

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012454.D
 Acq On : 18 Sep 2019 00:11
 Operator : JC/SP
 Sample : K4858-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20190910

Quant Time: Sep 18 04:57:08 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	155991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251120	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86529	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	108812	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	5.49	113	76825	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	8.71	98	294281	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	11.14	95	105336	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

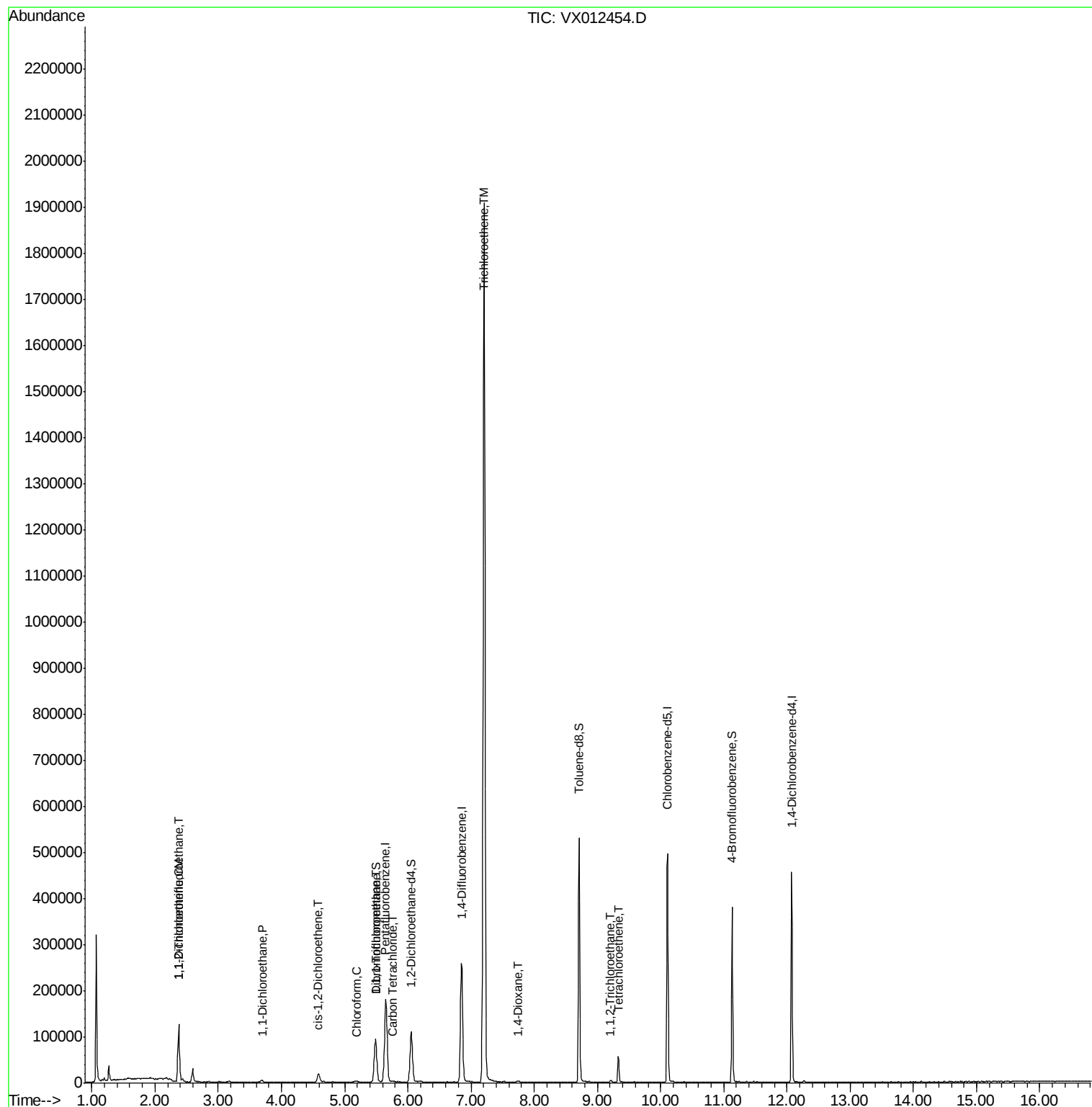
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	38236	31.102	ug/l	98
12) 1,1-Dichloroethene	2.37	96	11377	11.601	ug/l	94
24) 1,1-Dichloroethane	3.69	63	3358	1.313	ug/l #	86
27) cis-1,2-Dichloroethene	4.58	96	11682	7.679	ug/l	82
30) Chloroform	5.19	83	2096	0.713	ug/l	88
32) 1,1,1-Trichloroethane	5.48	97	1882	0.767	ug/l #	23
38) Carbon Tetrachloride	5.77	117	1894	0.998	ug/l #	77
44) Trichloroethene	7.21	130	712755	558.300	ug/l	96
49) 1,4-Dioxane	7.75	88	1914	39.677	ug/l #	74
55) 1,1,2-Trichloroethane	9.21	97	1007	0.625	ug/l #	70
64) Tetrachloroethene	9.33	164	10412	10.548	ug/l	88

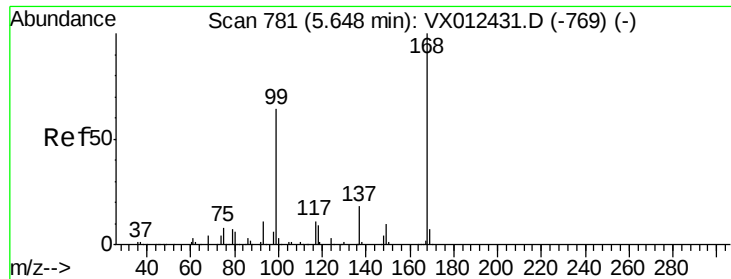
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012454.D

Acq: 18 Sep 2019 00:11

Instrument :

MSVOA_X

ClientSampleId :

