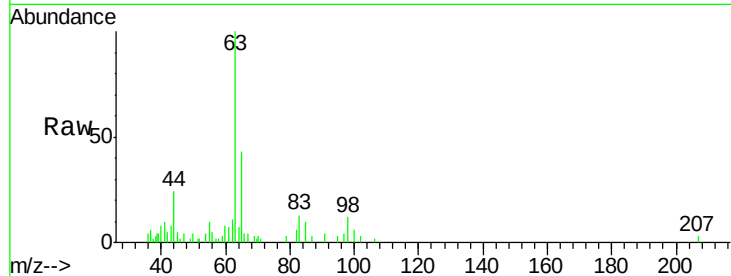
Tot Ion: 63 Resp: 5848

Ion Ratio Lower Upper

63 100

98 12.0 2.9 8.8#

100 6.0 1.8 5.4#



#27

cis-1,2-Dichloroethene

Concen: 2.849 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX010133.D

Acq: 08 Jun 2019 00:51

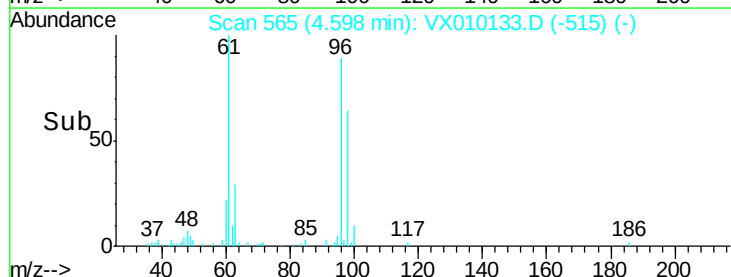
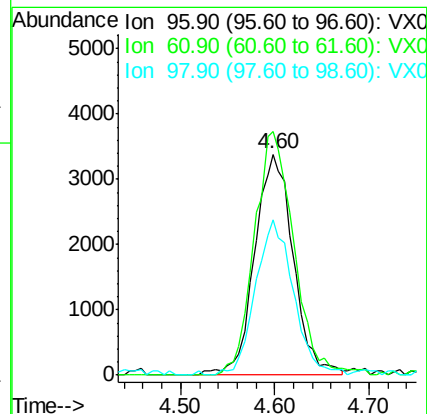
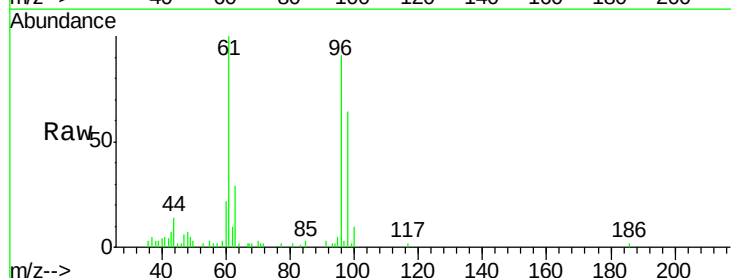
Tgt Ion: 96 Resp: 9701

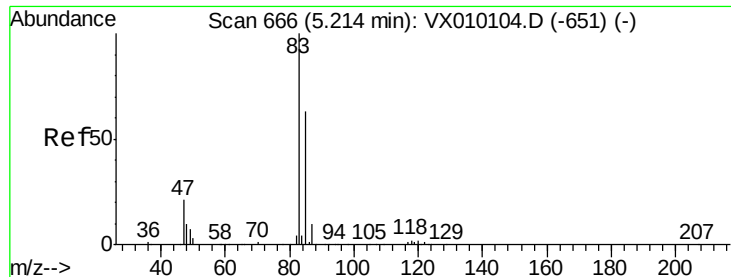
Ion Ratio Lower Upper

96 100

61 113.6 0.0 334.0

98 69.2 0.0 131.6

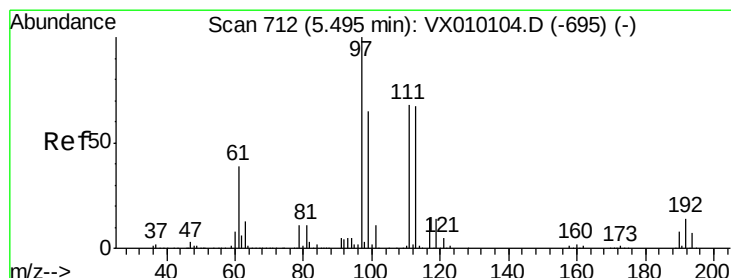
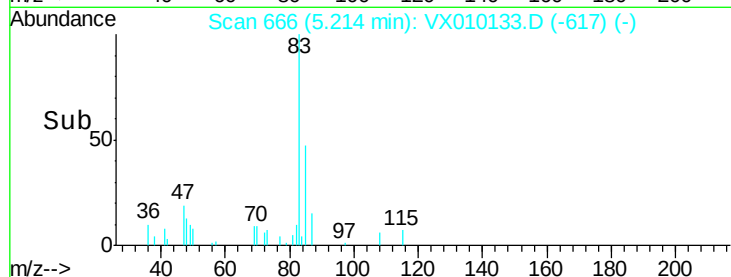
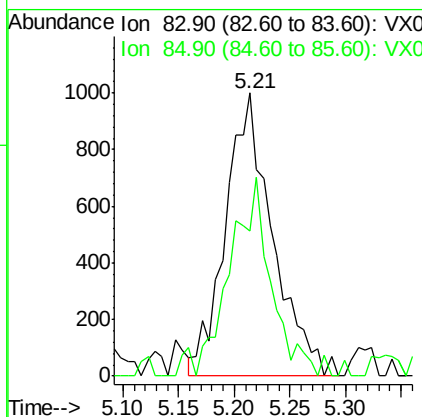
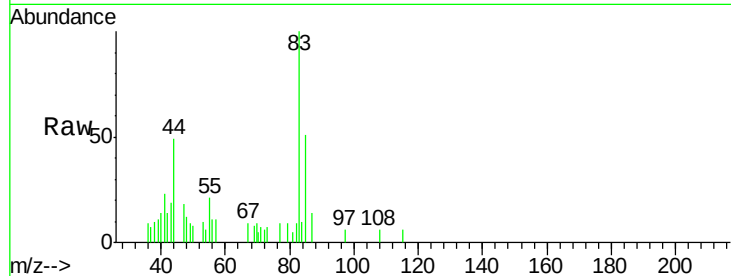




