

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006390.D
 Acq On : 11 Dec 2018 01:05
 Operator : JC/MD
 Sample : J6324-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-120D2-20181205

Quant Time: Dec 11 05:52:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	722365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1116655	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1006453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	477622	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	372578	50.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.04%	
35) Dibromofluoromethane	5.51	113	344281	47.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.24%	
50) Toluene-d8	8.71	98	1284876	48.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.13	95	478219	48.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.52%	

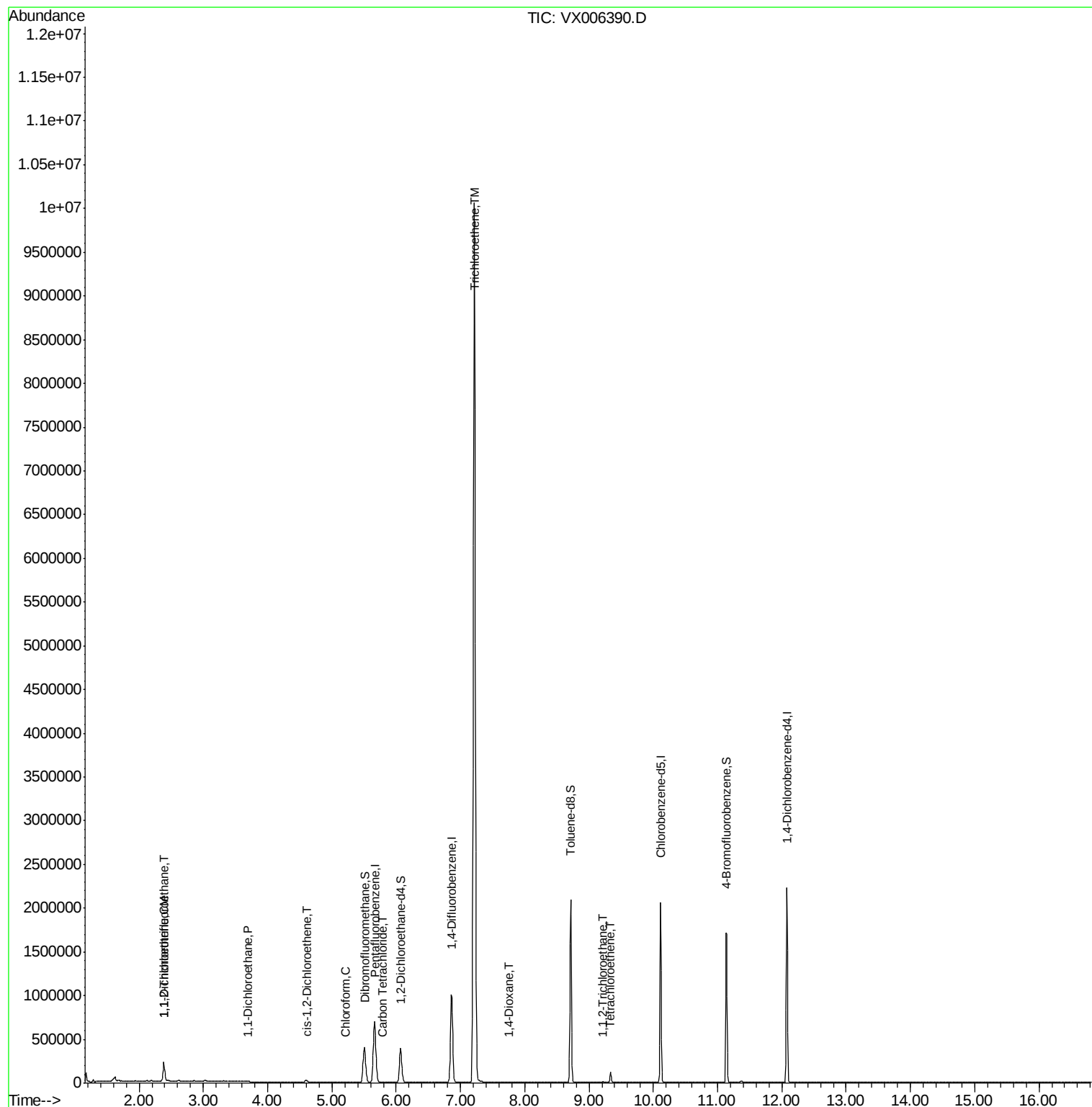
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68100	9.974	ug/l	97
12) 1,1-Dichloroethene	2.38	96	21254	3.252	ug/l	93
24) 1,1-Dichloroethane	3.70	63	8959	0.777	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	17478	2.249	ug/l	85
30) Chloroform	5.22	83	6435	0.531	ug/l	94
38) Carbon Tetrachloride	5.79	117	4869	0.440	ug/l #	76
44) Trichloroethene	7.21	130	4095976	480.068	ug/l	93
49) 1,4-Dioxane	7.76	88	3652	17.348	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	3259	0.433	ug/l	90
64) Tetrachloroethene	9.34	164	20768	2.740	ug/l	95

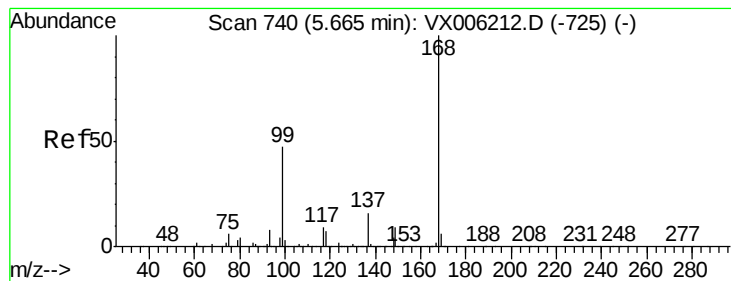
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006390.D

