

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012457.D
 Acq On : 18 Sep 2019 01:21
 Operator : JC/SP
 Sample : K4858-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20190910

Quant Time: Sep 18 05:13:17 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

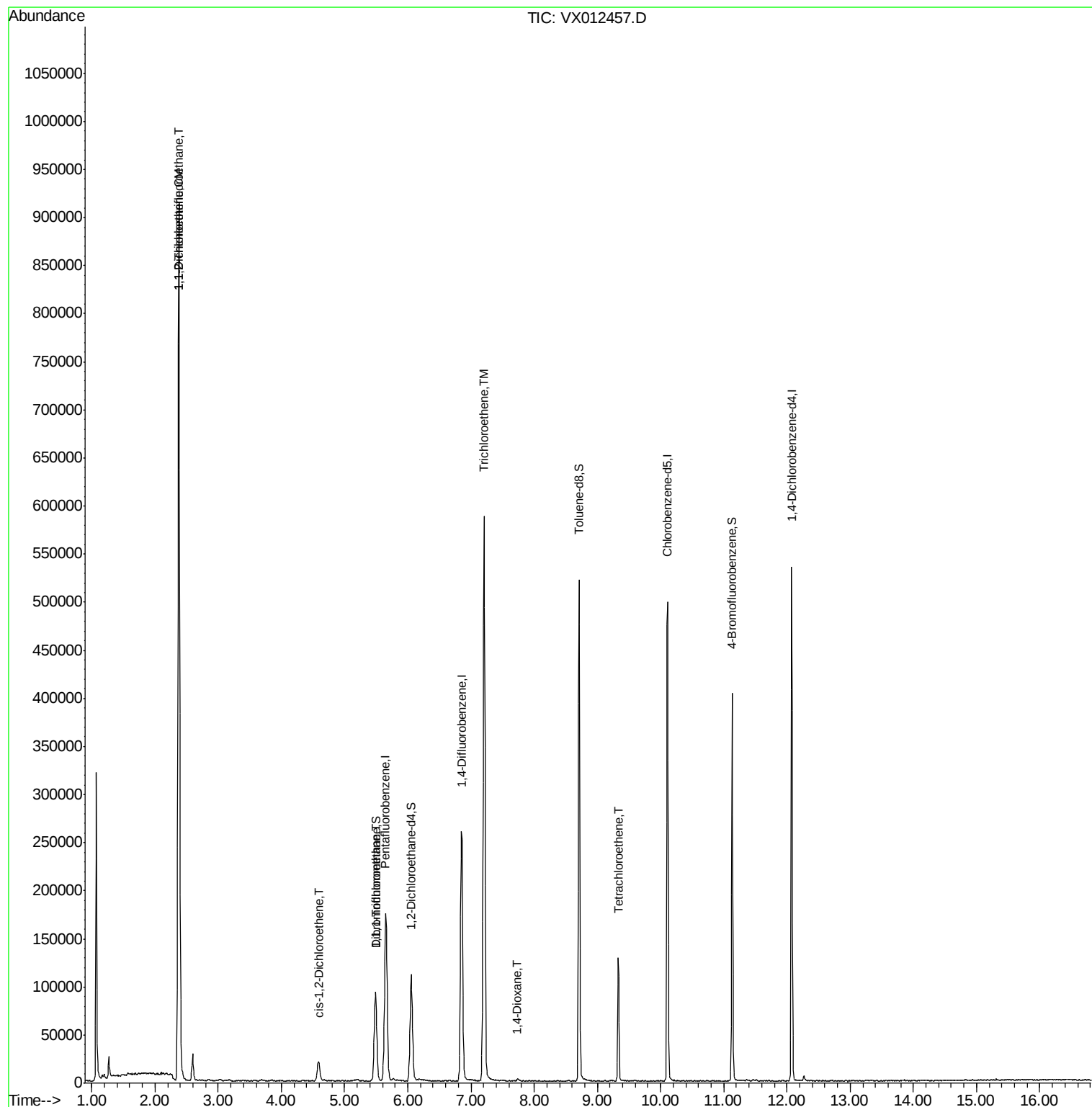
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	153201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	250755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	218870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97711	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	107577	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
35) Dibromofluoromethane	5.49	113	77011	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	8.71	98	294944	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.14	95	113855	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluoroet	2.37	101	359725	297.934	ug/l	99
12) 1,1-Dichloroethene	2.37	96	4278	4.442	ug/l	78
27) cis-1,2-Dichloroethene	4.59	96	12823	8.582	ug/l	86
32) 1,1,1-Trichloroethane	5.48	97	1086	0.450	ug/l #	49
44) Trichloroethene	7.21	130	223748	175.517	ug/l	98
49) 1,4-Dioxane	7.73	88	1989	41.292	ug/l	97
64) Tetrachloroethene	9.33	164	22670	22.603	ug/l	99

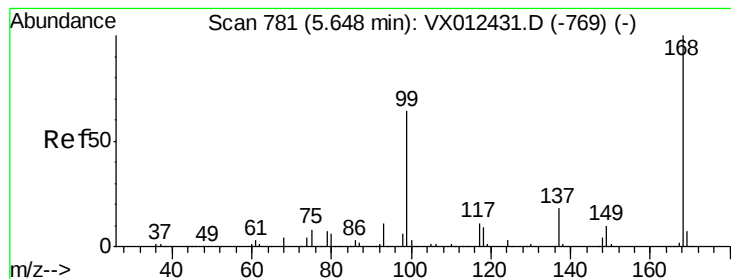
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012457.D

Acq: 18 Sep 2019 01:21

Instrument :

MSVOA_X

ClientSampleId :