#30
Chloroform
Concen: 0.586 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX010133.D
Acq: 08 Jun 2019 00:51

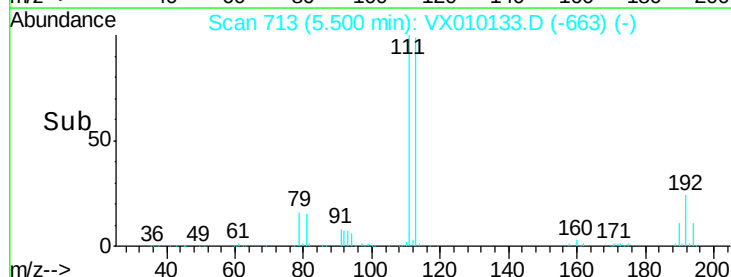
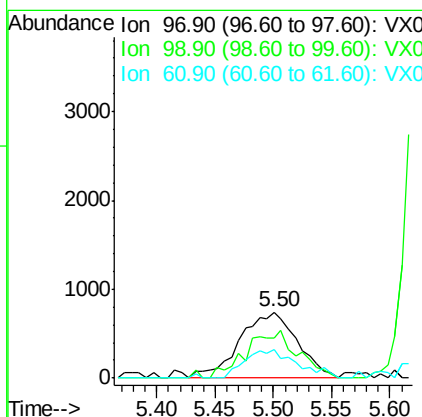
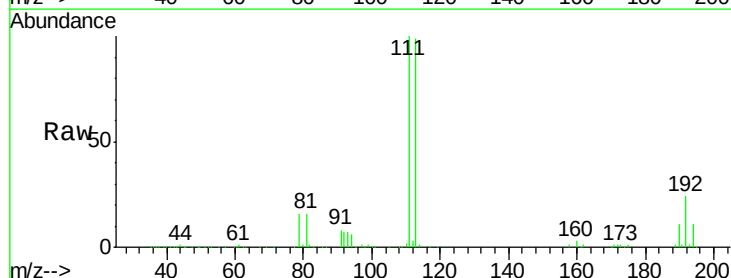
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20190606

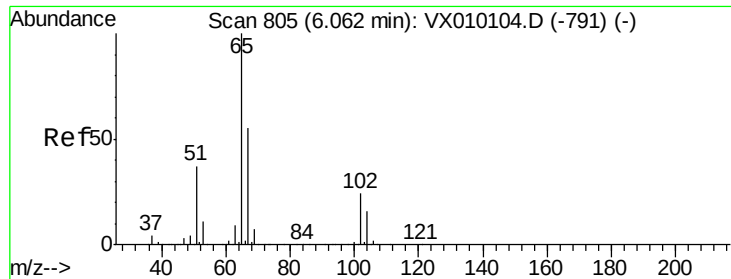
Tot Ion: 83 Resp: 2948
Ion Ratio Lower Upper
83 100
85 51.1 52.6 78.8#



#32
1,1,1-Trichloroethane
Concen: 0.539 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX010133.D
Acq: 08 Jun 2019 00:51

Tgt Ion: 97 Resp: 2549
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 39.1 38.7 58.1