Acq: 11 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

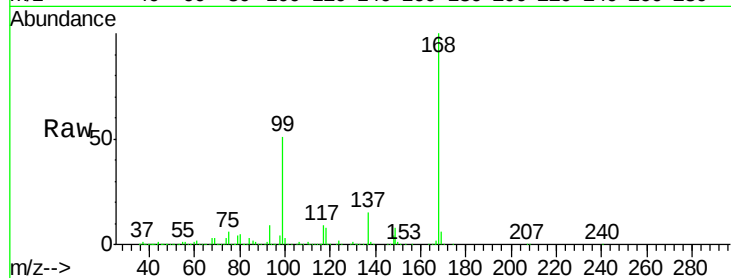
RE-120D2-20181205

Tot Ion:168 Resp: 722365

Ion Ratio Lower Upper

168 100

99 50.6 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

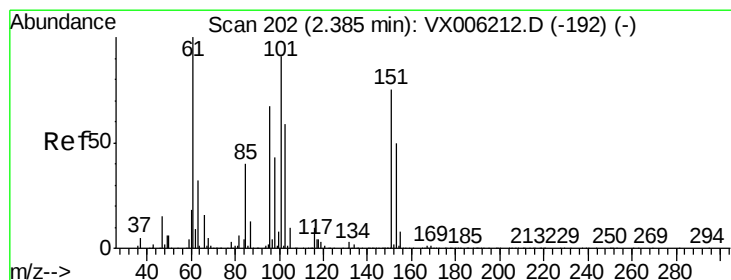
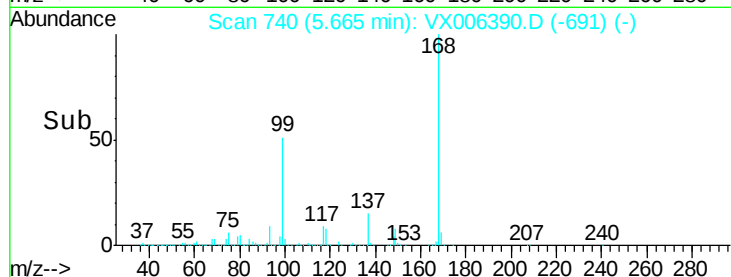
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.974 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006390.D

Acq: 11 Dec 2018 01:05

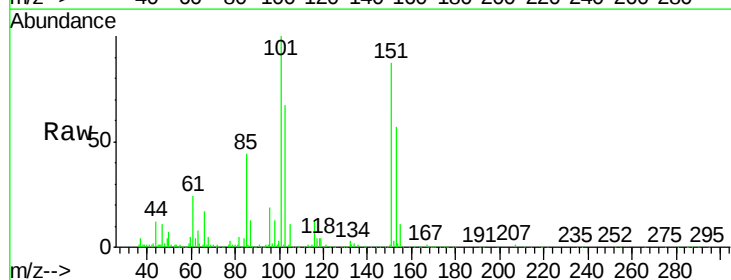
Tgt Ion:101 Resp: 68100

Ion Ratio Lower Upper

101 100

85 43.5 35.5 53.3

151 89.0 68.6 103.0



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

40000

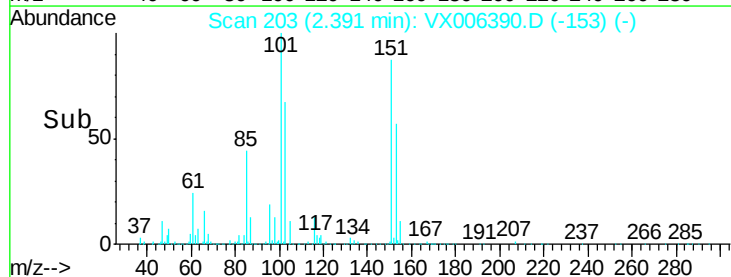
30000

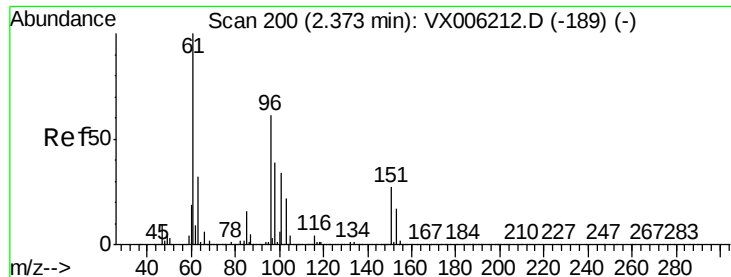
20000

10000

0

Time--> 2.30 2.35 2.40 2.45 2.50





#12

1,1-Dichloroethene

Concen: 3.252 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX006390.D

Acq: 11 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

RE-120D2-20181205

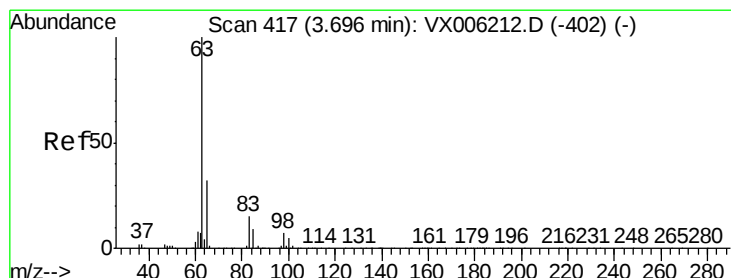
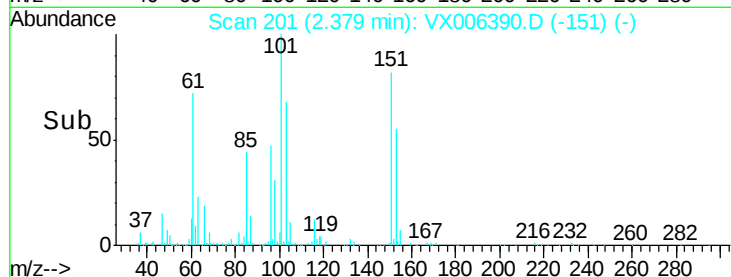
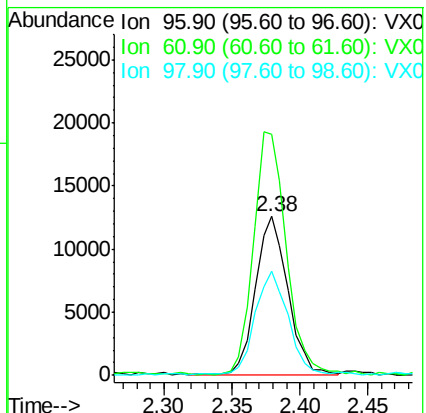
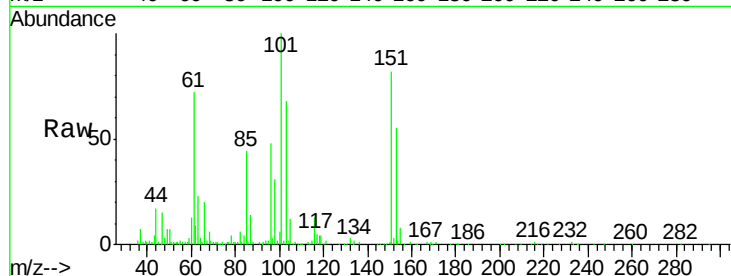
Tot Ion: 96 Resp: 21254

