

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008280.D
 Acq On : 21 Mar 2019 07:51
 Operator : JC/SP
 Sample : K1860-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20190311

Quant Time: Mar 22 08:29:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	462062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	396243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163110	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	198066	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
35) Dibromofluoromethane	5.50	113	150413	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	8.71	98	566266	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	11.13	95	183743	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

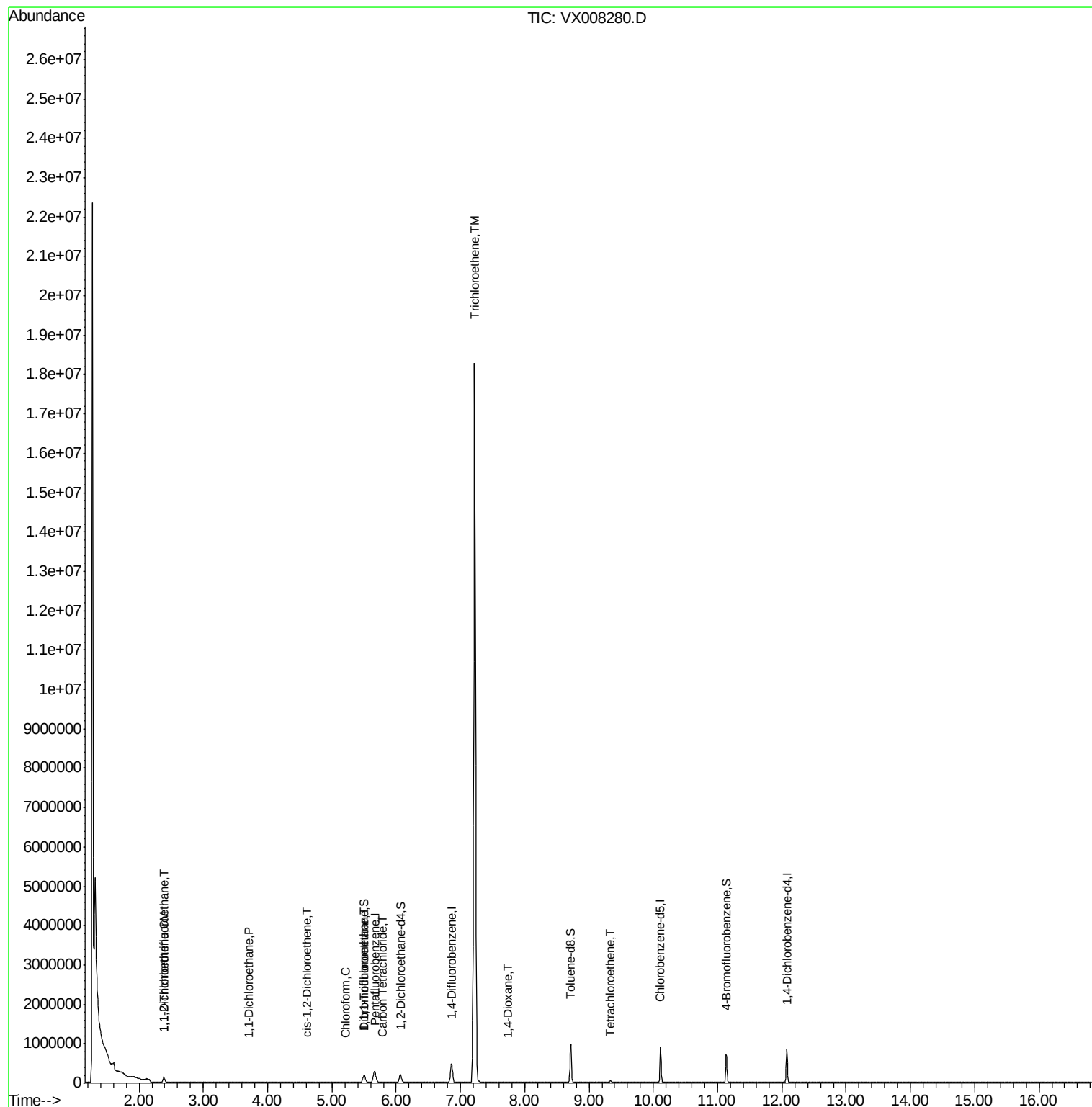
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	42871	11.870	ug/l	92
12) 1,1-Dichloroethene	2.38	96	18227	5.345	ug/l	91
24) 1,1-Dichloroethane	3.70	63	9044	1.210	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	11333	2.699	ug/l	92
30) Chloroform	5.21	83	8174	1.169	ug/l	88
32) 1,1,1-Trichloroethane	5.50	97	2406	0.414	ug/l #	42
38) Carbon Tetrachloride	5.79	117	9532	1.989	ug/l	87
44) Trichloroethene	7.22	130	6553719	1683.363	ug/l	89
49) 1,4-Dioxane	7.74	88	1548	16.185	ug/l #	87
64) Tetrachloroethene	9.34	164	8802	2.462	ug/l	96

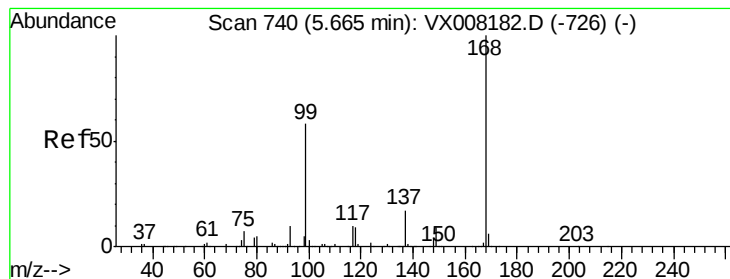
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 19 13:15:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008280.D

Acq: 21 Mar 2019 07:51

Instrument :

MSVOA_X

ClientSampleId :