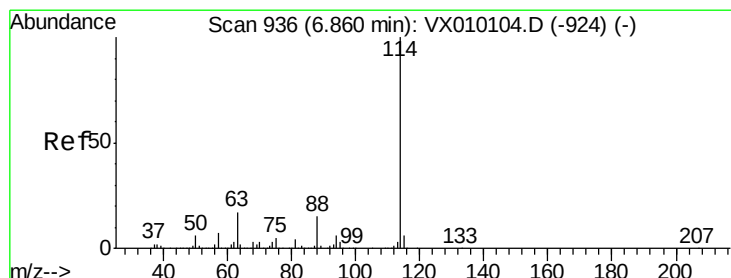
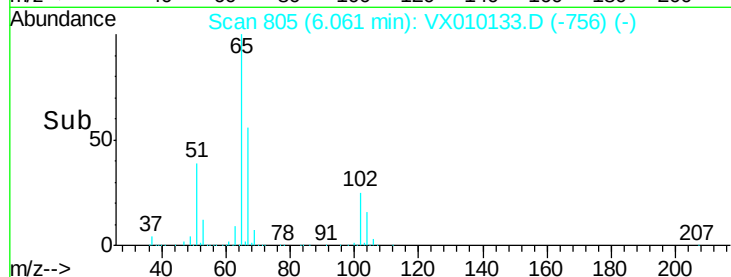
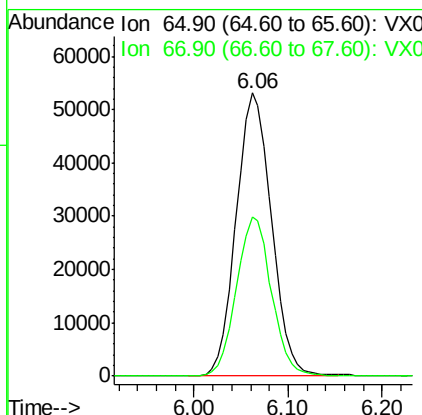
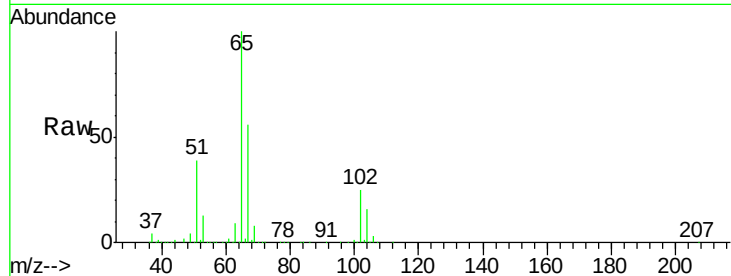




#33
 1,2-Dichloroethane-d4
 Concen: 45.974 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010133.D
 Acq: 08 Jun 2019 00:51

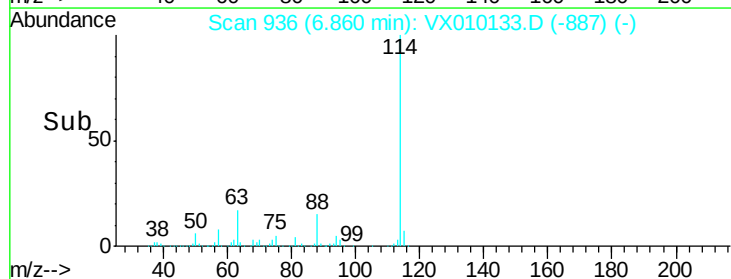
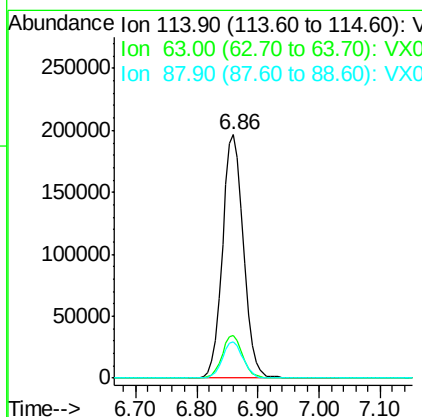
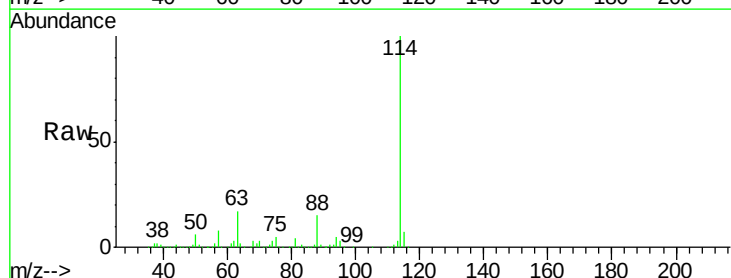
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20190606

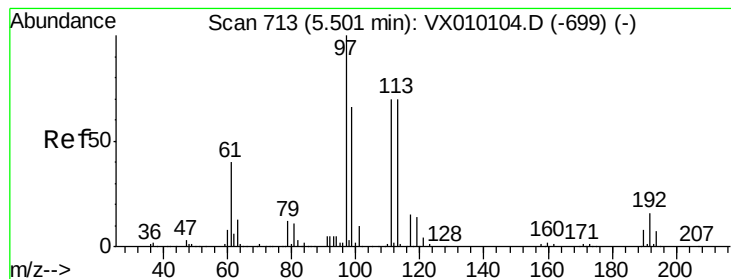
Tot Ion: 65 Resp: 138201
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010133.D
 Acq: 08 Jun 2019 00:51

Tgt Ion: 114 Resp: 469426
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 47.4
 88 15.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.138 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010133.D

