

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012449.D
 Acq On : 17 Sep 2019 22:14
 Operator : JC/SP
 Sample : K4858-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20190909

Quant Time: Sep 18 08:41:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	153701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	248423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	212471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88980	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	107923	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	5.49	113	75813	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	8.71	98	287255	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.14	95	106287	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

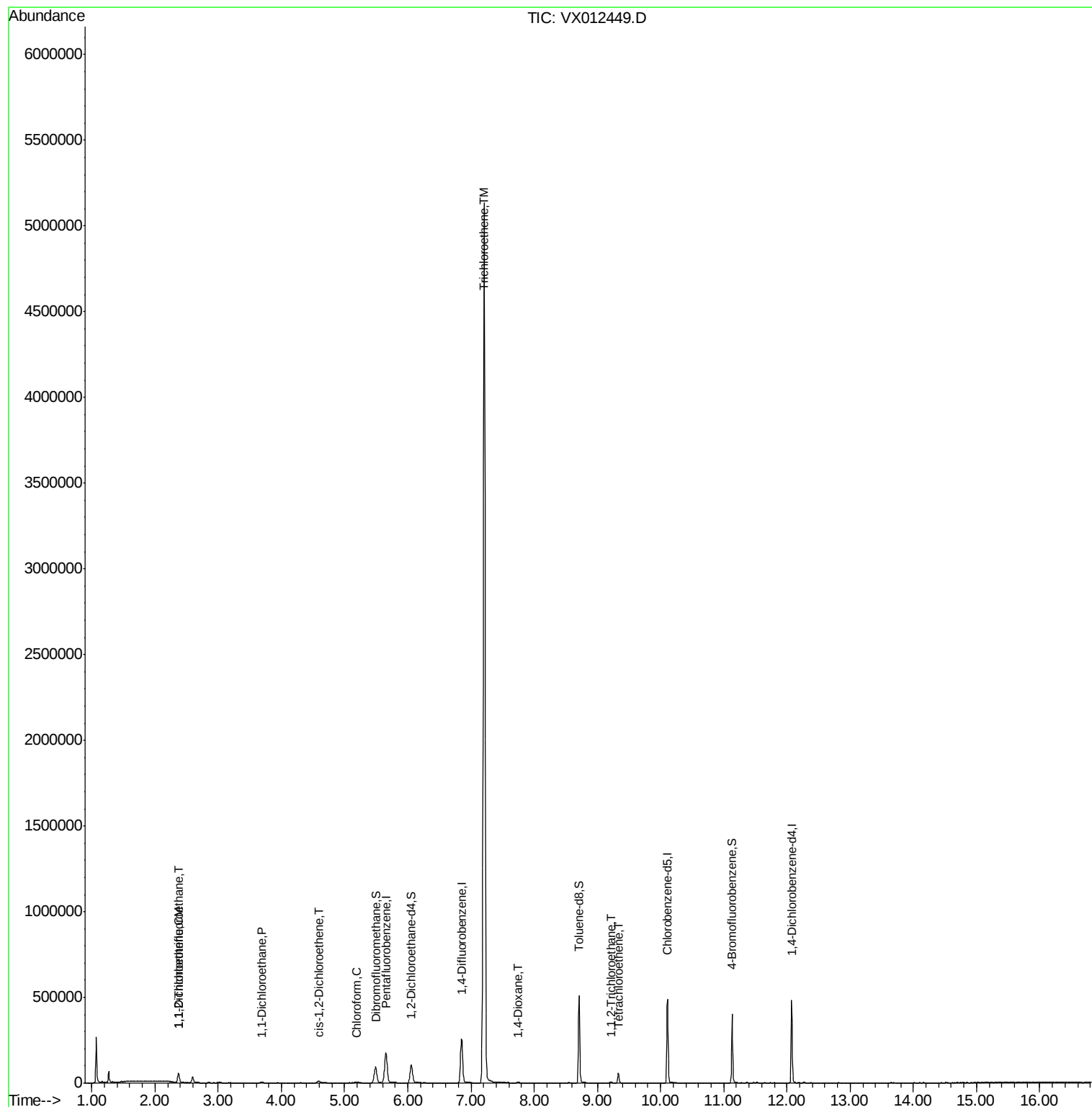
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	15404	12.716	ug/l	98
12) 1,1-Dichloroethene	2.37	96	7669	7.936	ug/l	95
24) 1,1-Dichloroethane	3.69	63	3208	1.273	ug/l #	96
27) cis-1,2-Dichloroethene	4.59	96	6300	4.203	ug/l	81
30) Chloroform	5.20	83	3127	1.080	ug/l #	81
44) Trichloroethene	7.21	130	1910586	1512.808	ug/l	96
49) 1,4-Dioxane	7.74	88	1860	38.976	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	1505	0.944	ug/l	89
64) Tetrachloroethene	9.33	164	9707	9.970	ug/l	97

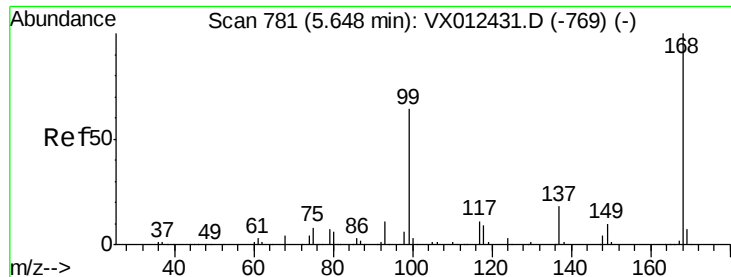
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 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: VX012449.D

