

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014033.D
 Acq On : 16 Dec 2019 14:27
 Operator : JC/SP
 Sample : K6252-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-20191210

Quant Time: Dec 17 04:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

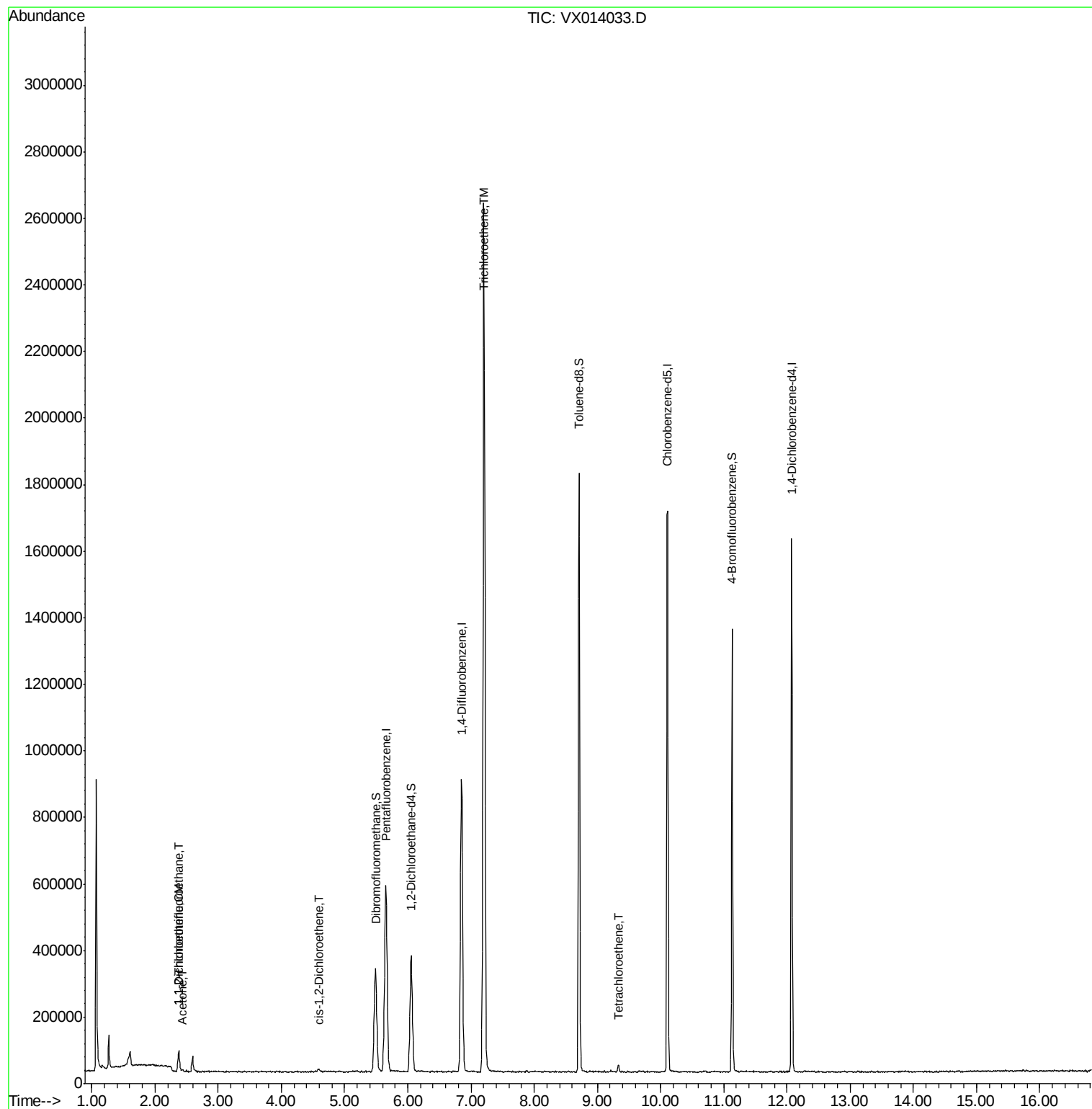
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	585693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	907672	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	799175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	345032	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	327400	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
35) Dibromofluoromethane	5.49	113	269564	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
50) Toluene-d8	8.71	98	1065985	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.14	95	352155	44.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.70%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22928	4.141	ug/l	99
12) 1,1-Dichloroethene	2.37	96	5855	1.039	ug/l #	83
16) Acetone	2.43	43	8376	1.944	ug/l #	86
27) cis-1,2-Dichloroethene	4.59	96	4992	0.711	ug/l	89
44) Trichloroethene	7.20	130	1048424	148.125	ug/l	99
64) Tetrachloroethene	9.34	164	5602	0.792	ug/l #	78