Ion Ratio Lower Upper

96 100

61 151.5 131.7 197.5

98 65.8 51.8 77.6



#24

1,1-Dichloroethane

Concen: 0.777 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006390.D

Acq: 11 Dec 2018 01:05

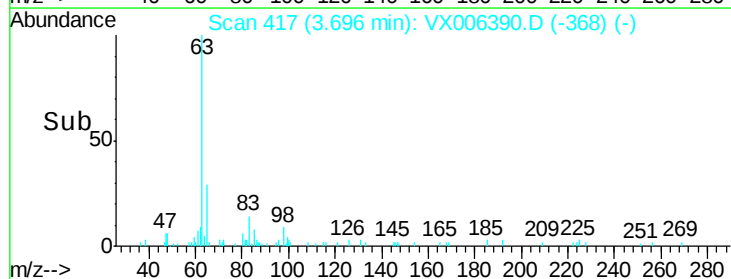
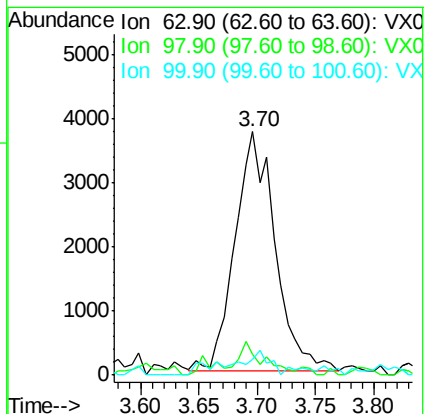
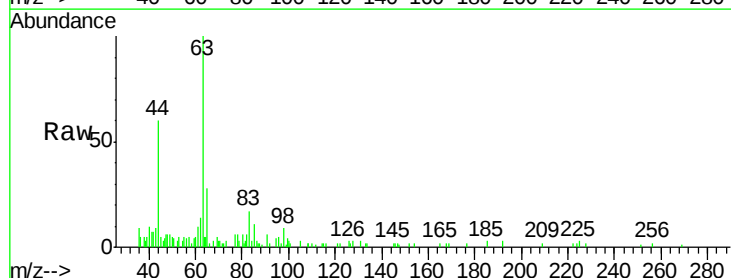
Tgt Ion: 63 Resp: 8959

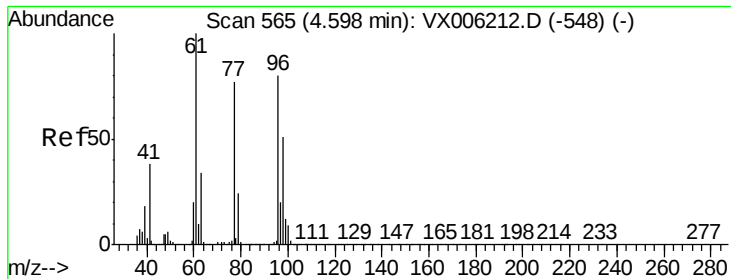
Ion Ratio Lower Upper

63 100

98 8.8 3.8 11.4

100 6.8 2.5 7.4



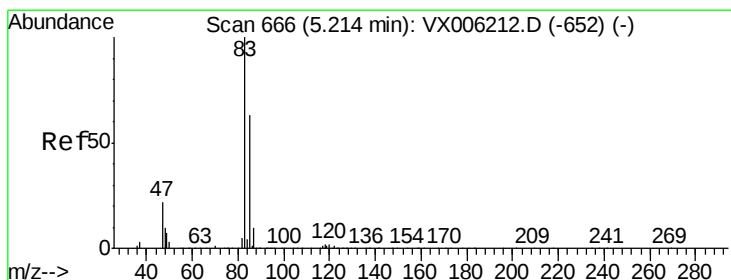
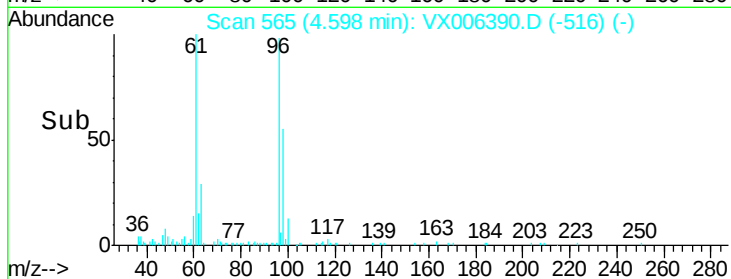
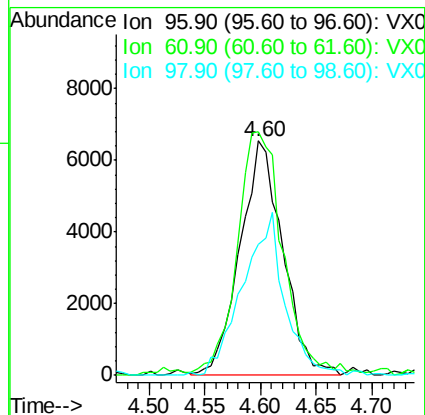
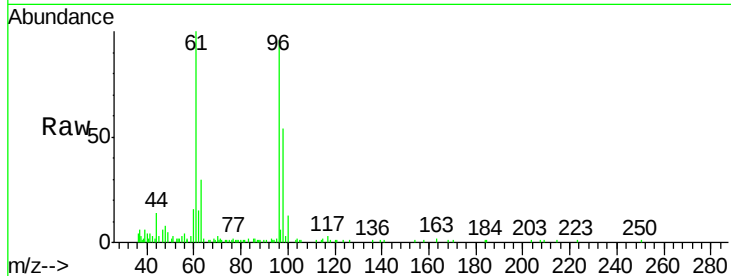


#27

cis-1,2-Dichloroethene
Concen: 2.249 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006390.D
Acq: 11 Dec 2018 01:05