Acq: 08 Jun 2019 00:51

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190606

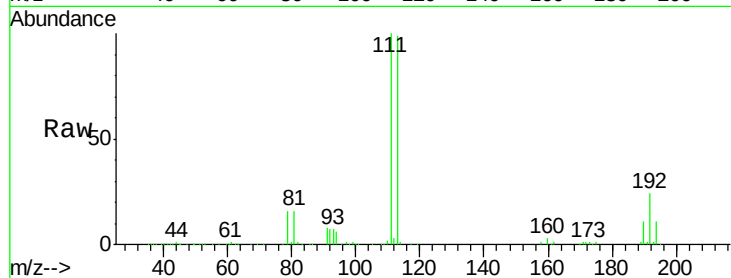
Tot Ion:113 Resp: 145175

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

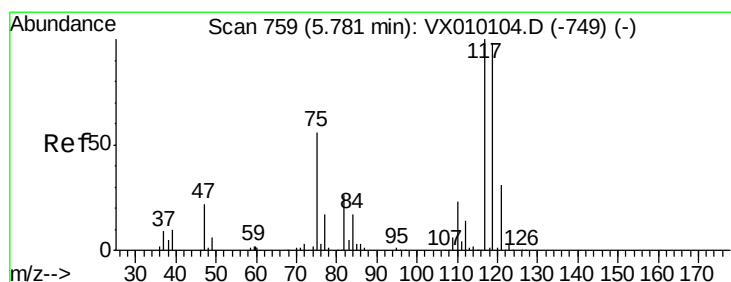
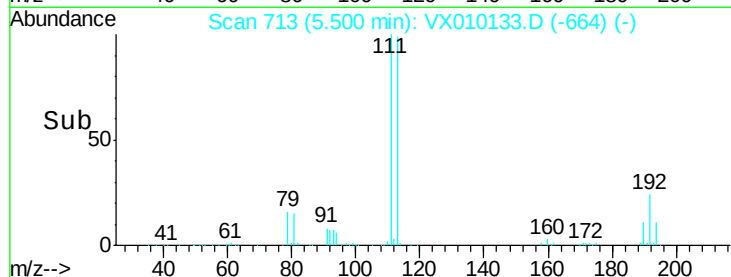
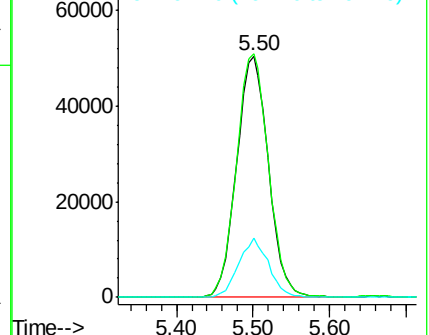
192 23.2 17.1 25.7



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



#38

Carbon Tetrachloride

Concen: 0.434 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX010133.D

Acq: 08 Jun 2019 00:51

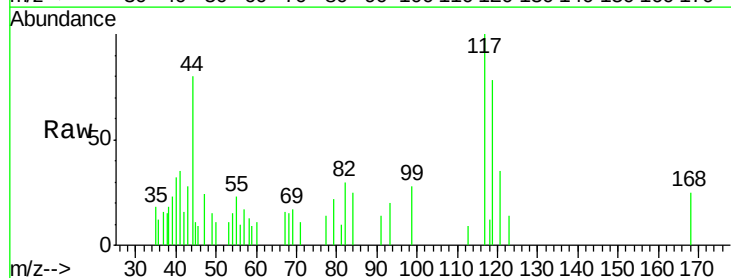
Tgt Ion:117 Resp: 1882

Ion Ratio Lower Upper

117 100

119 77.9 77.3 115.9

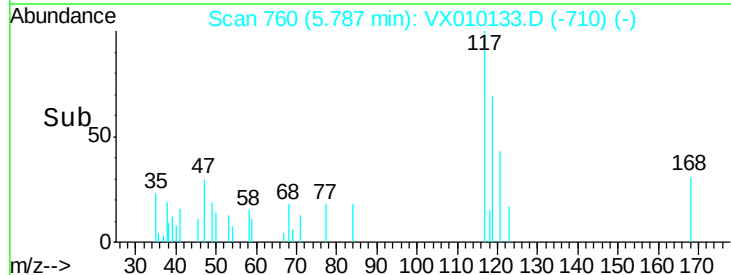
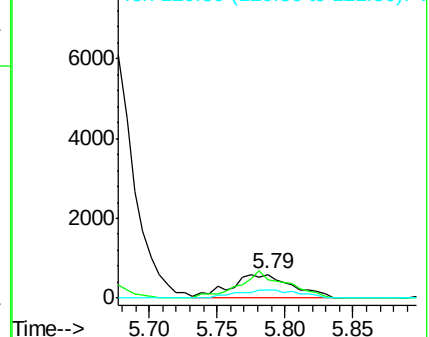
121 35.4 25.4 38.0

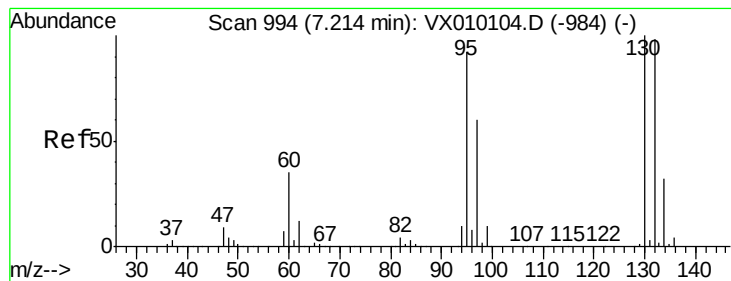


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 714.031 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010133.D

Acq: 08 Jun 2019 00:51

Instrument :