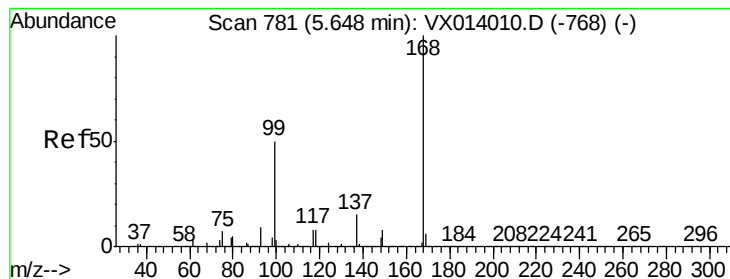
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014033.D

Acq: 16 Dec 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

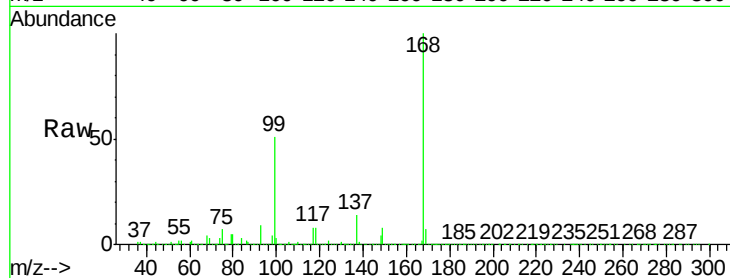
RE120D3-20191210

Tot Ion:168 Resp: 585693

Ion Ratio Lower Upper

168 100

99 50.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

50000

0

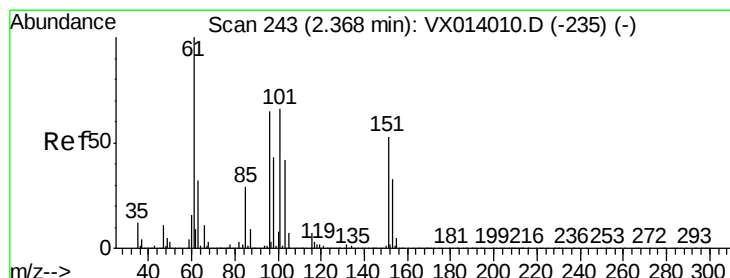
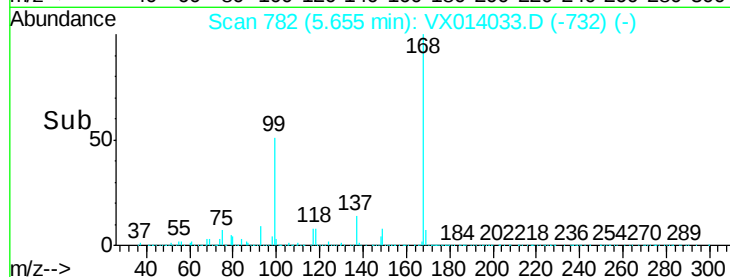
5.50

5.60

5.70

5.80

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.141 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014033.D

