

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014046.D
 Acq On : 16 Dec 2019 19:30
 Operator : JC/SP
 Sample : K6251-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20191206

Quant Time: Dec 17 05:39:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	565929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	876392	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	773312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	334590	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	316483	49.34	ug/l	0.00
Spiked Amount						
			Recovery	=	98.68%	
35) Dibromofluoromethane	5.49	113	259777	48.76	ug/l	0.00
Spiked Amount						
			Recovery	=	97.52%	
50) Toluene-d8	8.71	98	1024740	49.41	ug/l	0.00
Spiked Amount						
			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.14	95	343833	45.35	ug/l	0.00
Spiked Amount						
			Recovery	=	90.70%	

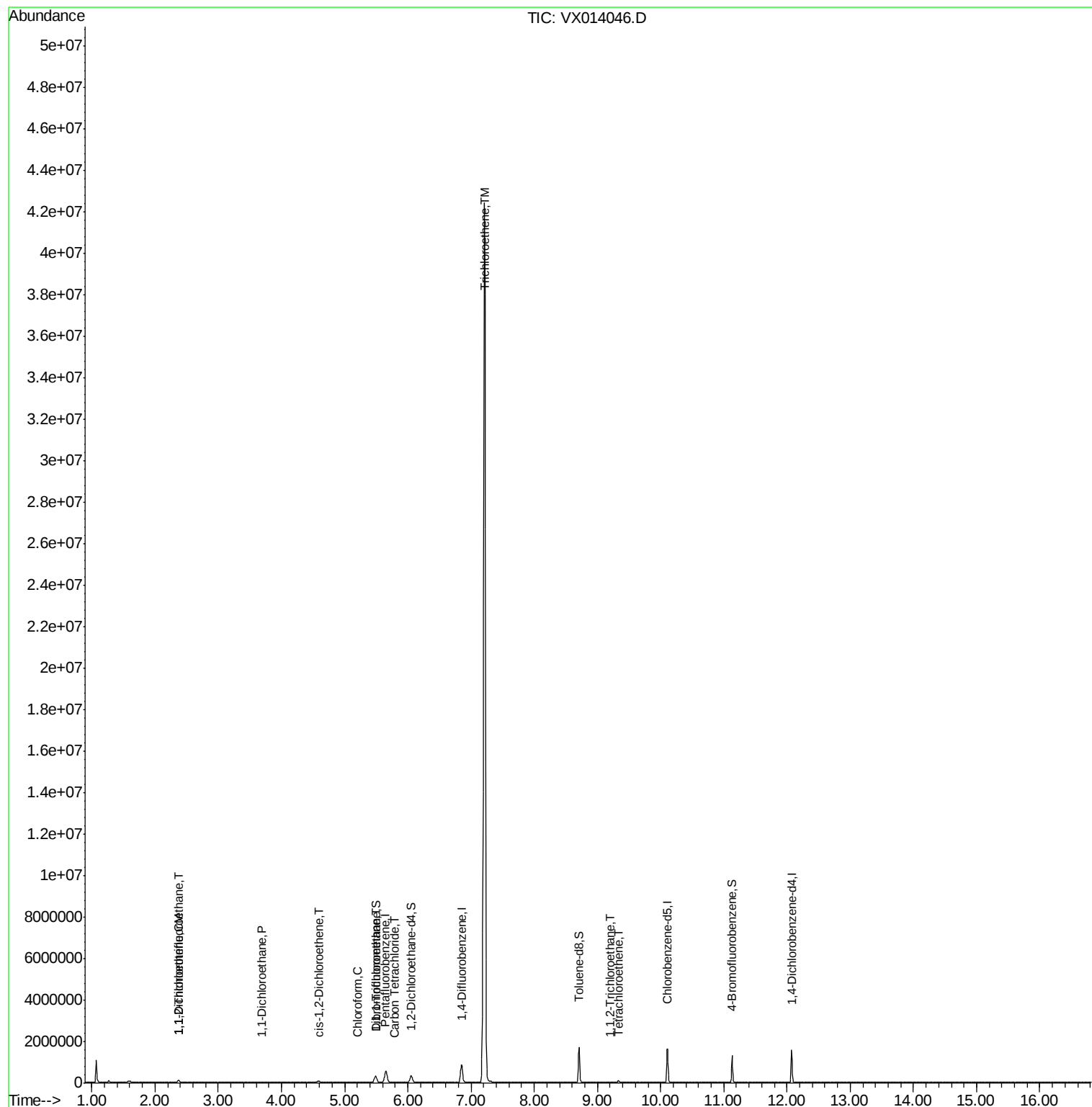
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	23329	4.361	ug/l	93
12) 1,1-Dichloroethene	2.37	96	26602	4.887	ug/l	96
24) 1,1-Dichloroethane	3.69	63	36928	3.427	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	35438	5.225	ug/l	91
30) Chloroform	5.20	83	25319	2.478	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	5044	0.579	ug/l #	46
38) Carbon Tetrachloride	5.78	117	8028	1.096	ug/l	88
44) Trichloroethene	7.22	130	16648753	2436.142	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	7972	1.272	ug/l	89
64) Tetrachloroethene	9.33	164	16518	2.414	ug/l	97

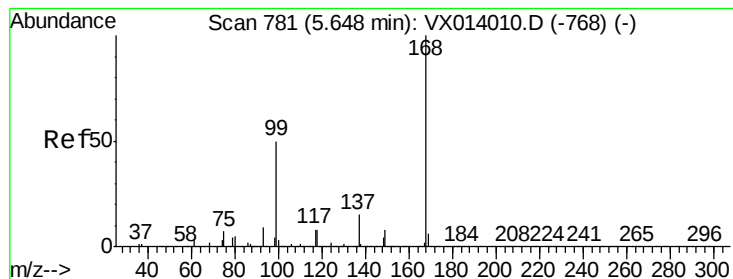
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014046.D

