

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010134.D
 Acq On : 08 Jun 2019 01:14
 Operator : JC/SP
 Sample : K3257-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20190606

Quant Time: Jun 08 04:43:09 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	311066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	476162	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	428205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202001	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	141552	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	5.50	113	146293	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	8.71	98	558849	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.13	95	197333	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

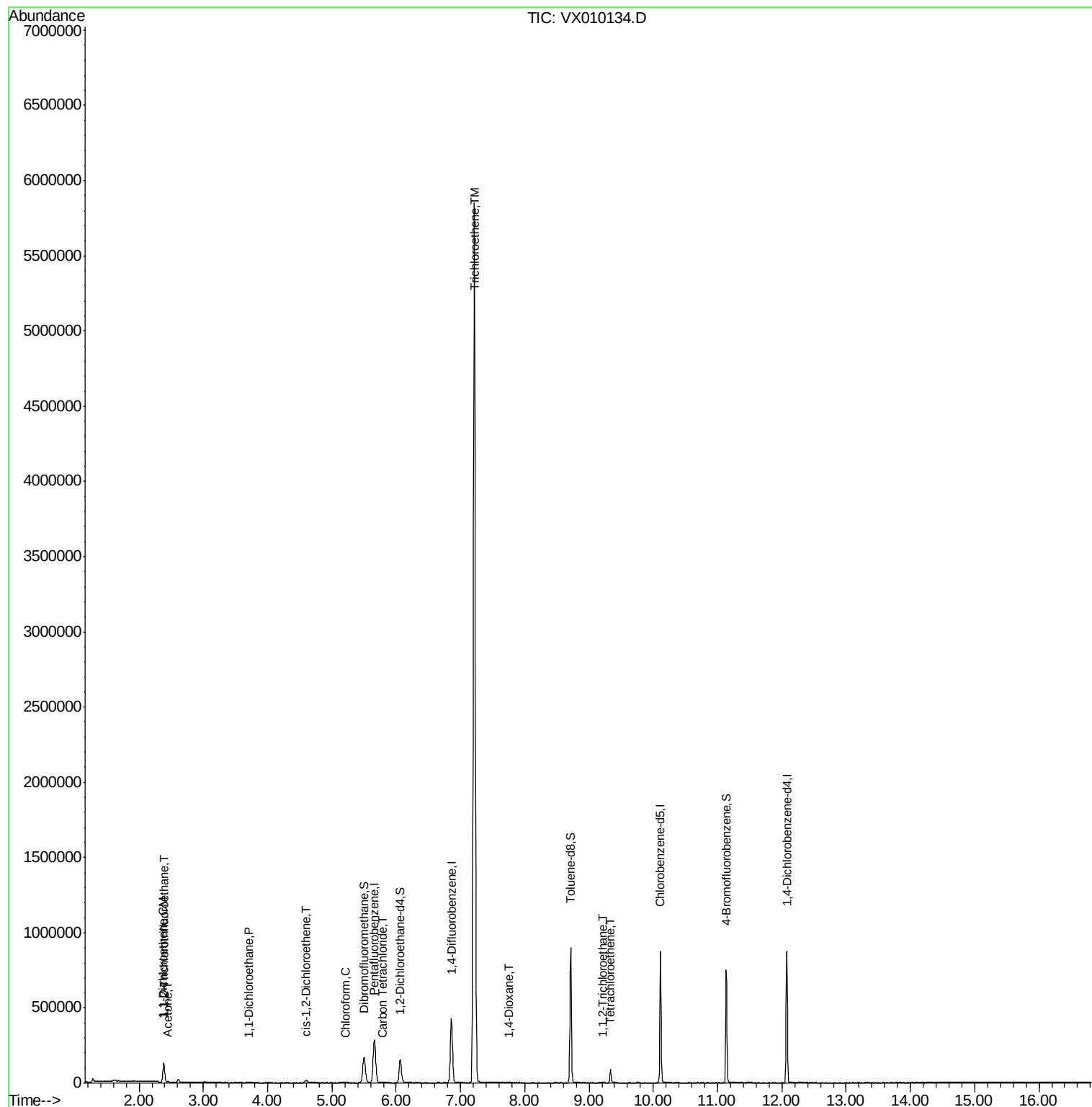
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47761	17.459	ug/l	92
12) 1,1-Dichloroethene	2.37	96	9963	3.566	ug/l #	79
16) Acetone	2.44	43	4410	3.088	ug/l	91
24) 1,1-Dichloroethane	3.70	63	3835	0.783	ug/l #	92
27) cis-1,2-Dichloroethene	4.59	96	10673	3.103	ug/l	68
30) Chloroform	5.21	83	3185	0.626	ug/l	91
38) Carbon Tetrachloride	5.78	117	2591	0.589	ug/l #	77
44) Trichloroethene	7.21	130	2374343	655.735	ug/l	90
49) 1,4-Dioxane	7.76	88	1923	21.340	ug/l	88
55) 1,1,2-Trichloroethane	9.21	97	1760	0.544	ug/l	91
64) Tetrachloroethene	9.34	164	18468	5.807	ug/l	96

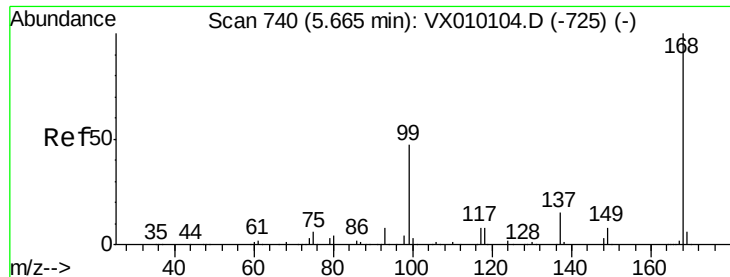
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010134.D

Acq: 08 Jun 2019 01:14

Instrument :

MSVOA_X

ClientSampleId :

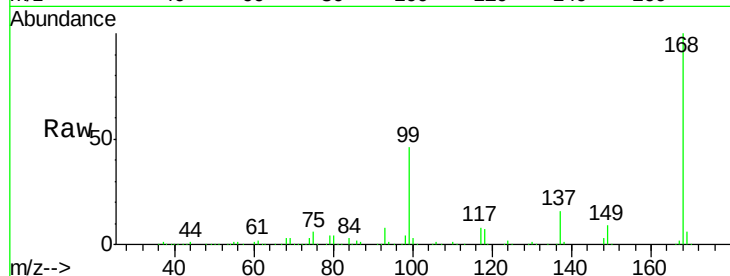
RE120D2-20190606

Tot Ion:168 Resp: 311066

Ion Ratio Lower Upper

168 100

99 46.4 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

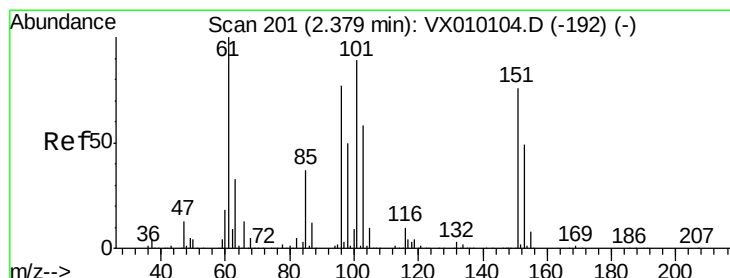
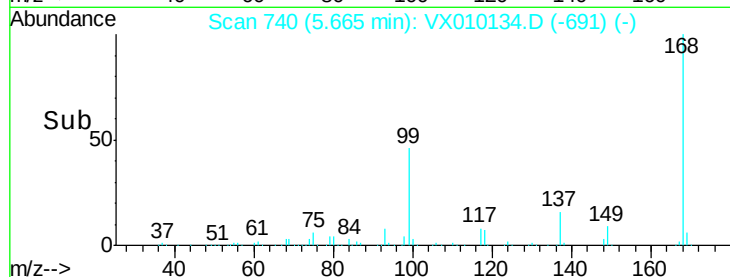
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.459 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010134.D