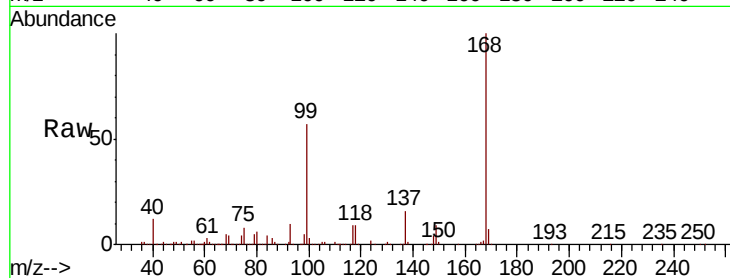
RE105D2-20190311

Tot Ion:168 Resp: 281031

Ion Ratio Lower Upper

168 100

99 56.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

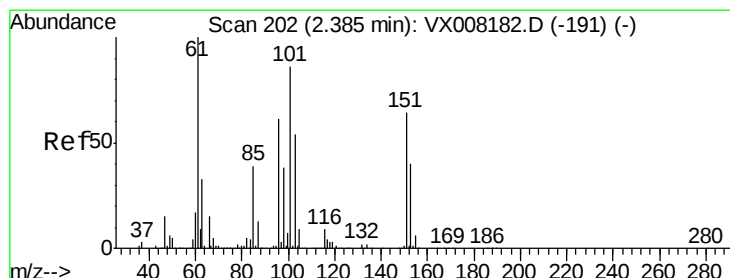
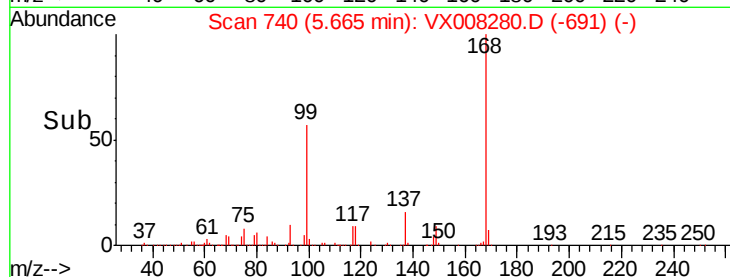
60000

40000

20000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.870 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008280.D

Acq: 21 Mar 2019 07:51

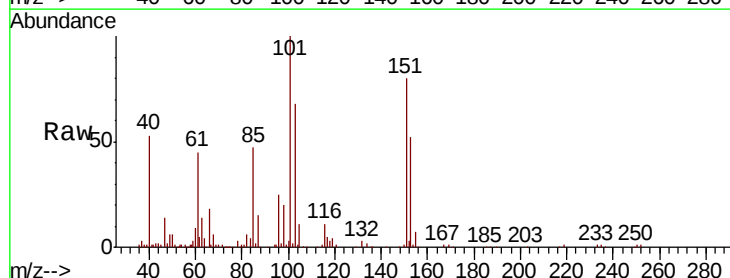
Tgt Ion:101 Resp: 42871

Ion Ratio Lower Upper

101 100

85 45.5 33.8 50.6

151 77.4 69.1 103.7



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

2.39

25000

20000

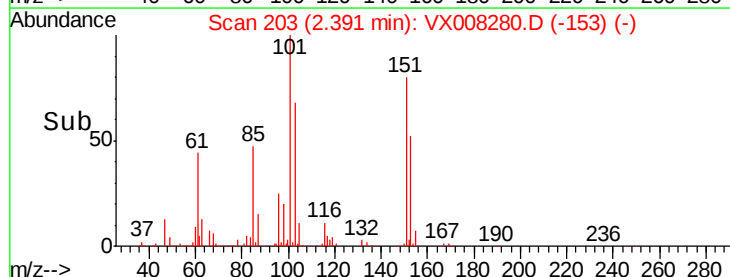
15000

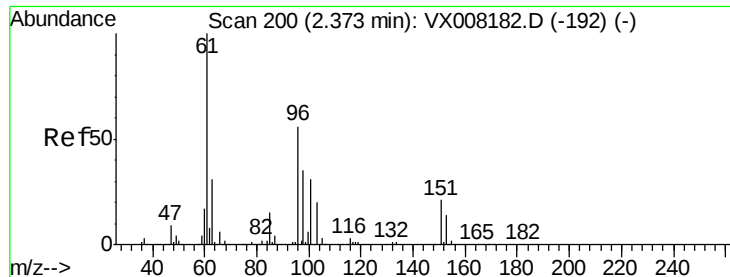
10000

5000

0

Time-->





#12

1,1-Dichloroethene

Concen: 5.345 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX008280.D

Acq: 21 Mar 2019 07:51

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20190311

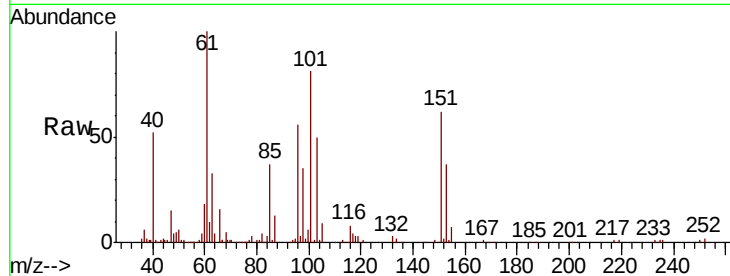
Tot Ion: 96 Resp: 18227

Ion Ratio Lower Upper

96 100

61 177.3 129.8 194.6

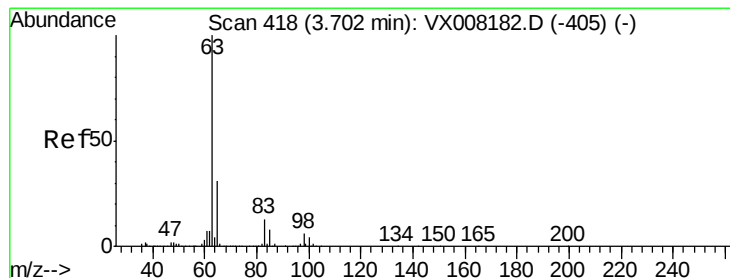
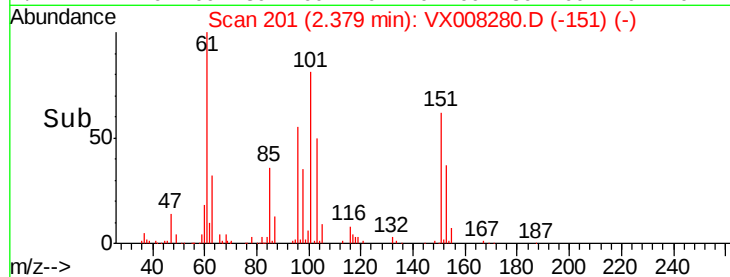
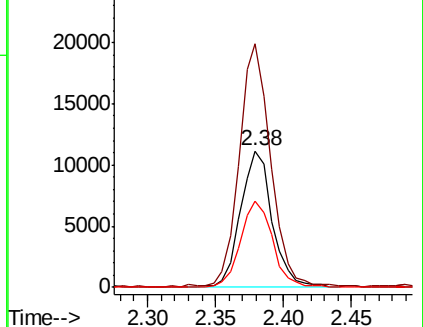
98 62.5 51.0 76.6