Acq: 16 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

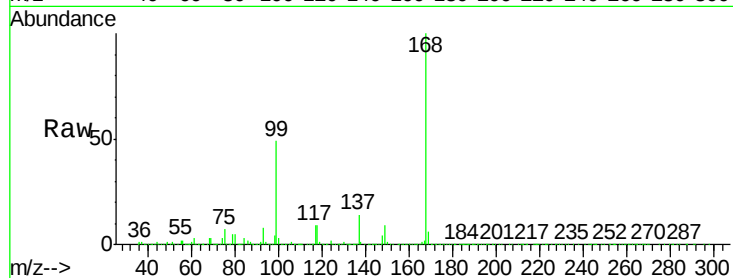
RE108D2-20191206

Tot Ion:168 Resp: 565929

Ion Ratio Lower Upper

168 100

99 48.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

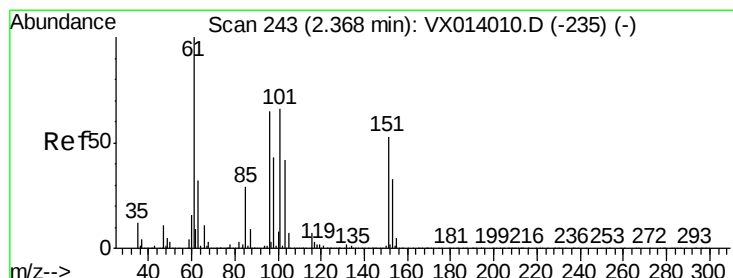
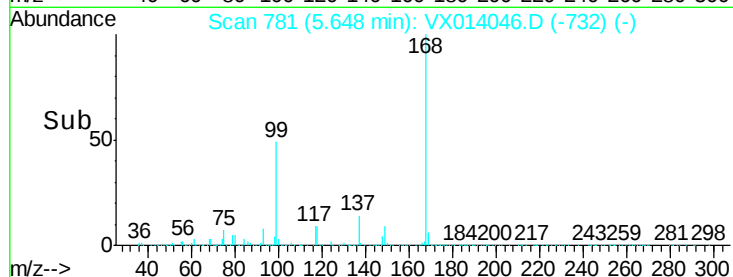
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.361 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014046.D

Acq: 16 Dec 2019 19:30

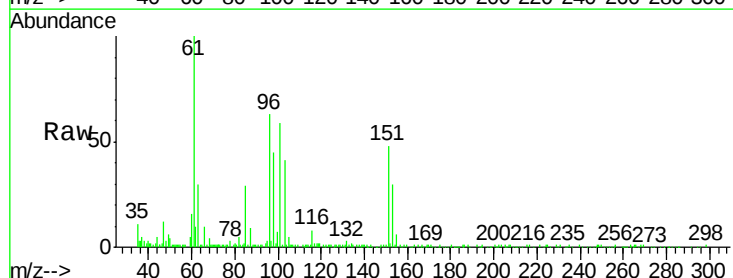
Tgt Ion:101 Resp: 23329

Ion Ratio Lower Upper

101 100

85 48.2 33.7 50.5

151 86.1 64.5 96.7



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

2.37

15000

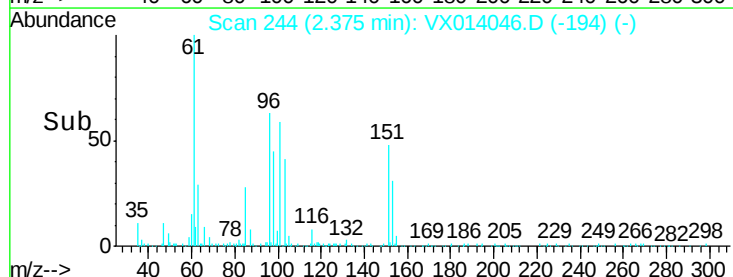
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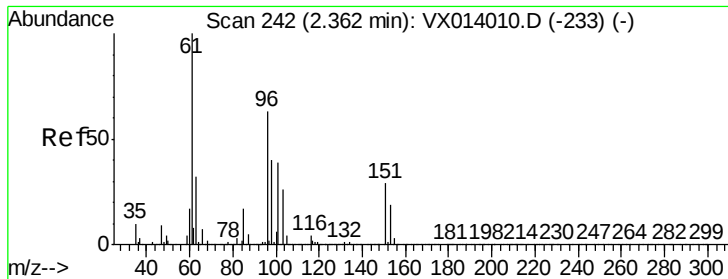
5000

0

Time-->

2.30 2.35 2.40 2.45

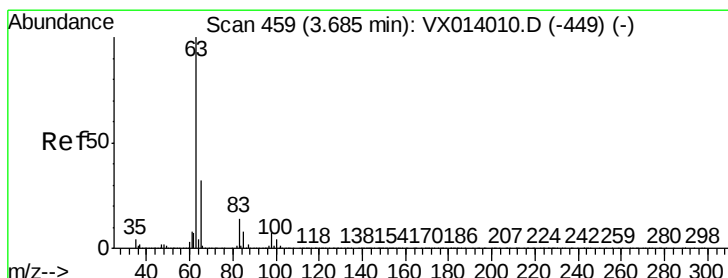
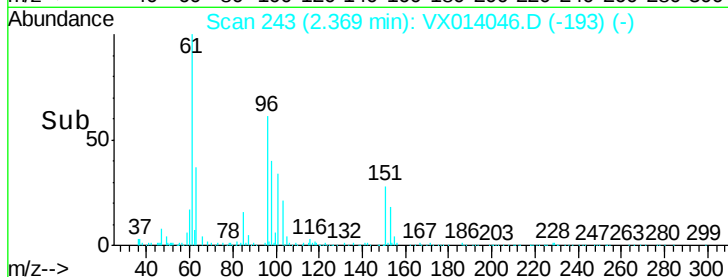
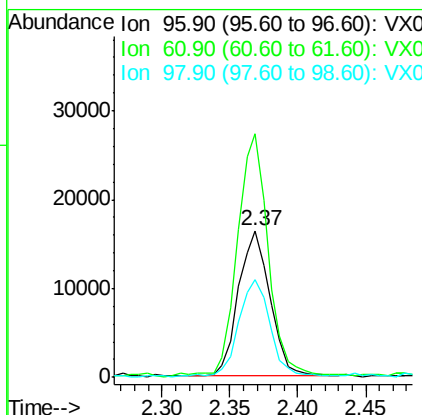
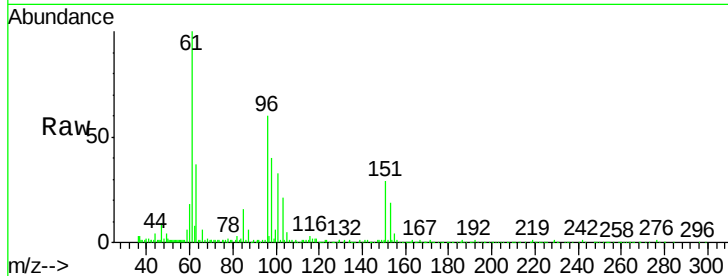




#12
 1,1-Dichloroethene
 Concen: 4.887 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX014046.D
 Acq: 16 Dec 2019 19:30