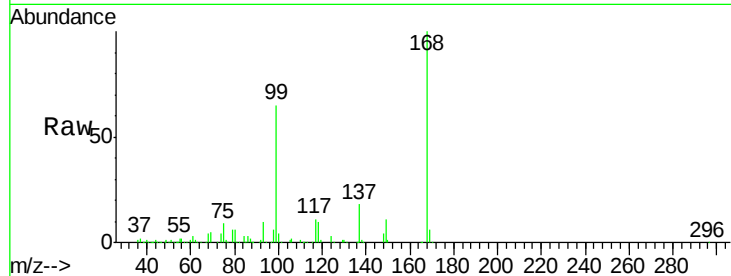
RE125D2-20190910

Tot Ion:168 Resp: 155991

Ion Ratio Lower Upper

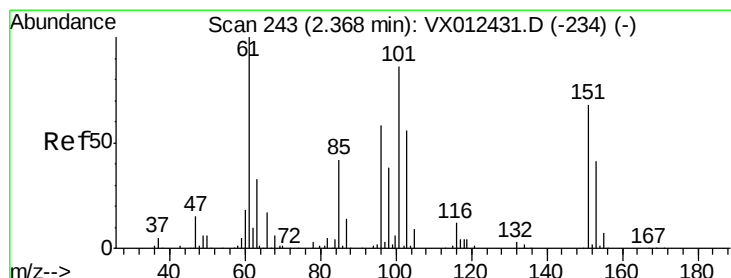
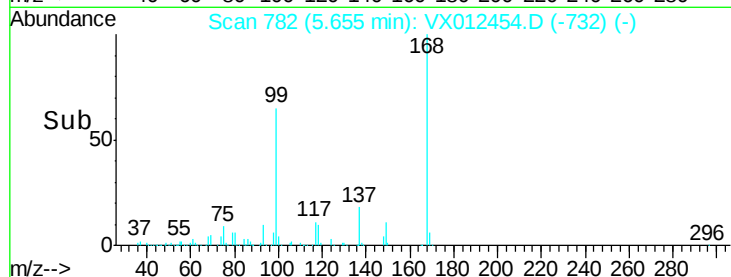
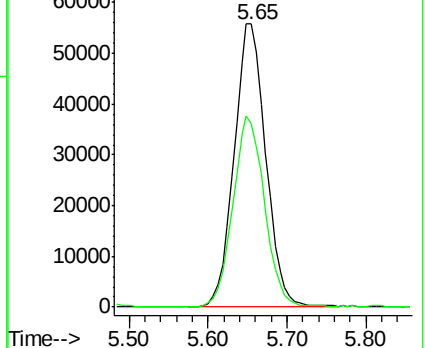
168 100

99 64.8 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: 31.102 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012454.D

Acq: 18 Sep 2019 00:11

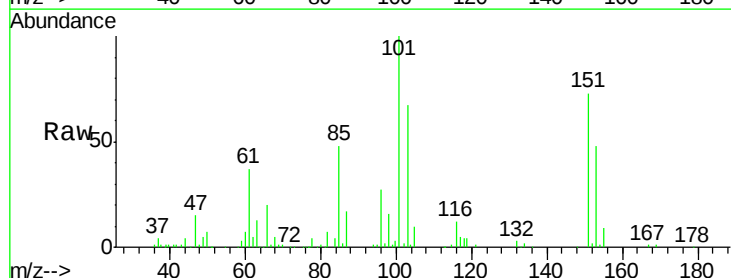
Tgt Ion:101 Resp: 38236

Ion Ratio Lower Upper

101 100

85 46.8 37.3 55.9

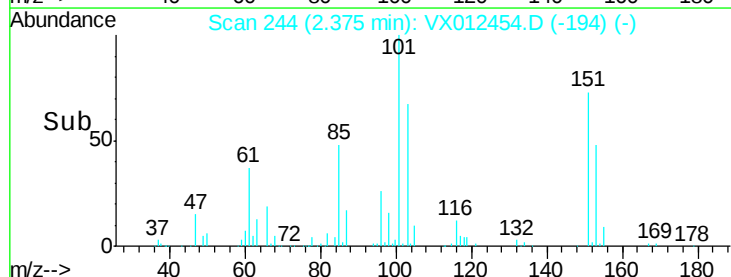
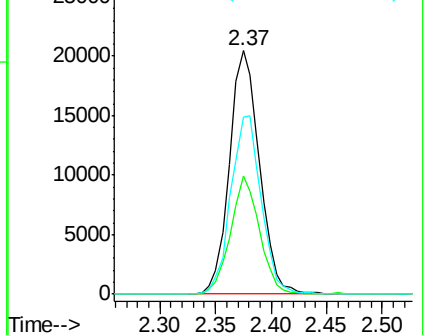
151 74.2 61.0 91.4

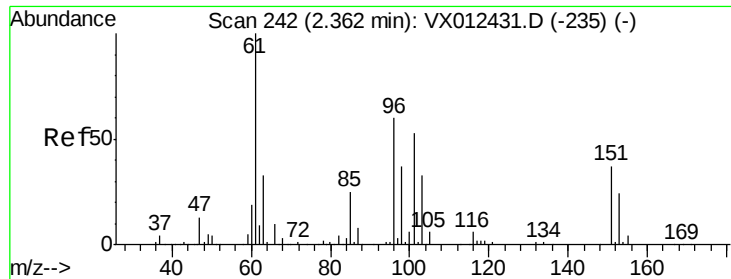


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 11.601 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX012454.D

Acq: 18 Sep 2019 00:11

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20190910

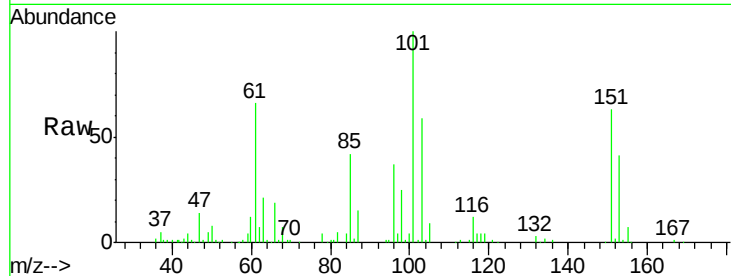
Tot Ion: 96 Resp: 11377

Ion Ratio Lower Upper

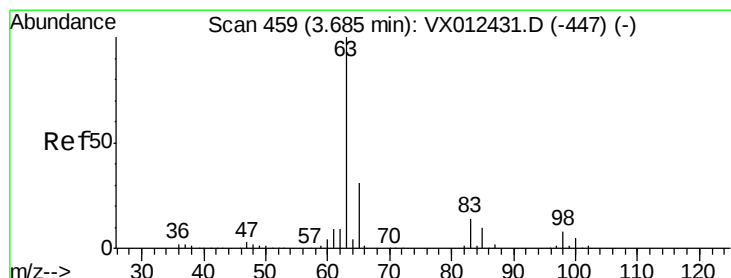
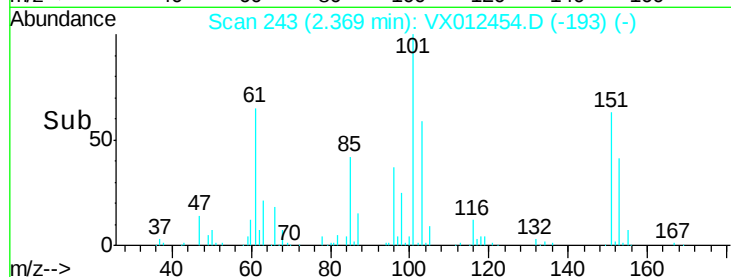
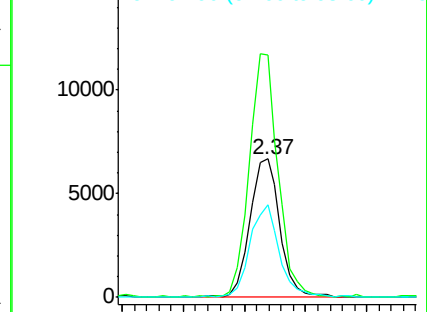
96 100

61 175.4 133.8 200.6

98 66.8 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: 1.313 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX012454.D