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



#24

1,1-Dichloroethane

Concen: 1.210 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008280.D

Acq: 21 Mar 2019 07:51

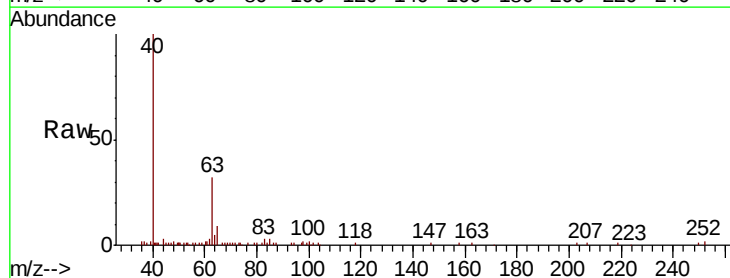
Tgt Ion: 63 Resp: 9044

Ion Ratio Lower Upper

63 100

98 4.6 3.3 9.8

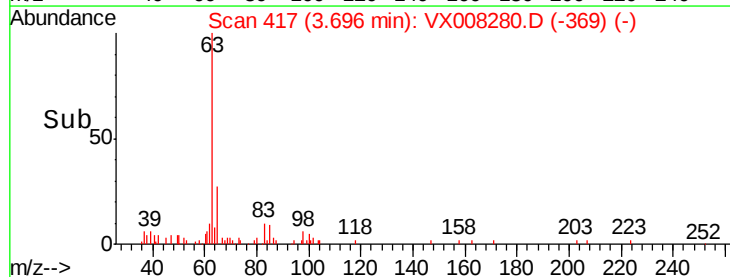
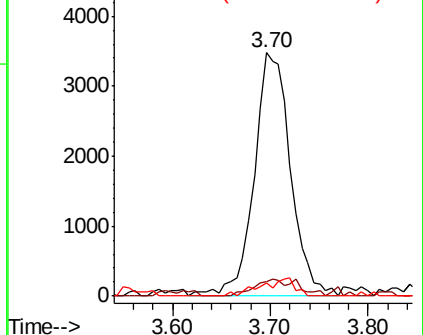
100 5.2 2.3 6.8

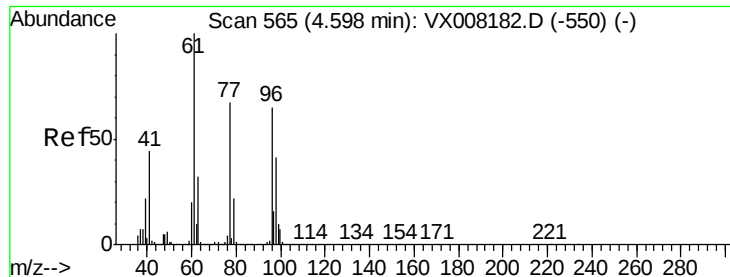


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



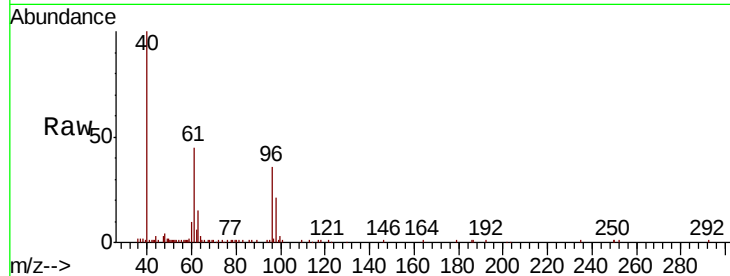


#27

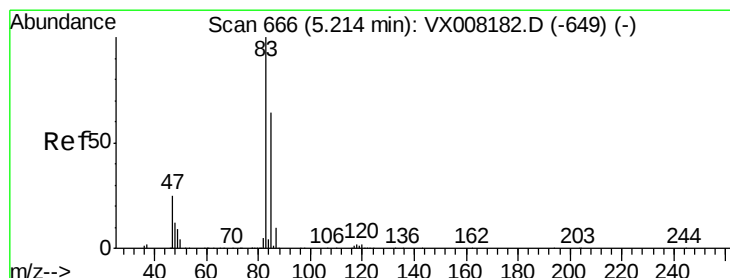
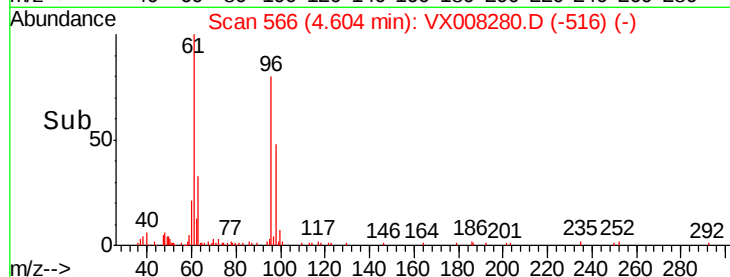
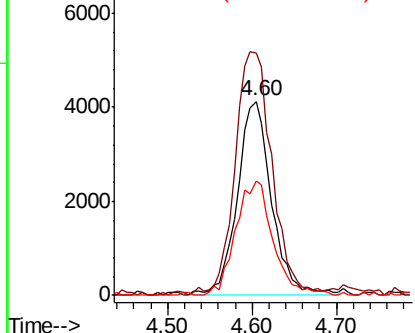
cis-1,2-Dichloroethene
 Concen: 2.699 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX008280.D
 Acq: 21 Mar 2019 07:51

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20190311

Tot Ion: 96 Resp: 11333
 Ion Ratio Lower Upper
 96 100
 61 130.5 0.0 288.0
 98 64.0 0.0 129.0



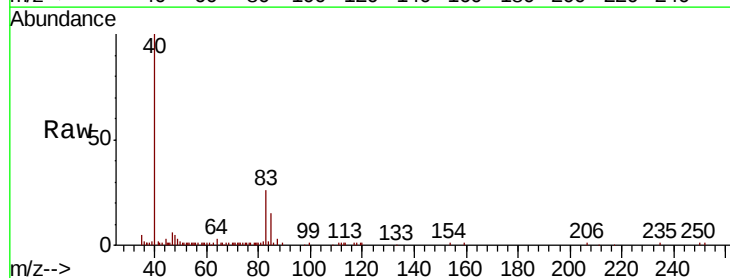
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



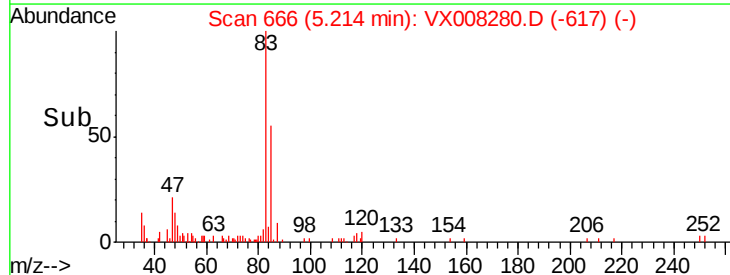
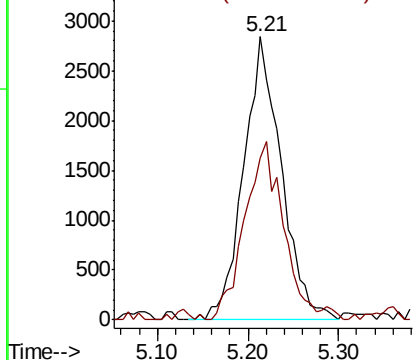
#30