Acq: 08 Jun 2019 01:14

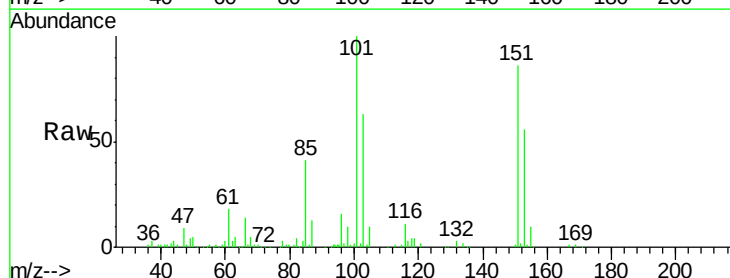
Tgt Ion:101 Resp: 47761

Ion Ratio Lower Upper

101 100

85 41.7 35.2 52.8

151 86.5 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

2.39

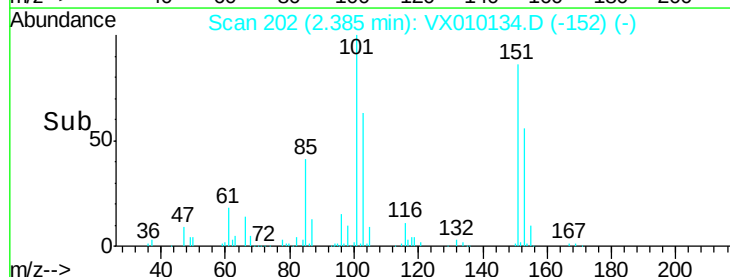
30000

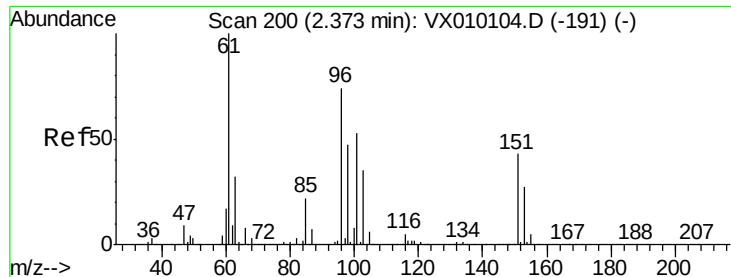
20000

10000

0

Time--> 2.30 2.40 2.50





#12

1,1-Dichloroethene

Concen: 3.566 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX010134.D

Acq: 08 Jun 2019 01:14

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190606

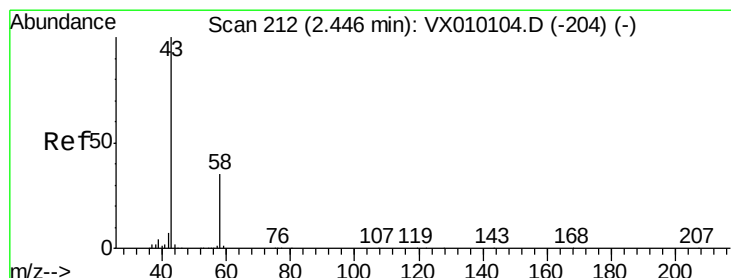
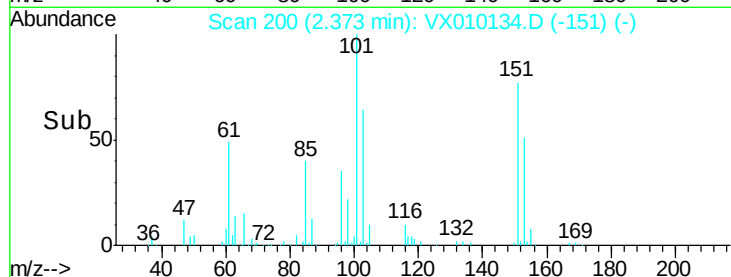
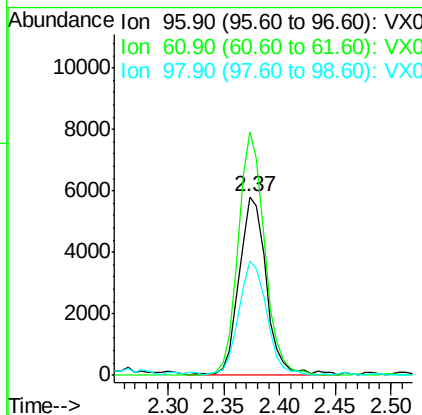
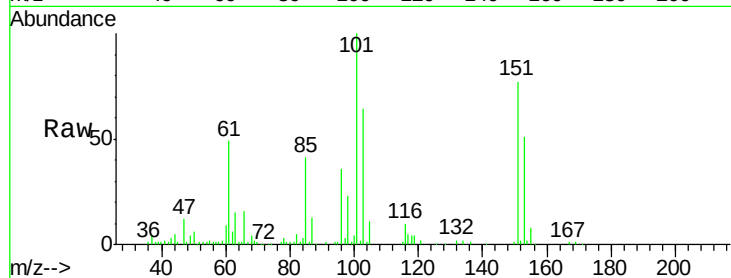
Tot Ion: 96 Resp: 9963