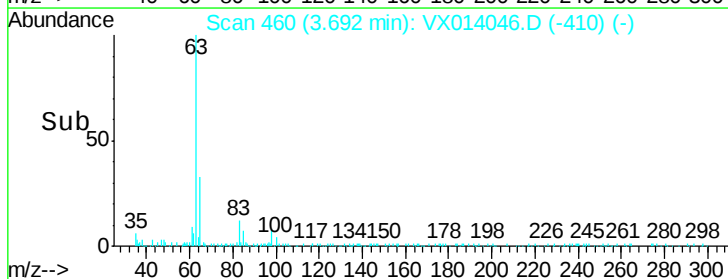
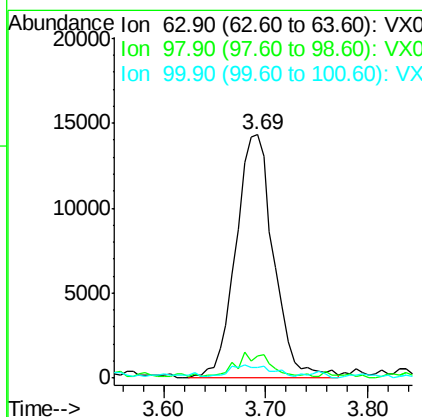
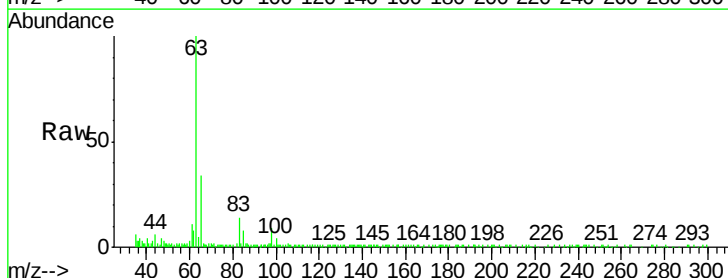
Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20191206

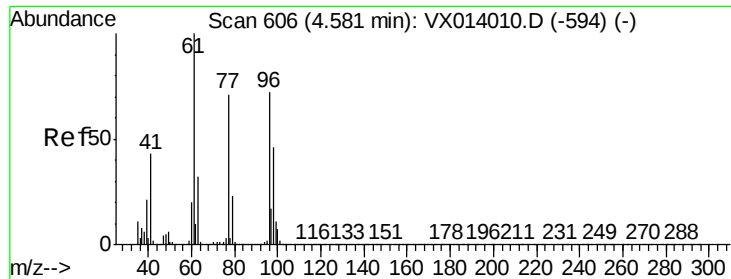
Tot Ion: 96 Resp: 26602
 Ion Ratio Lower Upper
 96 100
 61 164.9 127.9 191.9
 98 66.5 50.5 75.7



#24
 1,1-Dichloroethane
 Concen: 3.427 ug/l
 RT: 3.69 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VX014046.D
 Acq: 16 Dec 2019 19:30

Tgt Ion: 63 Resp: 36928
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.6 10.8
 100 3.7 2.3 6.8



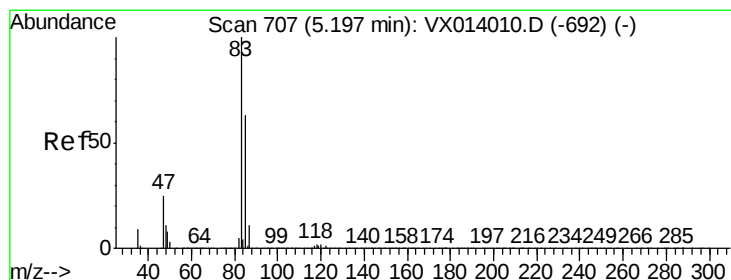
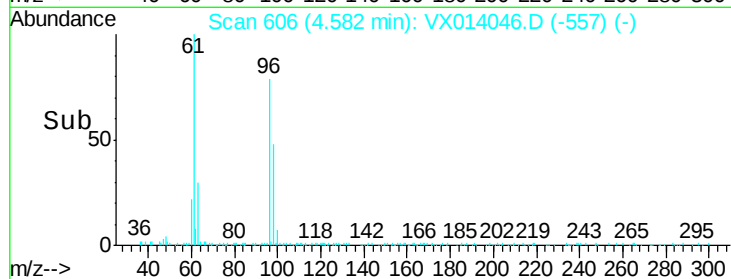
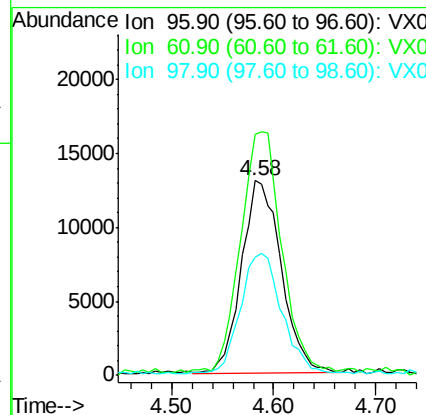
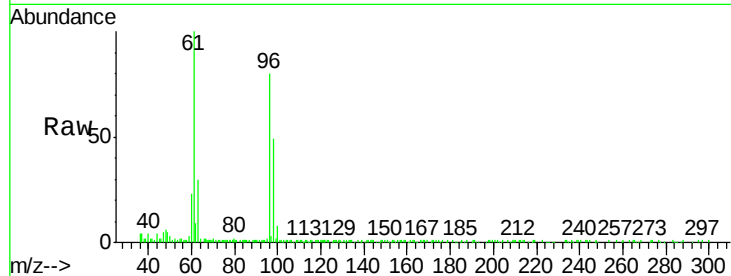


#27

cis-1,2-Dichloroethene
Concen: 5.225 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX014046.D
Acq: 16 Dec 2019 19:30

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20191206

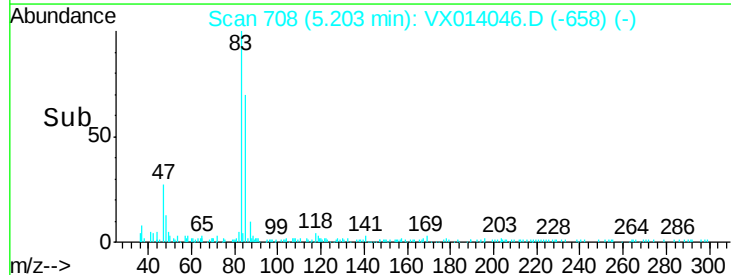
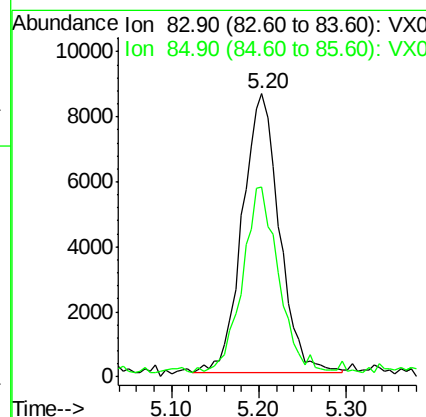
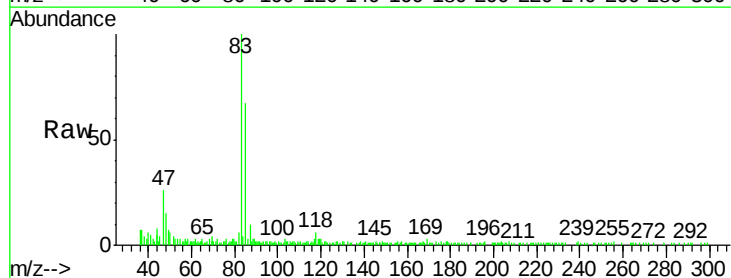
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	288.4
98	64.8	0.0	129.6