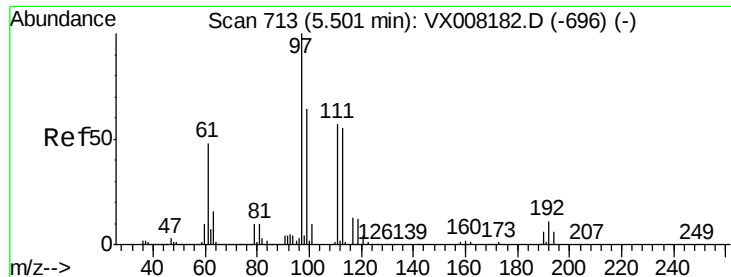
Chloroform
 Concen: 1.169 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VX008280.D
 Acq: 21 Mar 2019 07:51

Tgt Ion: 83 Resp: 8174
 Ion Ratio Lower Upper
 83 100
 85 55.1 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0





#32

1,1,1-Trichloroethane

Concen: 0.414 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008280.D

Acq: 21 Mar 2019 07:51

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20190311

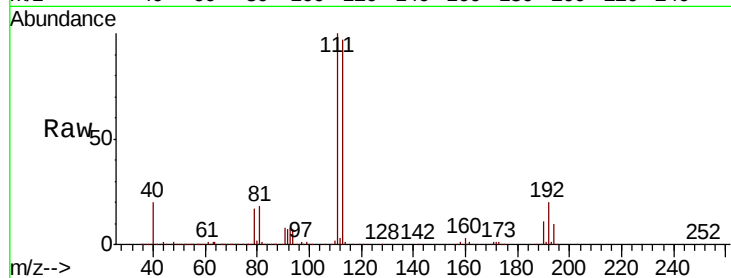
Tot Ion: 97 Resp: 2406

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

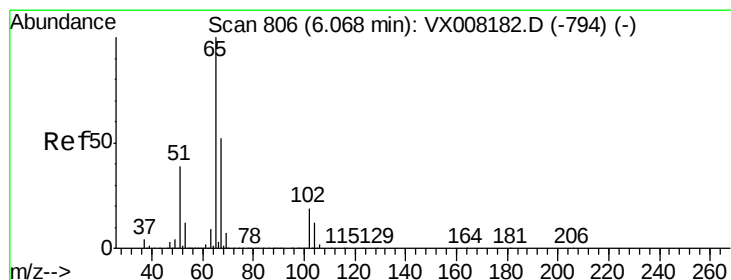
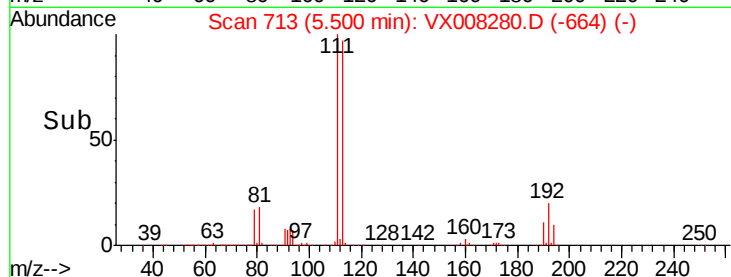
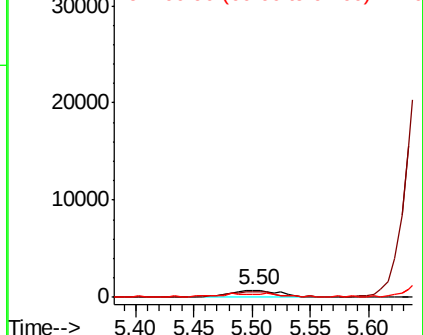
61 29.2 34.9 52.3#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.796 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008280.D

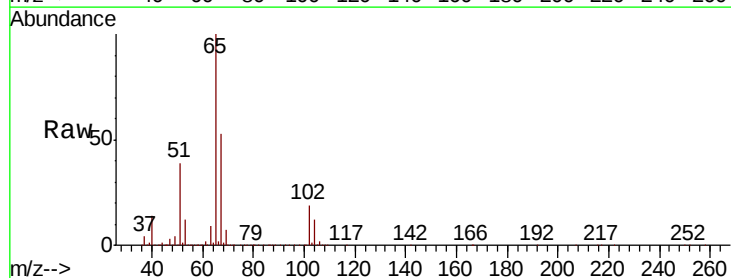
Acq: 21 Mar 2019 07:51

Tgt Ion: 65 Resp: 198066

Ion Ratio Lower Upper

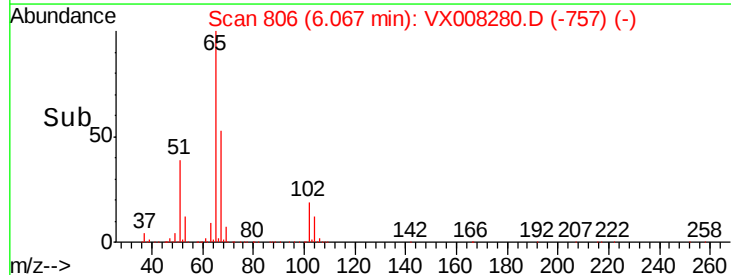
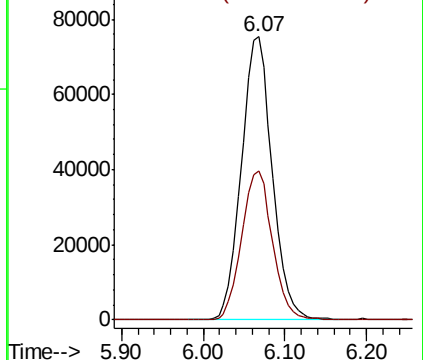
65 100

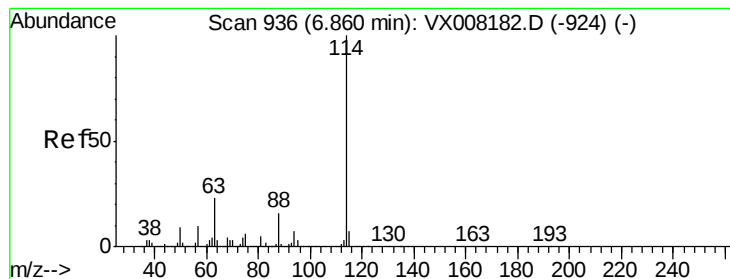
67 52.2 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008280.D