Instrument :
MSVOA_X
ClientSampleId :
RE-120D2-20181205

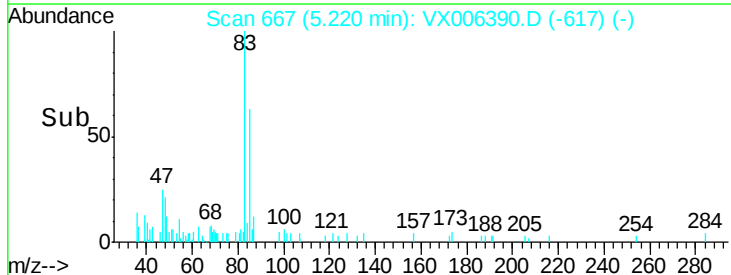
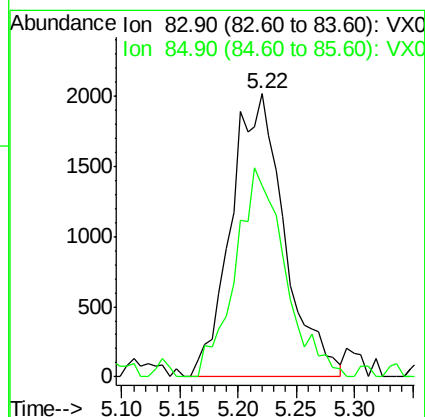
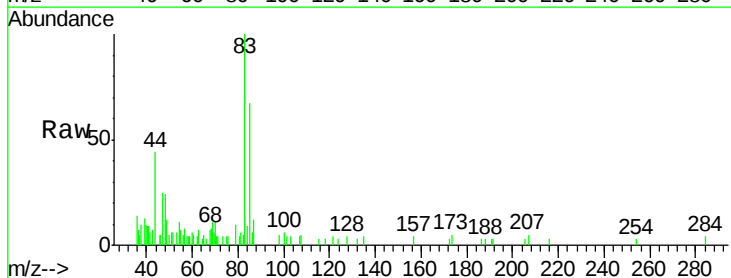
Tot Ion	Ratio	Lower	Upper
96	100		
61	109.1	0.0	265.0
98	68.2	0.0	130.2

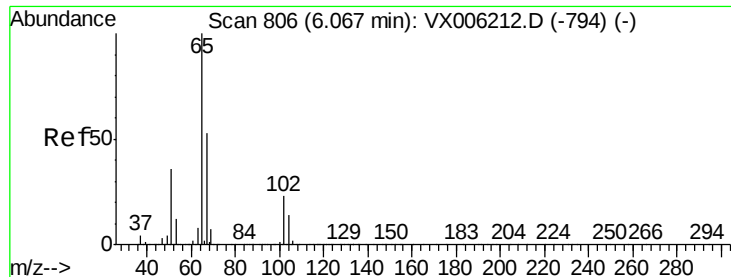


#30

Chloroform
Concen: 0.531 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006390.D
Acq: 11 Dec 2018 01:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.3	75.5

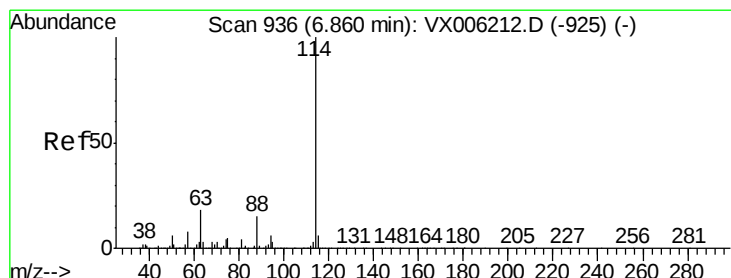
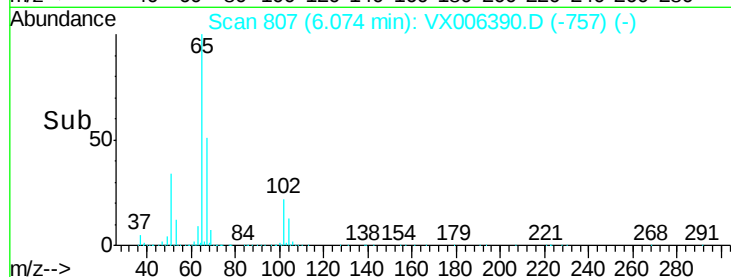
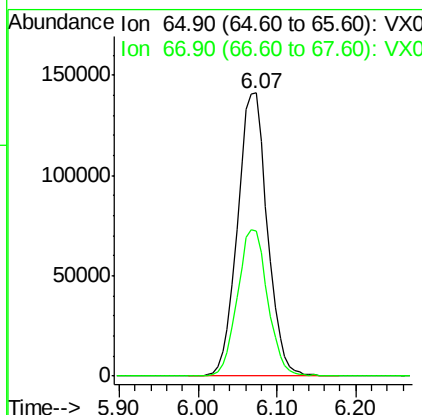
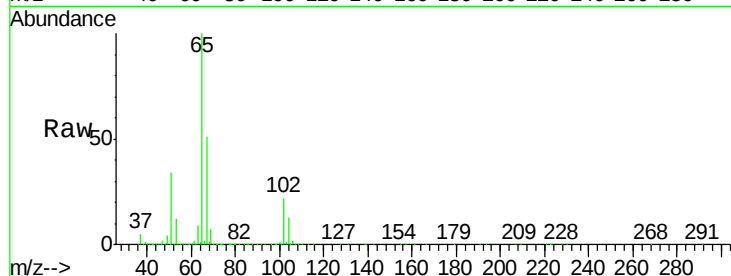




#33
 1,2-Dichloroethane-d4
 Concen: 50.525 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX006390.D
 Acq: 11 Dec 2018 01:05

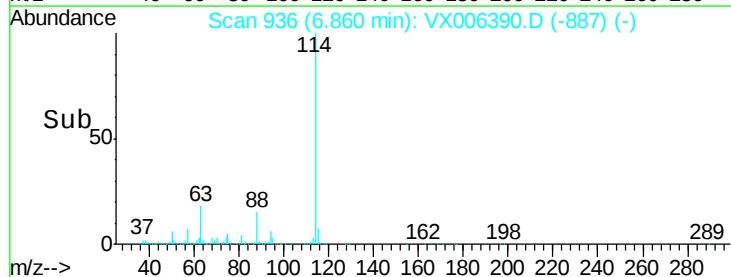
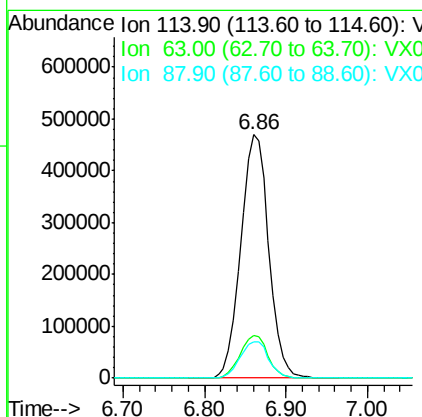
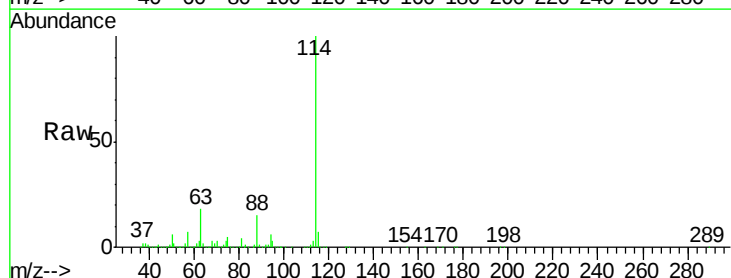
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-120D2-20181205

