

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070318\
 Data File : VX003146.D
 Acq On : 03 Jul 2018 14:05
 Operator : JC/MD
 Sample : I.BLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

Quant Time: Jul 04 03:54:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360370	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185458	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	164959	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
35) Dibromofluoromethane	5.51	113	136551	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.72	98	501110	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.14	95	172851	43.01	ug/l	0.00
Spiked Amount			Recovery	=	86.02%	

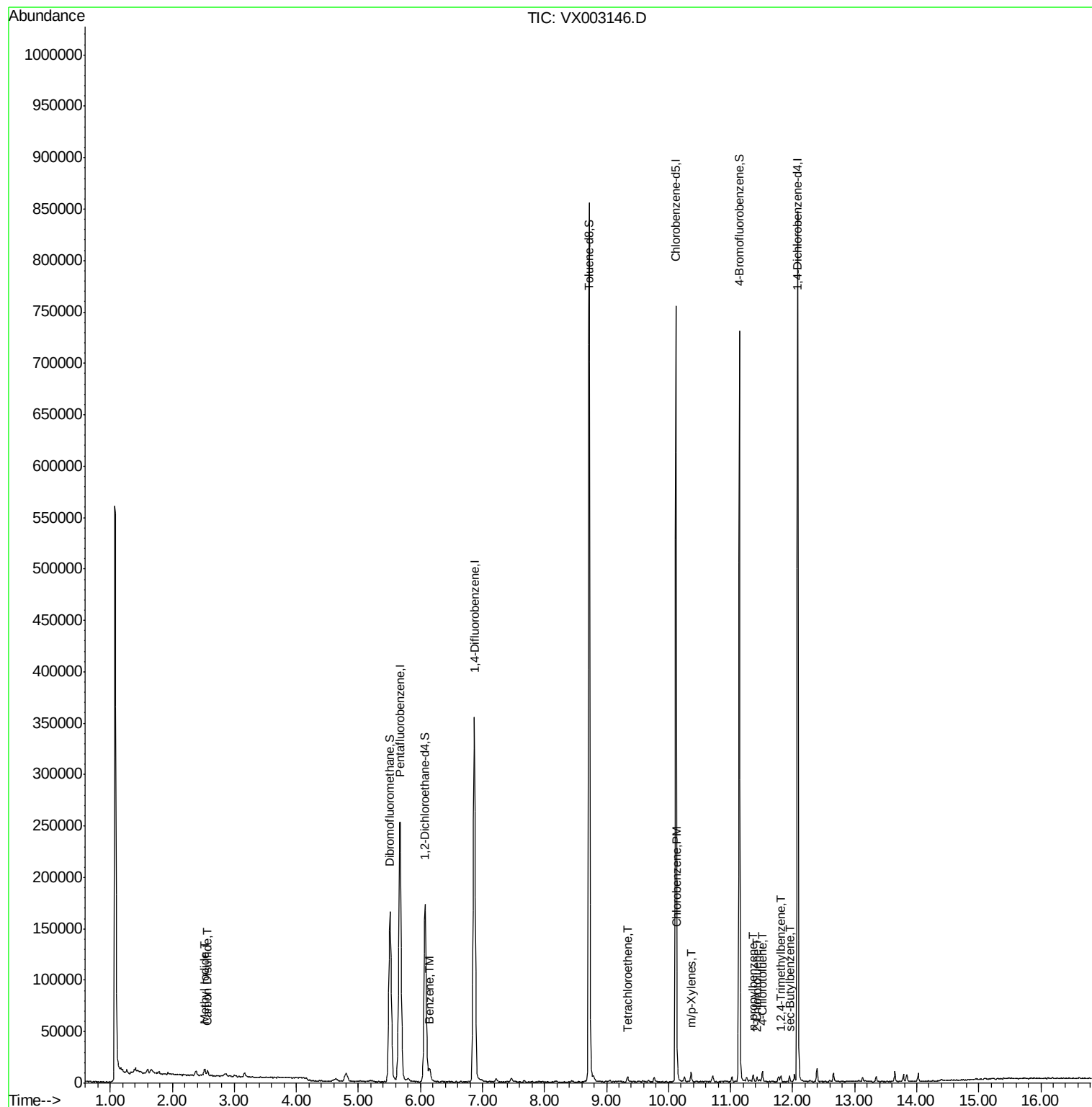
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	7975	8.610	ug/l	97
17) Carbon Disulfide	2.57	76	6350	0.925	ug/l #	85
40) Benzene	6.15	78	13680	1.191	ug/l	91
64) Tetrachloroethene	9.34	164	1000	0.273	ug/l	90
65) Chlorobenzene	10.14	112	1966	0.235	ug/l	99
68) m/p-Xylenes	10.37	106	2097	0.393	ug/l	87
78) n-propylbenzene	11.37	91	3533	0.249	ug/l	96
79) 2-Chlorotoluene	11.43	91	1889	0.220	ug/l	90
82) 4-Chlorotoluene	11.52	91	3085	0.303	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	2263	0.208	ug/l	93
85) sec-Butylbenzene	11.95	105	2764	0.220	ug/l	99