Acq: 16 Dec 2019 14:27

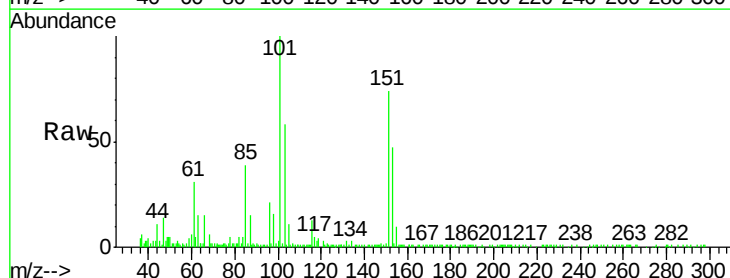
Tgt Ion:101 Resp: 22928

Ion Ratio Lower Upper

101 100

85 42.3 33.7 50.5

151 79.3 64.5 96.7



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

15000

10000

5000

0

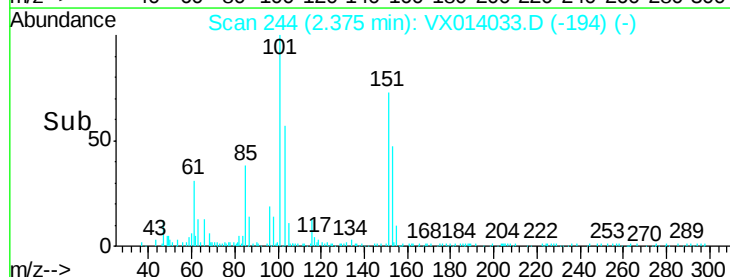
2.30

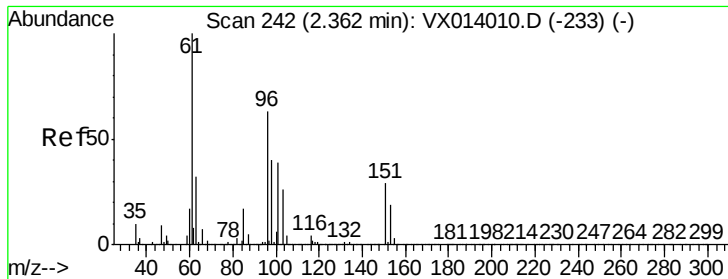
2.35

2.40

2.45

Time-->





#12

1,1-Dichloroethene

Concen: 1.039 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014033.D

Acq: 16 Dec 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-20191210

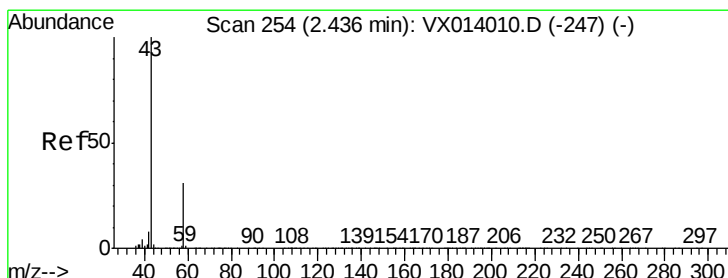
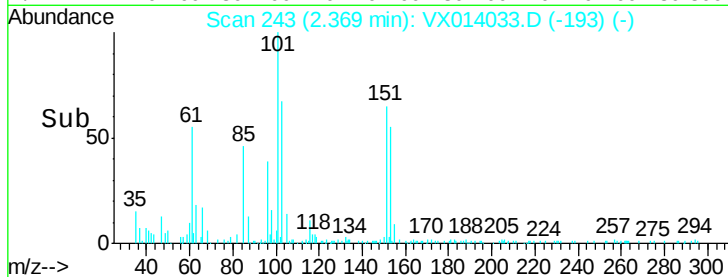
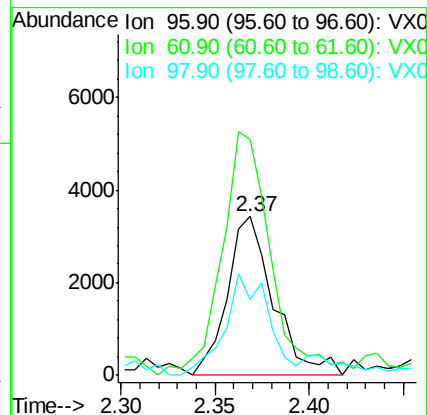
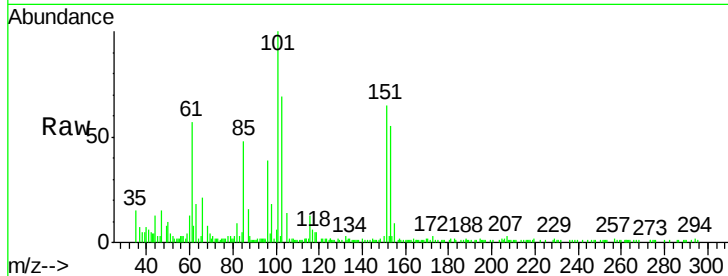
Tot Ion: 96 Resp: 5855

Ion Ratio Lower Upper

96 100

61 142.7 127.9 191.9

98 43.2 50.5 75.7#



#16

Acetone

Concen: 1.944 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014033.D

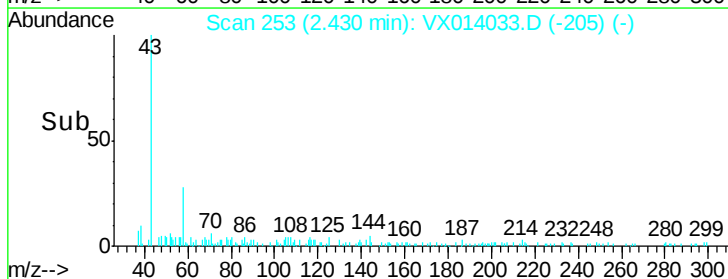
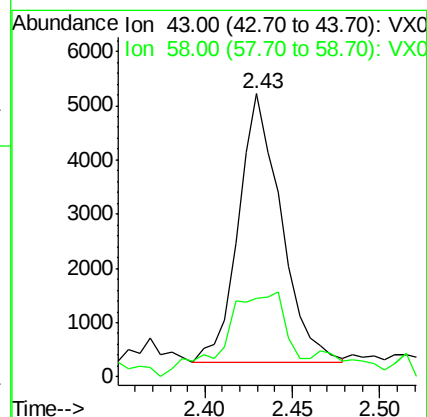
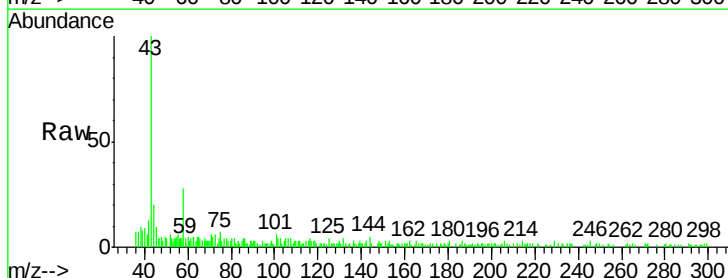
Acq: 16 Dec 2019 14:27