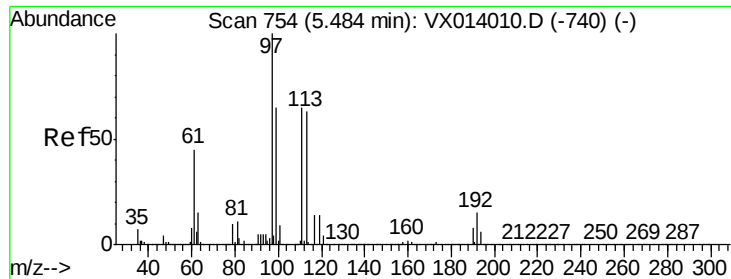


#30

Chloroform
Concen: 2.478 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX014046.D
Acq: 16 Dec 2019 19:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.8	76.2





#32

1,1,1-Trichloroethane

Concen: 0.579 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014046.D

Acq: 16 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20191206

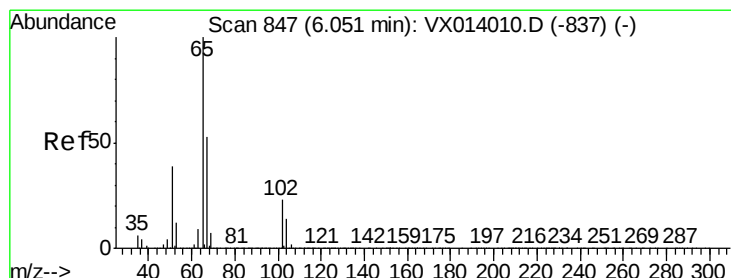
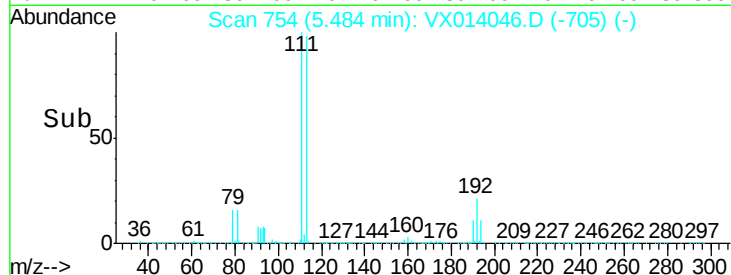
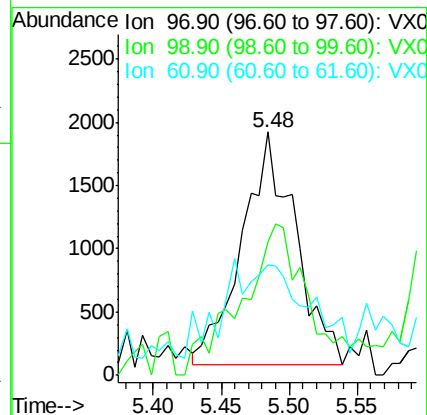
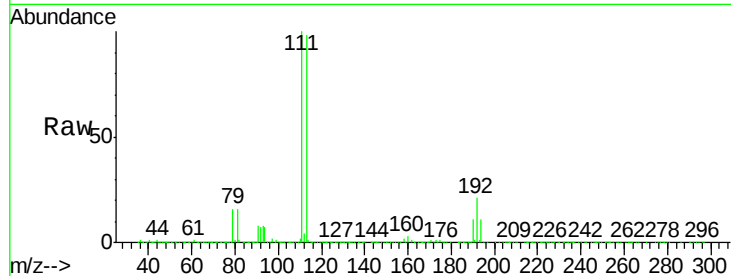
Tot Ion: 97 Resp: 5044

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

61 36.3 36.7 55.1#



#33

1,2-Dichloroethane-d4

Concen: 49.342 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014046.D

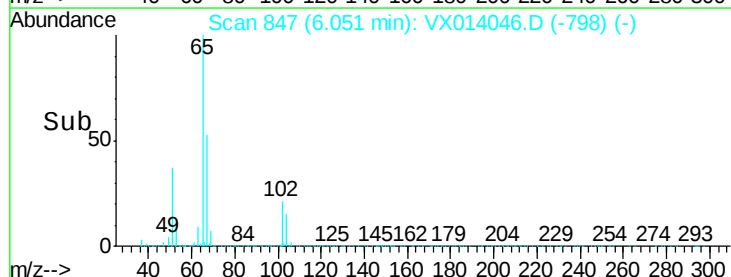
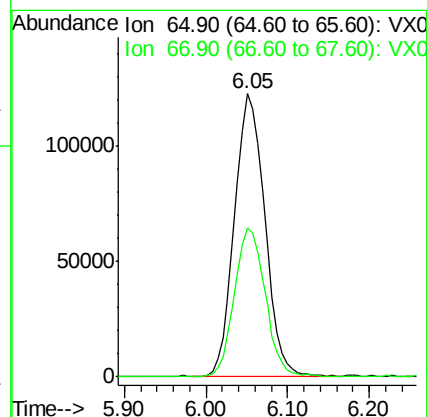
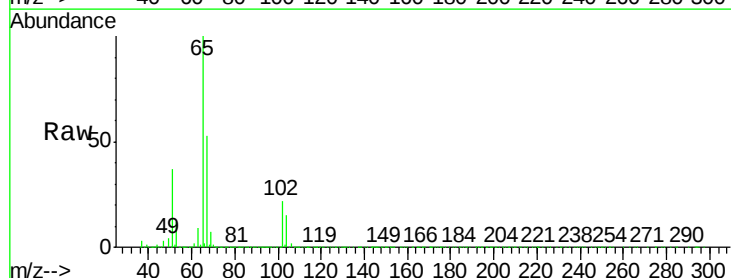
Acq: 16 Dec 2019 19:30