MSVOA_X

ClientSampleId :

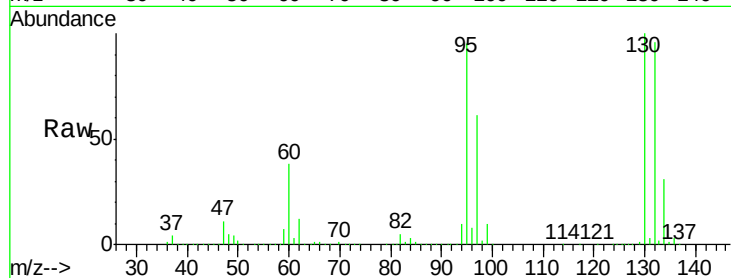
RE120D1-20190606

Tot Ion:130 Resp: 2548853

Ion Ratio Lower Upper

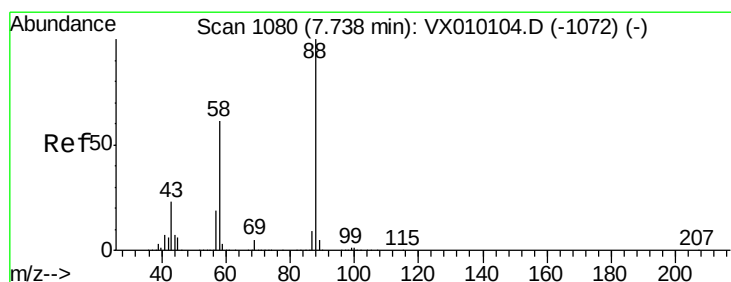
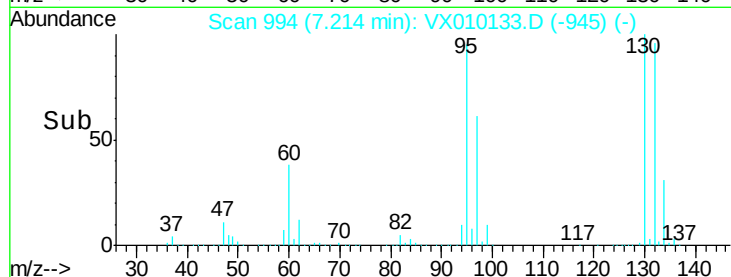
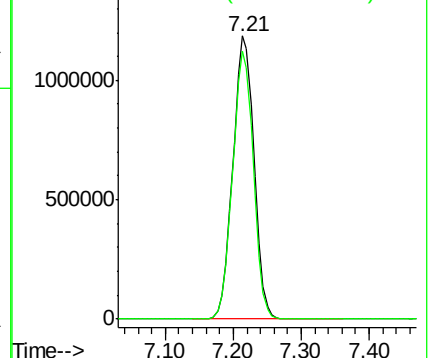
130 100

95 94.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 29.031 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010133.D

Acq: 08 Jun 2019 00:51

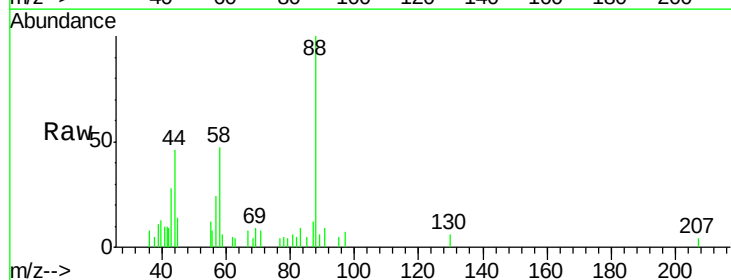
Tgt Ion: 88 Resp: 2579

Ion Ratio Lower Upper

88 100

43 23.0 30.2 45.4#

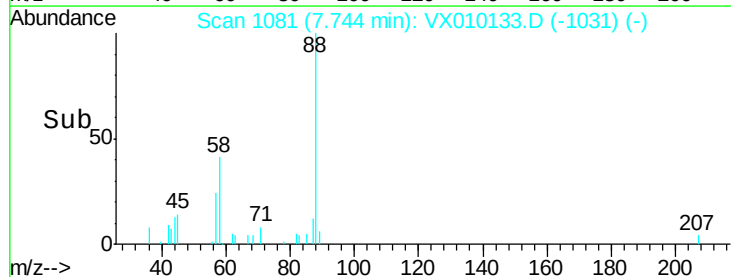
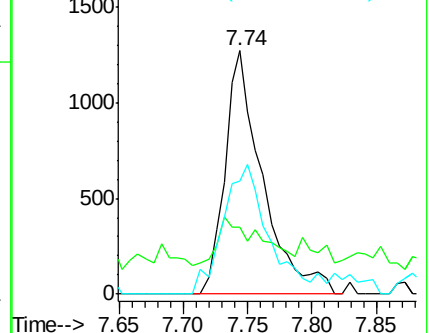
58 64.1 64.0 96.0