Acq: 17 Sep 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

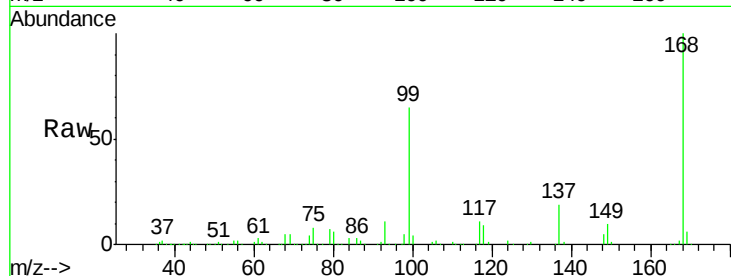
RE103D1-20190909

Tot Ion:168 Resp: 153701

Ion Ratio Lower Upper

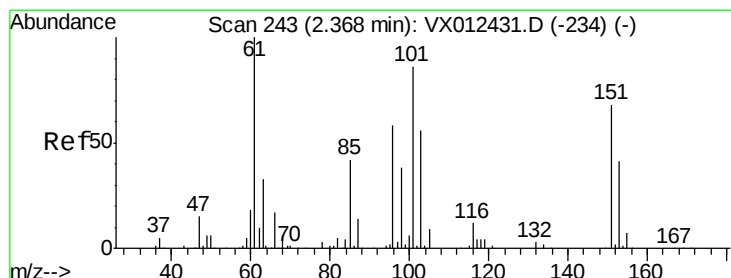
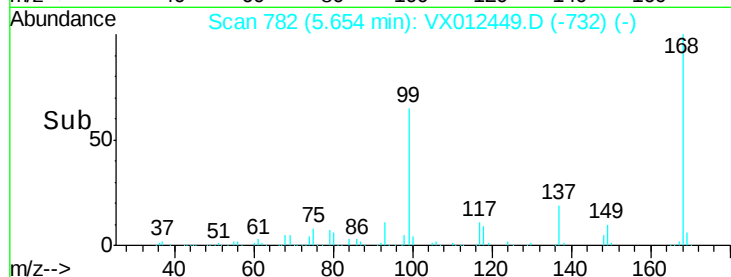
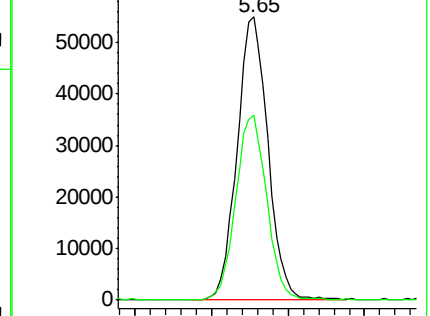
168 100

99 65.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.716 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012449.D

Acq: 17 Sep 2019 22:14

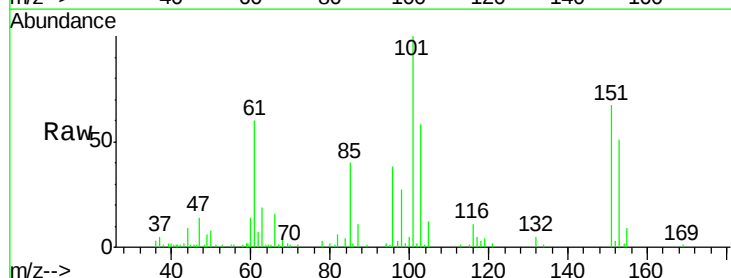
Tgt Ion:101 Resp: 15404

Ion Ratio Lower Upper

101 100

85 45.8 37.3 55.9

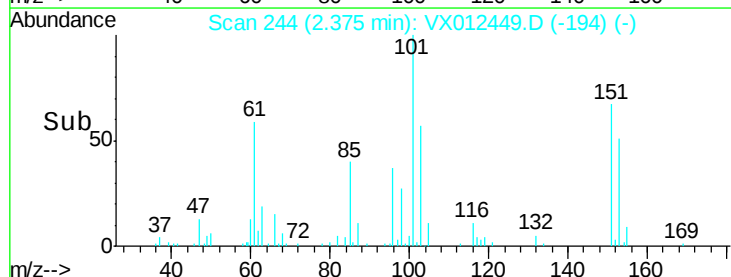
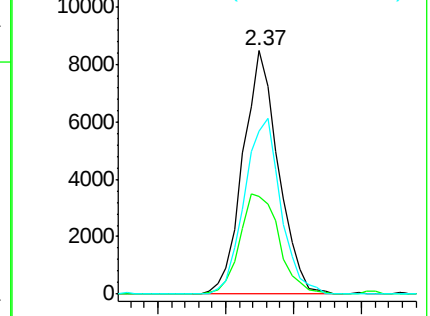
151 73.9 61.0 91.4

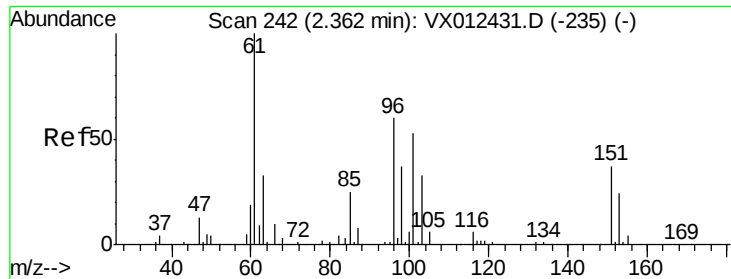


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 7.936 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX012449.D

Acq: 17 Sep 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20190909

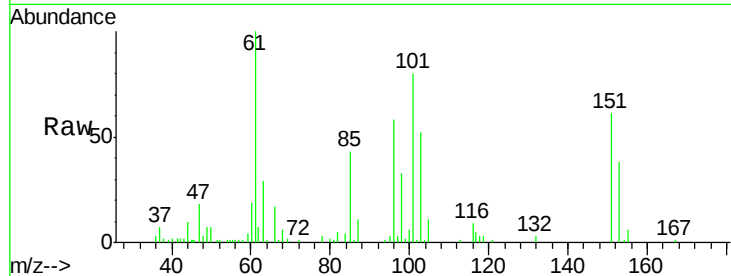
Tot Ion: 96 Resp: 7669

Ion Ratio Lower Upper

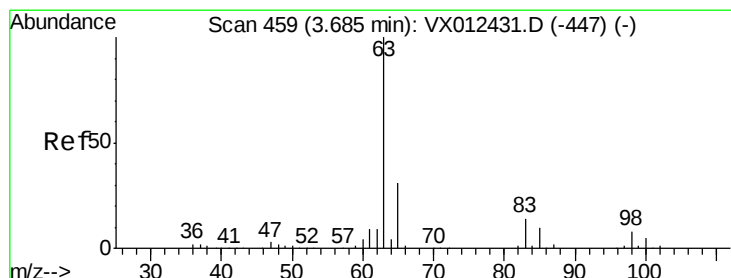
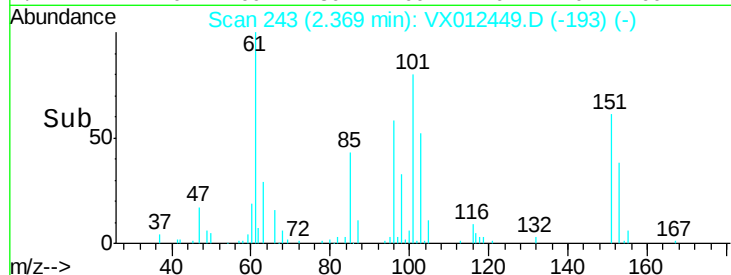
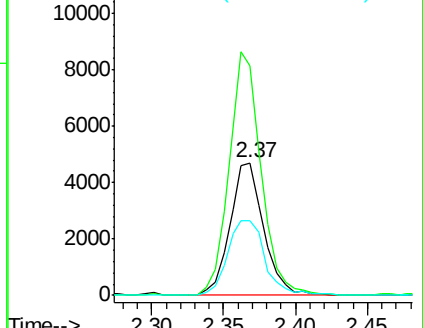
96 100