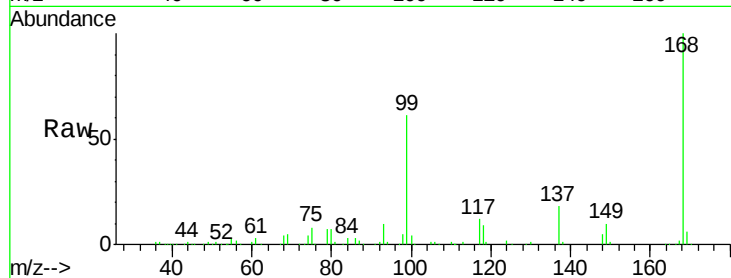
RE131D2-20190910

Tot Ion:168 Resp: 153201

Ion Ratio Lower Upper

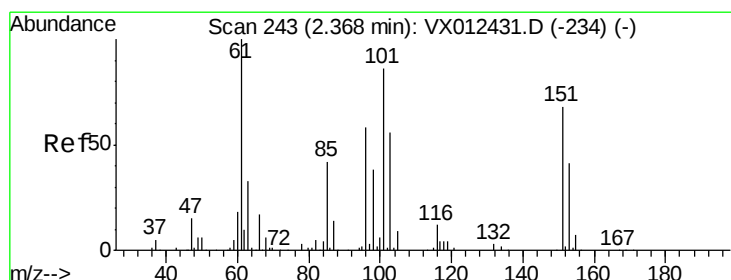
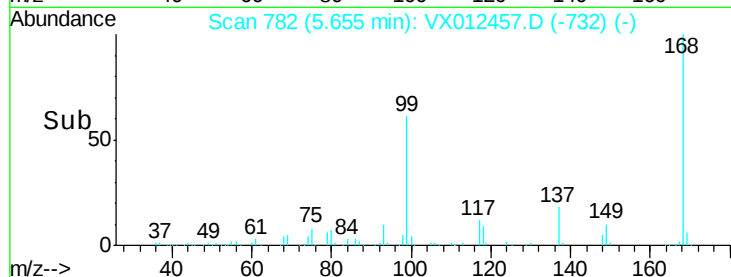
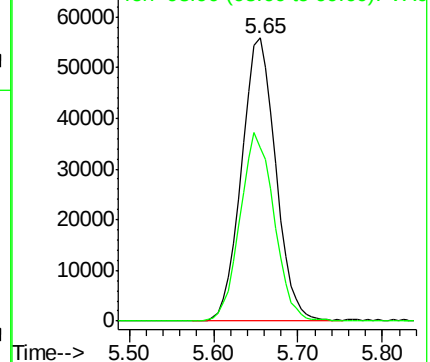
168 100

99 61.2 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: 297.934 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012457.D

Acq: 18 Sep 2019 01:21

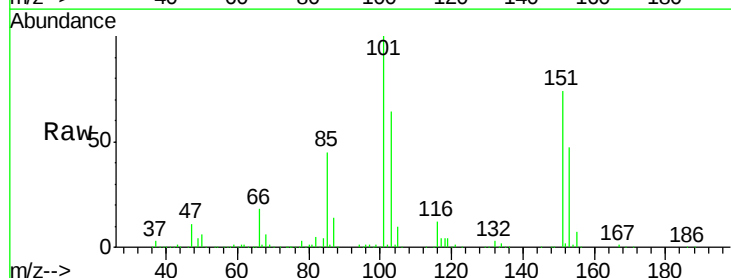
Tgt Ion:101 Resp: 359725

Ion Ratio Lower Upper

101 100

85 45.5 37.3 55.9

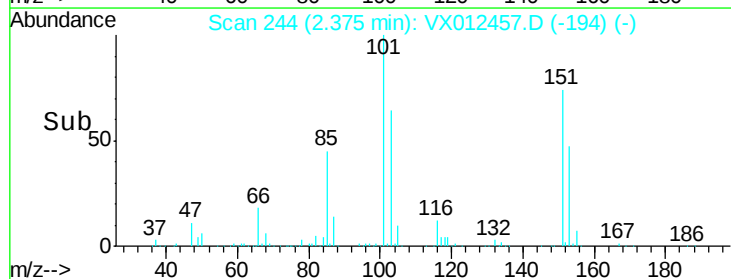
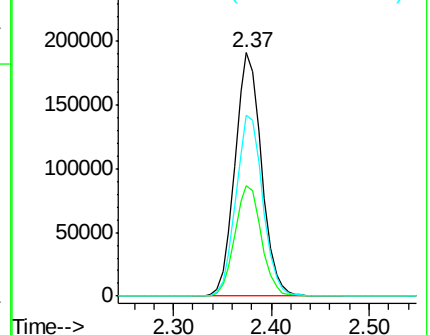
151 75.2 61.0 91.4

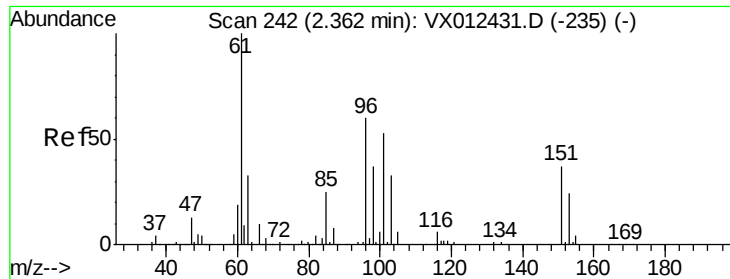


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 4.442 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX012457.D