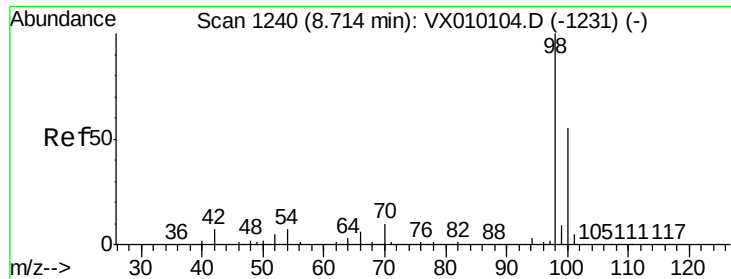


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.022 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010133.D

Acq: 08 Jun 2019 00:51

Instrument :

MSVOA_X

ClientSampleId :

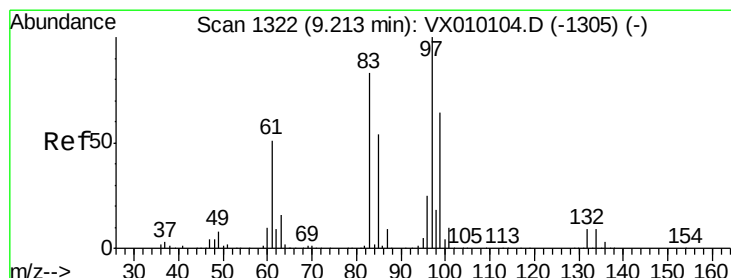
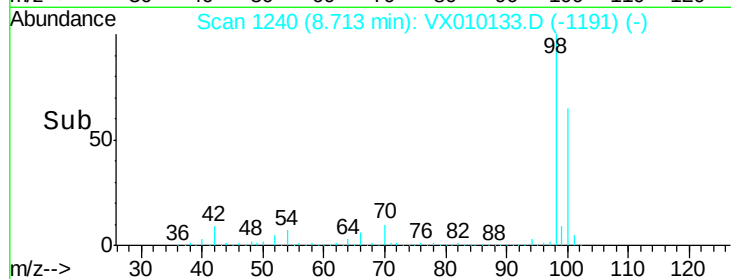
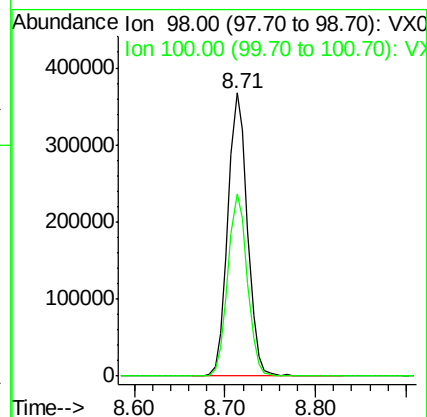
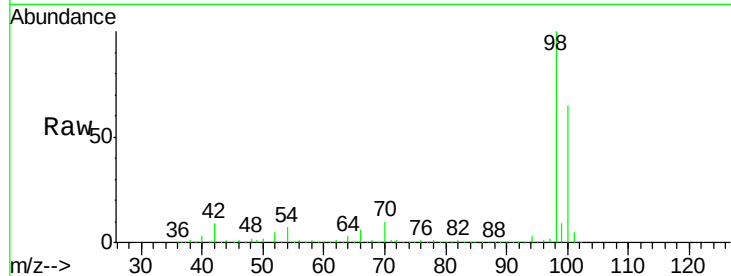
RE120D1-20190606

Tot Ion: 98 Resp: 553695

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3



#55

1,1,2-Trichloroethane

Concen: 0.713 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX010133.D

Acq: 08 Jun 2019 00:51

Tgt Ion: 97 Resp: 2274

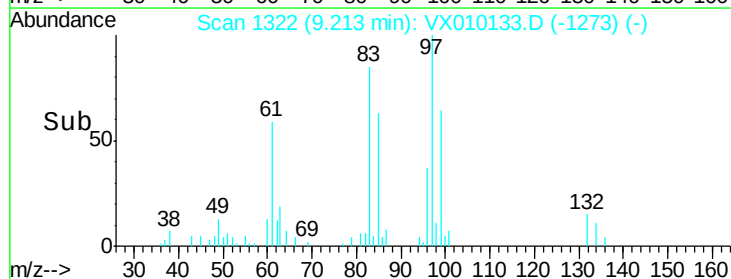
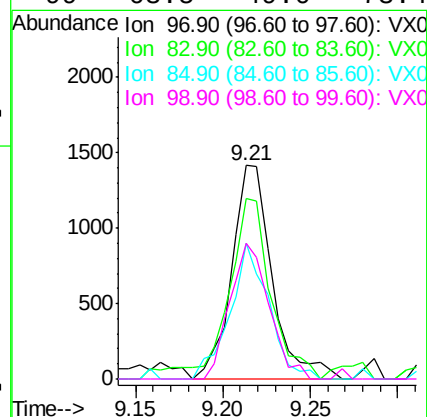
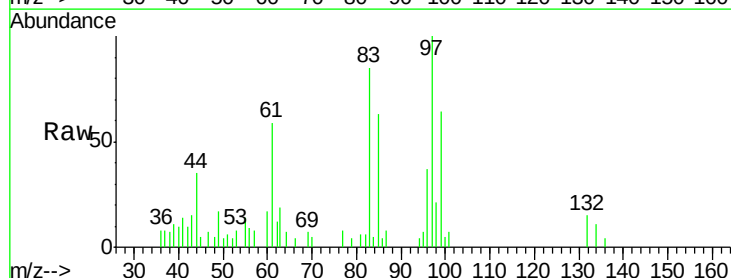
Ion Ratio Lower Upper