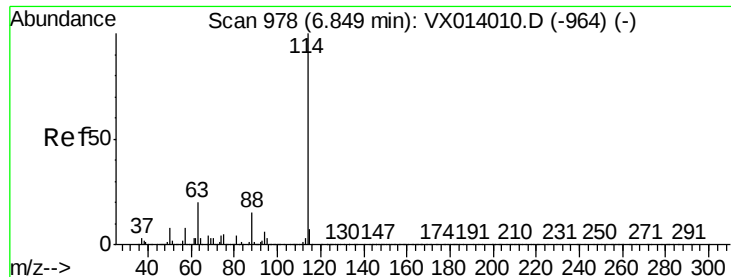
Tgt Ion: 65 Resp: 316483

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014046.D

Acq: 16 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20191206

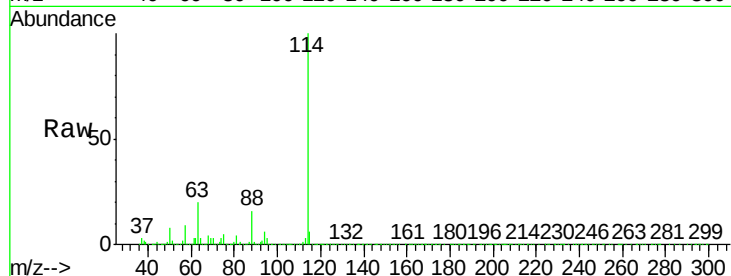
Tot Ion:114 Resp: 876392

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

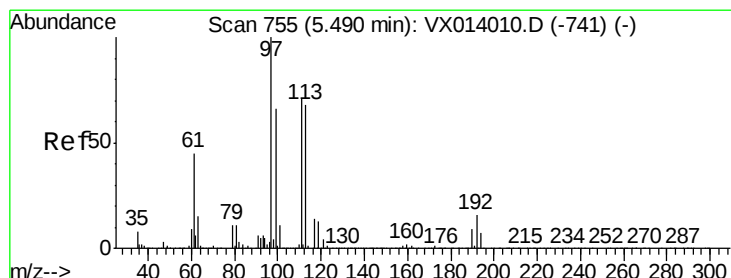
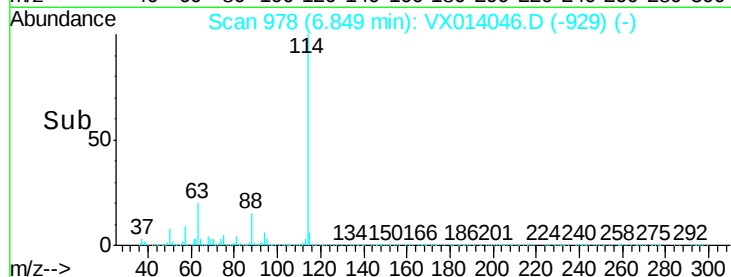
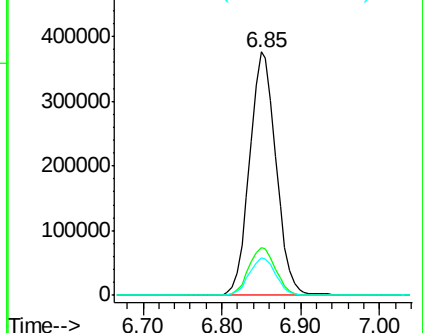
88 15.4 0.0 30.4



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: 48.762 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014046.D

Acq: 16 Dec 2019 19:30

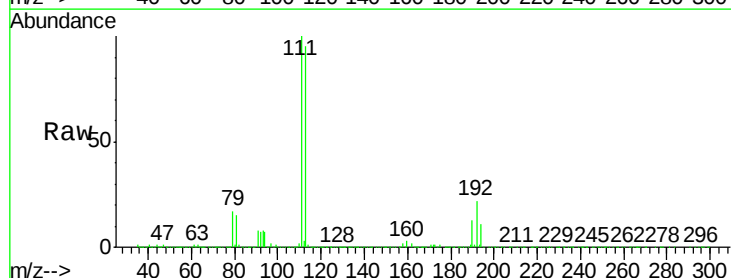
Tgt Ion:113 Resp: 259777

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

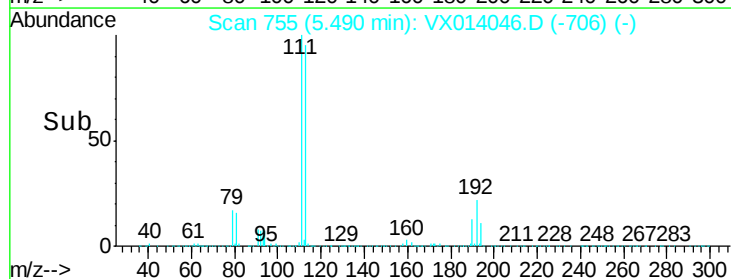
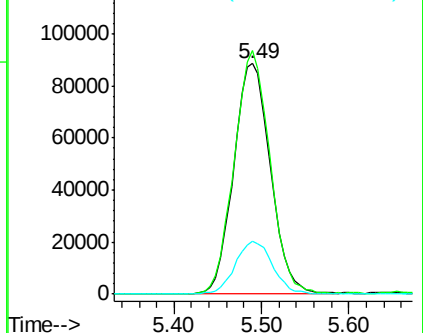
192 23.2 19.3 28.9

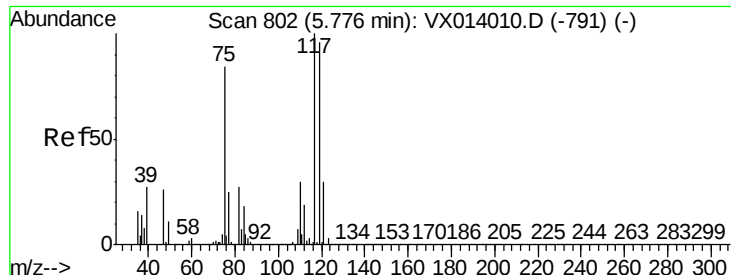


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 1.096 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX014046.D