Acq: 18 Sep 2019 01:21

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190910

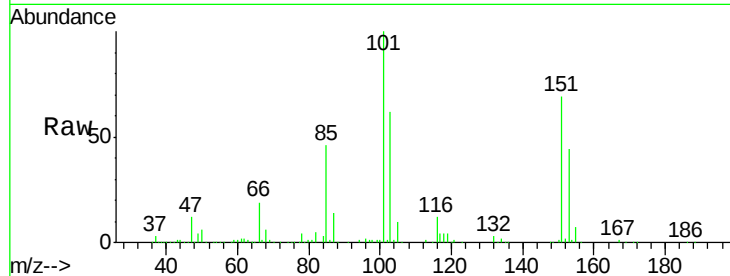
Tot Ion: 96 Resp: 4278

Ion Ratio Lower Upper

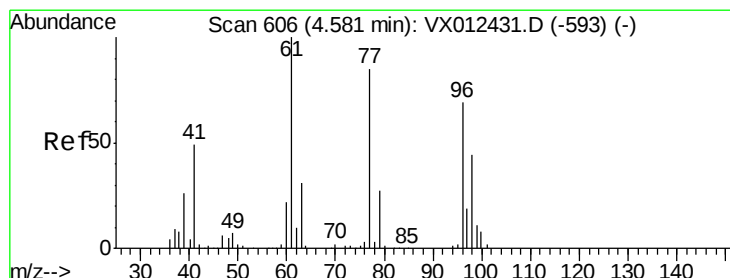
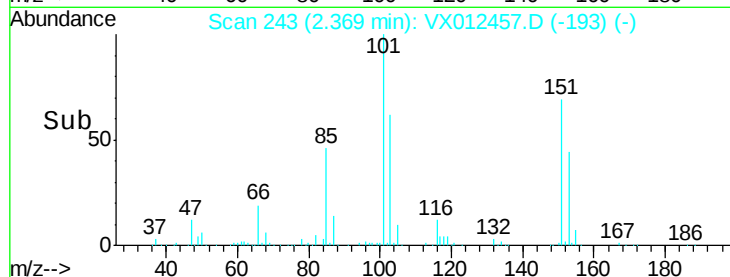
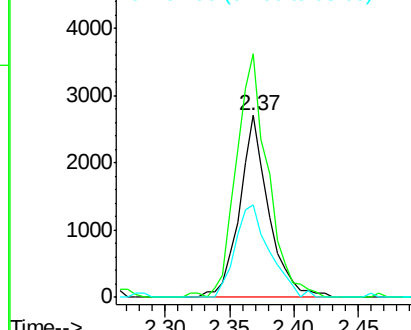
96 100

61 134.1 133.8 200.6

98 51.0 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



#27

cis-1,2-Dichloroethene

Concen: 8.582 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012457.D

Acq: 18 Sep 2019 01:21

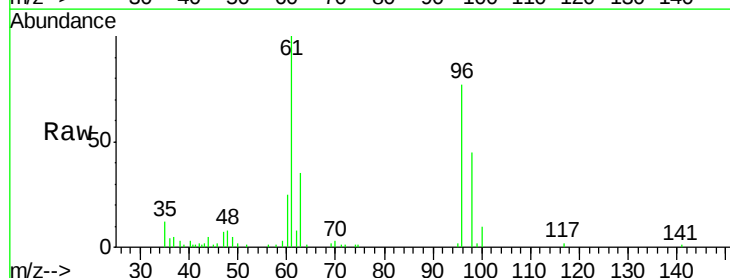
Tgt Ion: 96 Resp: 12823

Ion Ratio Lower Upper

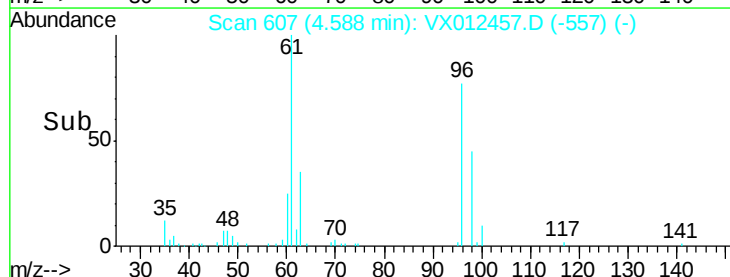
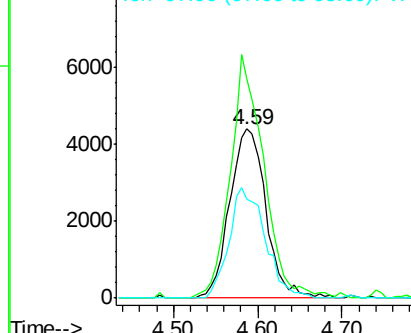
96 100