Acq: 21 Mar 2019 07:51

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20190311

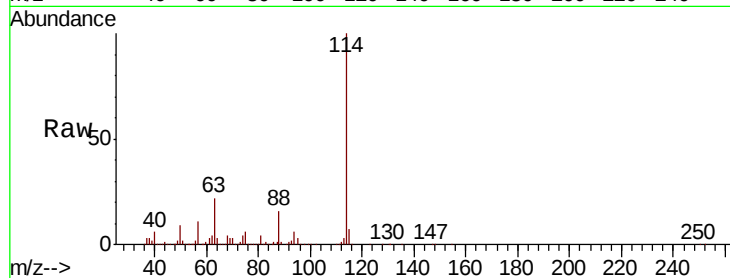
Tot Ion:114 Resp: 462062

Ion Ratio Lower Upper

114 100

63 22.1 0.0 39.8

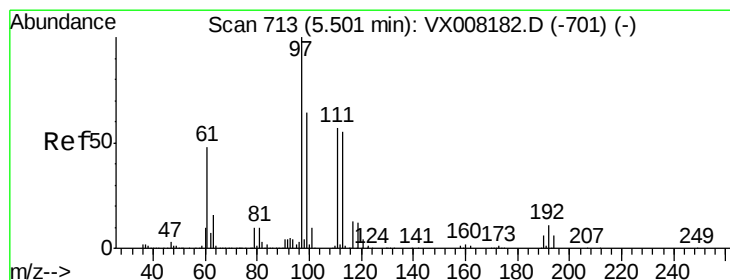
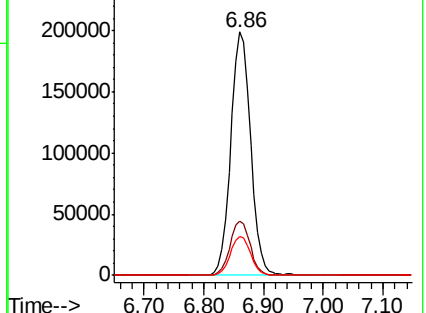
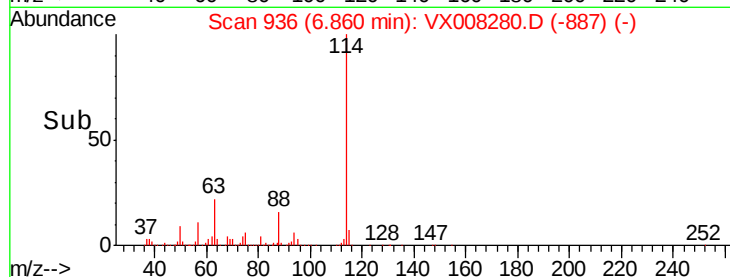
88 16.1 0.0 31.4



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: 48.627 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008280.D

Acq: 21 Mar 2019 07:51

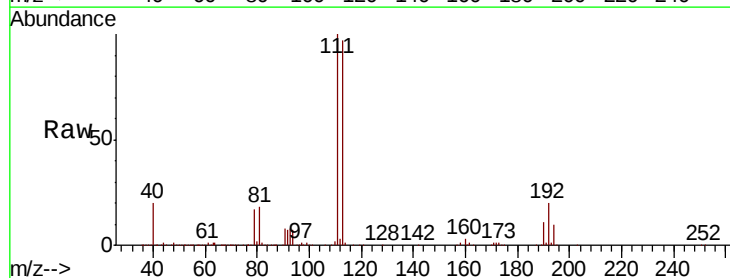
Tgt Ion:113 Resp: 150413

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

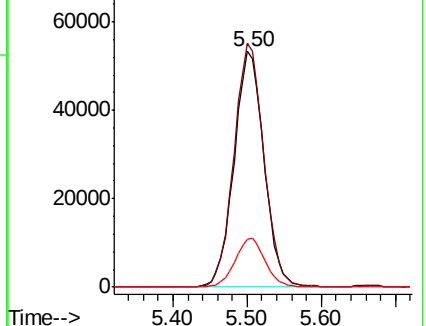
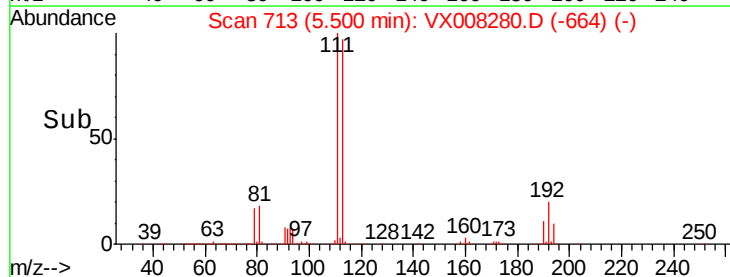
192 20.9 19.4 29.0

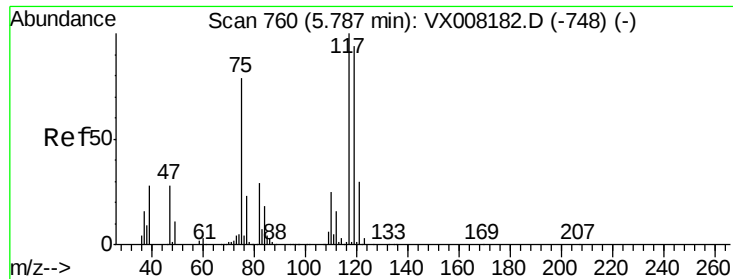


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 1.989 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008280.D