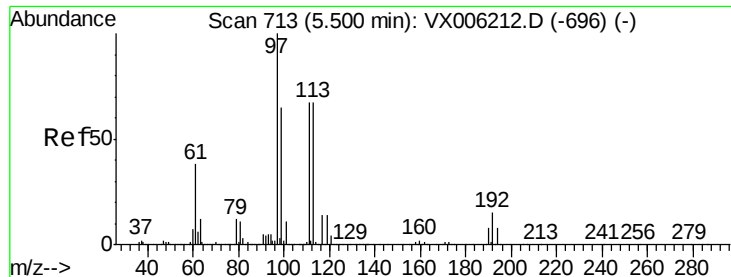
Tot Ion: 65 Resp: 372578
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006390.D
 Acq: 11 Dec 2018 01:05

Tgt Ion: 114 Resp: 1116655
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.6
 88 15.0 0.0 29.0

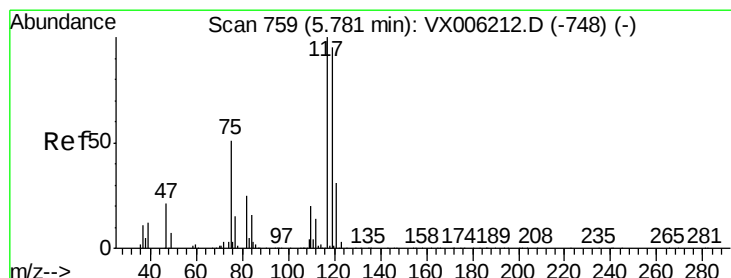
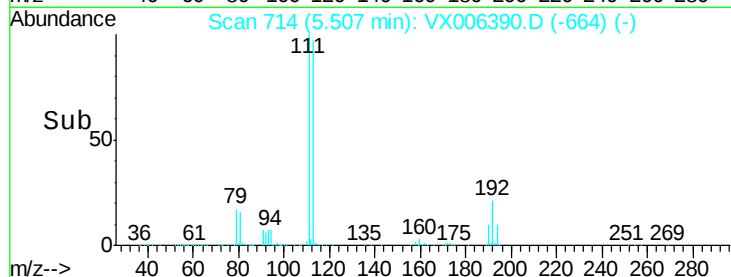
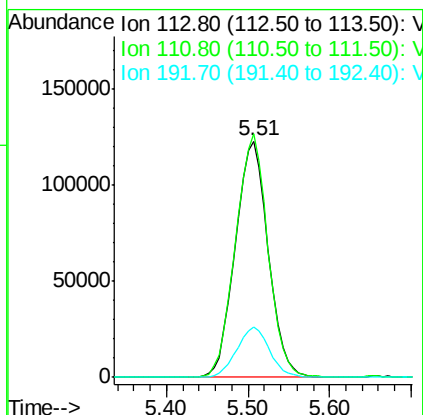
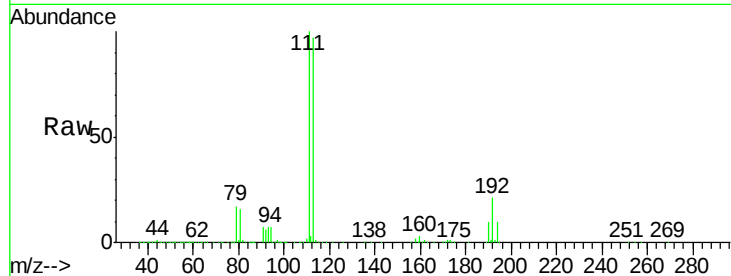




#35
 Dibromofluoromethane
 Concen: 47.619 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006390.D
 Acq: 11 Dec 2018 01:05

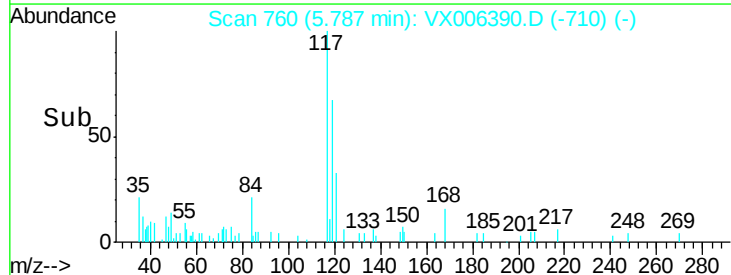
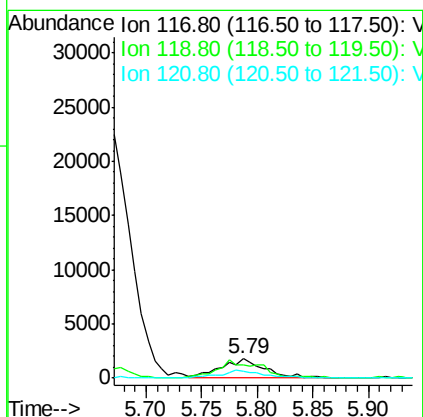
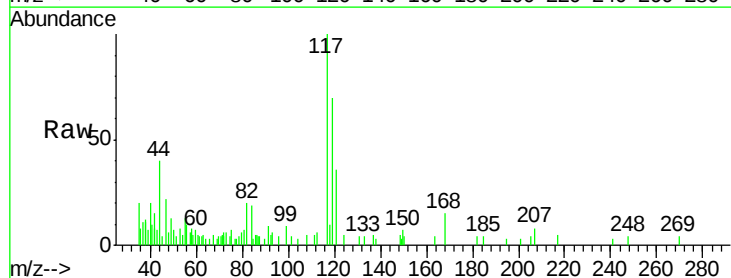
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-120D2-20181205