Acq: 18 Sep 2019 00:11

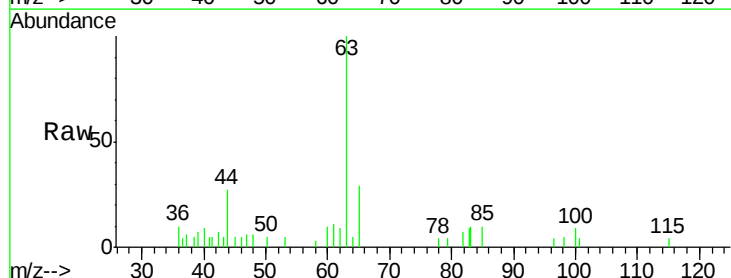
Tgt Ion: 63 Resp: 3358

Ion Ratio Lower Upper

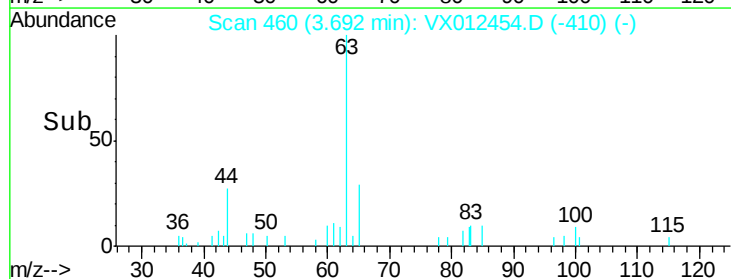
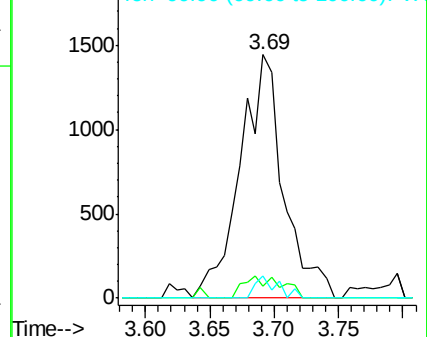
63 100

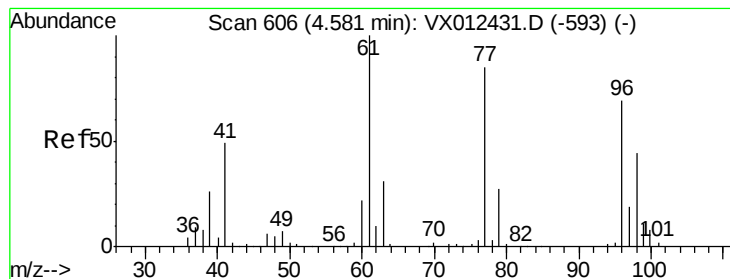
98 5.1 3.9 11.7

100 12.7 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: 7.679 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX012454.D

Acq: 18 Sep 2019 00:11

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20190910

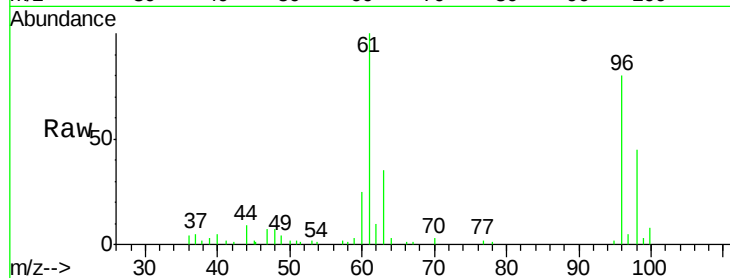
Tot Ion: 96 Resp: 11682

Ion Ratio Lower Upper

96 100

61 128.9 0.0 319.4

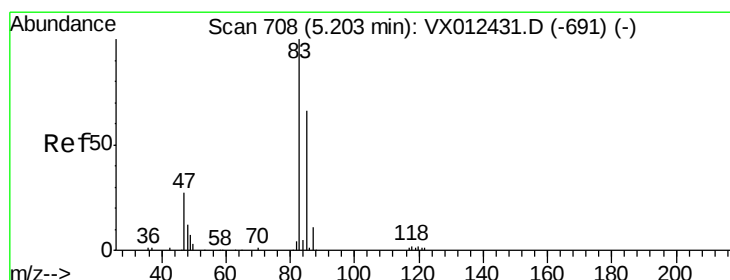
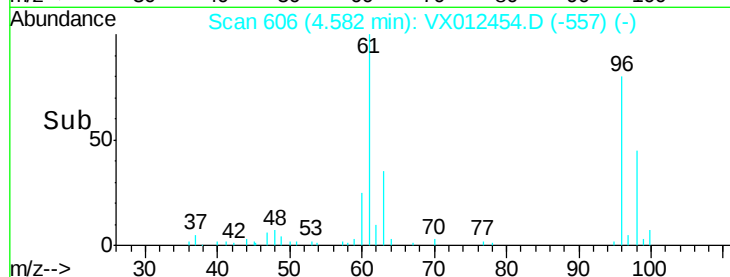
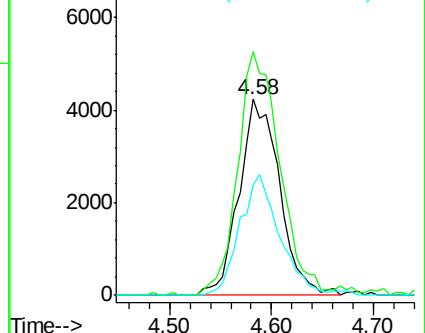
98 60.4 0.0 130.6



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: 0.713 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX012454.D

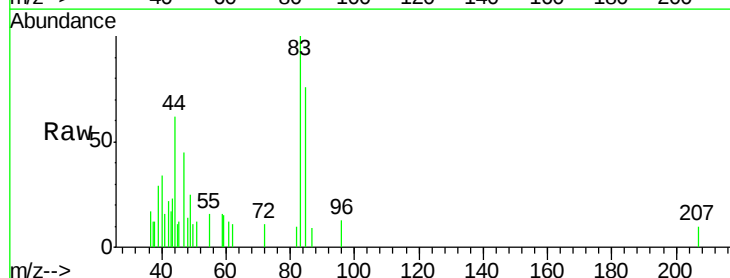
Acq: 18 Sep 2019 00:11

Tgt Ion: 83 Resp: 2096

Ion Ratio Lower Upper

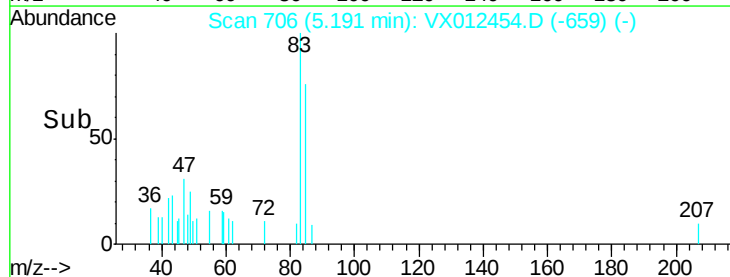
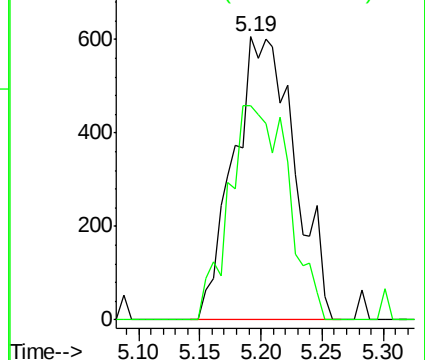
83 100