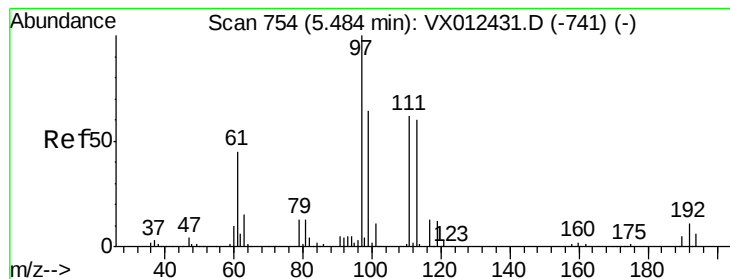
61 133.7 0.0 319.4

98 64.9 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





#32

1,1,1-Trichloroethane

Concen: 0.450 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012457.D

Acq: 18 Sep 2019 01:21

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190910

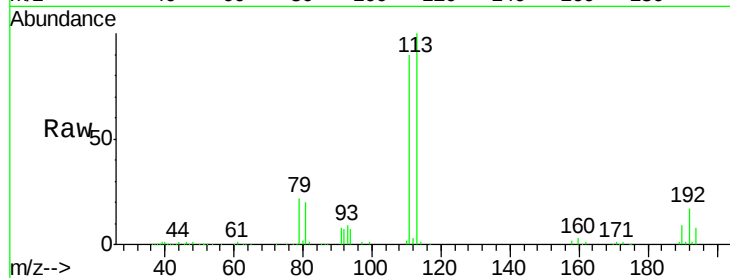
Tot Ion: 97 Resp: 1086

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

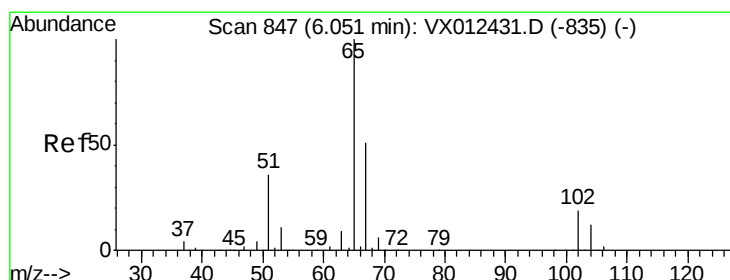
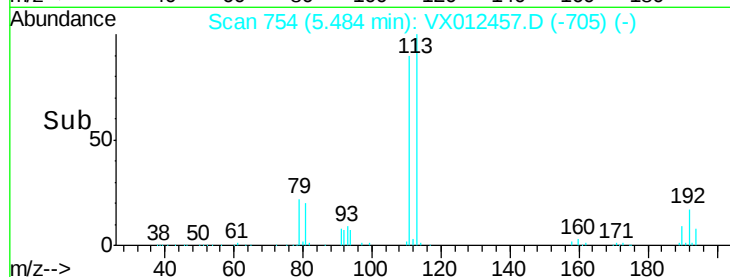
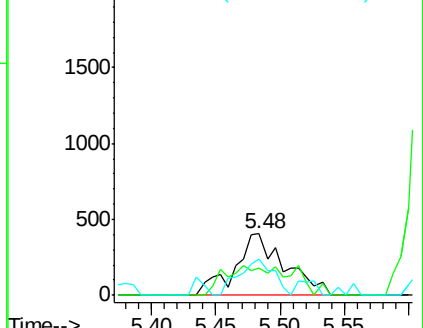
61 40.7 36.1 54.1



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: 48.995 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012457.D

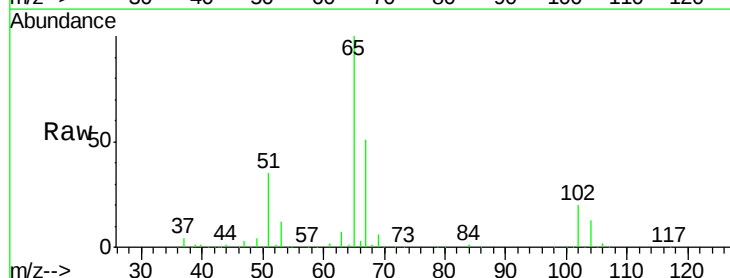
Acq: 18 Sep 2019 01:21

Tgt Ion: 65 Resp: 107577

Ion Ratio Lower Upper

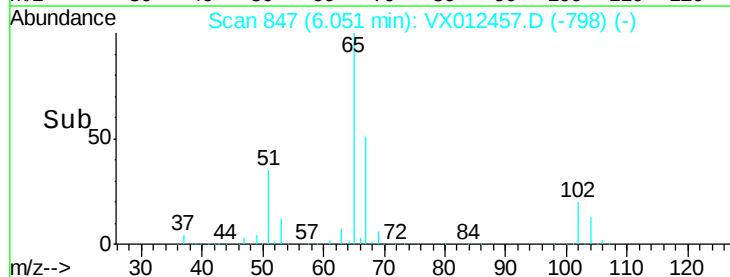
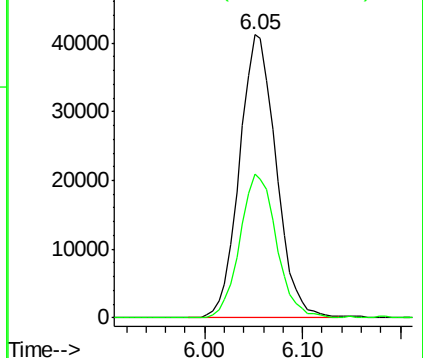
65 100

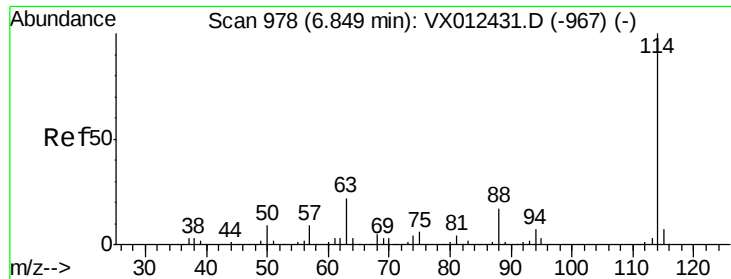
67 50.7 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