Ion Ratio Lower Upper

96 100

61 136.3 140.7 211.1#

98 63.1 50.1 75.1



#16

Acetone

Concen: 3.088 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010134.D

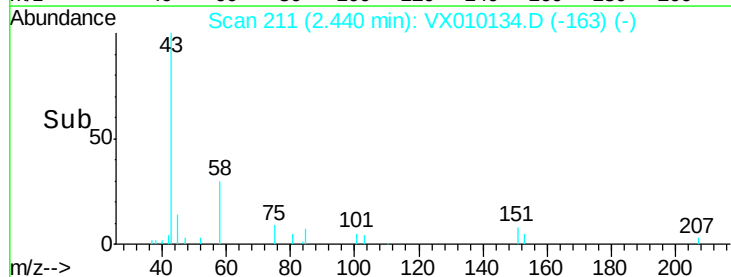
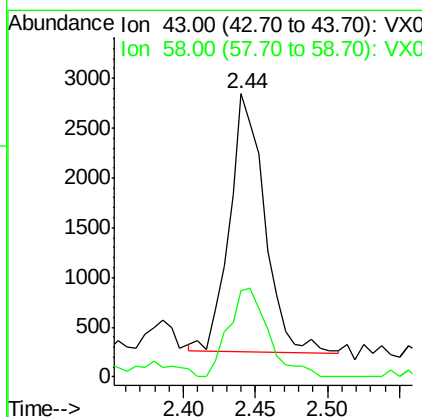
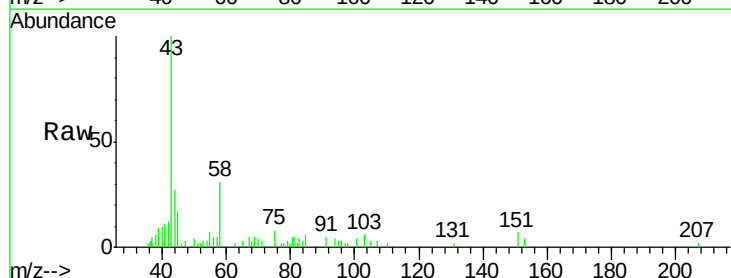
Acq: 08 Jun 2019 01:14

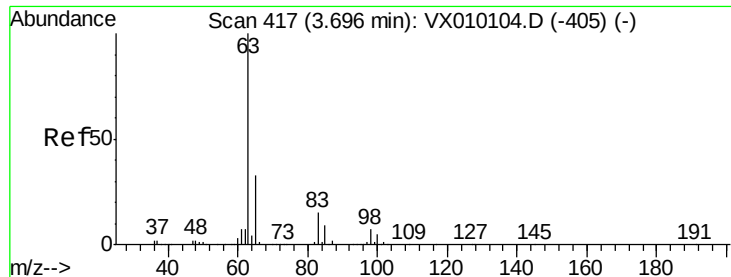
Tgt Ion: 43 Resp: 4410

Ion Ratio Lower Upper

43 100

58 33.8 23.2 34.8





#24

1,1-Dichloroethane

Concen: 0.783 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010134.D

Acq: 08 Jun 2019 01:14

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190606

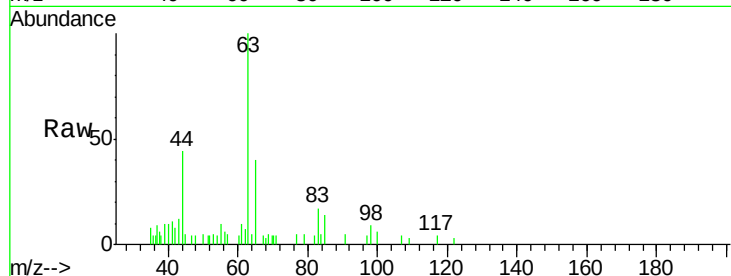
Tot Ion: 63 Resp: 3835

Ion Ratio Lower Upper

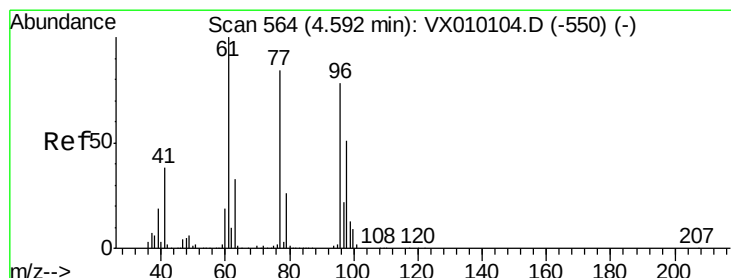
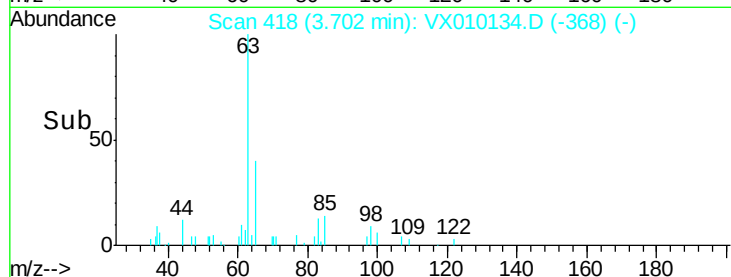
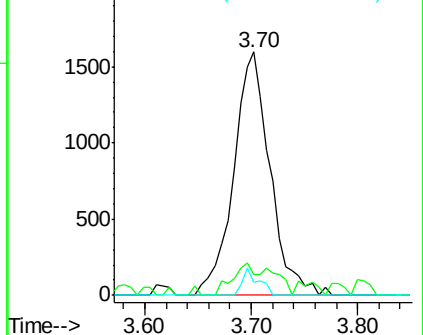
63 100

98 8.8 2.9 8.8

100 5.6 1.8 5.4#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 3.103 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX010134.D

Acq: 08 Jun 2019 01:14

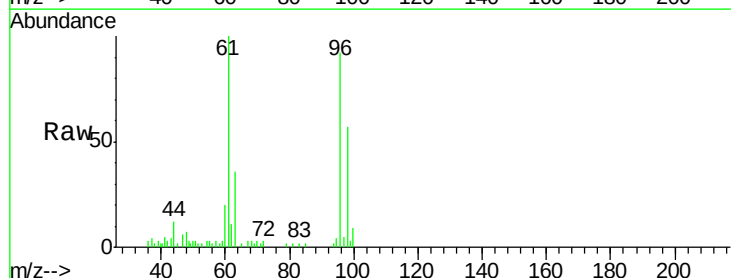
Tgt Ion: 96 Resp: 10673

Ion Ratio Lower Upper

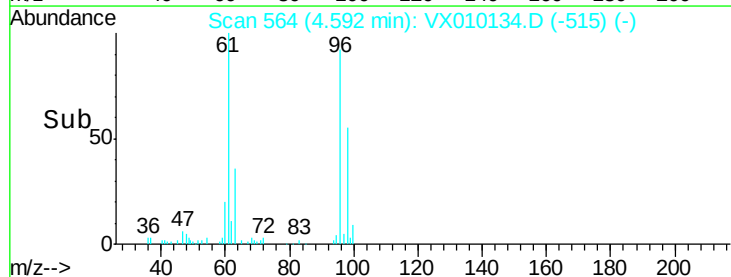
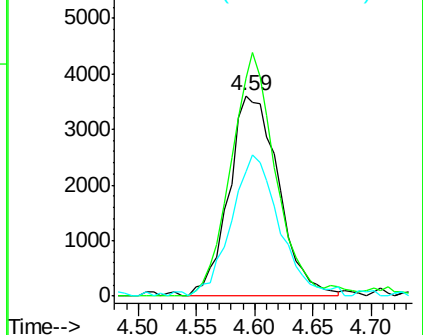
96 100