Acq: 16 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20191206

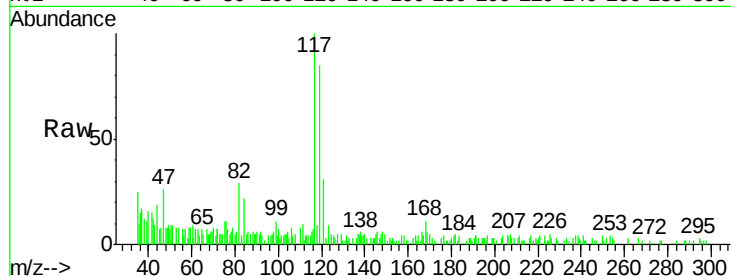
Tot Ion:117 Resp: 8028

Ion Ratio Lower Upper

117 100

119 81.6 76.2 114.4

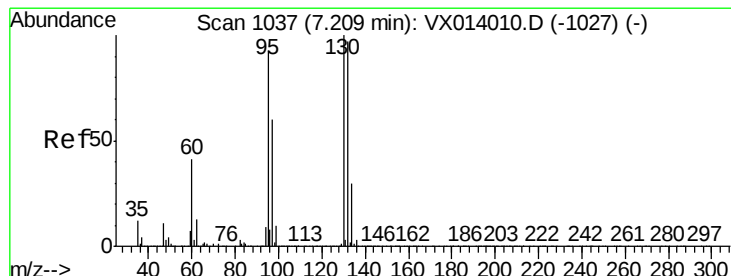
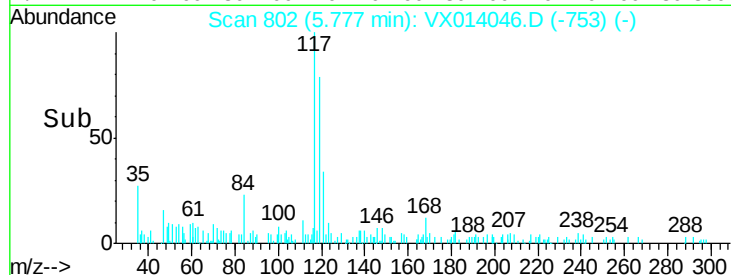
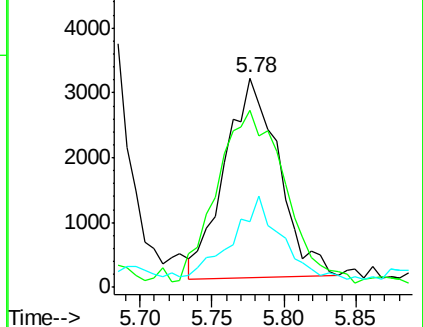
121 27.4 23.6 35.4



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: 2436.142 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX014046.D

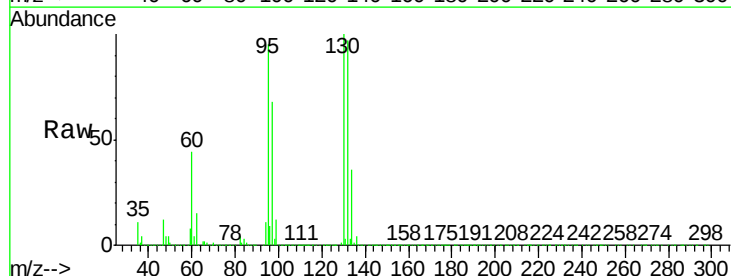
Acq: 16 Dec 2019 19:30

Tgt Ion:130 Resp:16648753

Ion Ratio Lower Upper

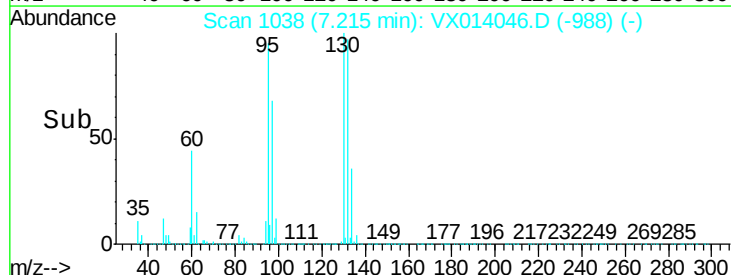
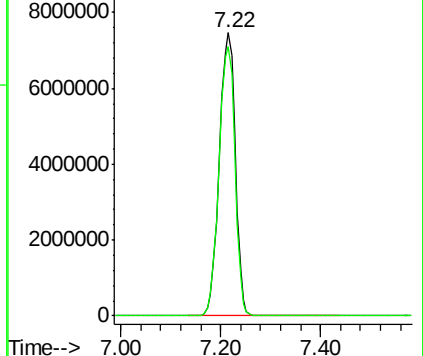
130 100

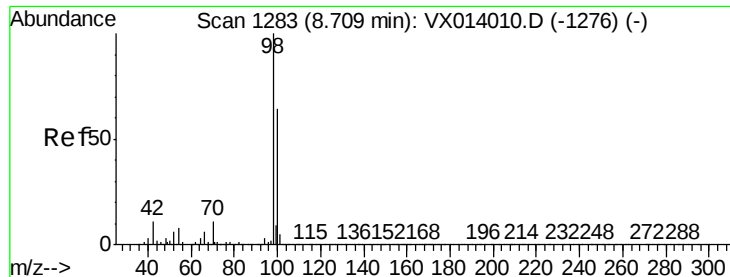
95 95.3 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.406 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014046.D

Acq: 16 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

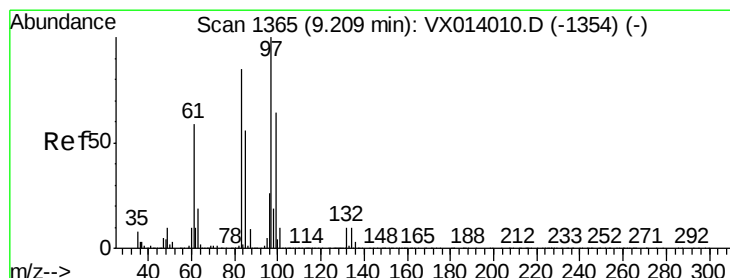
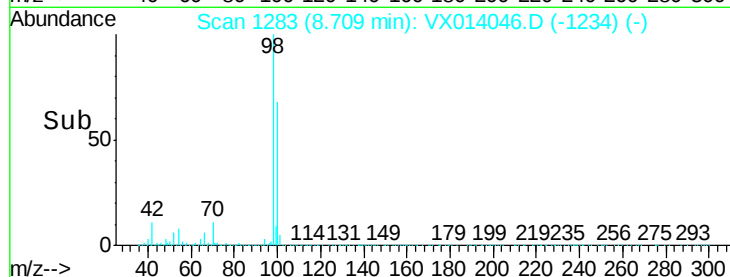
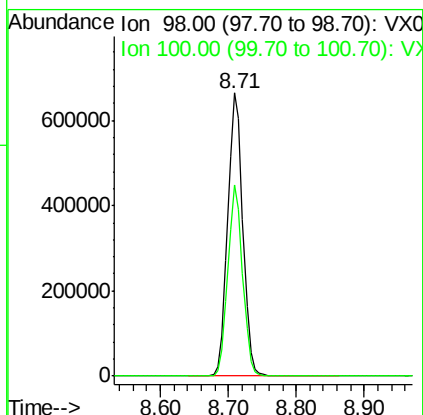
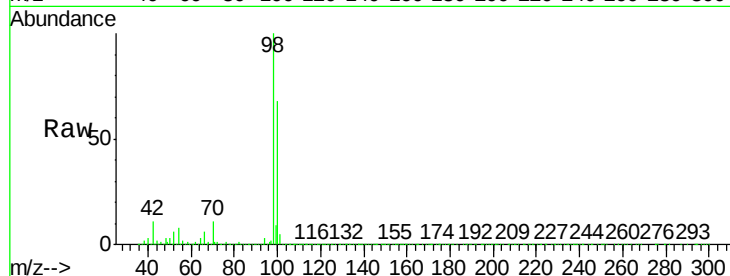
RE108D2-20191206