Acq: 21 Mar 2019 07:51

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20190311

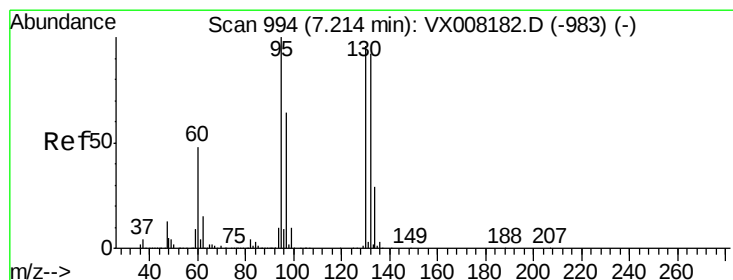
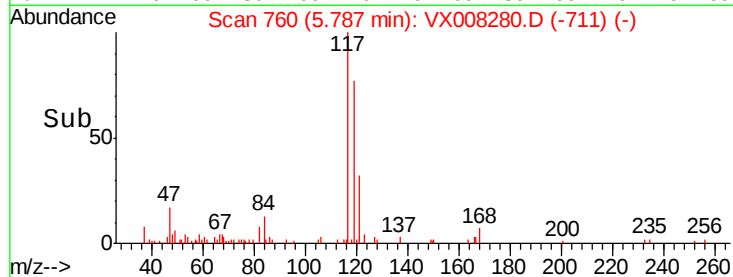
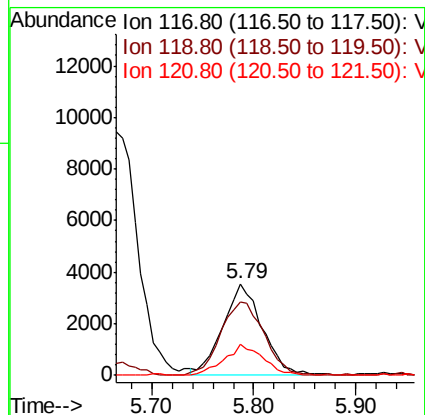
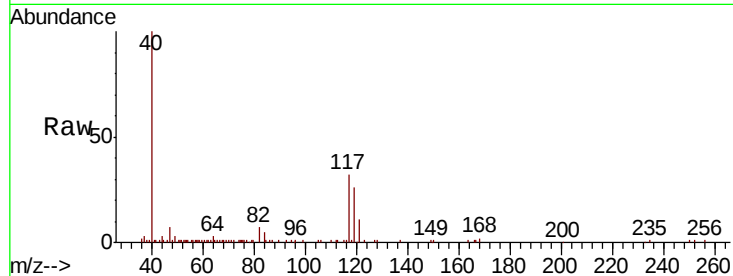
Tot Ion:117 Resp: 9532

Ion Ratio Lower Upper

117 100

119 79.6 76.2 114.2

121 33.6 24.6 36.8



#44

Trichloroethene

Concen: 1683.363 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008280.D

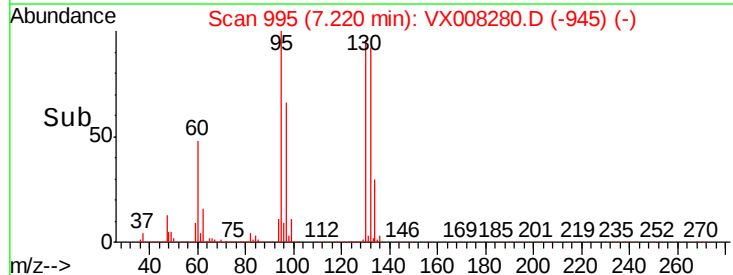
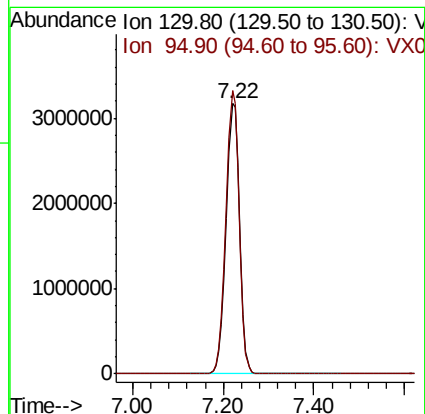
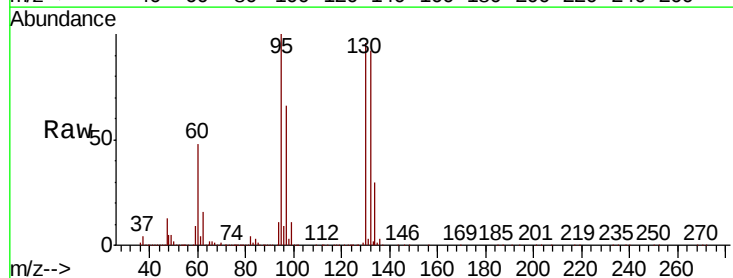
Acq: 21 Mar 2019 07:51

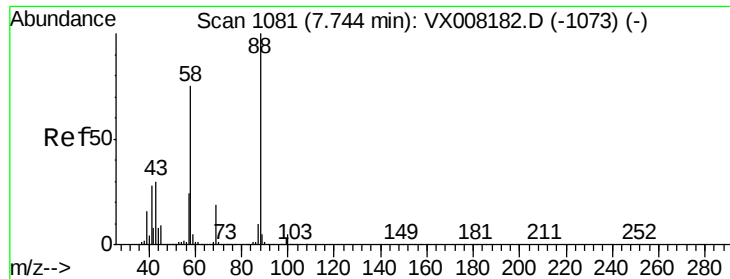
Tgt Ion:130 Resp: 6553719

Ion Ratio Lower Upper

130 100

95 104.6 0.0 188.0

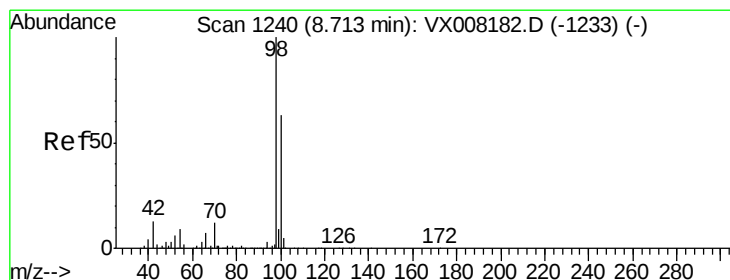
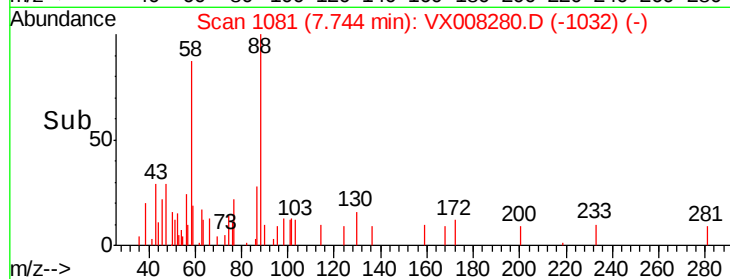
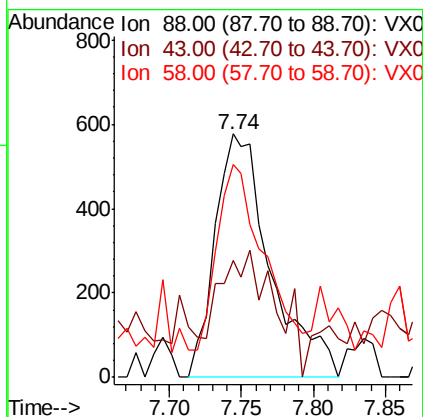
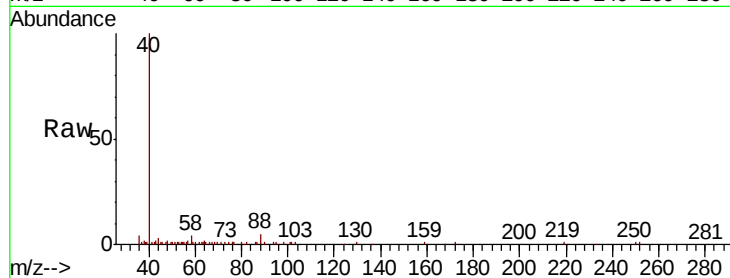