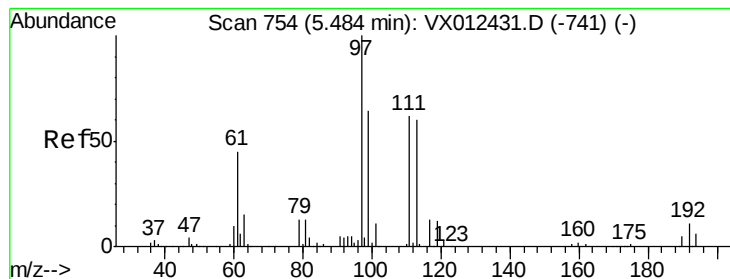
85 75.7 53.0 79.4



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: 0.767 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012454.D

Acq: 18 Sep 2019 00:11

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20190910

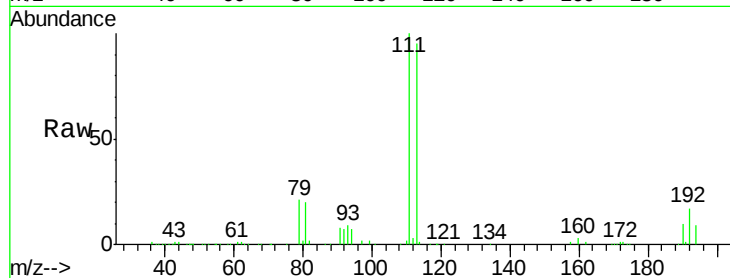
Tot Ion: 97 Resp: 1882

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

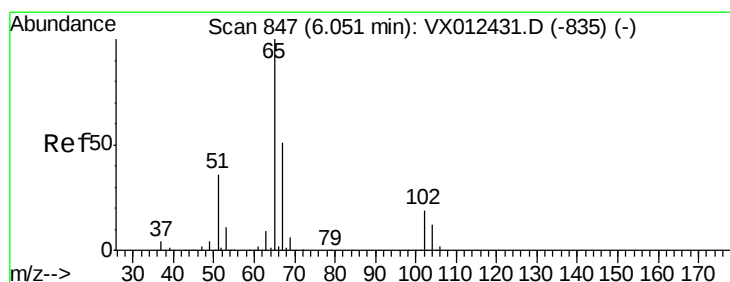
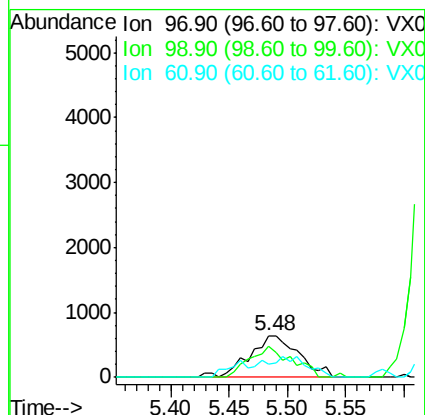
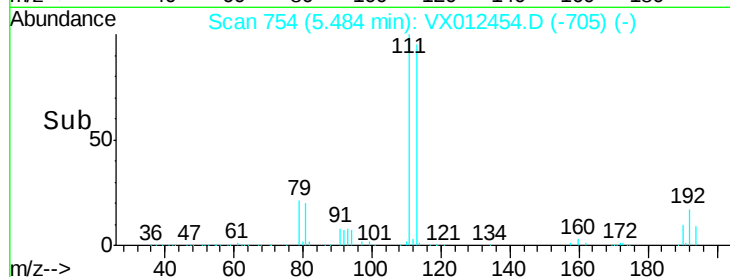
61 0.0 36.1 54.1#



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: 48.671 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012454.D

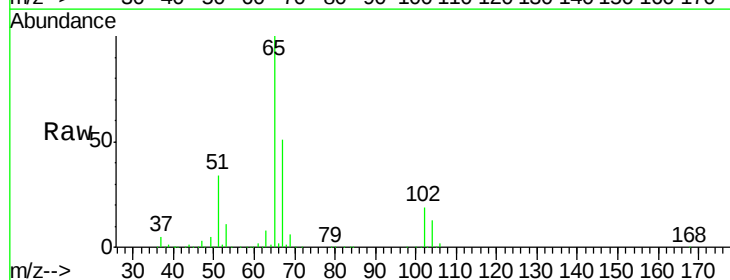
Acq: 18 Sep 2019 00:11

Tgt Ion: 65 Resp: 108812

Ion Ratio Lower Upper

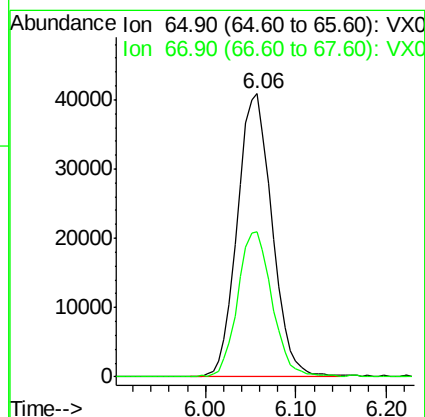
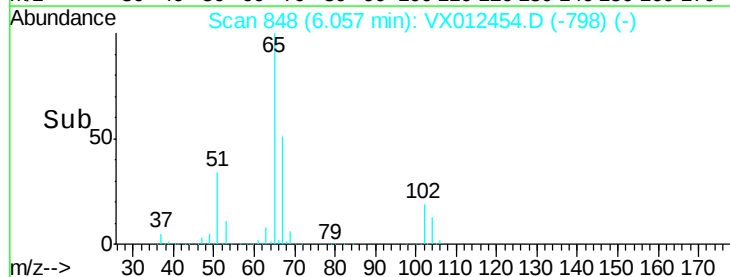
65 100

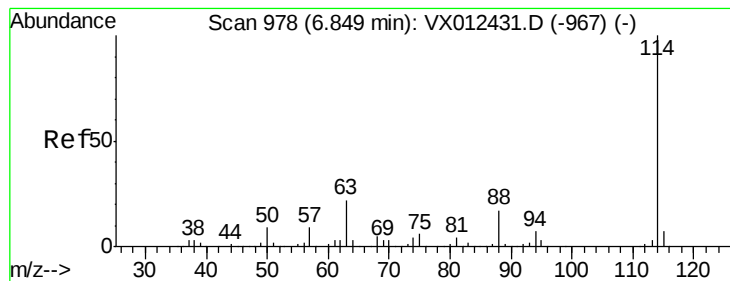
67 50.8 0.0 101.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012454.D