61 173.0 133.8 200.6

98 56.3 49.9 74.9



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: 1.273 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012449.D

Acq: 17 Sep 2019 22:14

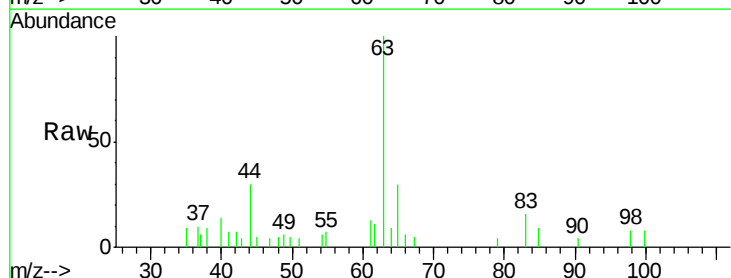
Tgt Ion: 63 Resp: 3208

Ion Ratio Lower Upper

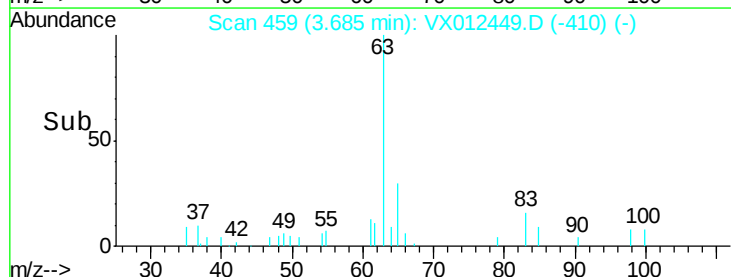
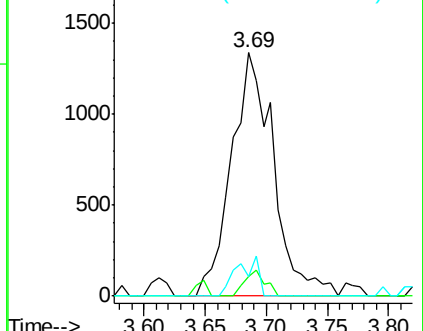
63 100

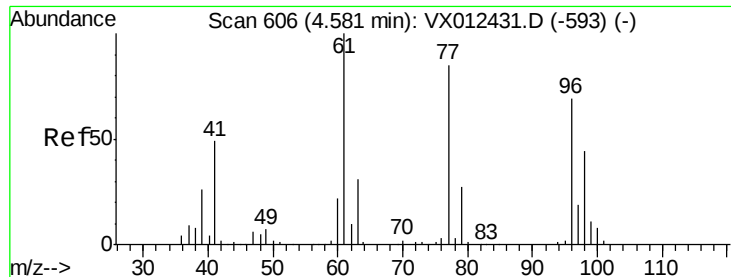
98 8.1 3.9 11.7

100 8.1 2.3 6.9#



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



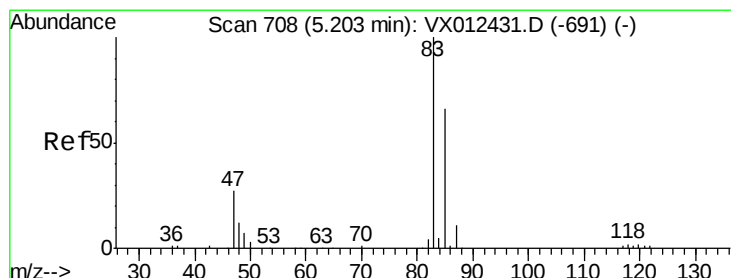
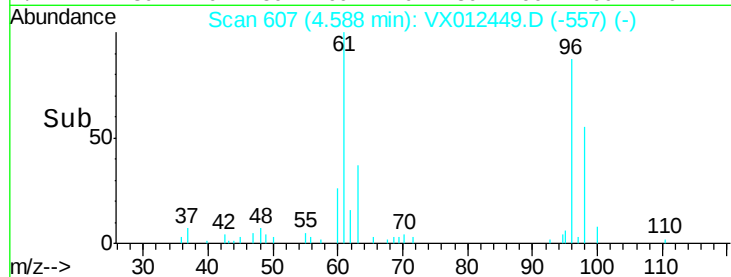
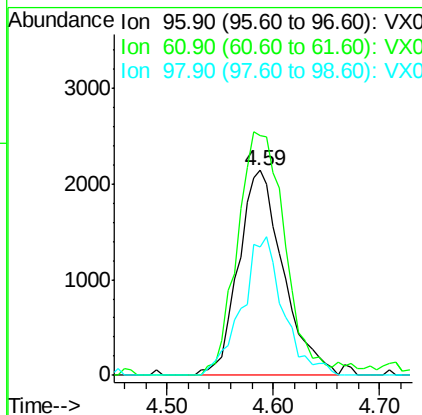
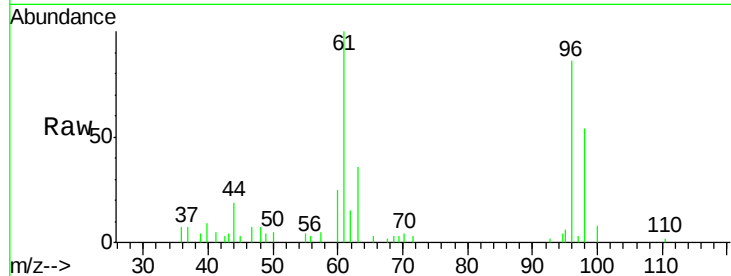