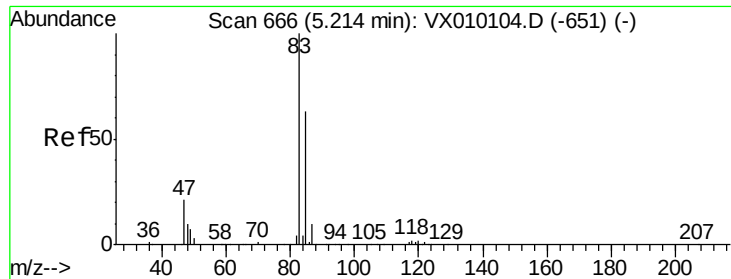
61 108.3 0.0 334.0

98 69.0 0.0 131.6



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

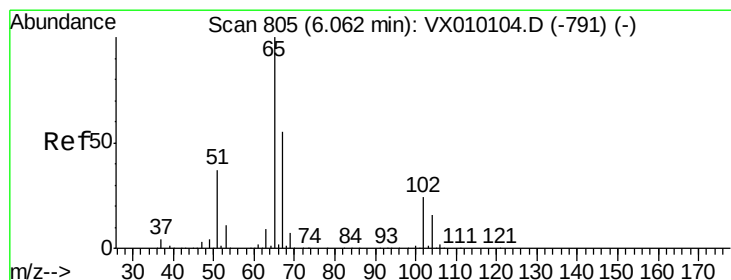
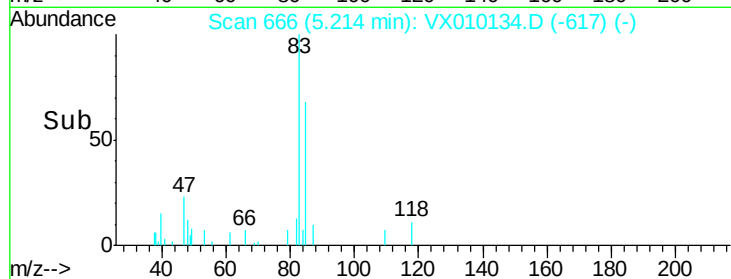
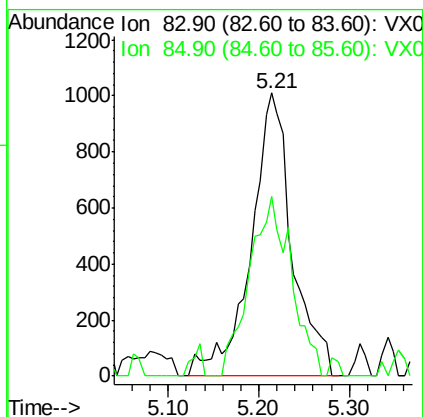
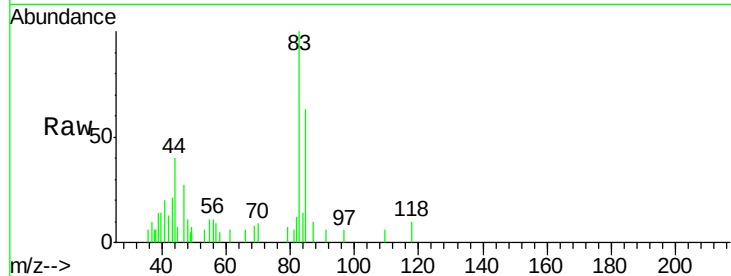




#30
Chloroform
Concen: 0.626 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX010134.D
Acq: 08 Jun 2019 01:14

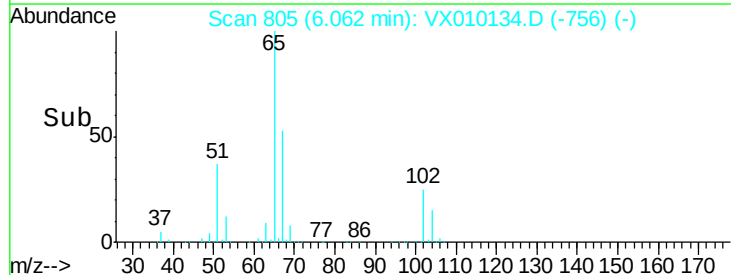
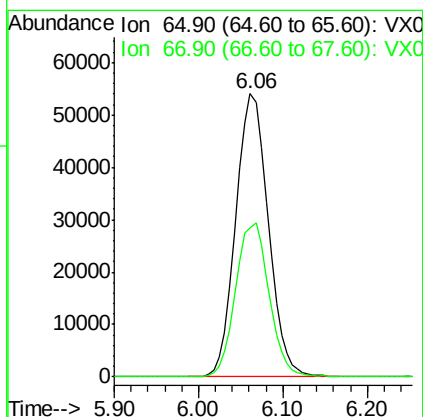
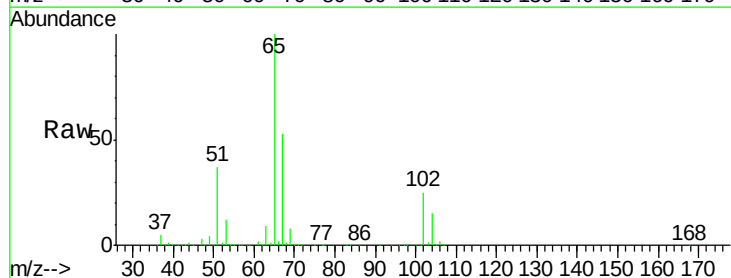
Instrument :
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RE120D2-20190606

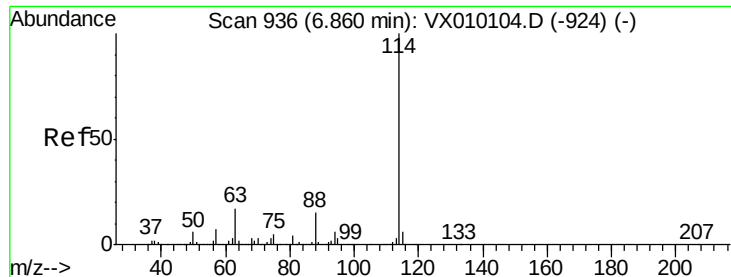
Tot Ion: 83 Resp: 3185
Ion Ratio Lower Upper
83 100
85 58.2 52.6 78.8



#33
1,2-Dichloroethane-d4
Concen: 46.619 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010134.D
Acq: 08 Jun 2019 01:14