Acq: 18 Sep 2019 00:11

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20190910

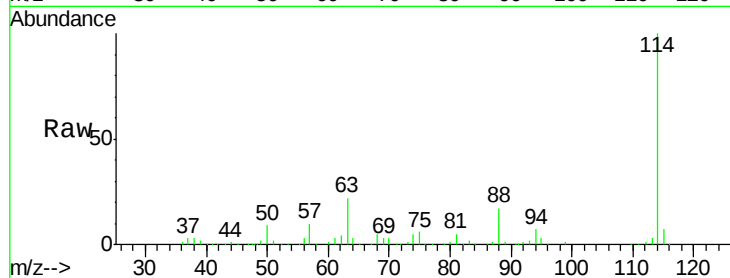
Tot Ion:114 Resp: 251120

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

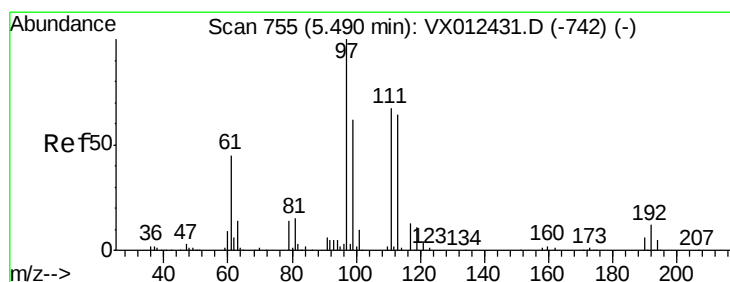
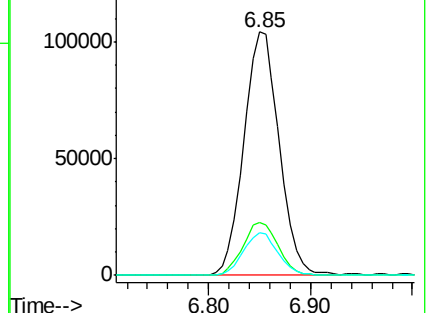
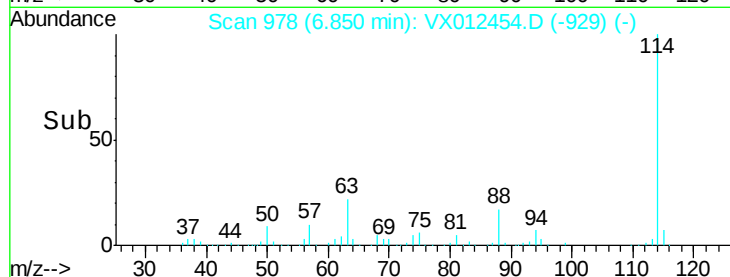
88 17.4 0.0 33.2



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: 50.545 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012454.D

Acq: 18 Sep 2019 00:11

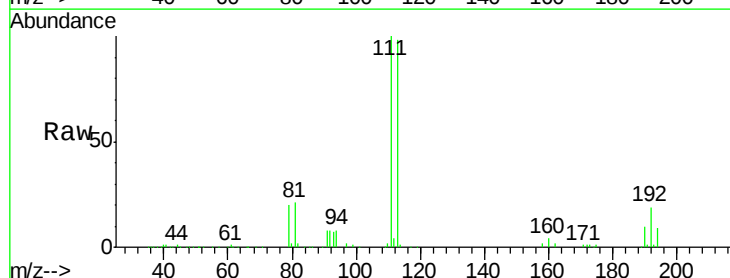
Tgt Ion:113 Resp: 76825

Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.2

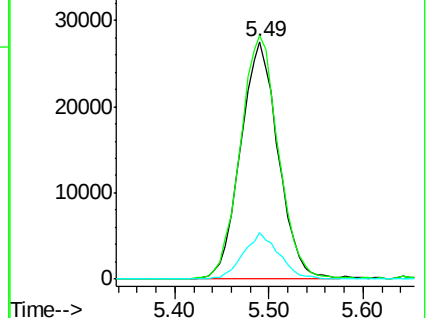
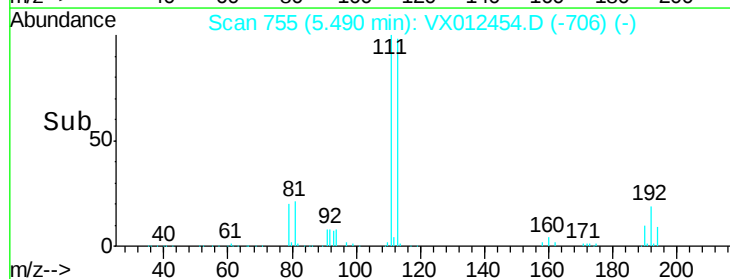
192 18.6 14.4 21.6

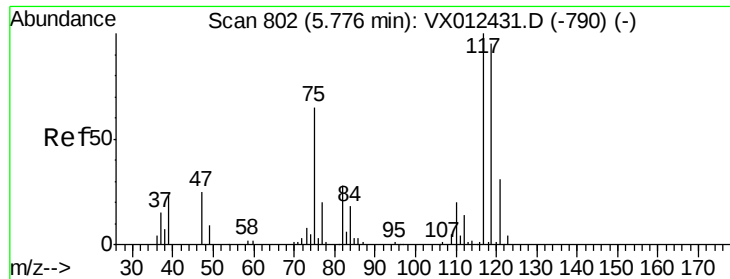


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

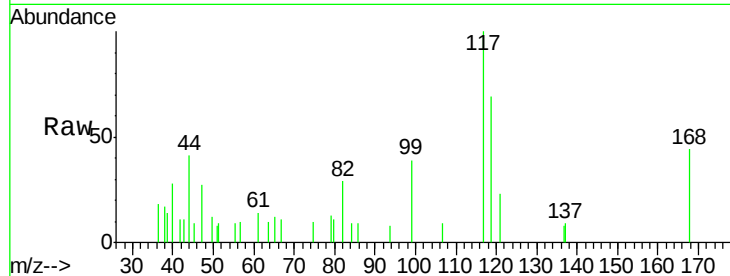




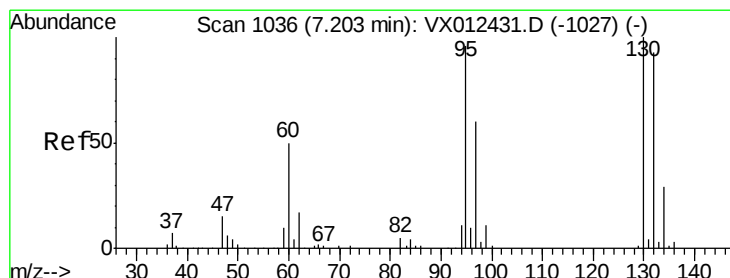
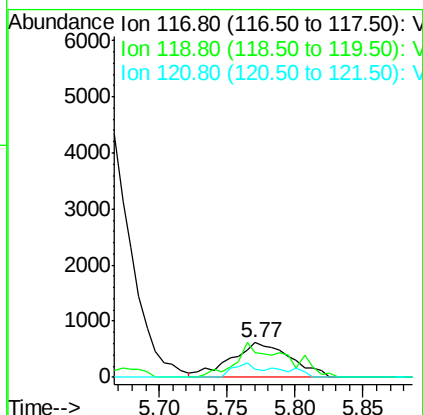
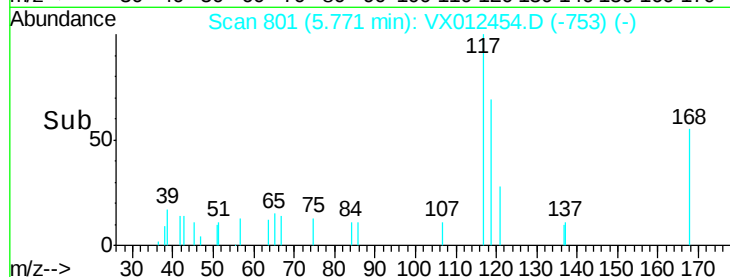
#38
Carbon Tetrachloride
Concen: 0.998 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012454.D
Acq: 18 Sep 2019 00:11