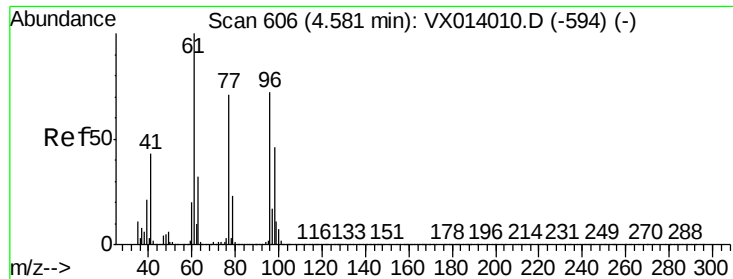
Tgt Ion: 43 Resp: 8376

Ion Ratio Lower Upper

43 100

58 23.6 24.9 37.3#



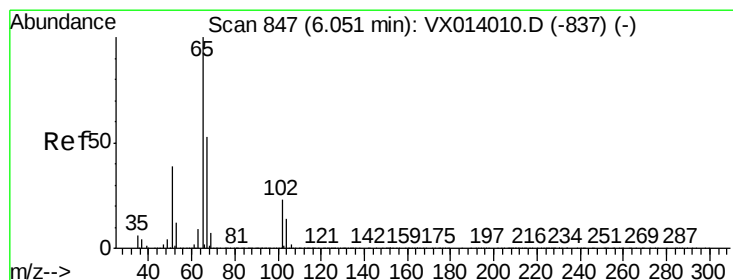
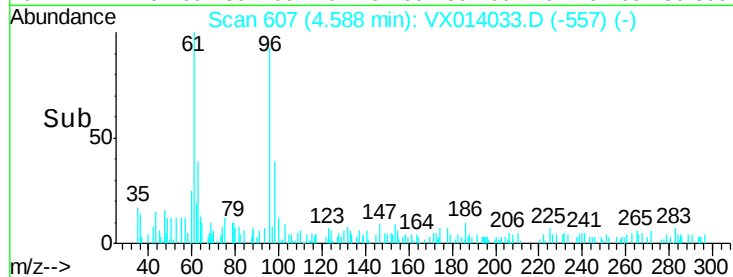
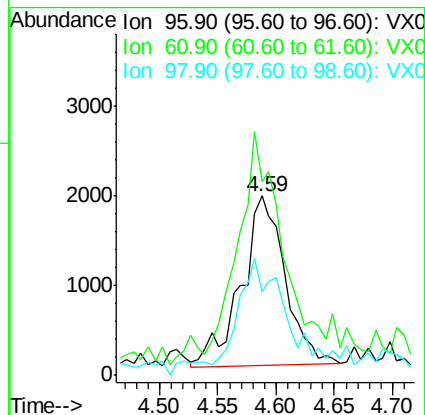
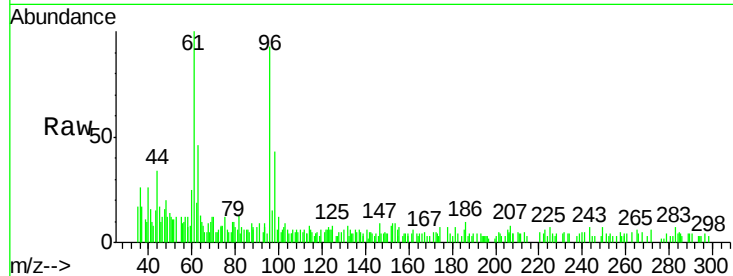


#27

cis-1,2-Dichloroethene
 Concen: 0.711 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX014033.D
 Acq: 16 Dec 2019 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-20191210

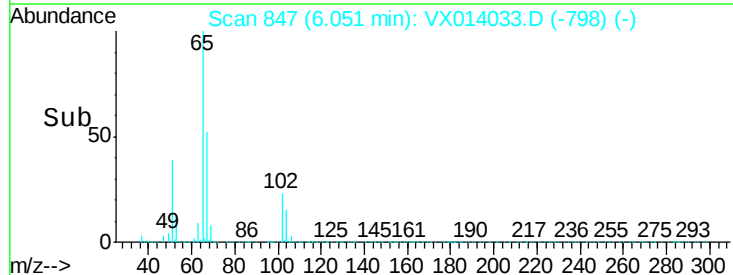
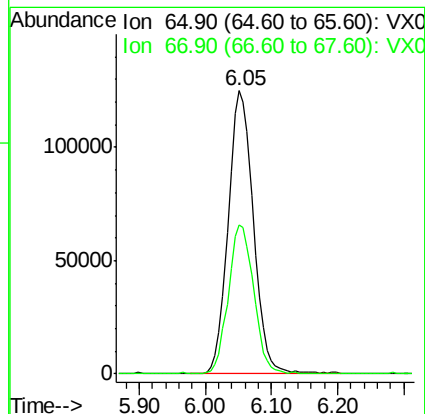
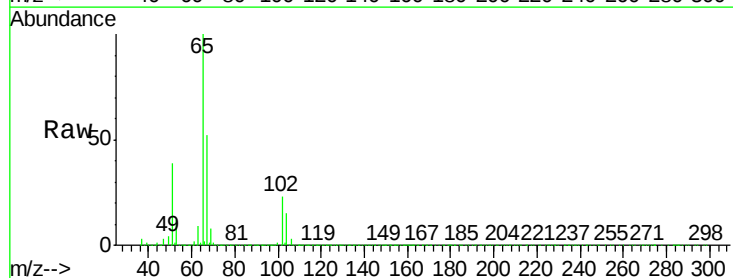
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	288.4
98	60.4	0.0	129.6