Tot Ion: 98 Resp: 1024740

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



#55

1,1,2-Trichloroethane

Concen: 1.272 ug/l

RT: 9.21 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VX014046.D

Acq: 16 Dec 2019 19:30

Tgt Ion: 97 Resp: 7972

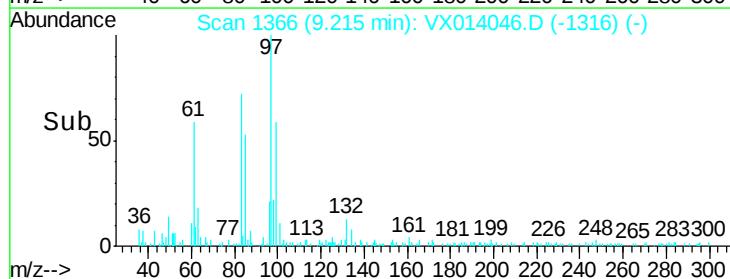
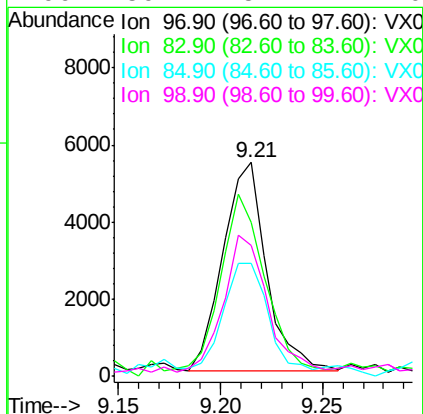
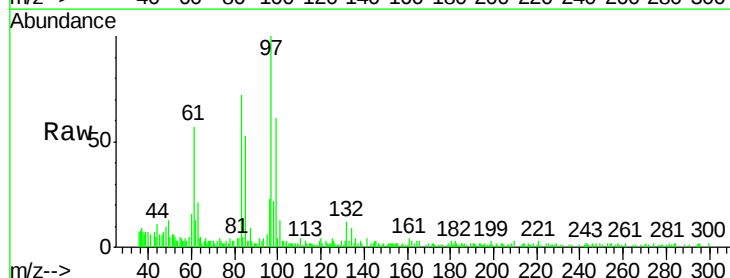
Ion Ratio Lower Upper

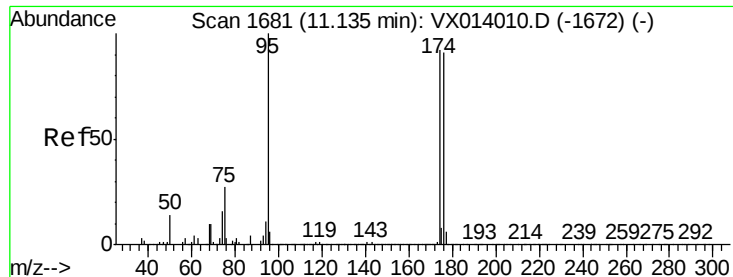
97 100

83 70.0 68.2 102.4

85 50.5 44.6 66.8

99 59.2 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 45.349 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014046.D

Acq: 16 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20191206

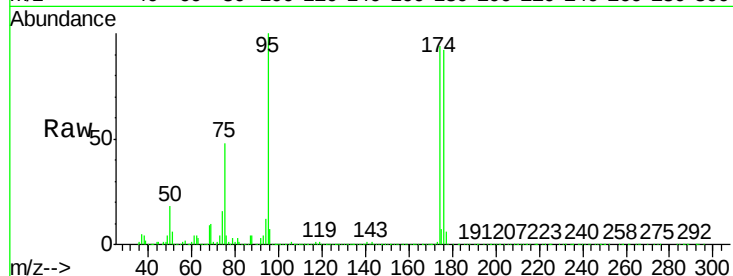
Tot Ion: 95 Resp: 343833

Ion Ratio Lower Upper

95 100

174 88.5 0.0 175.8

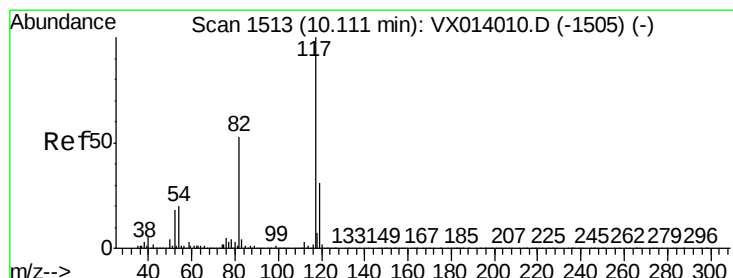
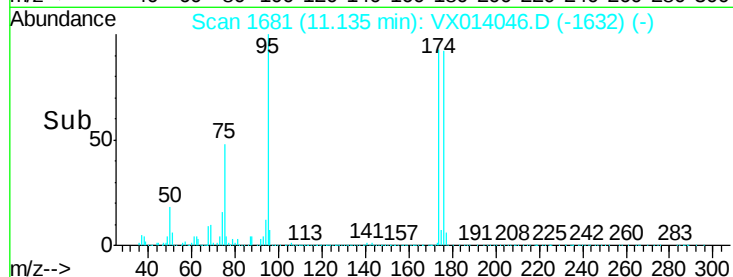
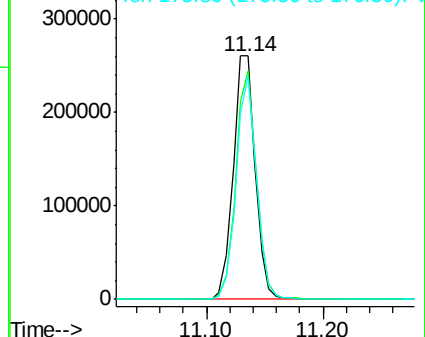
176 85.2 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX014046.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX014046.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX014046.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014046.D