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20190910

Tot Ion:117 Resp: 1894
Ion Ratio Lower Upper
117 100
119 69.4 75.7 113.5#
121 22.6 24.2 36.4#

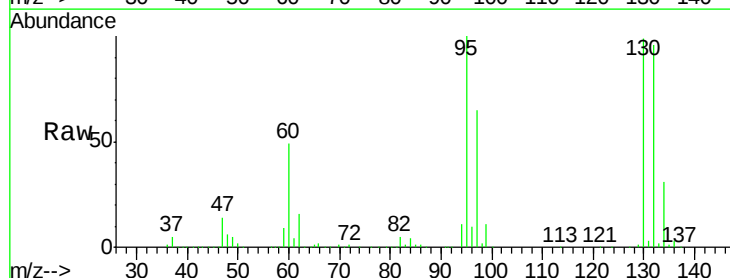


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

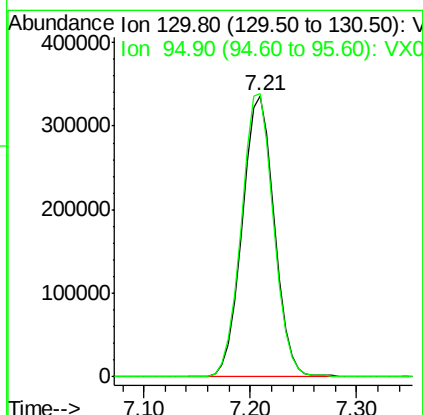
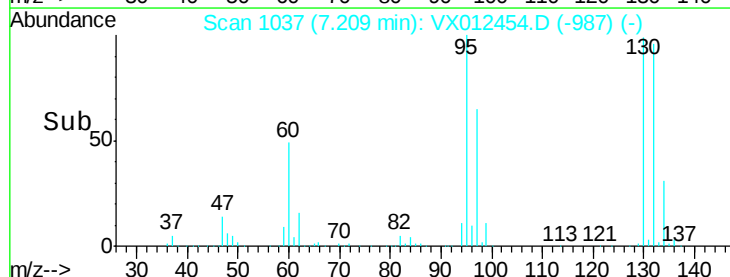


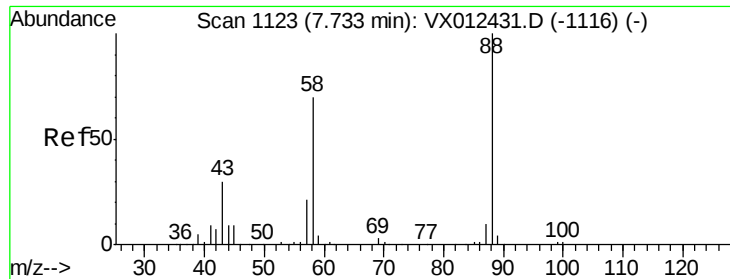
#44
Trichloroethene
Concen: 558.300 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX012454.D
Acq: 18 Sep 2019 00:11

Tgt Ion:130 Resp: 712755
Ion Ratio Lower Upper
130 100
95 100.7 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

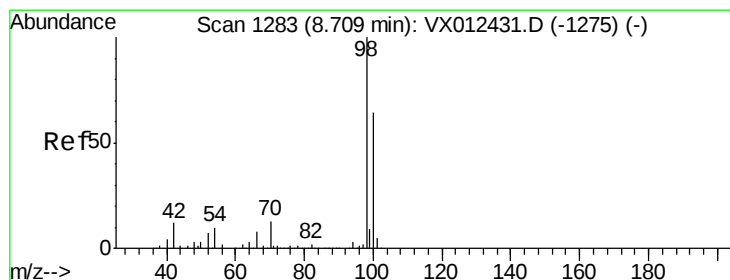
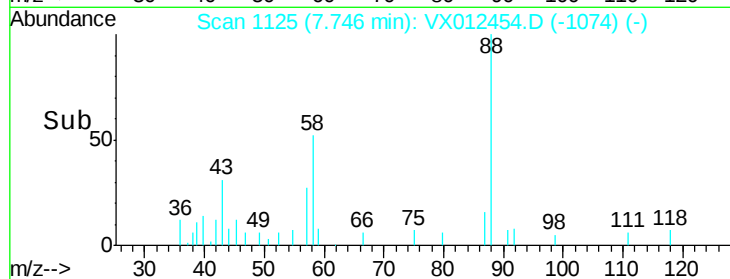
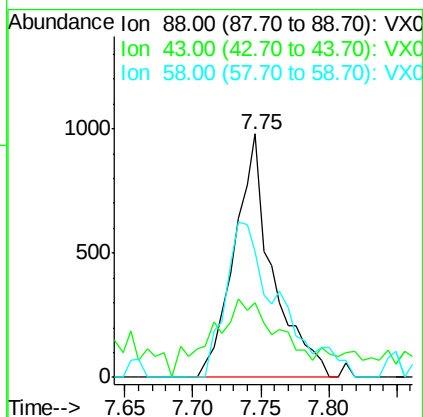
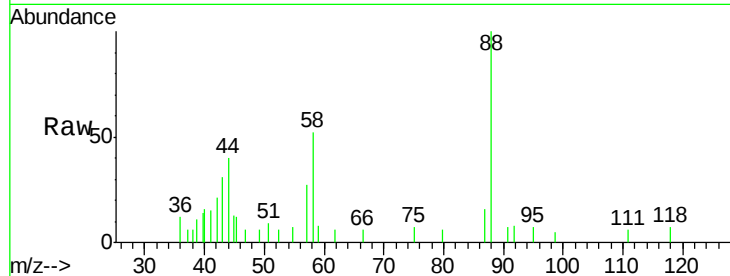




#49
1,4-Dioxane
Concen: 39.677 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX012454.D
Acq: 18 Sep 2019 00:11