Tgt Ion: 65 Resp: 141552
Ion Ratio Lower Upper
65 100
67 55.5 0.0 108.4

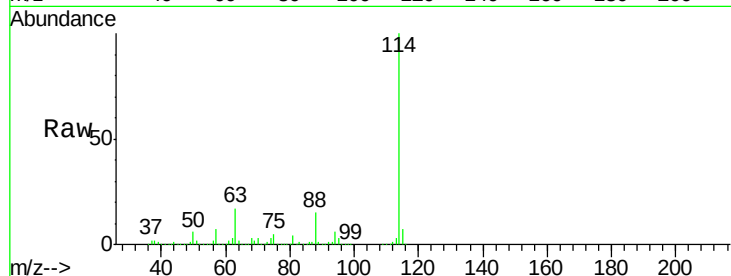




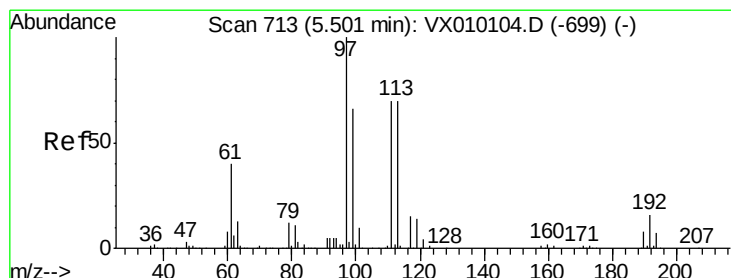
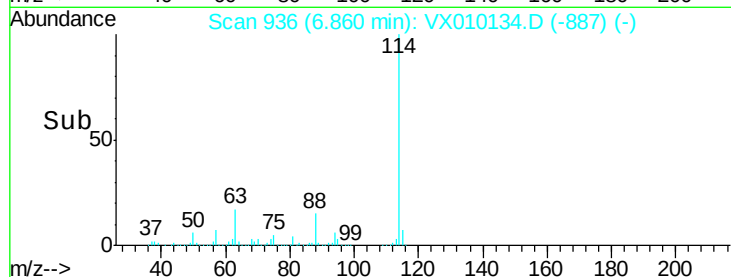
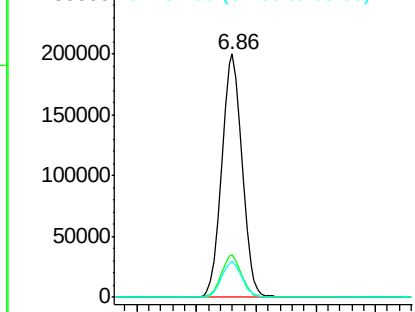
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010134.D
Acq: 08 Jun 2019 01:14

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20190606

Tot Ion:114 Resp: 476162
Ion Ratio Lower Upper
114 100
63 17.4 0.0 47.4
88 14.7 0.0 33.0

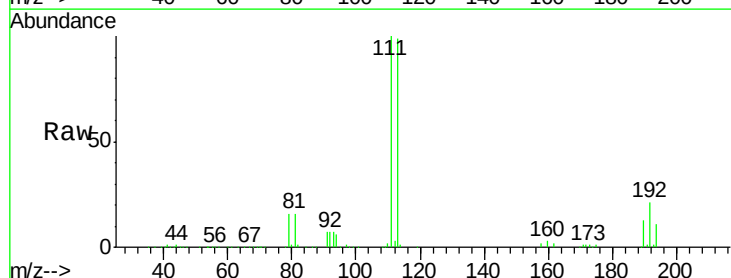


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

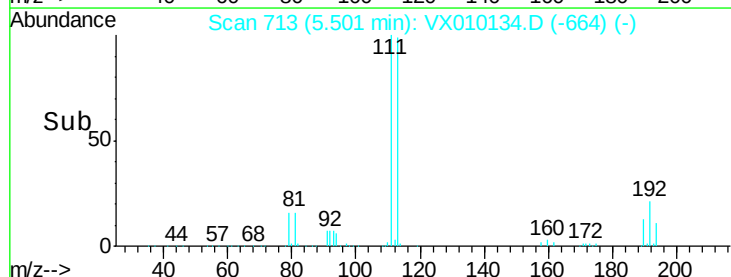
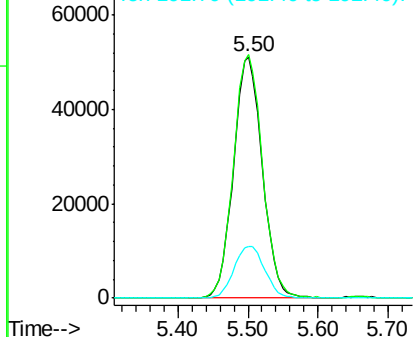


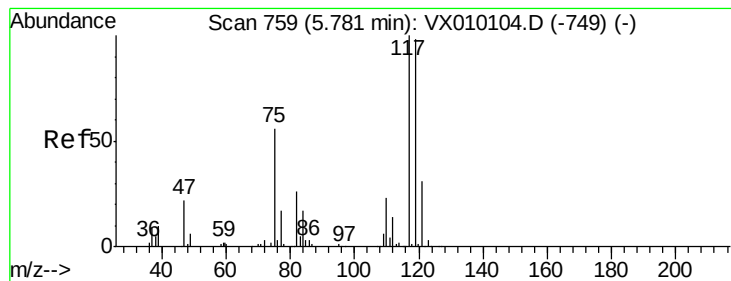
#35
Dibromofluoromethane
Concen: 49.809 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010134.D
Acq: 08 Jun 2019 01:14

Tgt Ion:113 Resp: 146293
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 22.8 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: 0.589 ug/l

RT: 5.78 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX010134.D

Acq: 08 Jun 2019 01:14

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190606

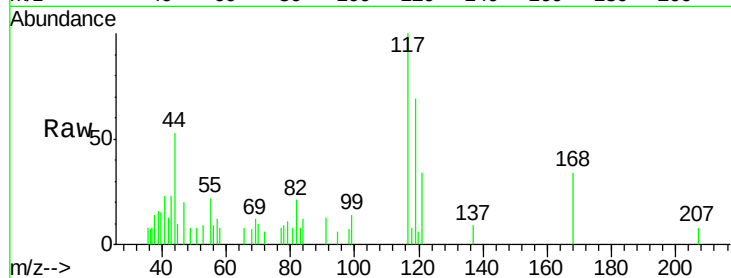
Tot Ion:117 Resp: 2591

Ion Ratio Lower Upper

117 100

119 68.8 77.3 115.9#

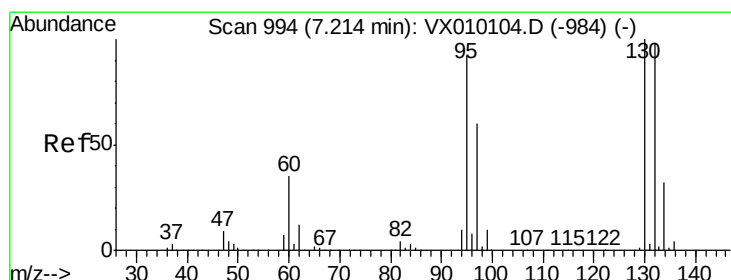
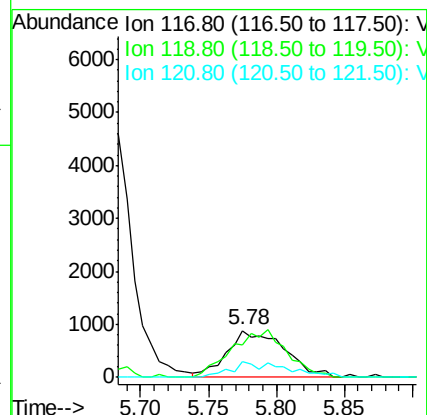
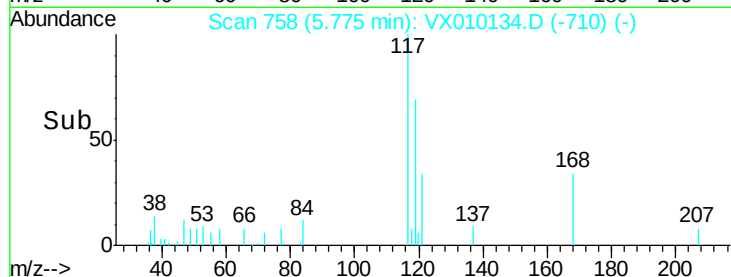
121 34.3 25.4 38.0