Acq: 16 Dec 2019 19:30

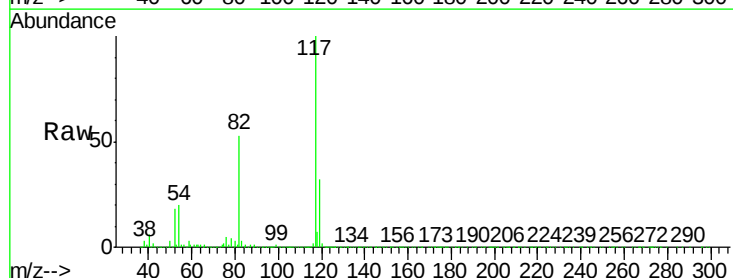
Tgt Ion: 117 Resp: 773312

Ion Ratio Lower Upper

117 100

82 52.8 42.2 63.4

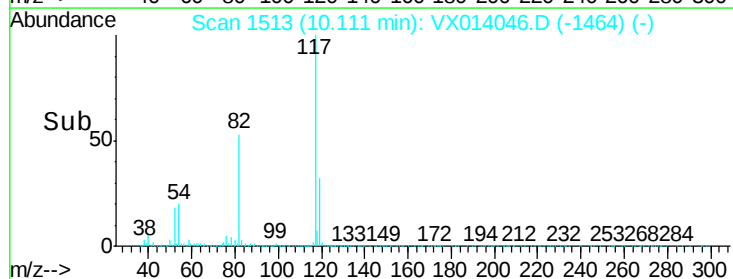
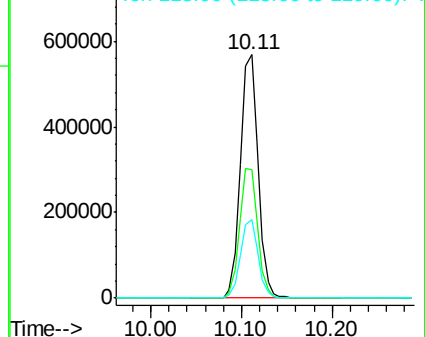
119 32.1 25.1 37.7

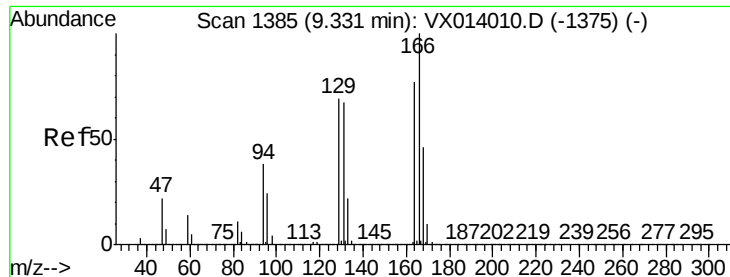


Abundance Ion 116.90 (116.60 to 117.60): VX014046.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014046.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014046.D (-1464) (-)

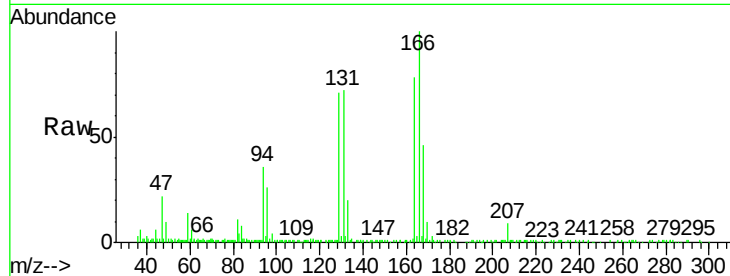




#64
Tetrachloroethene
Concen: 2.414 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014046.D
Acq: 16 Dec 2019 19:30

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20191206

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.5	104.0	156.0
129	90.6	72.2	108.4
131	91.0	69.6	104.4



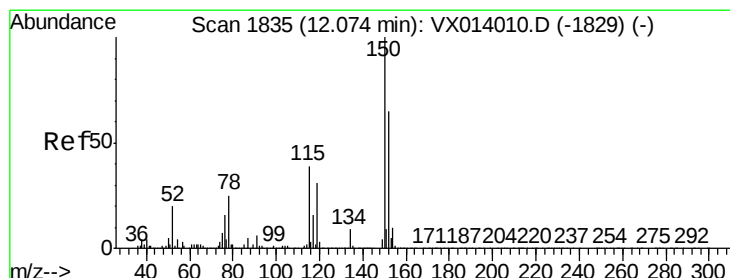
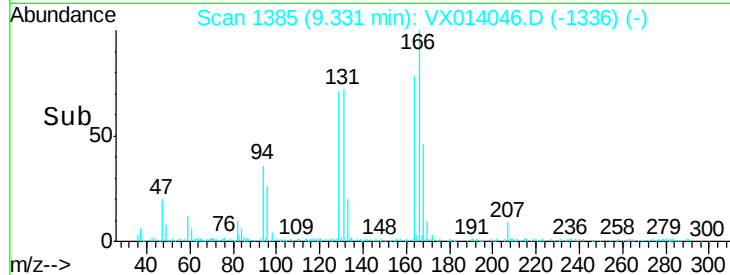
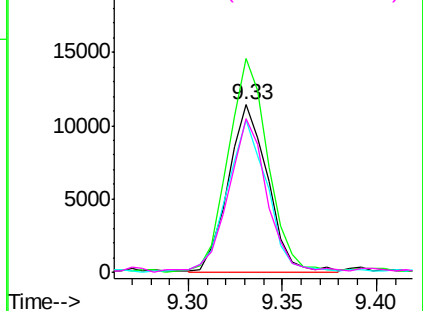
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

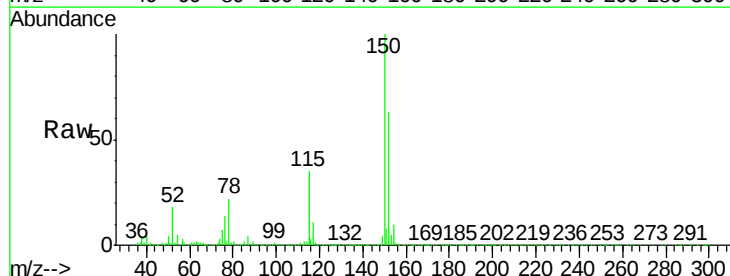
Ion 128.80 (128.50 to 129.50): V

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: VX014046.D
Acq: 16 Dec 2019 19:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	38.3	114.9
150	156.0	0.0	345.4



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