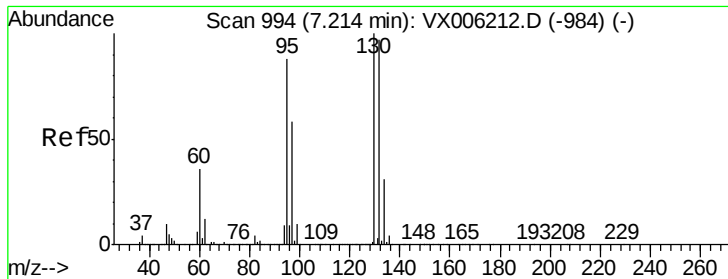
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	21.3	18.2	27.2



#38
 Carbon Tetrachloride
 Concen: 0.440 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VX006390.D
 Acq: 11 Dec 2018 01:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	67.3	75.8	113.8#
121	35.5	24.6	37.0





#44

Trichloroethene

Concen: 480.068 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006390.D

Acq: 11 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

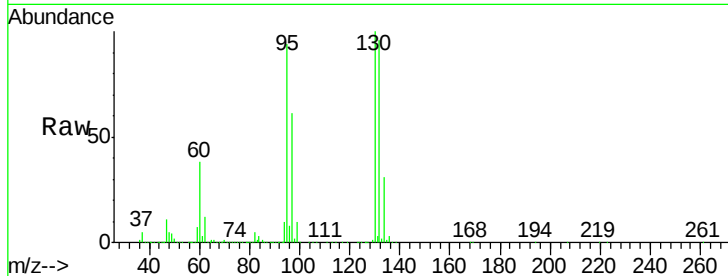
RE-120D2-20181205

Tot Ion:130 Resp: 4095976

Ion Ratio Lower Upper

130 100

95 94.2 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

2000000

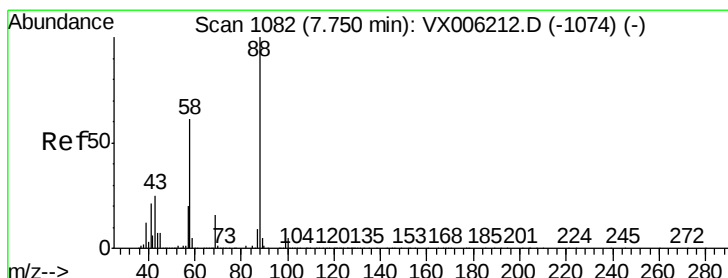
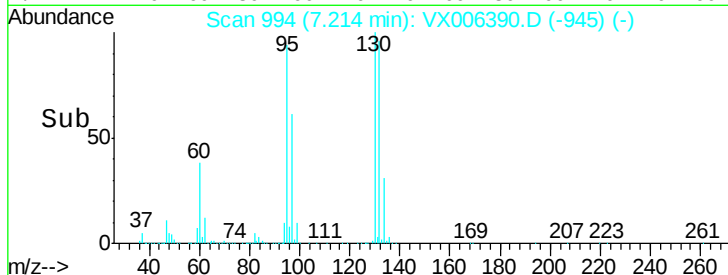
1500000

1000000

500000

0

Time-->



#49

1,4-Dioxane

Concen: 17.348 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006390.D

Acq: 11 Dec 2018 01:05

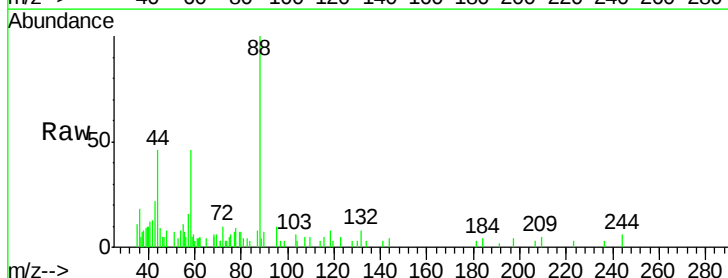
Tgt Ion: 88 Resp: 3652

Ion Ratio Lower Upper

88 100

43 34.6 23.2 34.8

58 63.0 51.4 77.0



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

7.76

2500

2000

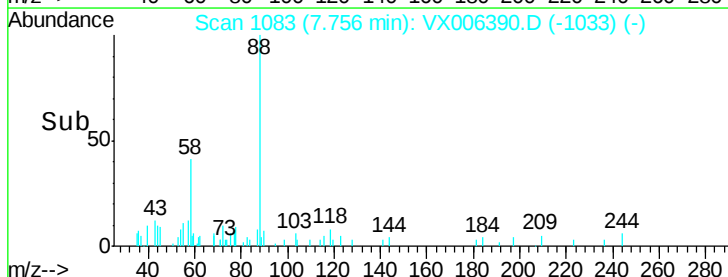
1500

1000

500

0

Time-->





#50

Toluene-d8

Concen: 48.858 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006390.D

Acq: 11 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

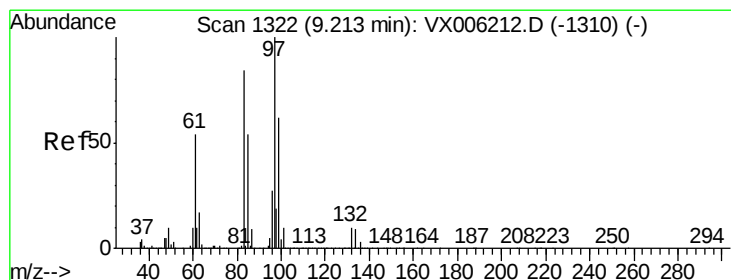
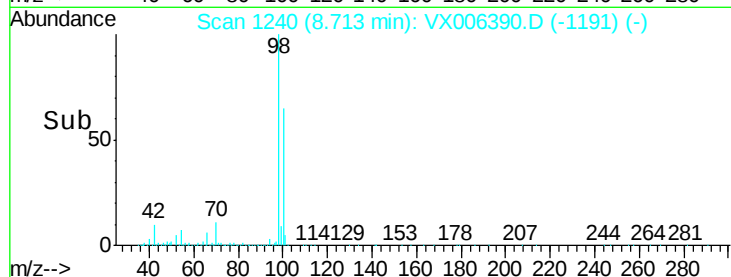
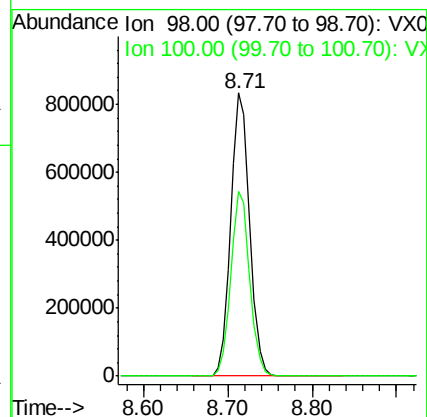
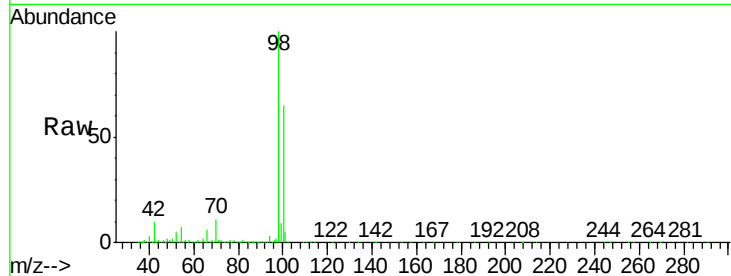
RE-120D2-20181205