#27

cis-1,2-Dichloroethene
 Concen: 4.203 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012449.D
 Acq: 17 Sep 2019 22:14

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20190909

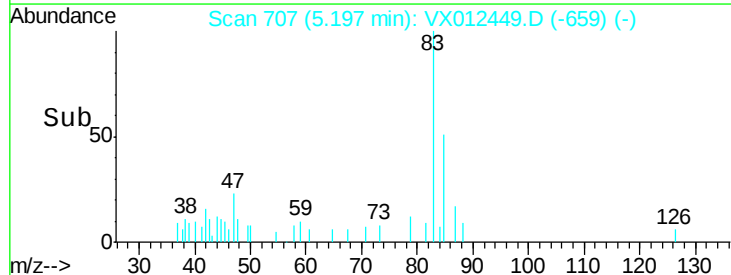
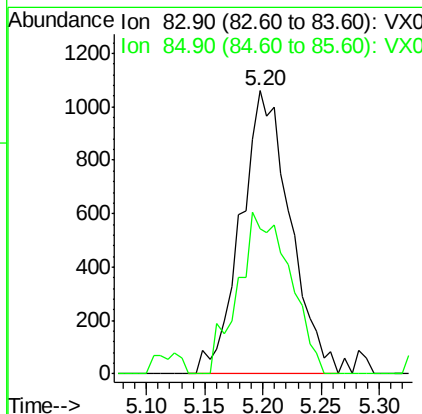
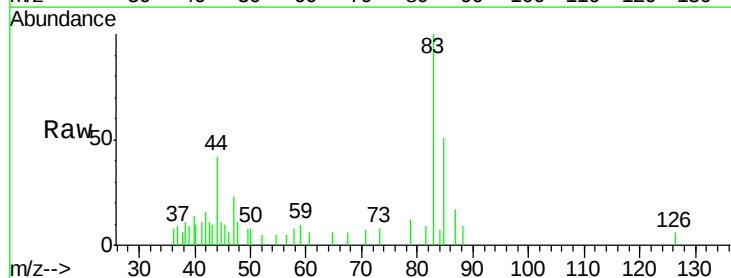
Tot Ion: 96 Resp: 6300
 Ion Ratio Lower Upper
 96 100
 61 125.7 0.0 319.4
 98 63.0 0.0 130.6

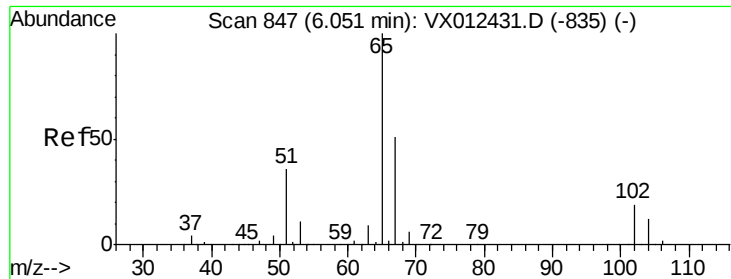


#30

Chloroform
 Concen: 1.080 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VX012449.D
 Acq: 17 Sep 2019 22:14

Tgt Ion: 83 Resp: 3127
 Ion Ratio Lower Upper
 83 100
 85 51.2 53.0 79.4#

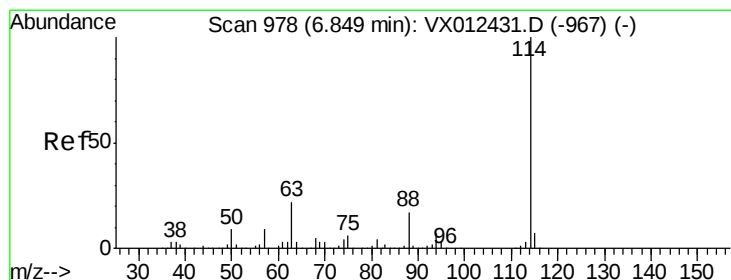
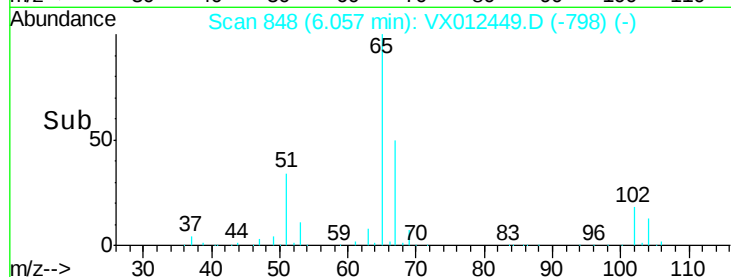
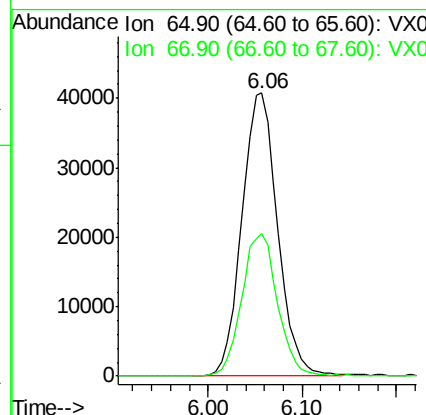
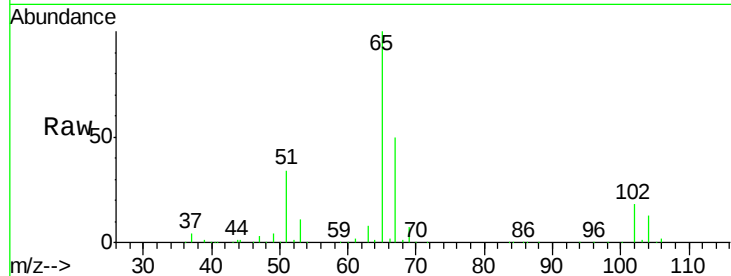




#33
 1,2-Dichloroethane-d4
 Concen: 48.993 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012449.D
 Acq: 17 Sep 2019 22:14