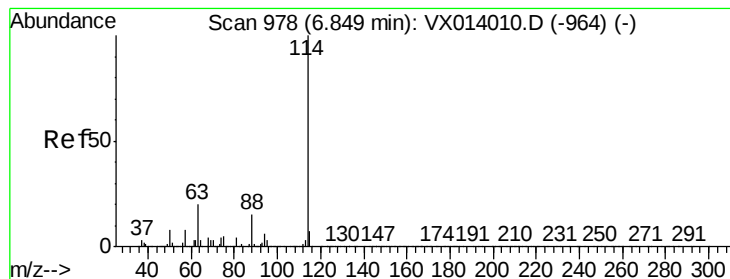


#33

1,2-Dichloroethane-d4
 Concen: 49.322 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014033.D
 Acq: 16 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014033.D

Acq: 16 Dec 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-20191210

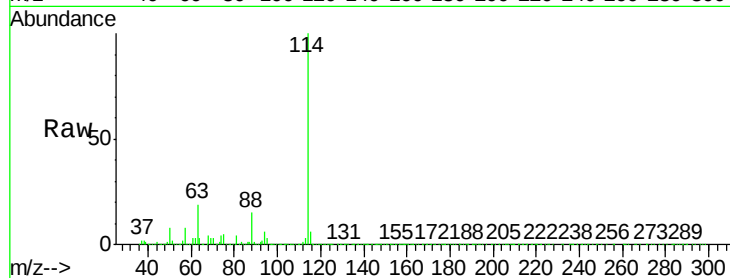
Tot Ion:114 Resp: 907672

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

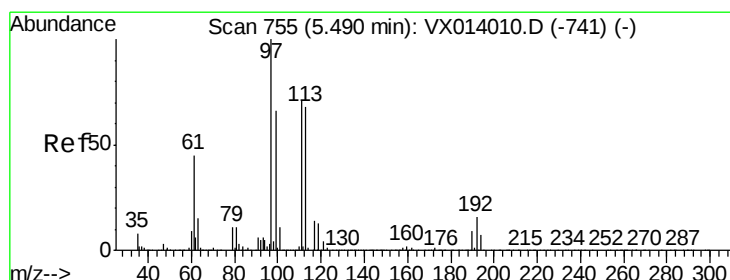
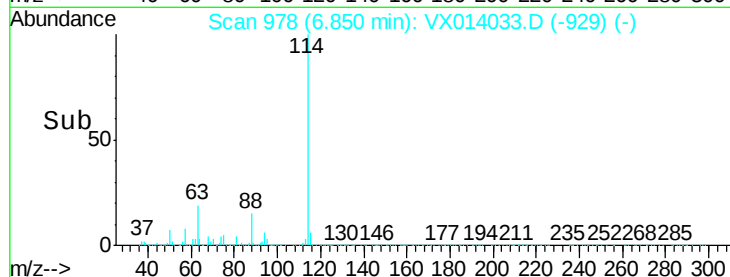
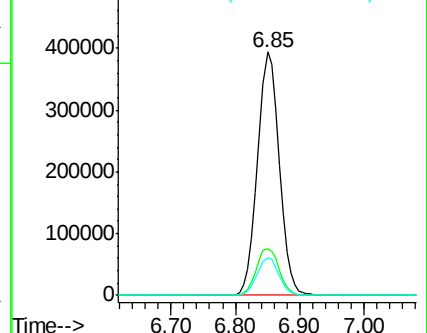
88 15.3 0.0 30.4



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: 48.855 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014033.D

Acq: 16 Dec 2019 14:27

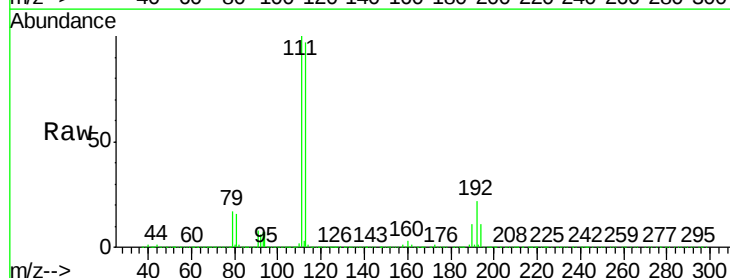
Tgt Ion:113 Resp: 269564

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

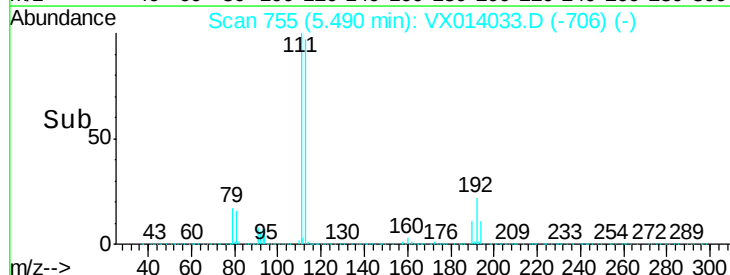
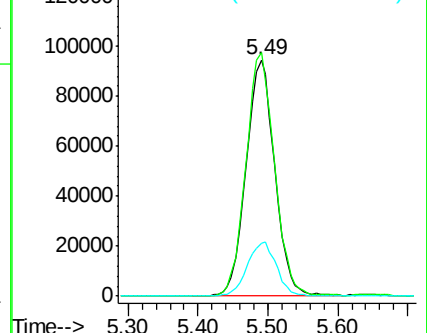
192 23.2 19.3 28.9