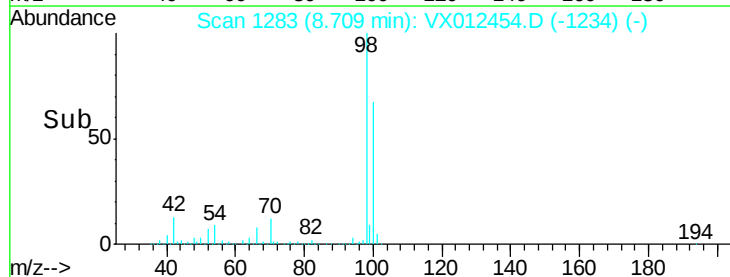
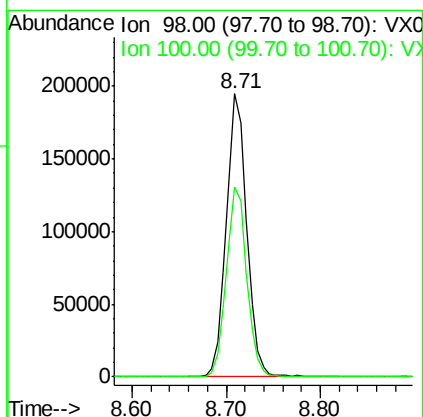
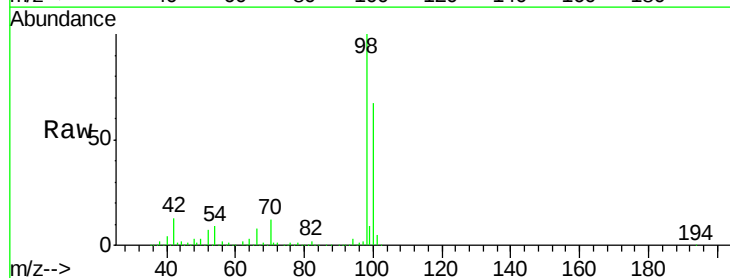
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20190910

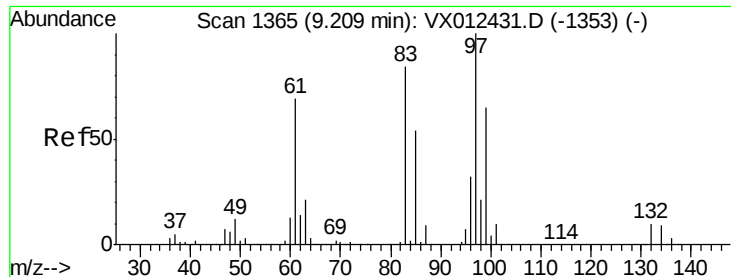
Tot Ion: 88 Resp: 1914
Ion Ratio Lower Upper
88 100
43 57.8 29.4 44.0#
58 89.1 57.5 86.3#



#50
Toluene-d8
Concen: 52.308 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012454.D
Acq: 18 Sep 2019 00:11

Tgt Ion: 98 Resp: 294281
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2

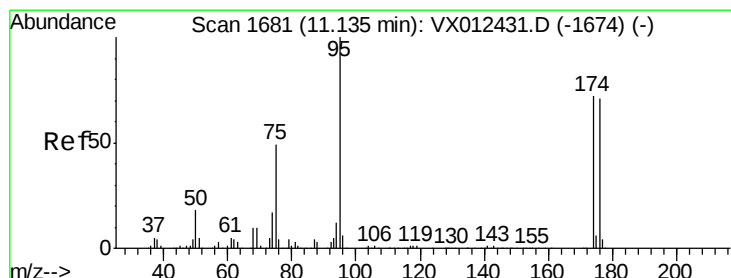
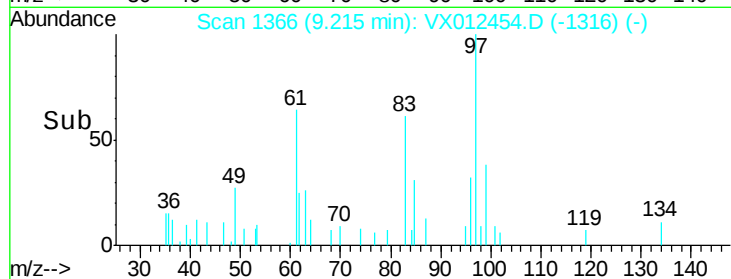
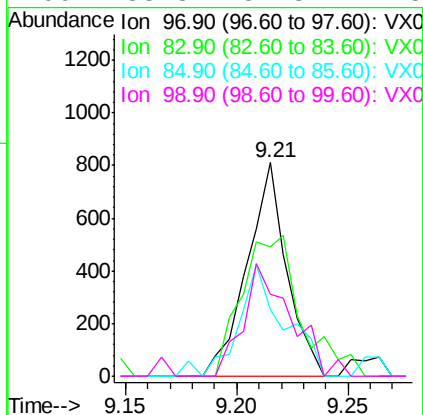
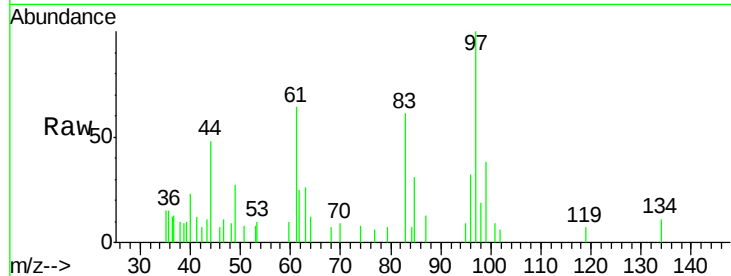




#55
 1,1,2-Trichloroethane
 Concen: 0.625 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX012454.D
 Acq: 18 Sep 2019 00:11

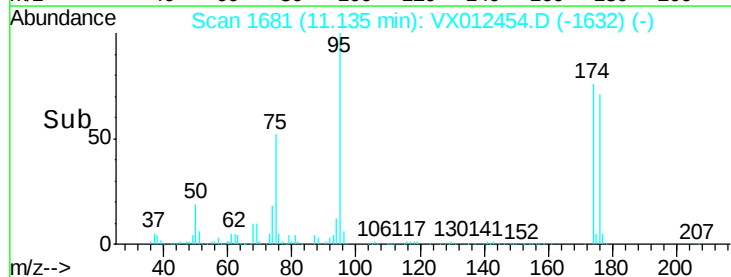
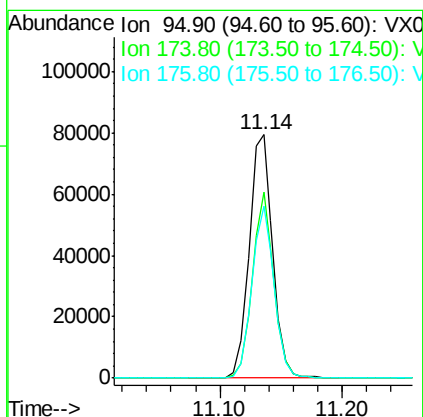
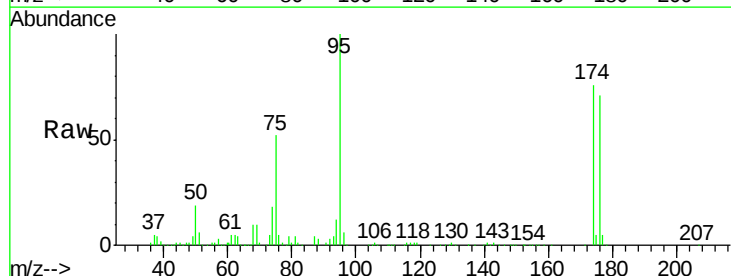
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20190910