#49
 1,4-Dioxane
 Concen: 16.185 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: VX008280.D
 Acq: 21 Mar 2019 07:51

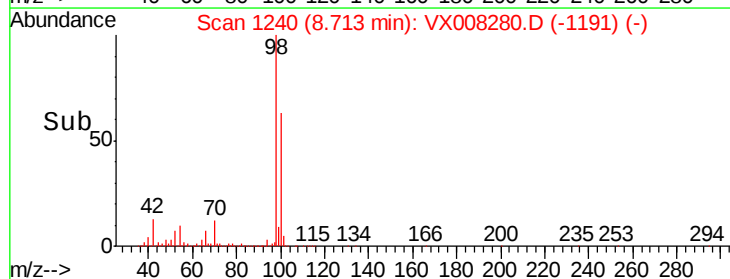
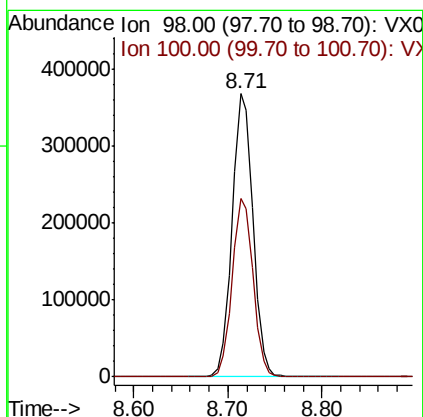
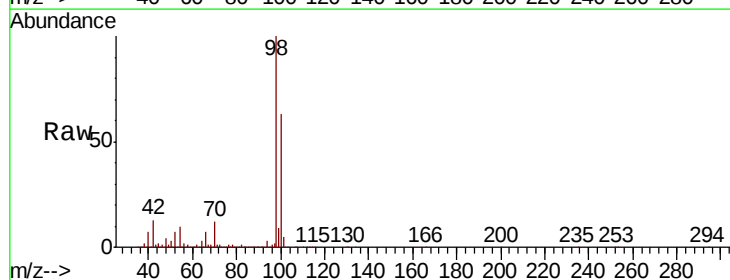
Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20190311

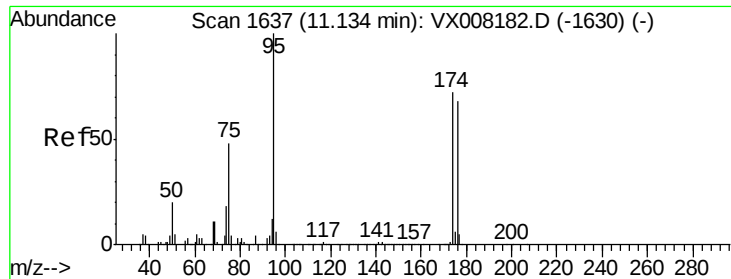
Tot Ion: 88 Resp: 1548
 Ion Ratio Lower Upper
 88 100
 43 51.1 25.1 37.7#
 58 69.6 57.8 86.6



#50
 Toluene-d8
 Concen: 48.286 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008280.D
 Acq: 21 Mar 2019 07:51

Tgt Ion: 98 Resp: 566266
 Ion Ratio Lower Upper
 98 100
 100 62.9 51.7 77.5

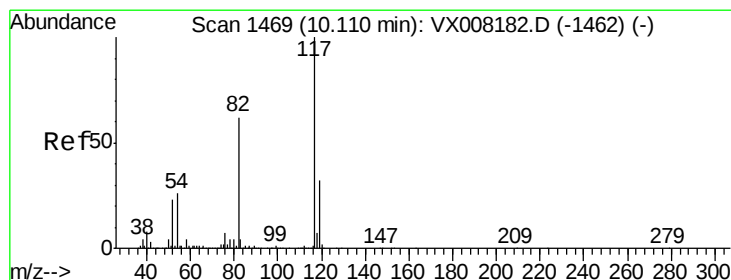
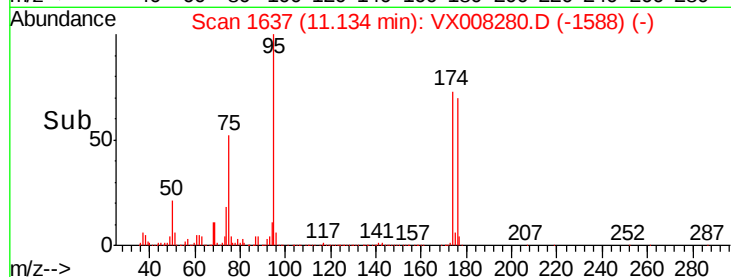
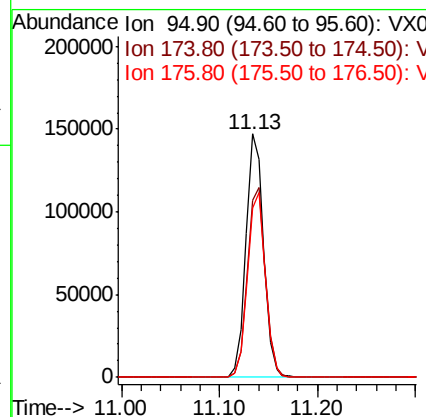
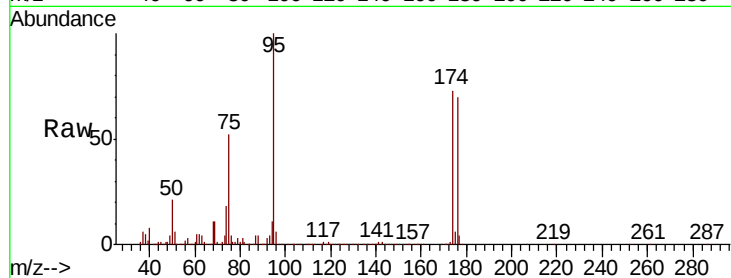




#62
4-Bromofluorobenzene
Concen: 45.504 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008280.D
Acq: 21 Mar 2019 07:51