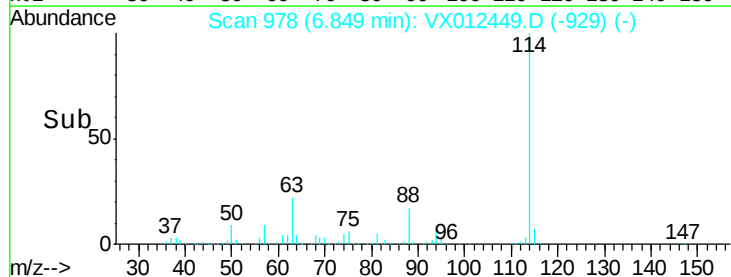
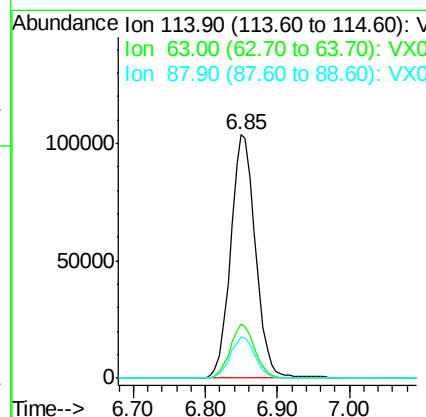
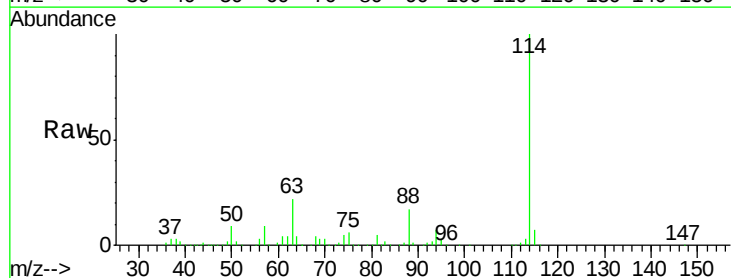
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20190909

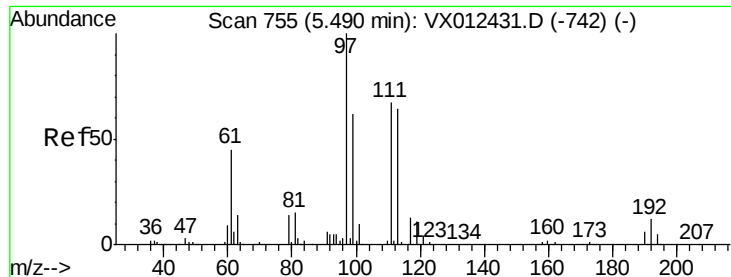
Tot Ion: 65 Resp: 107923
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012449.D
 Acq: 17 Sep 2019 22:14

Tgt Ion: 114 Resp: 248423
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 17.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.421 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012449.D

Acq: 17 Sep 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20190909

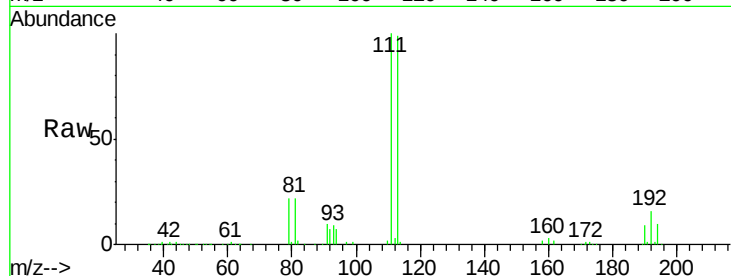
Tot Ion:113 Resp: 75813

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

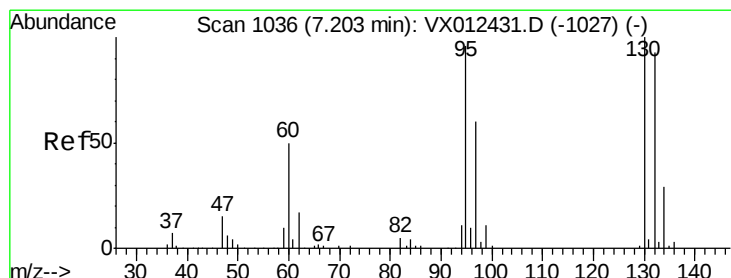
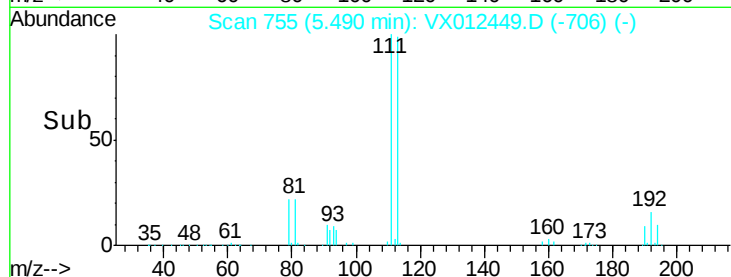
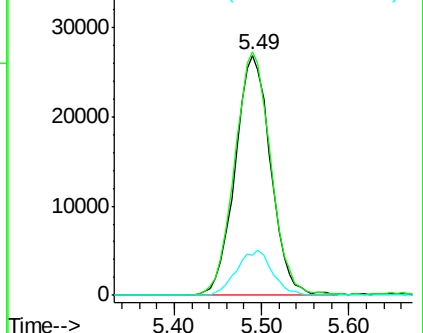
192 18.9 14.4 21.6



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: 1512.808 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012449.D

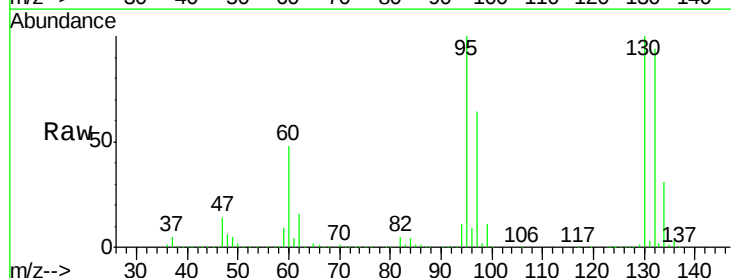
Acq: 17 Sep 2019 22:14

Tgt Ion:130 Resp: 1910586

Ion Ratio Lower Upper

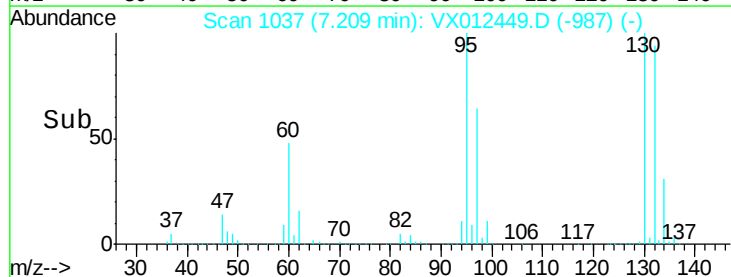
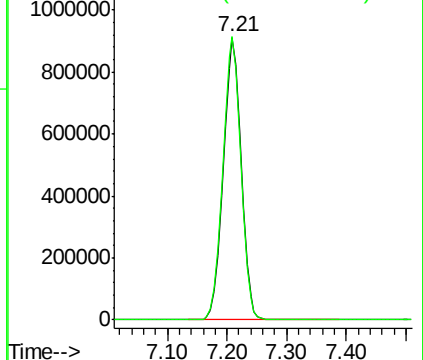
130 100