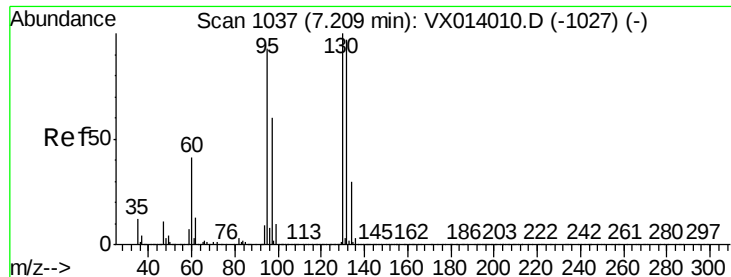


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 148.125 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014033.D

Acq: 16 Dec 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

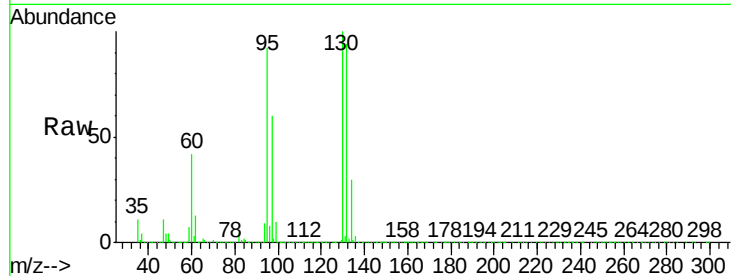
RE120D3-20191210

Tot Ion:130 Resp: 1048424

Ion Ratio Lower Upper

130 100

95 92.2 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

500000

400000

300000

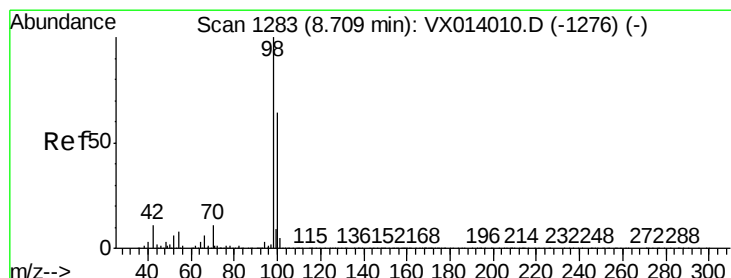
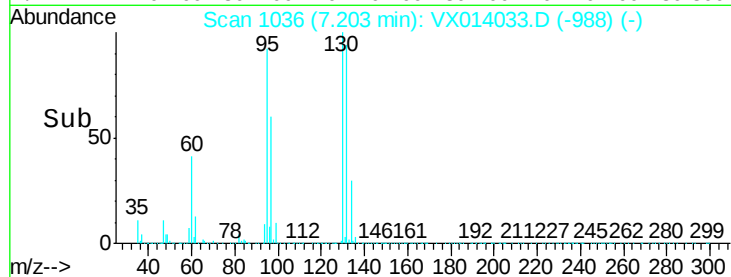
200000