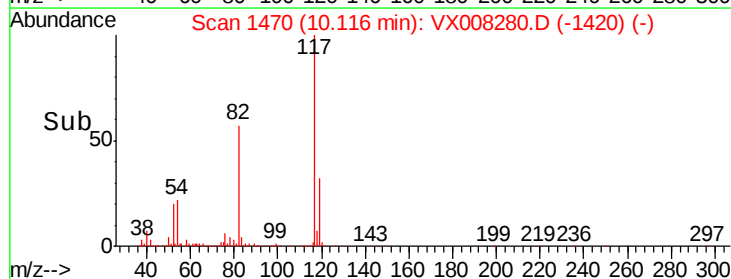
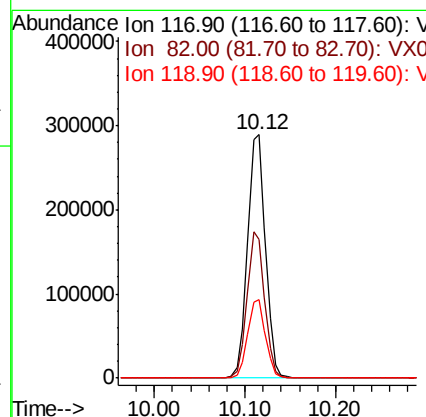
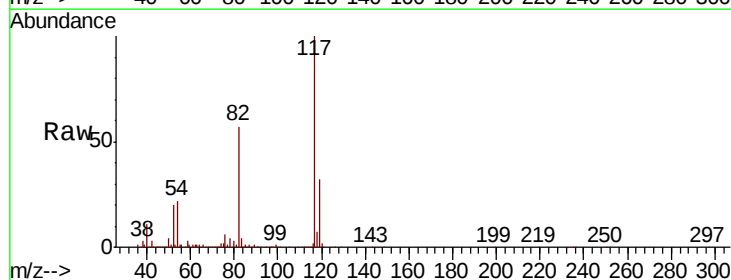
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20190311

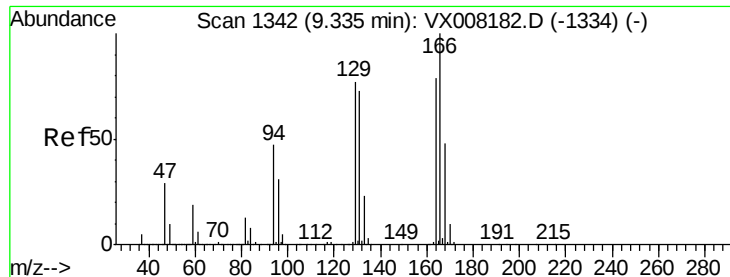
Tot Ion: 95 Resp: 183743
Ion Ratio Lower Upper
95 100
174 79.9 0.0 182.8
176 77.2 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008280.D
Acq: 21 Mar 2019 07:51

Tgt Ion: 117 Resp: 396243
Ion Ratio Lower Upper
117 100
82 56.8 44.3 66.5
119 32.0 25.3 37.9





#64

Tetrachloroethene

Concen: 2.462 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008280.D

Acq: 21 Mar 2019 07:51

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20190311

Tot Ion:164 Resp: 8802

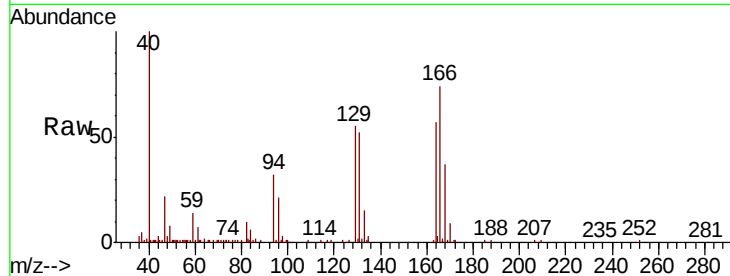
Ion Ratio Lower Upper

164 100

166 130.2 103.4 155.0

129 97.6 72.2 108.4

131 91.3 69.4 104.2

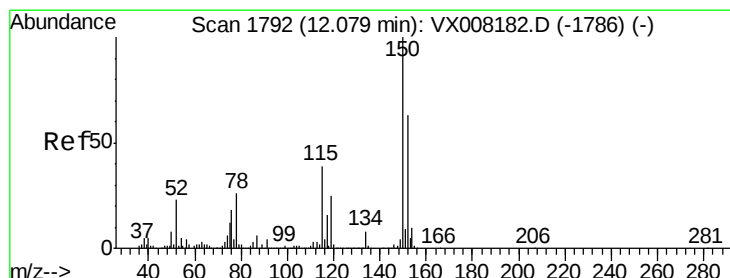
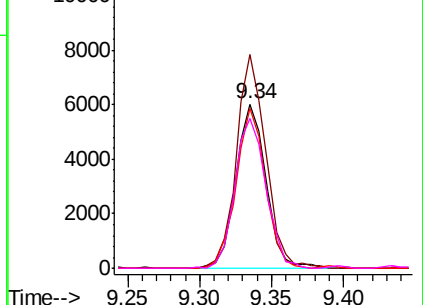
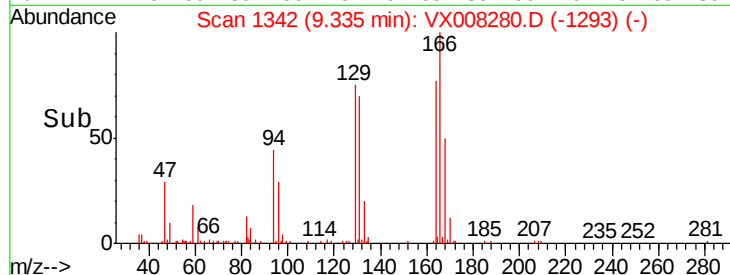


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX008280.D

Acq: 21 Mar 2019 07:51

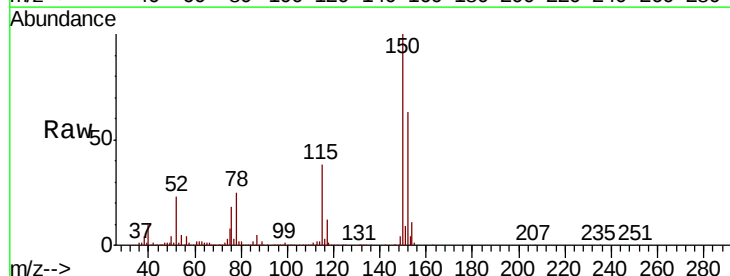
Tgt Ion:152 Resp: 163110

Ion Ratio Lower Upper

152 100

115 59.9 38.6 115.7

150 156.8 0.0 348.4



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