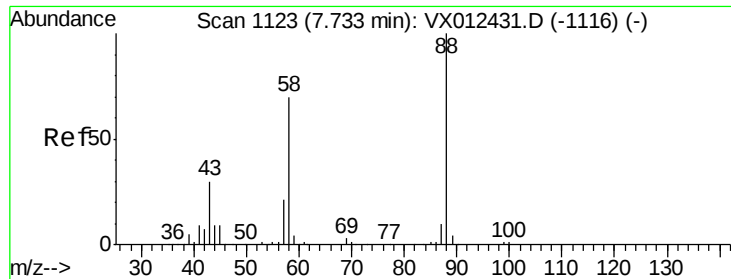
95 100.3 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

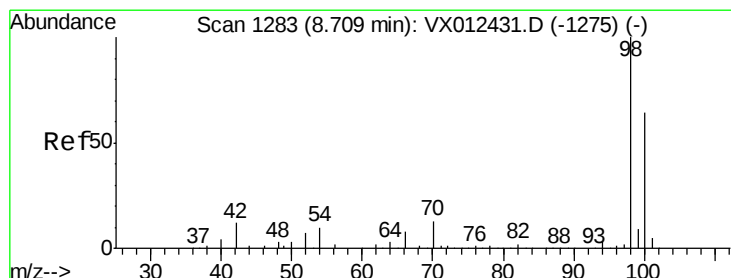
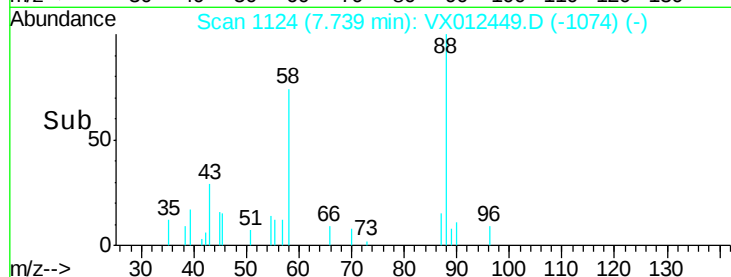
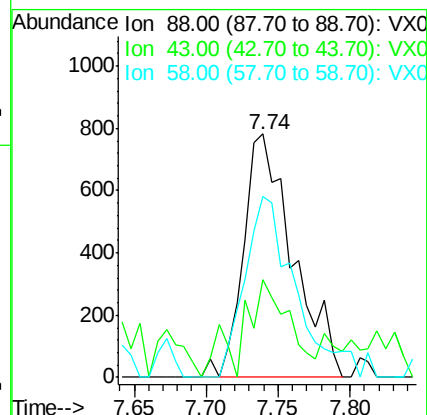
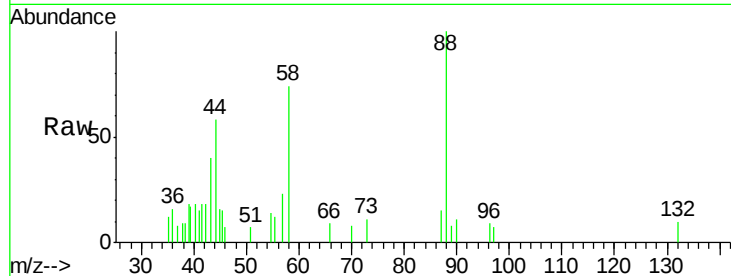




#49
1,4-Dioxane
Concen: 38.976 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012449.D
Acq: 17 Sep 2019 22:14

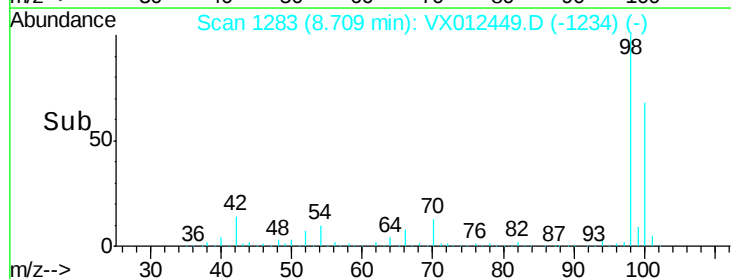
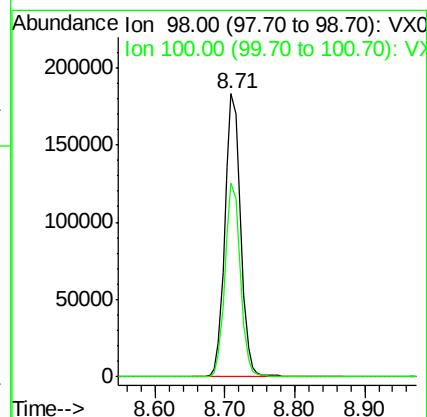
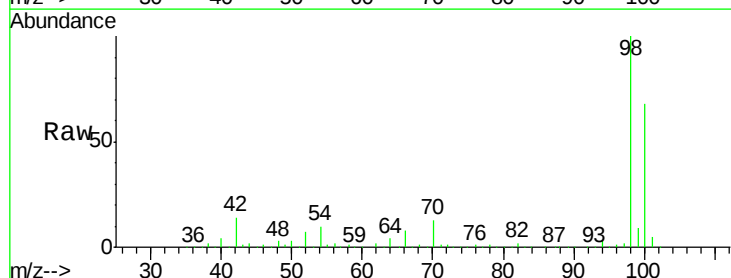
Instrument :
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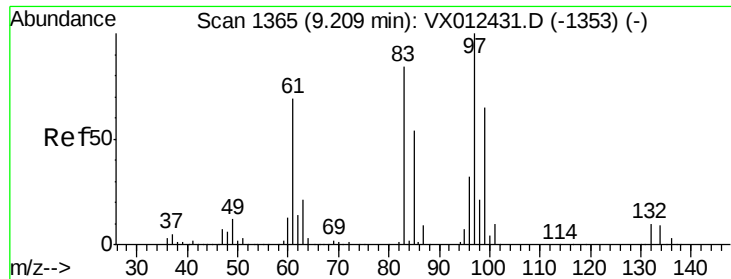
Tot Ion: 88 Resp: 1860
Ion Ratio Lower Upper
88 100
43 32.2 29.4 44.0
58 77.4 57.5 86.3