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: 655.735 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010134.D

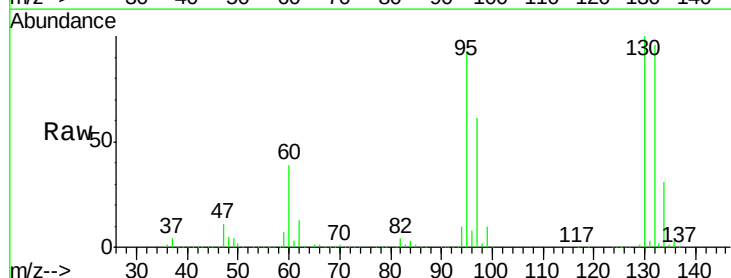
Acq: 08 Jun 2019 01:14

Tgt Ion:130 Resp: 2374343

Ion Ratio Lower Upper

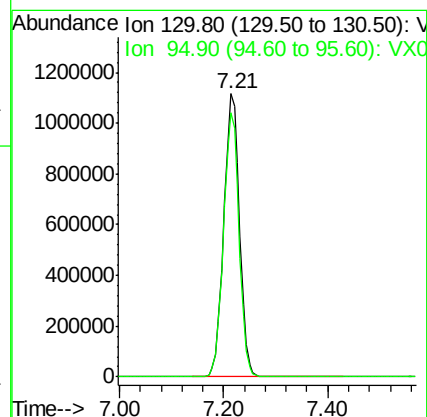
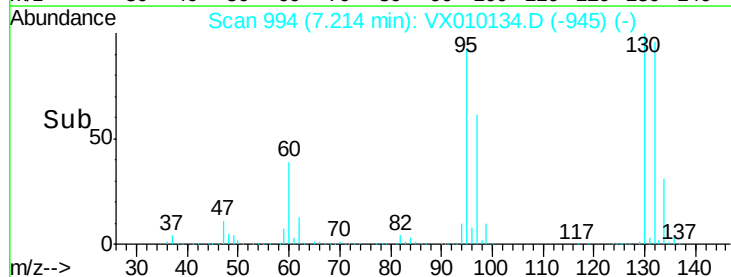
130 100

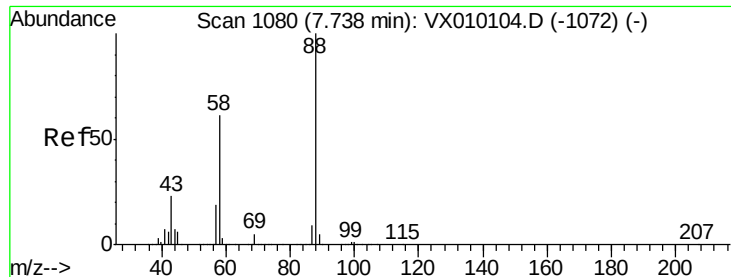
95 93.3 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

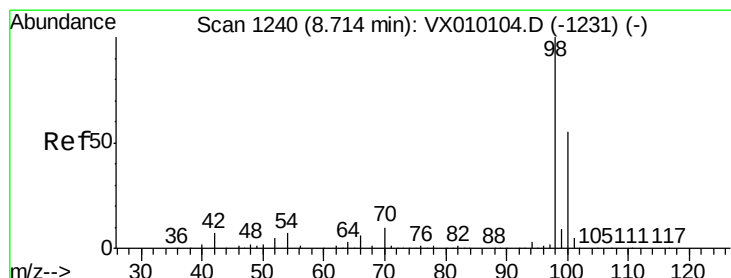
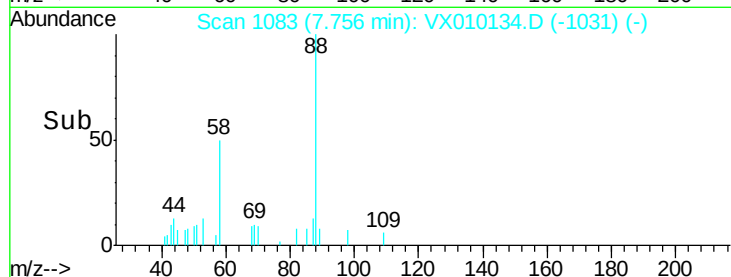
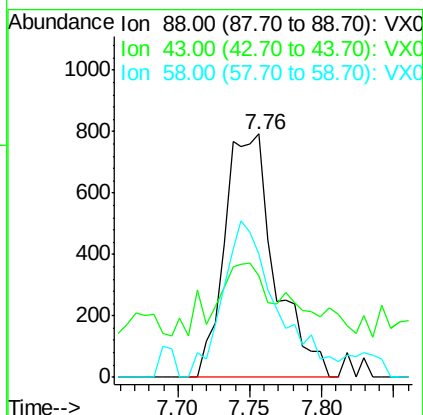
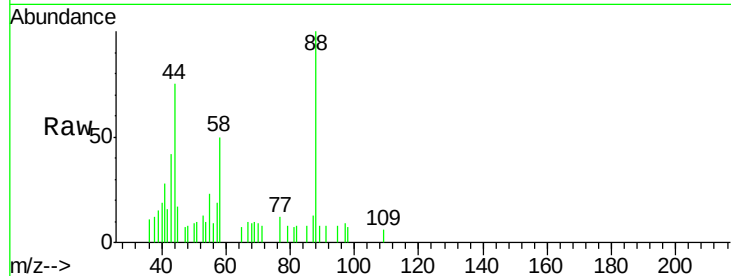




#49
1,4-Dioxane
Concen: 21.340 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX010134.D
Acq: 08 Jun 2019 01:14