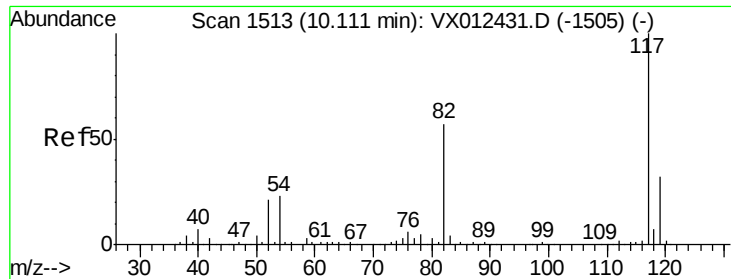
Tot Ion:	97	Resp:	1007
Ion	Ratio	Lower	Upper
97	100		
83	60.8	67.4	101.2#
85	30.9	43.5	65.3#
99	38.3	51.8	77.8#



#62
 4-Bromofluorobenzene
 Concen: 45.094 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012454.D
 Acq: 18 Sep 2019 00:11

Tgt Ion:	95	Resp:	105336
Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	140.0
176	68.0	0.0	135.4

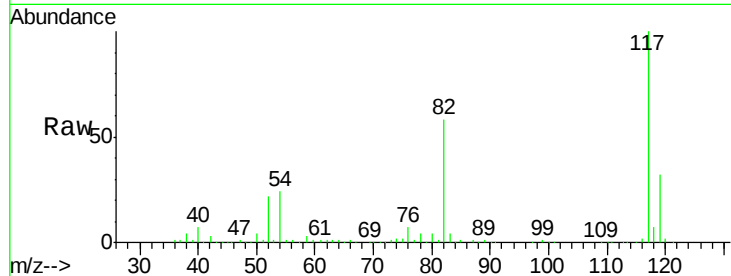




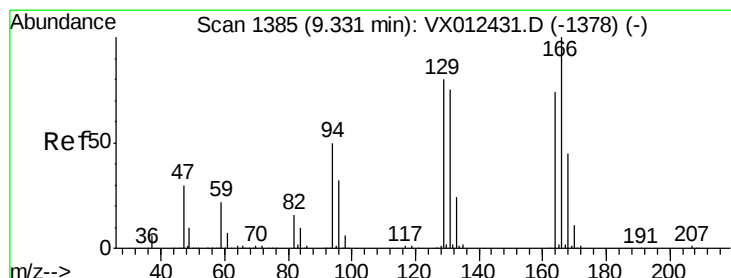
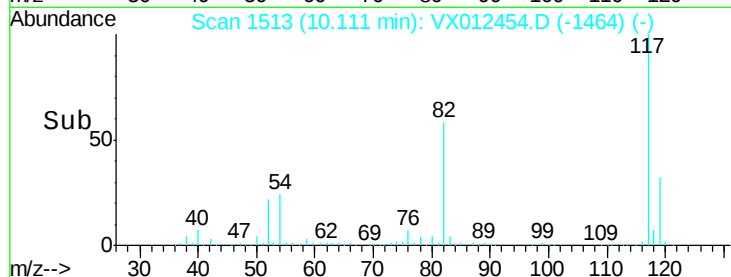
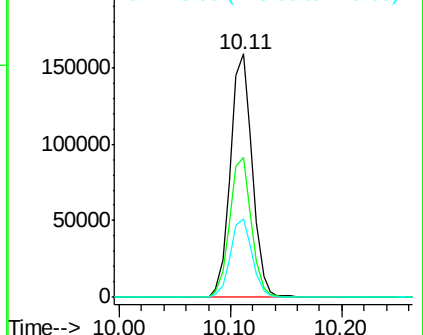
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012454.D
Acq: 18 Sep 2019 00:11

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20190910

Tot Ion:117 Resp: 215411
Ion Ratio Lower Upper
117 100
82 57.6 45.9 68.9
119 32.3 25.3 37.9



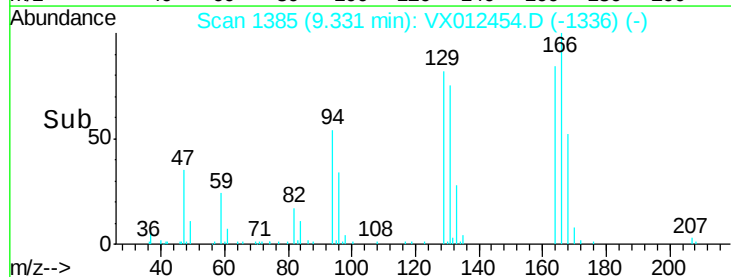
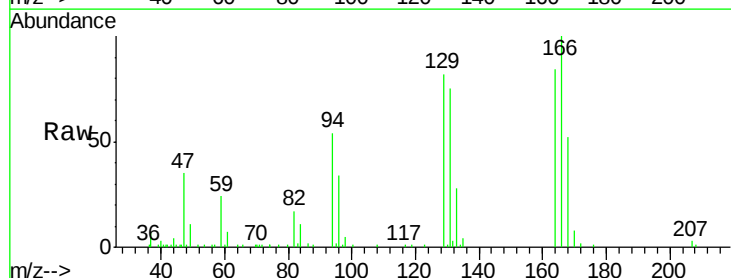
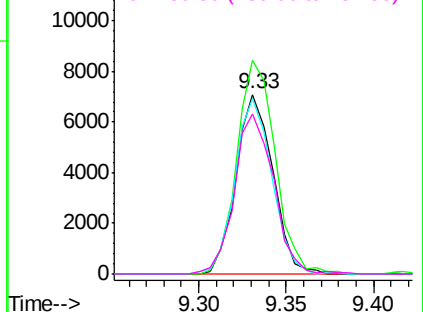
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

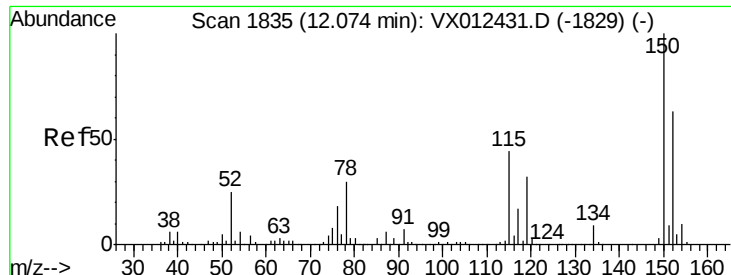


#64
Tetrachloroethene
Concen: 10.548 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012454.D
Acq: 18 Sep 2019 00:11

Tgt Ion:164 Resp: 10412
Ion Ratio Lower Upper
164 100
166 118.9 107.8 161.6
129 97.4 86.2 129.2
131 89.4 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: VX012454.D

Acq: 18 Sep 2019 00:11

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20190910

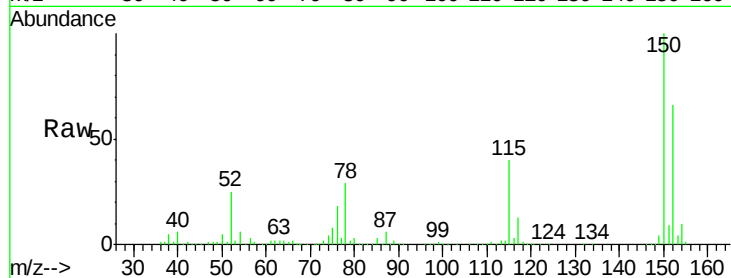
Tot Ion:152 Resp: 86529

Ion Ratio Lower Upper

152 100

115 63.4 44.1 132.3

150 156.5 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