#50
Toluene-d8
Concen: 51.614 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012449.D
Acq: 17 Sep 2019 22:14

Tgt Ion: 98 Resp: 287255
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2

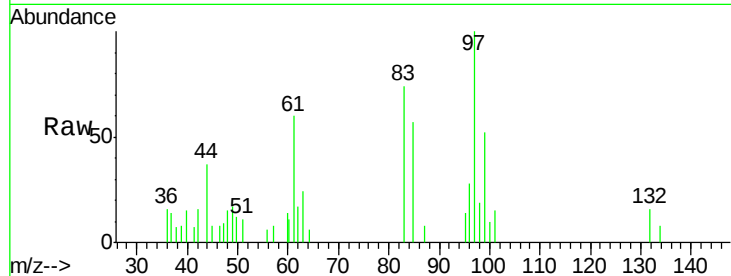




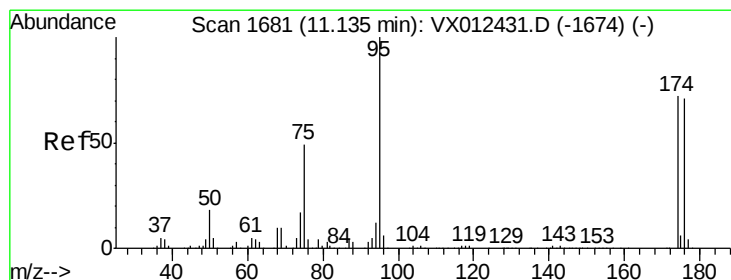
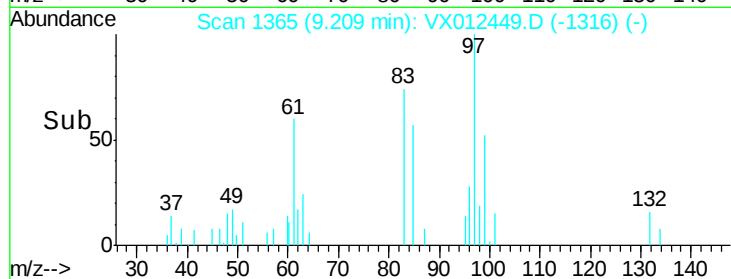
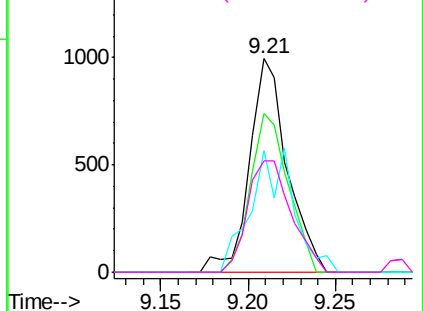
#55
 1,1,2-Trichloroethane
 Concen: 0.944 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012449.D
 Acq: 17 Sep 2019 22:14

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20190909

Tot Ion:	97	Resp:	1505
Ion	Ratio	Lower	Upper
97	100		
83	74.2	67.4	101.2
85	56.9	43.5	65.3
99	51.9	51.8	77.8

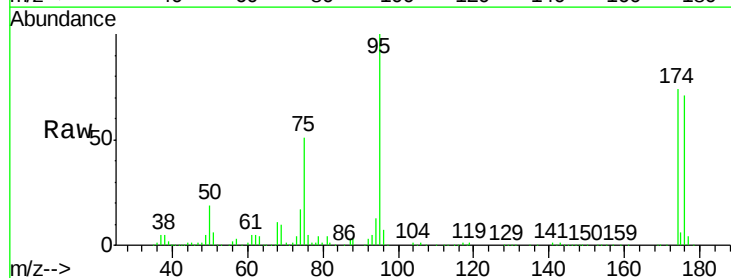


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

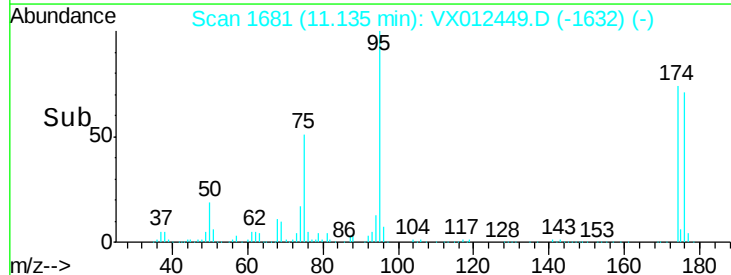
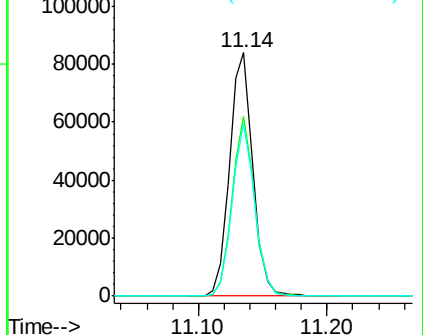


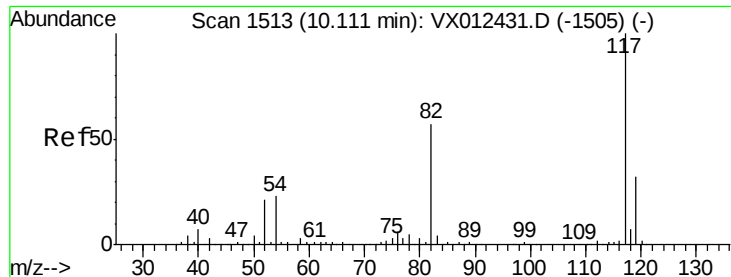
#62
 4-Bromofluorobenzene
 Concen: 45.995 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012449.D
 Acq: 17 Sep 2019 22:14

Tgt Ion:	95	Resp:	106287
Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	140.0
176	69.0	0.0	135.4