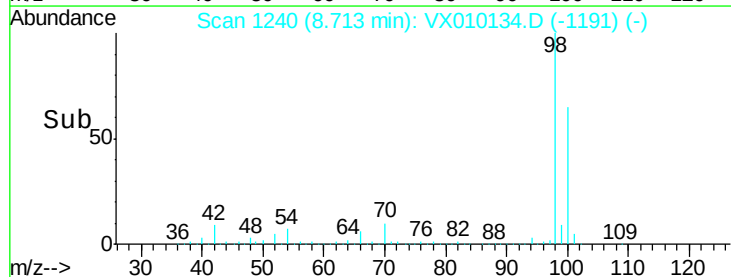
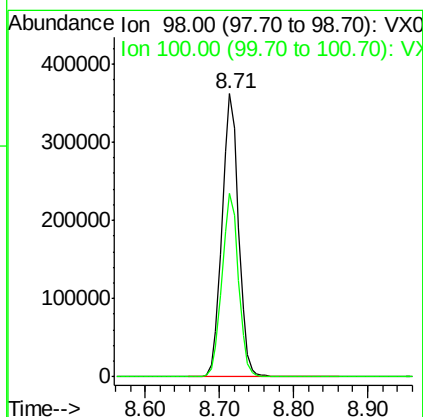
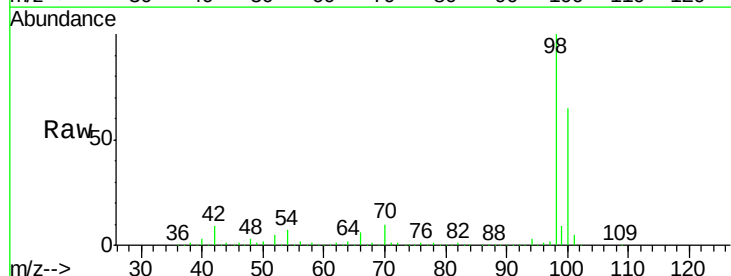
Instrument :
MSVOA_X
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RE120D2-20190606

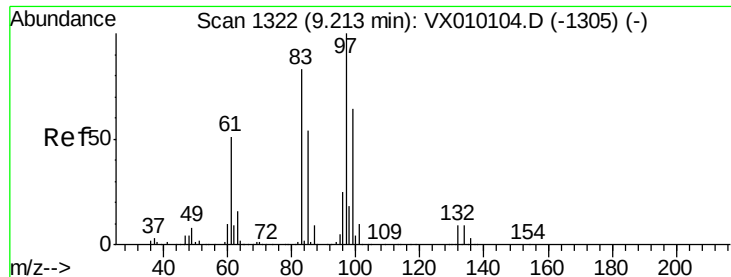
Tot Ion: 88 Resp: 1923
Ion Ratio Lower Upper
88 100
43 30.4 30.2 45.4
58 69.9 64.0 96.0



#50
Toluene-d8
Concen: 50.769 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010134.D
Acq: 08 Jun 2019 01:14

Tgt Ion: 98 Resp: 558849
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3

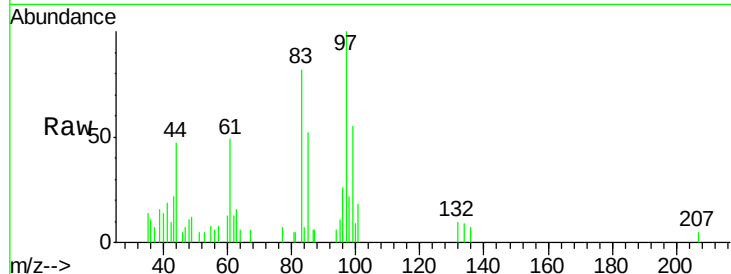




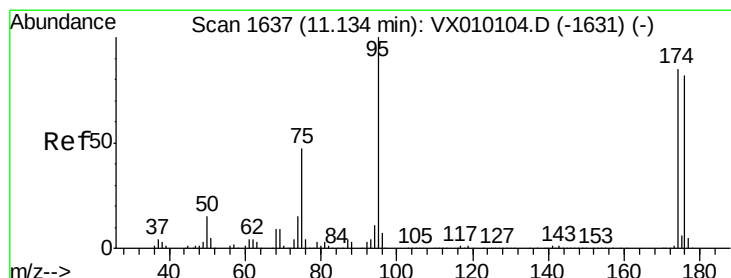
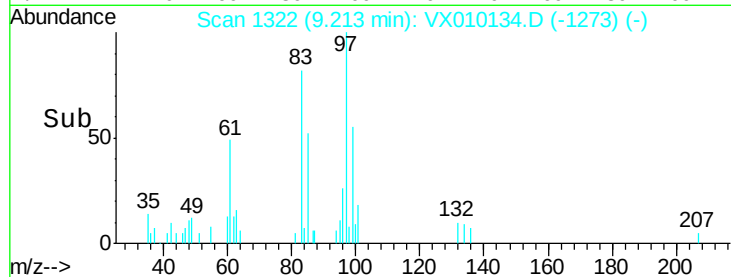
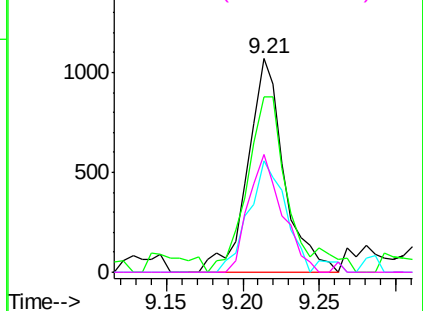
#55
 1,1,2-Trichloroethane
 Concen: 0.544 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010134.D
 Acq: 08 Jun 2019 01:14

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20190606

Tot Ion:	97	Resp:	1760
Ion	Ratio	Lower	Upper
97	100		
83	76.8	69.8	104.8
85	52.1	45.3	67.9
99	55.0	49.0	73.4

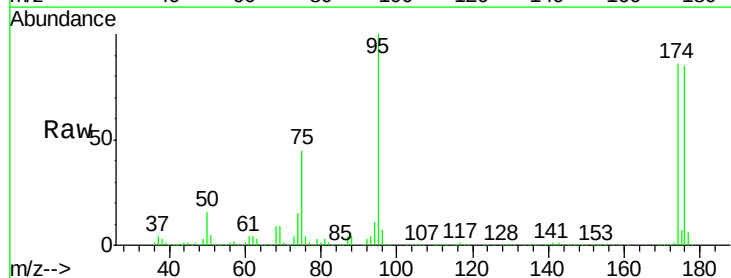


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

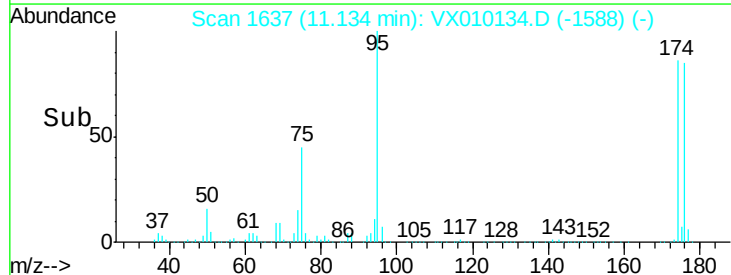
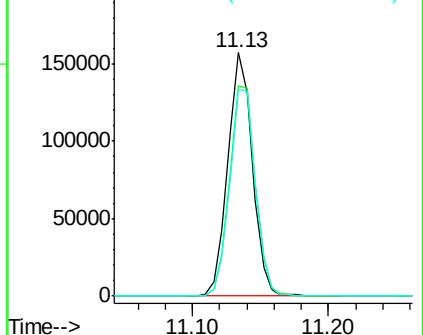