100000

0

Time-->

7.10 7.20 7.30 7.40



#50

Toluene-d8

Concen: 49.623 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014033.D

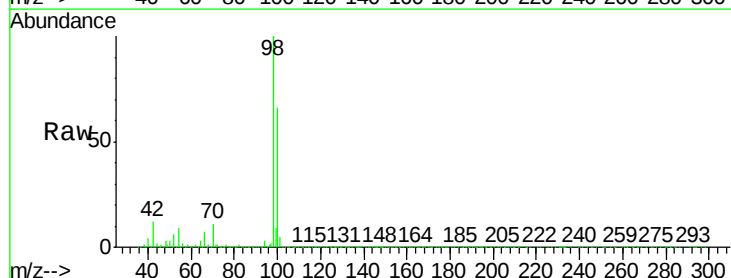
Acq: 16 Dec 2019 14:27

Tgt Ion: 98 Resp: 1065985

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

800000

600000

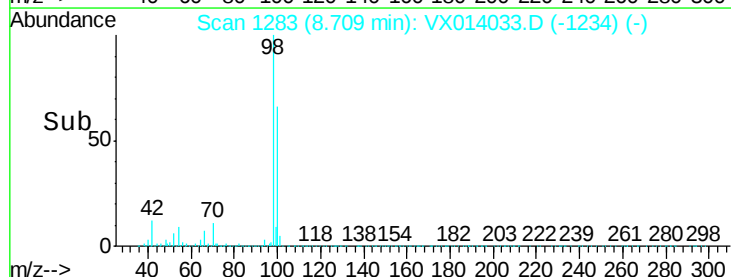
400000

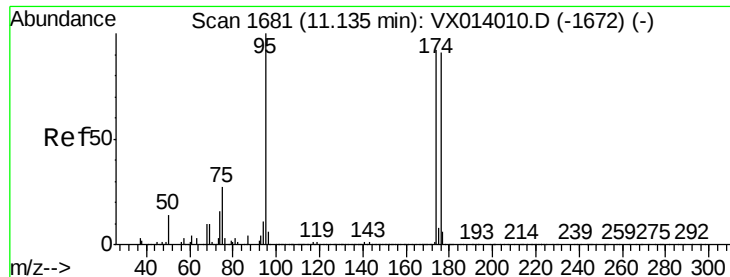
200000

0

Time-->

8.60 8.70 8.80





#62

4-Bromofluorobenzene

Concen: 44.846 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014033.D

Acq: 16 Dec 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-20191210

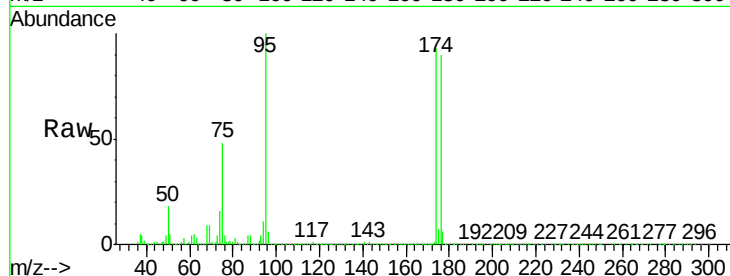
Tot Ion: 95 Resp: 352155

Ion Ratio Lower Upper

95 100

174 88.7 0.0 175.8

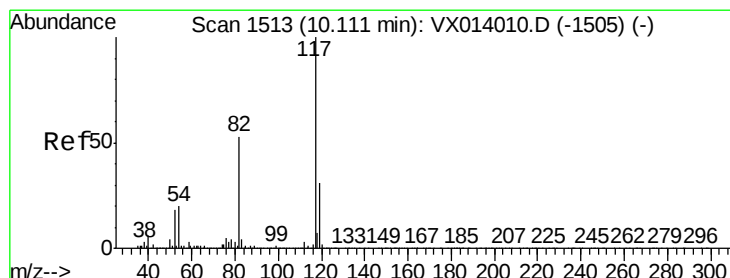
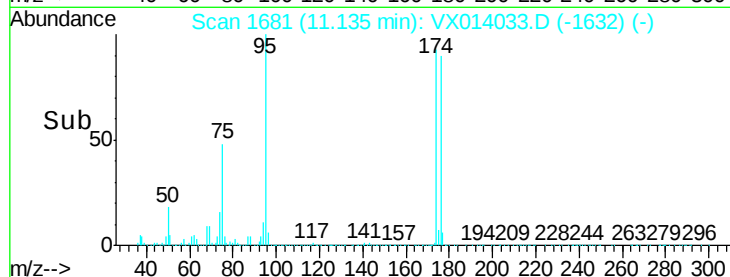
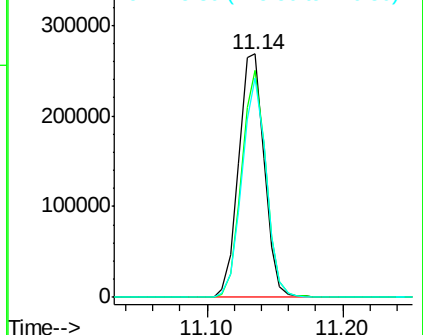
176 85.8 0.0 173.0



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# 1513

Delta R.T. 0.00 min

Lab File: VX014033.D

Acq: 16 Dec 2019 14:27

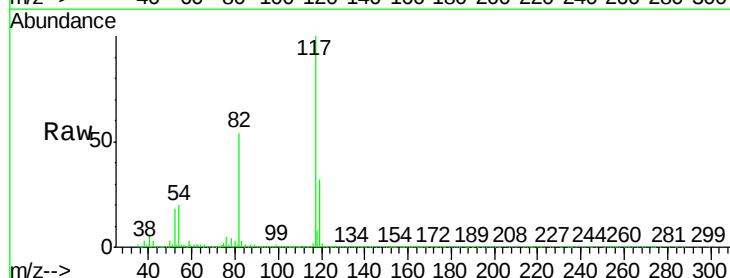
Tgt Ion: 117 Resp: 799175

Ion Ratio Lower Upper

117 100

82 54.1 42.2 63.4

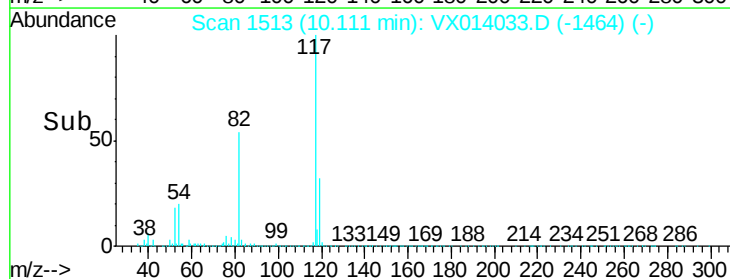
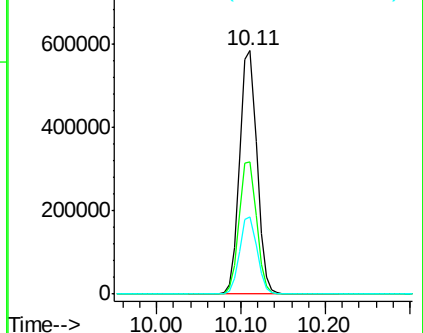
119 31.5 25.1 37.7