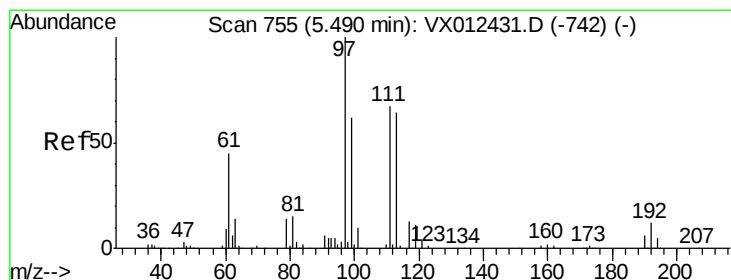
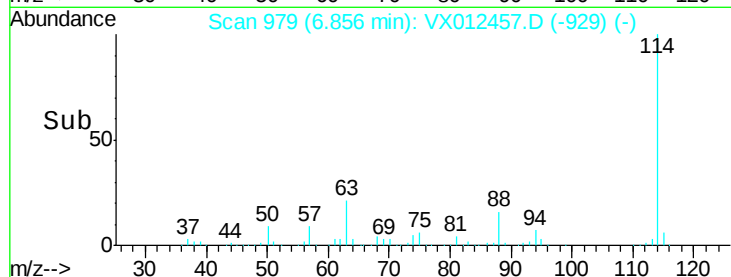
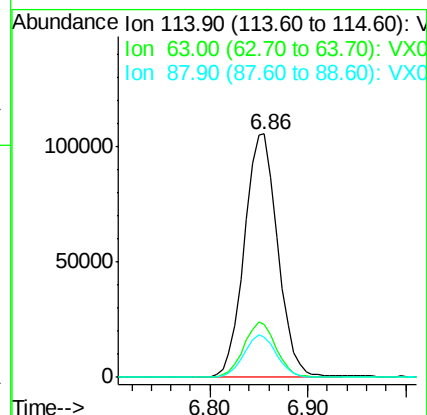
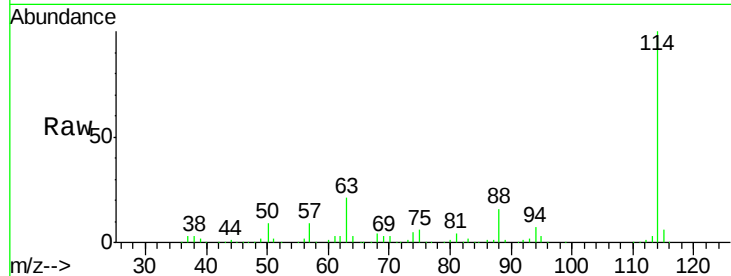




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012457.D
 Acq: 18 Sep 2019 01:21

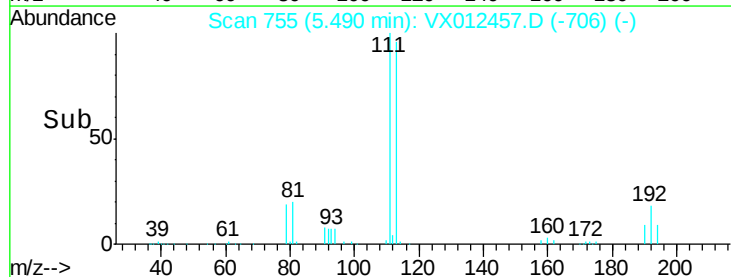
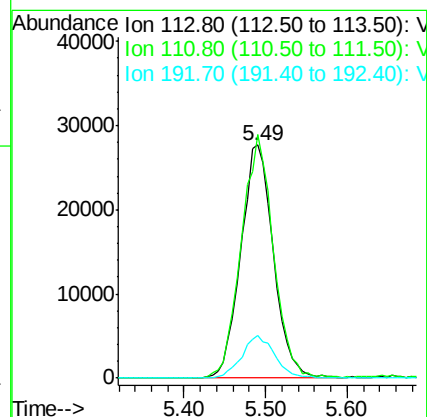
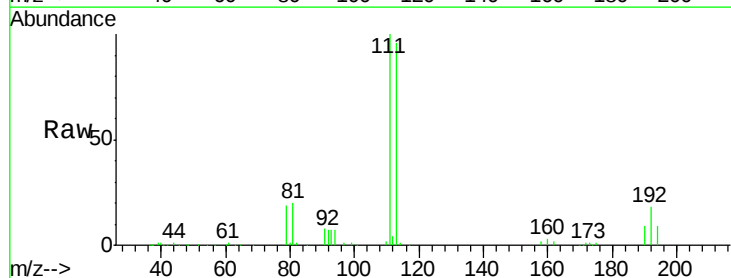
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20190910

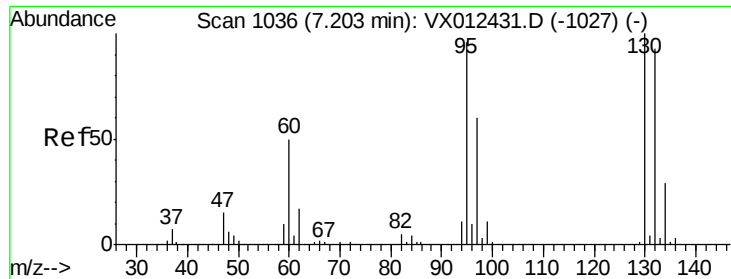
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.2
88	16.5	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 50.741 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012457.D
 Acq: 18 Sep 2019 01:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.4	125.2
192	18.4	14.4	21.6





#44

Trichloroethene

Concen: 175.517 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012457.D

Acq: 18 Sep 2019 01:21

Instrument :

MSVOA_X

ClientSampleId :