Tot Ion: 98 Resp: 1284876

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#55

1,1,2-Trichloroethane

Concen: 0.433 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VX006390.D

Acq: 11 Dec 2018 01:05

Tgt Ion: 97 Resp: 3259

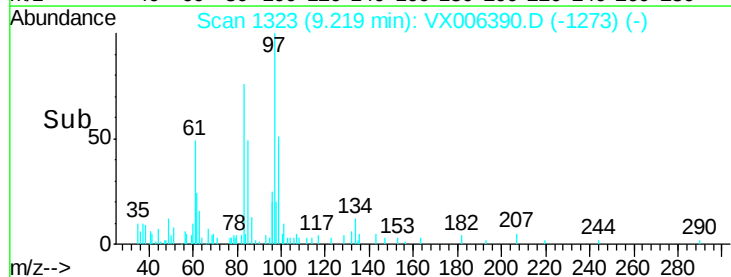
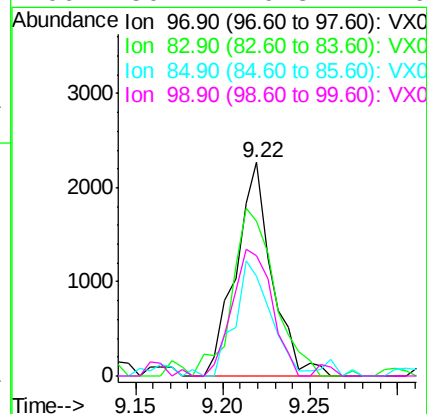
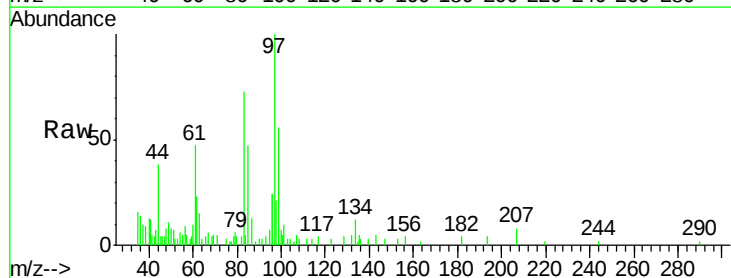
Ion Ratio Lower Upper

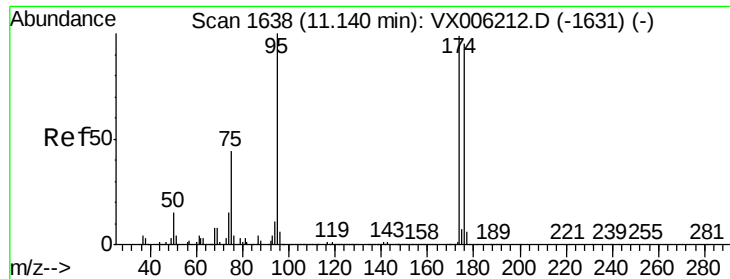
97 100

83 72.7 67.1 100.7

85 47.0 43.2 64.8

99 56.1 49.8 74.6





#62

4-Bromofluorobenzene

Concen: 48.257 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006390.D

Acq: 11 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

RE-120D2-20181205

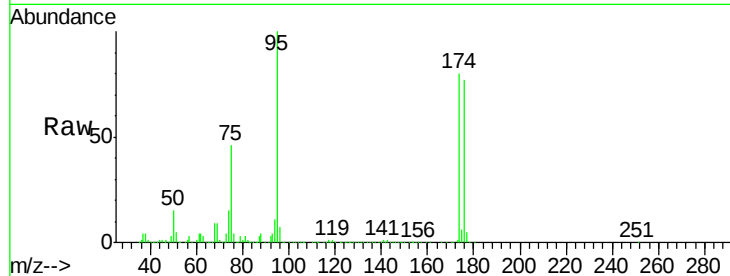
Tot Ion: 95 Resp: 478219

Ion Ratio Lower Upper

95 100

174 87.8 0.0 187.0

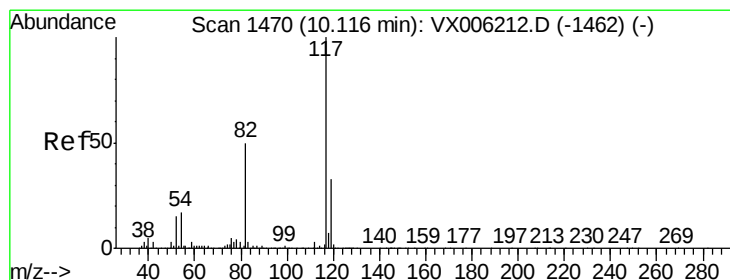
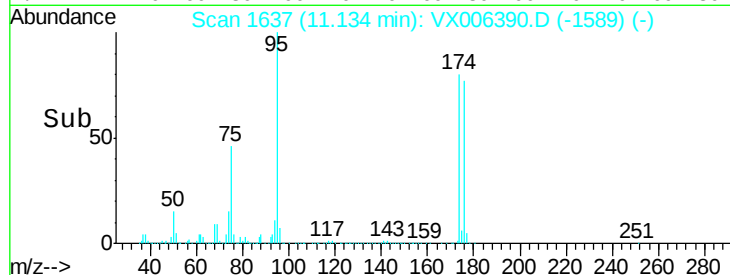
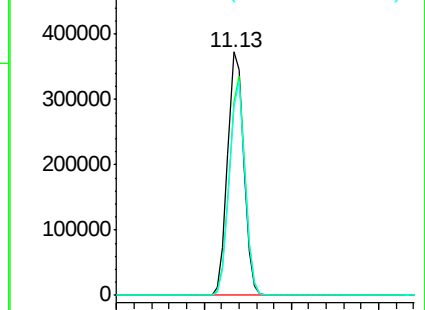
176 85.0 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006390.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX006390.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX006390.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006390.D