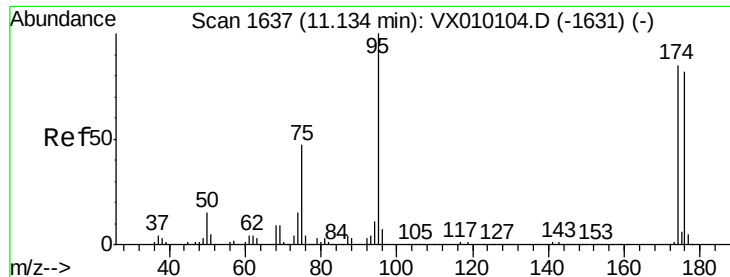
97 100

83 79.5 69.8 104.8

85 63.2 45.3 67.9

99 63.5 49.0 73.4

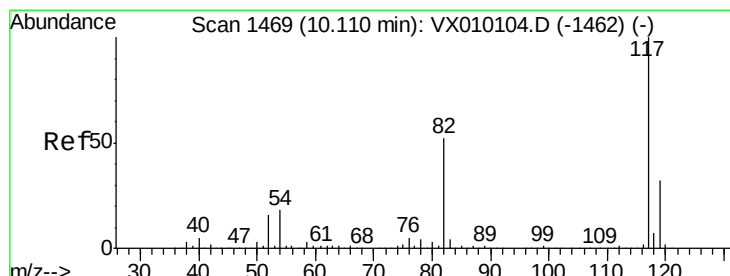
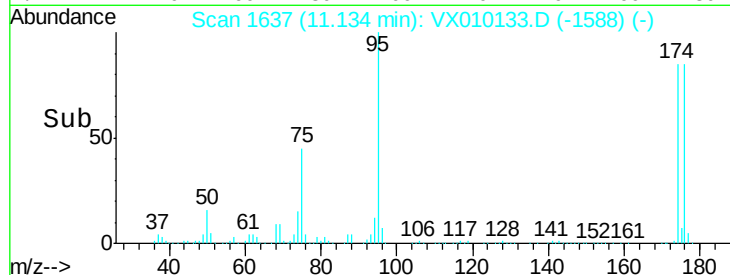
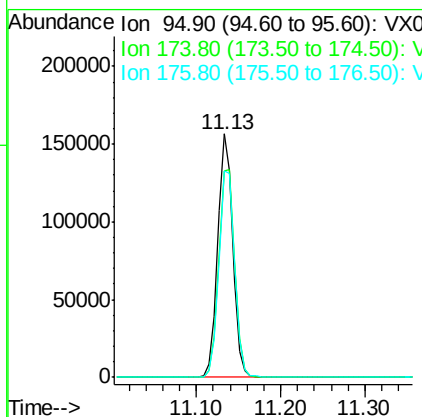
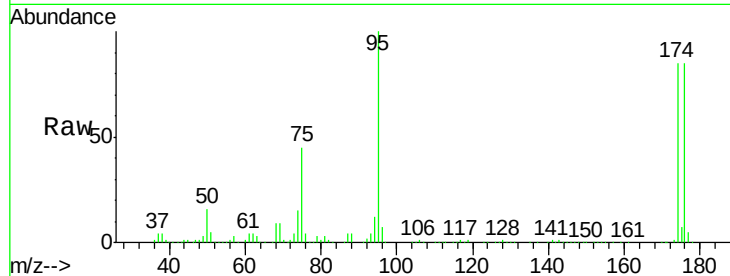




#62
4-Bromofluorobenzene
Concen: 48.244 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010133.D
Acq: 08 Jun 2019 00:51

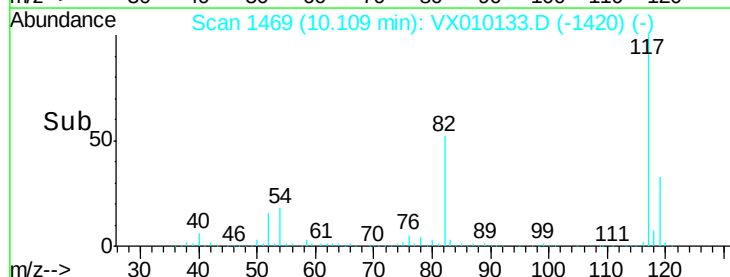
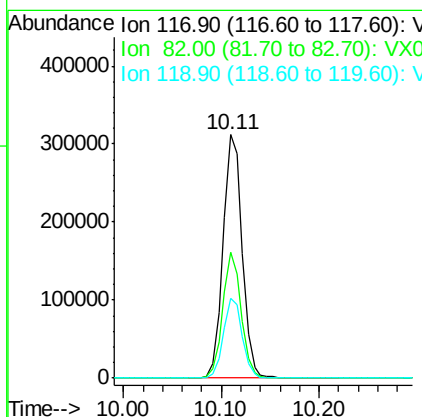
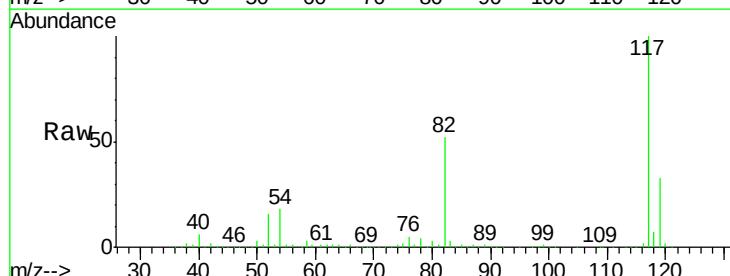
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20190606