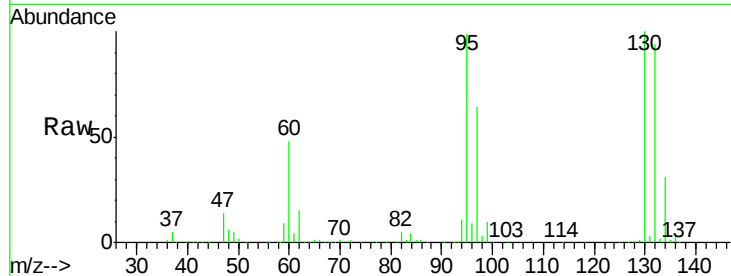
RE131D2-20190910

Tot Ion:130 Resp: 223748

Ion Ratio Lower Upper

130 100

95 98.6 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

120000

100000

80000

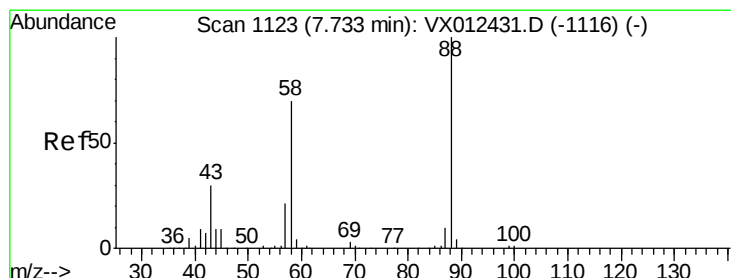
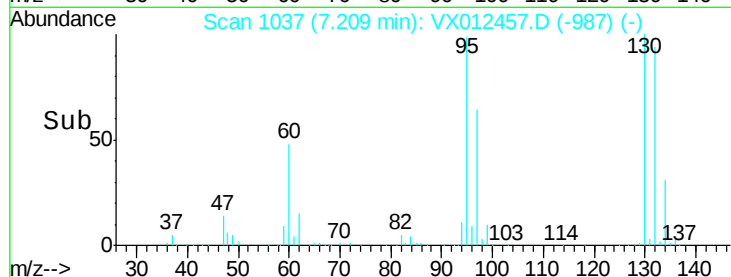
60000

40000

20000

0

Time-->



#49

1,4-Dioxane

Concen: 41.292 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX012457.D

Acq: 18 Sep 2019 01:21

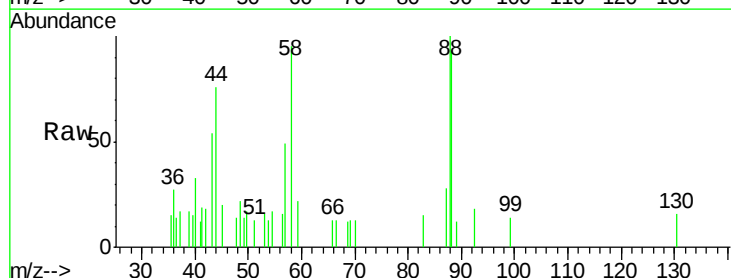
Tgt Ion: 88 Resp: 1989

Ion Ratio Lower Upper

88 100

43 40.8 29.4 44.0

58 73.1 57.5 86.3



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

7.73

1000

800

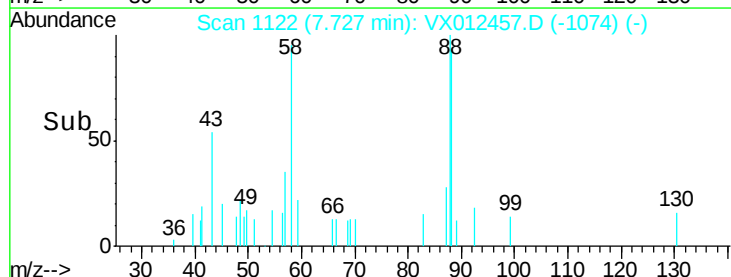
600

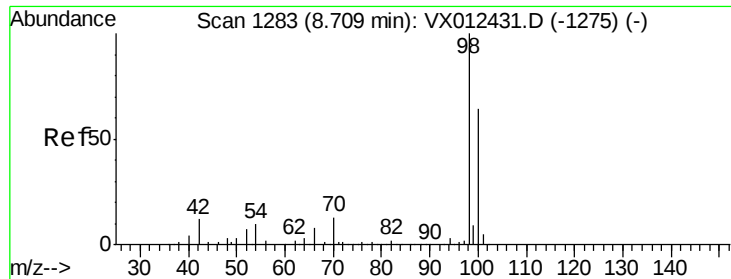
400

200

0

Time-->





#50

Toluene-d8

Concen: 52.502 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012457.D

Acq: 18 Sep 2019 01:21

Instrument :

MSVOA_X

ClientSampleId :