Acq: 11 Dec 2018 01:05

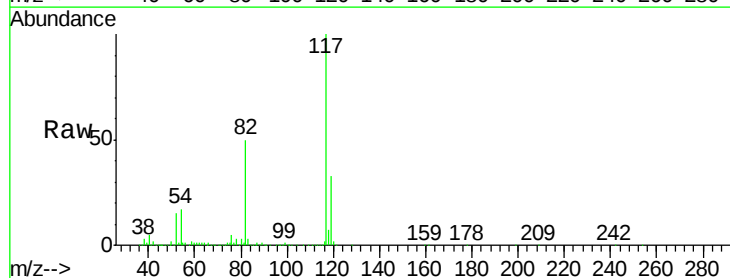
Tgt Ion: 117 Resp: 1006453

Ion Ratio Lower Upper

117 100

82 50.0 39.6 59.4

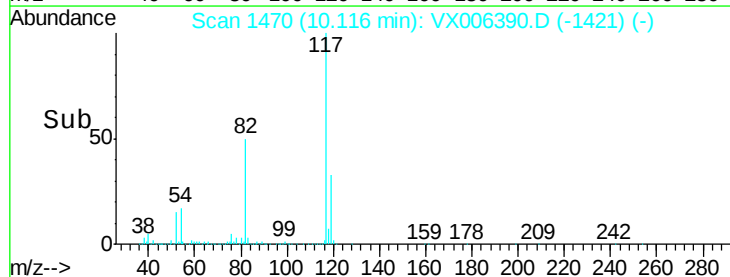
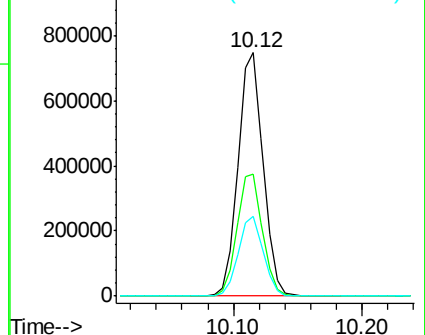
119 32.7 26.3 39.5

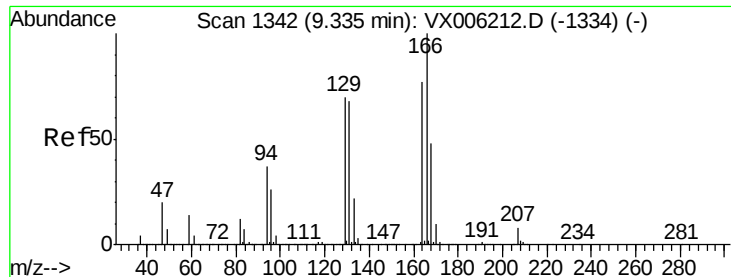


Abundance Ion 116.90 (116.60 to 117.60): VX006390.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX006390.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX006390.D (-1421) (-)

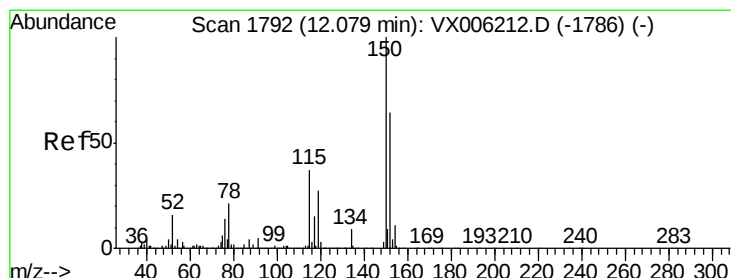
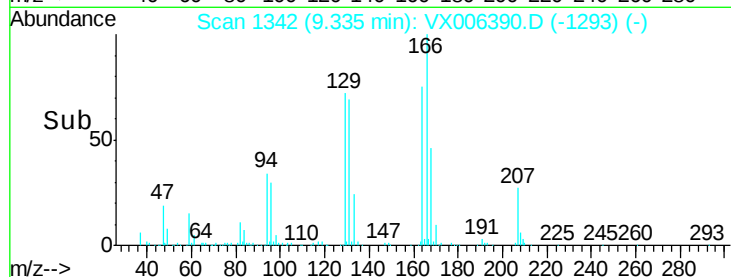
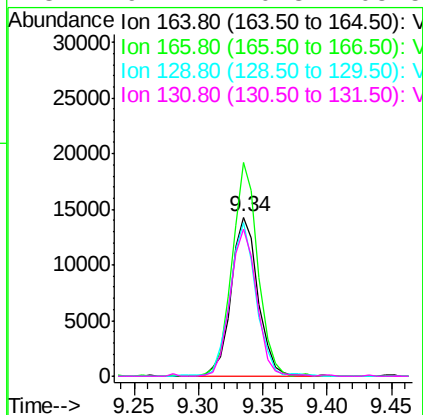
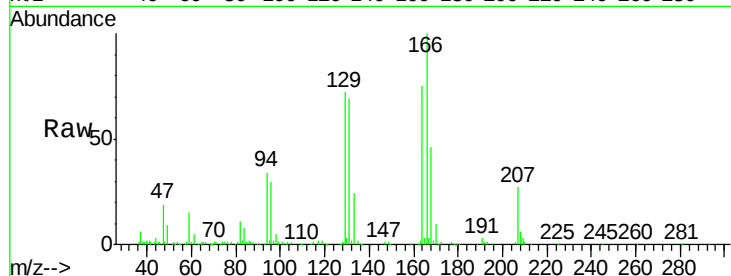




#64
Tetrachloroethene
Concen: 2.740 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006390.D
Acq: 11 Dec 2018 01:05

Instrument :
MSVOA_X
ClientSampleId :
RE-120D2-20181205

Tot Ion:164 Resp: 20768
Ion Ratio Lower Upper
164 100
166 134.2 104.2 156.2
129 96.5 72.6 108.8
131 92.7 70.3 105.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006390.D
Acq: 11 Dec 2018 01:05

Tgt Ion:152 Resp: 477622
Ion Ratio Lower Upper
152 100
115 55.6 39.0 116.9
150 156.6 0.0 345.8