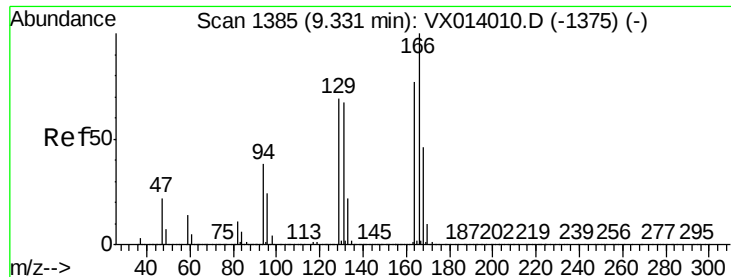


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.792 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX014033.D

Acq: 16 Dec 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-20191210

Tot Ion:164 Resp: 5602

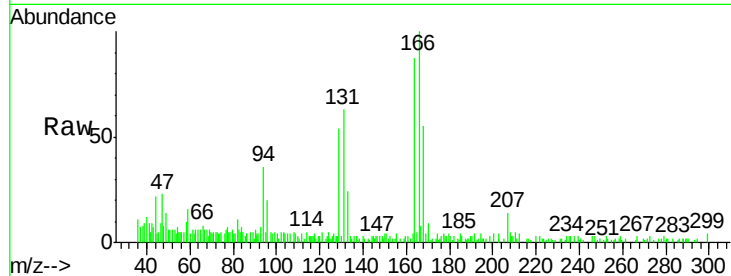
Ion Ratio Lower Upper

164 100

166 111.7 104.0 156.0

129 57.8 72.2 108.4#

131 68.6 69.6 104.4#

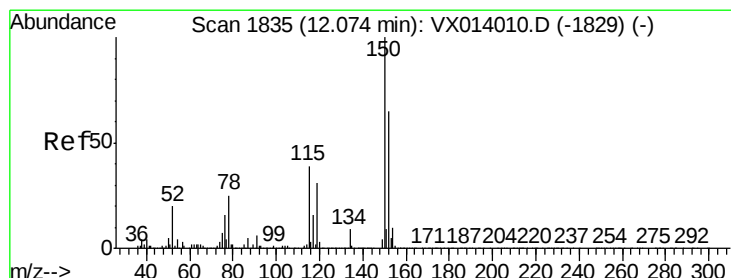
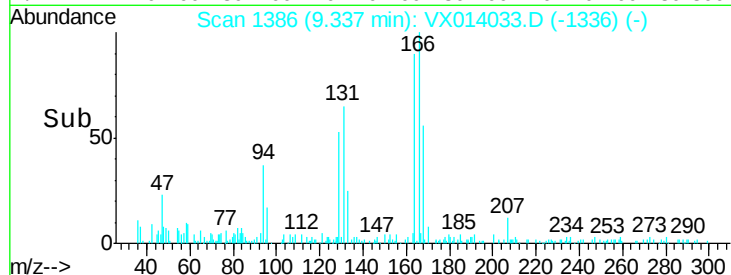
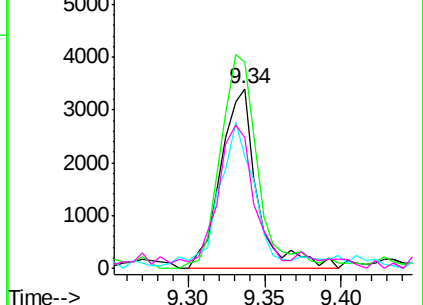


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014033.D

Acq: 16 Dec 2019 14:27

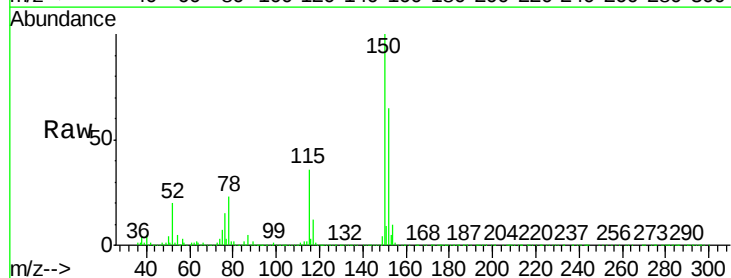
Tgt Ion:152 Resp: 345032

Ion Ratio Lower Upper

152 100

115 55.1 38.3 114.9

150 154.6 0.0 345.4



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