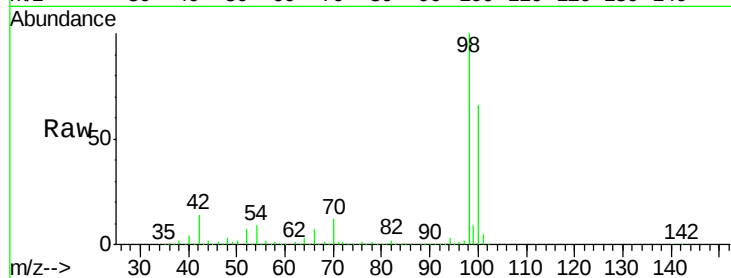
RE131D2-20190910

Tot Ion: 98 Resp: 294944

Ion Ratio Lower Upper

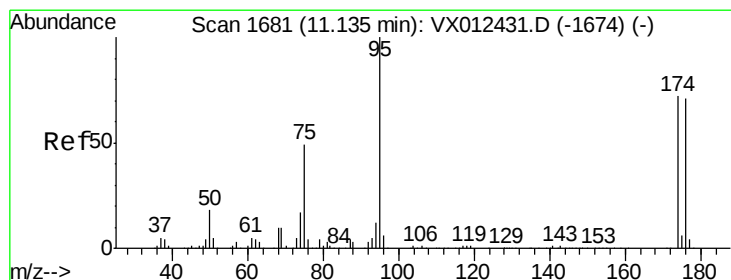
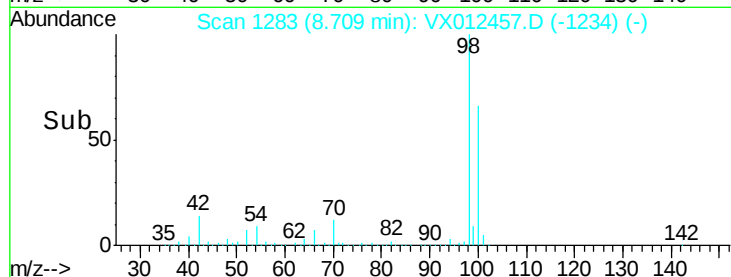
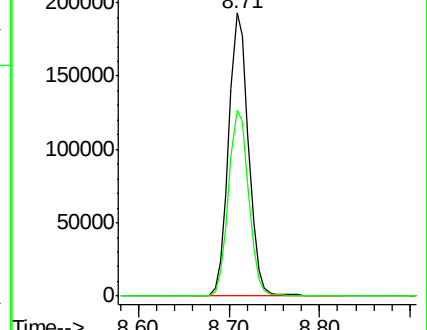
98 100

100 66.9 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 48.812 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012457.D

Acq: 18 Sep 2019 01:21

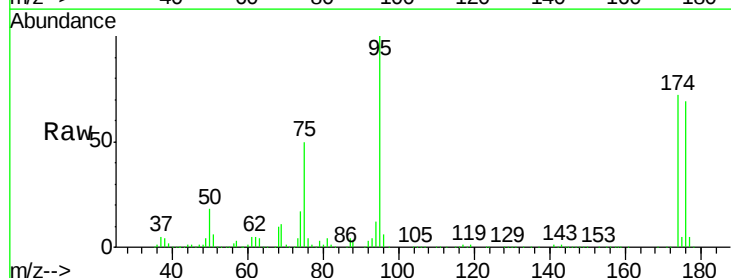
Tgt Ion: 95 Resp: 113855

Ion Ratio Lower Upper

95 100

174 70.0 0.0 140.0

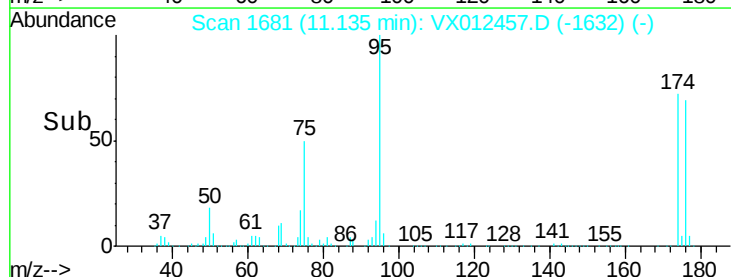
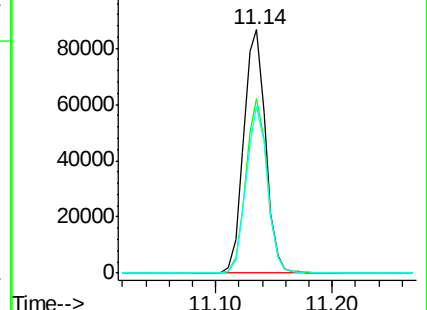
176 67.0 0.0 135.4