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: VX012449.D

Acq: 17 Sep 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20190909

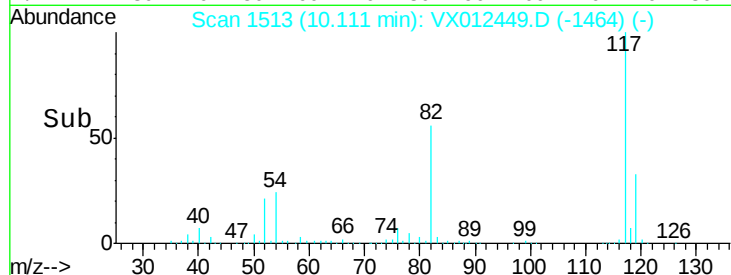
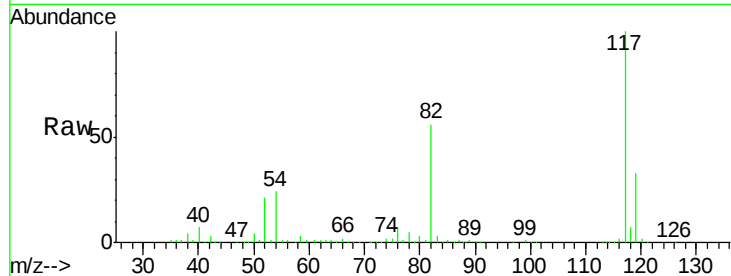
Tot Ion:117 Resp: 212471

Ion Ratio Lower Upper

117 100

82 56.3 45.9 68.9

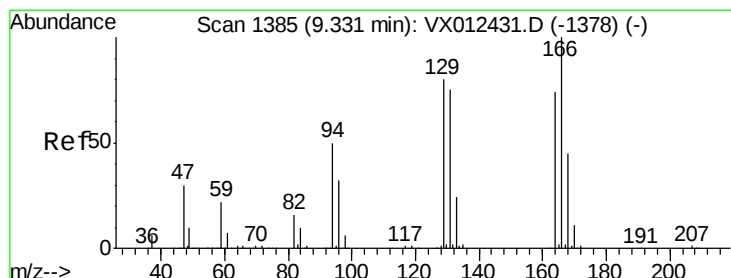
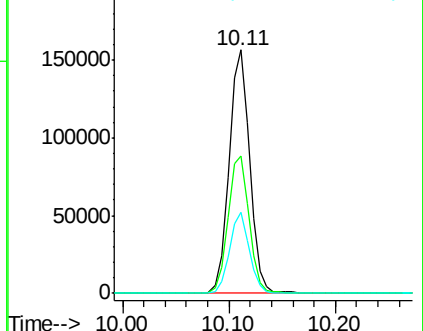
119 33.4 25.3 37.9



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: 9.970 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012449.D

Acq: 17 Sep 2019 22:14

Tgt Ion:164 Resp: 9707

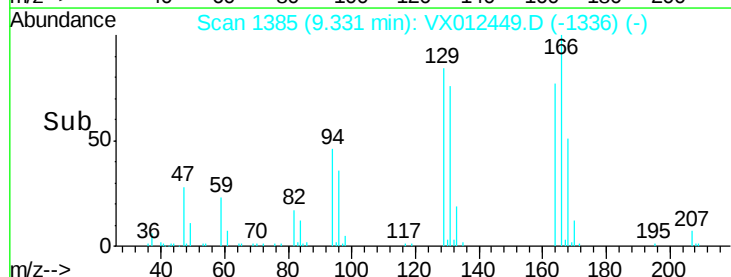
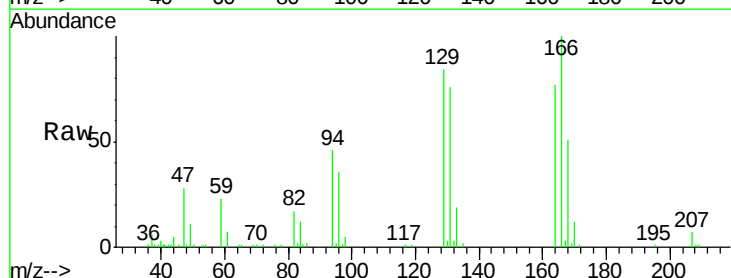
Ion Ratio Lower Upper

164 100

166 129.2 107.8 161.6

129 107.3 86.2 129.2

131 98.3 80.4 120.6

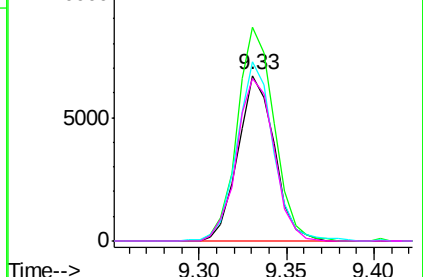


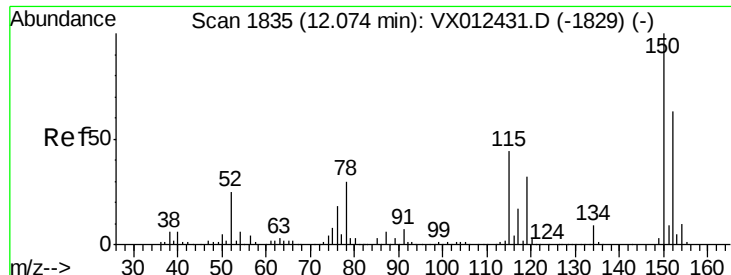
Abundance Ion 163.80 (163.50 to 164.50): V

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: VX012449.D

Acq: 17 Sep 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20190909

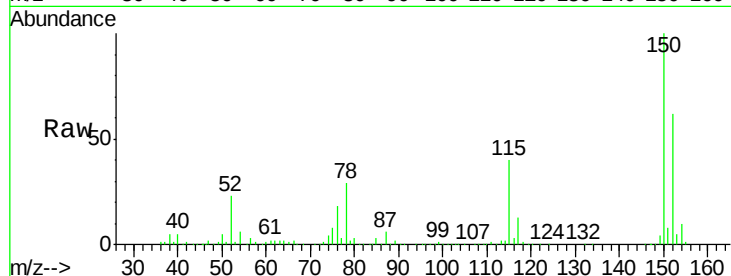
Tot Ion:152 Resp: 88980

Ion Ratio Lower Upper

152 100

115 63.7 44.1 132.3

150 159.8 0.0 343.8



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