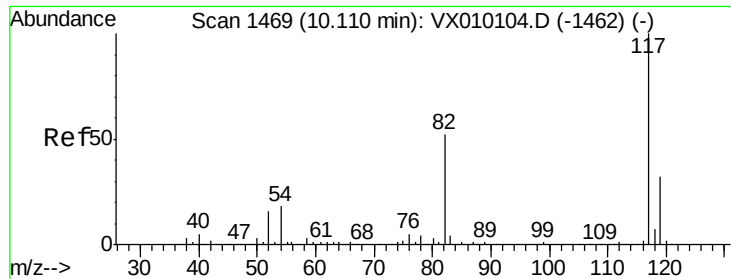
#62
 4-Bromofluorobenzene
 Concen: 48.002 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010134.D
 Acq: 08 Jun 2019 01:14

Tgt Ion:	95	Resp:	197333
Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	160.4
176	89.2	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

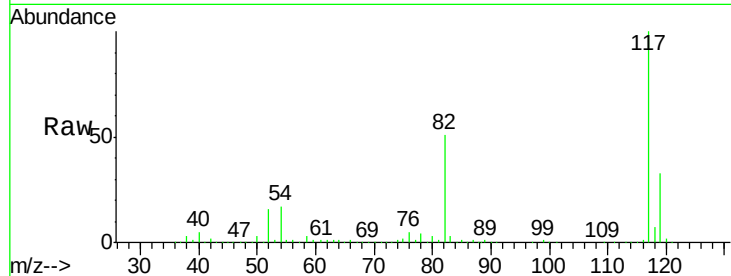




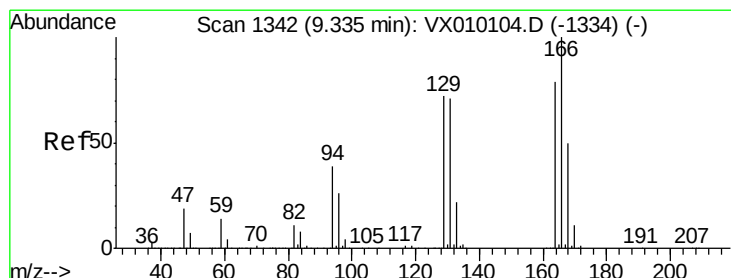
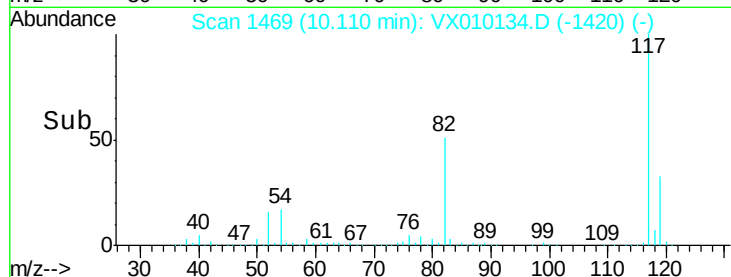
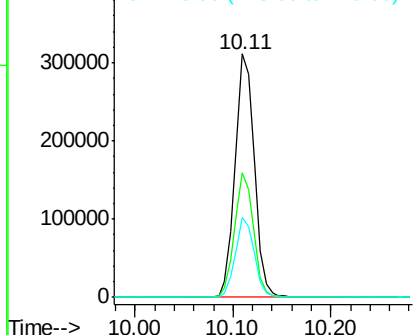
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010134.D
Acq: 08 Jun 2019 01:14

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20190606

Tot Ion:117 Resp: 428205
Ion Ratio Lower Upper
117 100
82 51.1 49.2 73.8
119 32.9 25.2 37.8

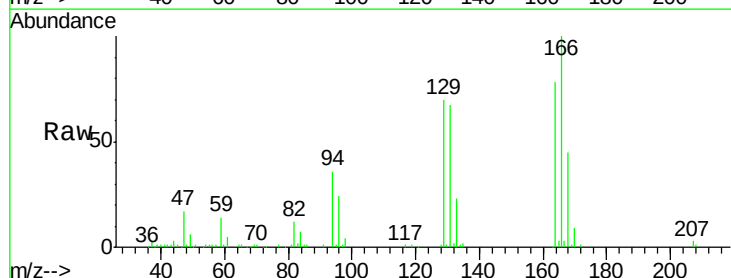


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

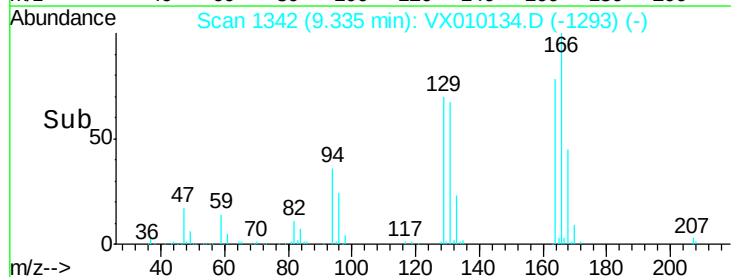
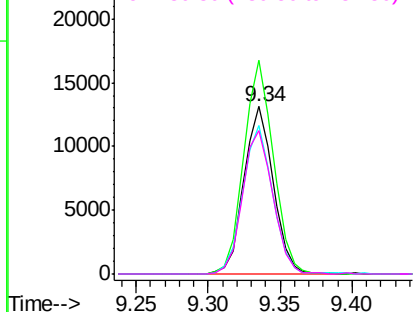


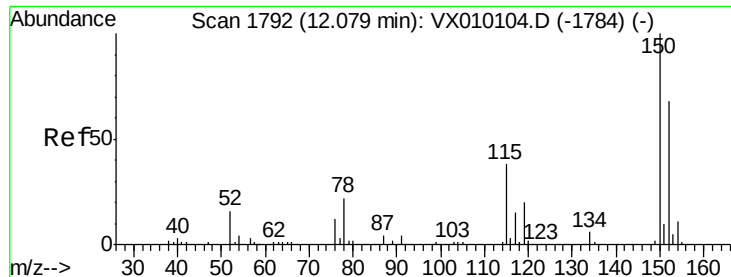
#64
Tetrachloroethene
Concen: 5.807 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010134.D
Acq: 08 Jun 2019 01:14

Tgt Ion:164 Resp: 18468
Ion Ratio Lower Upper
164 100
166 127.8 105.0 157.4
129 89.2 75.1 112.7
131 85.8 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: VX010134.D

Acq: 08 Jun 2019 01:14

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190606

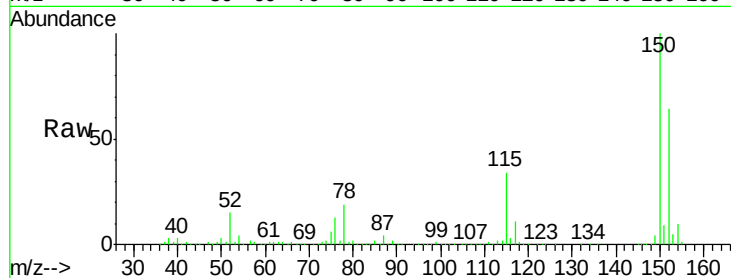
Tot Ion:152 Resp: 202001

Ion Ratio Lower Upper

152 100

115 54.6 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