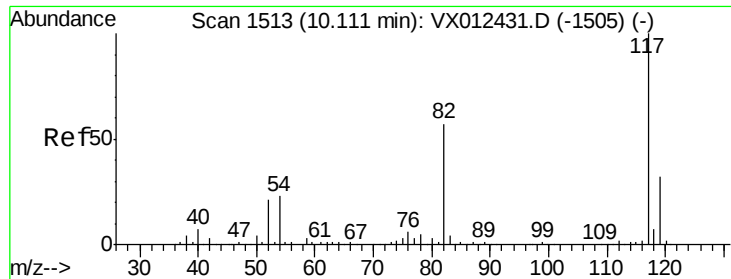


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

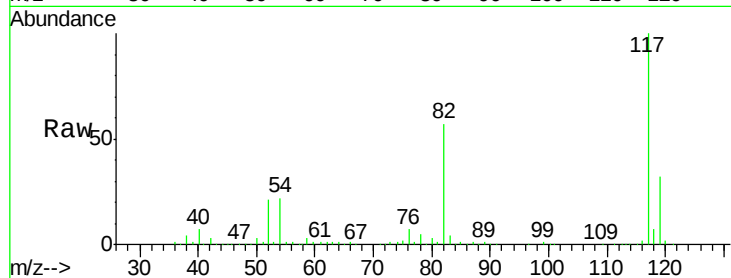




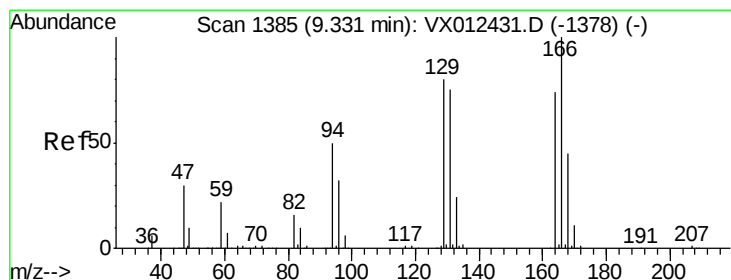
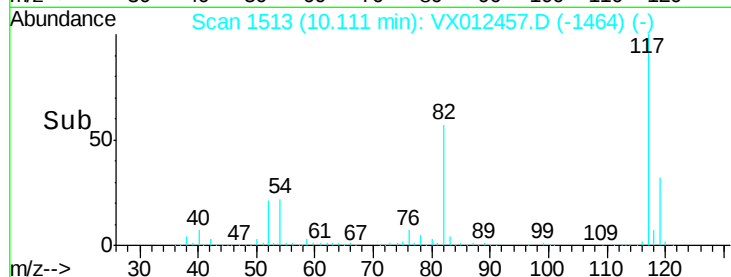
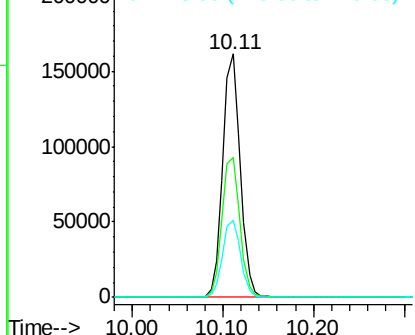
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012457.D
Acq: 18 Sep 2019 01:21

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20190910

Tot Ion:117 Resp: 218870
Ion Ratio Lower Upper
117 100
82 57.3 45.9 68.9
119 31.6 25.3 37.9

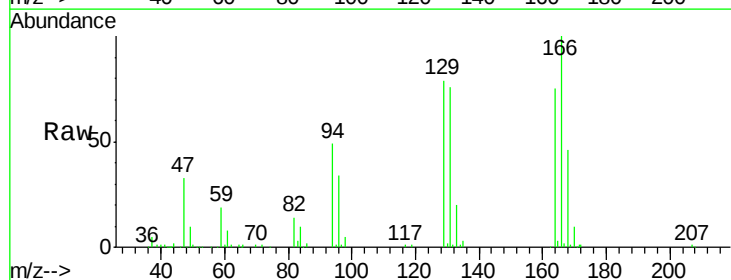


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

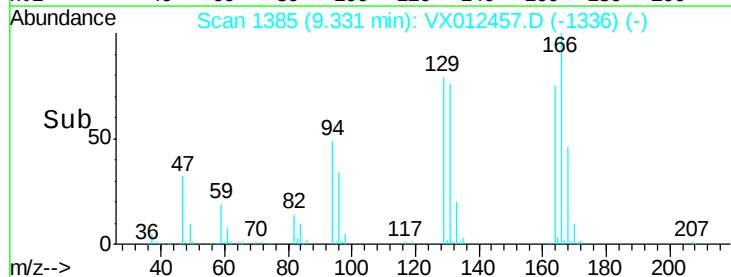
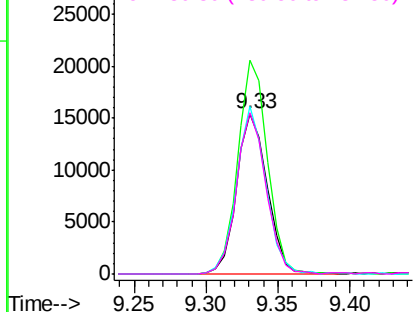


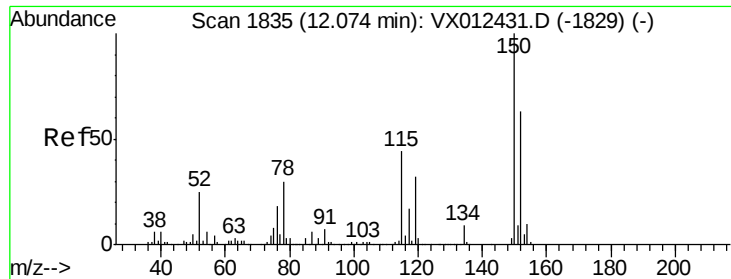
#64
Tetrachloroethene
Concen: 22.603 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012457.D
Acq: 18 Sep 2019 01:21

Tgt Ion:164 Resp: 22670
Ion Ratio Lower Upper
164 100
166 133.2 107.8 161.6
129 104.7 86.2 129.2
131 100.7 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: VX012457.D

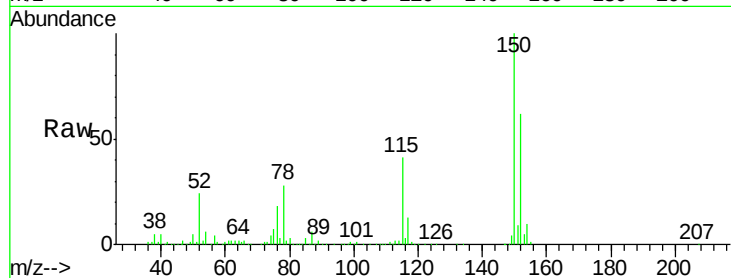
Acq: 18 Sep 2019 01:21

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190910



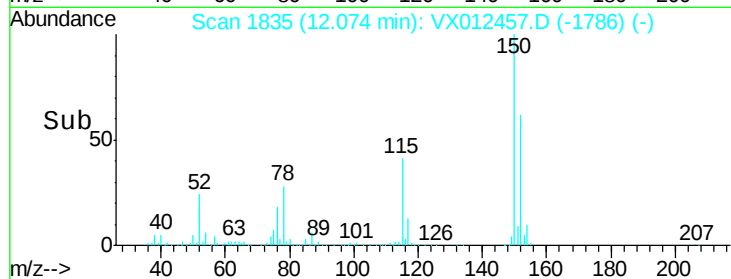
Tot Ion:152 Resp: 97711

Ion Ratio Lower Upper

152 100

115 64.0 44.1 132.3

150 161.7 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