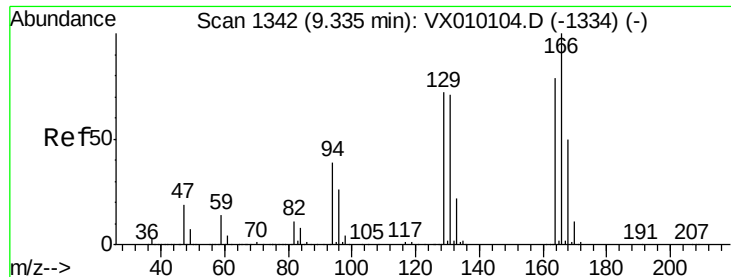
Tot Ion: 95 Resp: 195522
Ion Ratio Lower Upper
95 100
174 90.5 0.0 160.4
176 88.8 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010133.D
Acq: 08 Jun 2019 00:51

Tgt Ion: 117 Resp: 422746
Ion Ratio Lower Upper
117 100
82 51.7 49.2 73.8
119 32.5 25.2 37.8

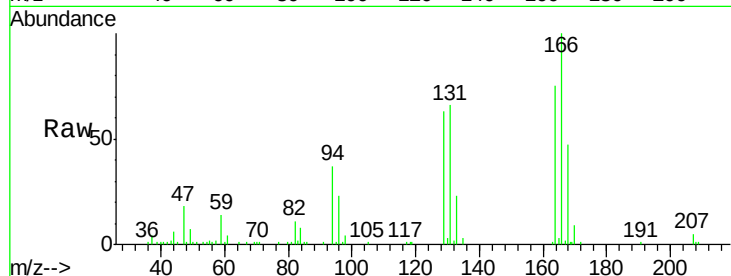




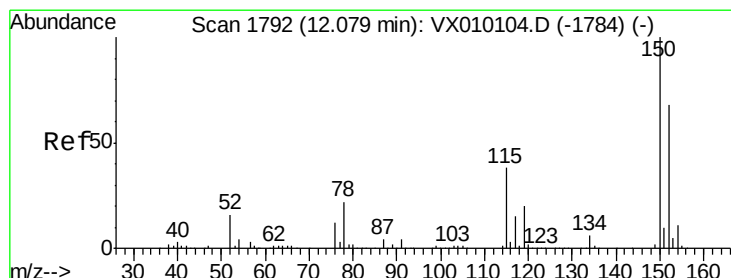
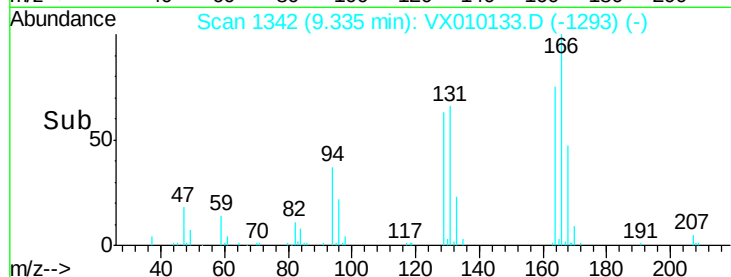
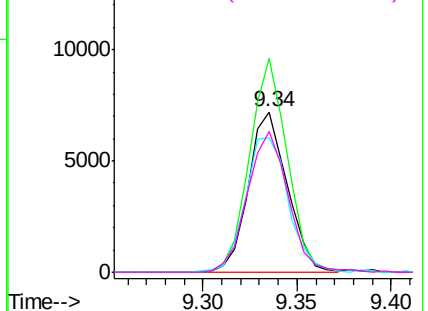
#64
Tetrachloroethene
Concen: 3.278 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010133.D
Acq: 08 Jun 2019 00:51

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20190606

Tot Ion:164 Resp: 10292
Ion Ratio Lower Upper
164 100
166 133.4 105.0 157.4
129 83.9 75.1 112.7
131 88.1 72.2 108.4

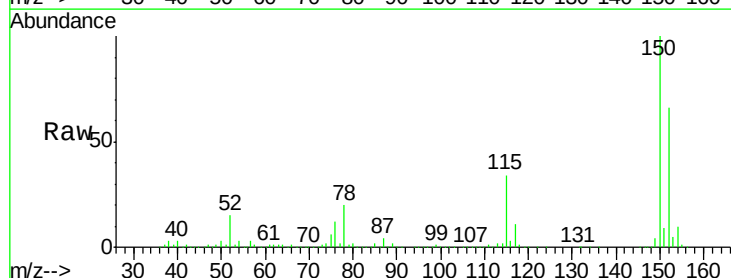


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010133.D
Acq: 08 Jun 2019 00:51

Tgt Ion:152 Resp: 200018
Ion Ratio Lower Upper
152 100
115 53.8 41.4 124.2
150 156.3 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