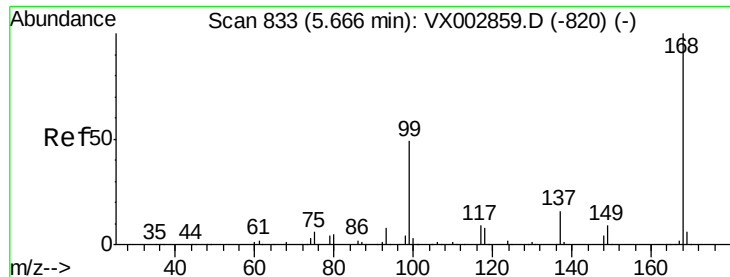
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

ClientSampleId :

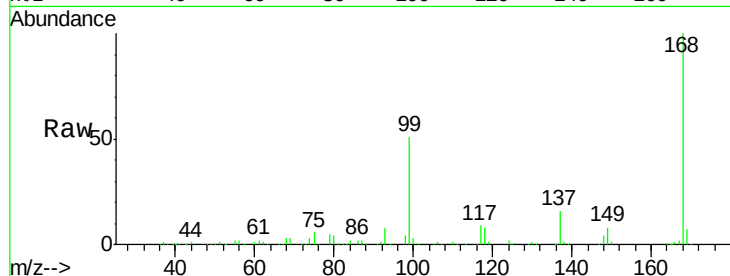
I.BLK

Tot Ion:168 Resp: 261206

Ion Ratio Lower Upper

168 100

99 50.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

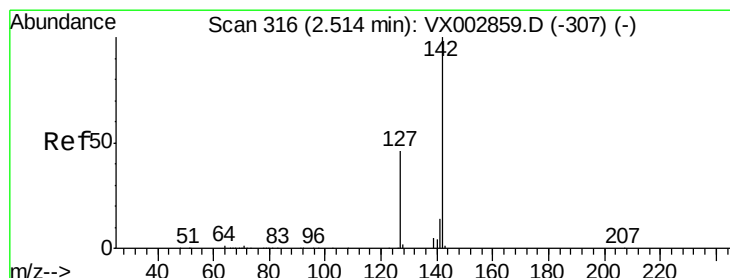
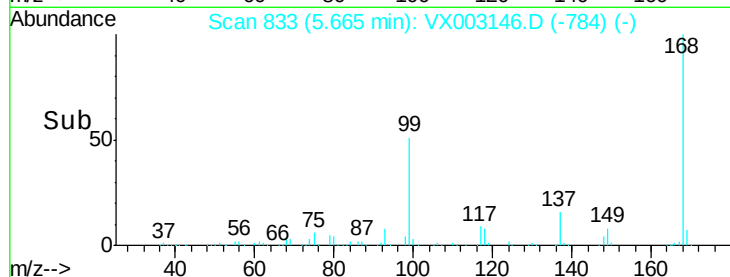
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 8.610 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

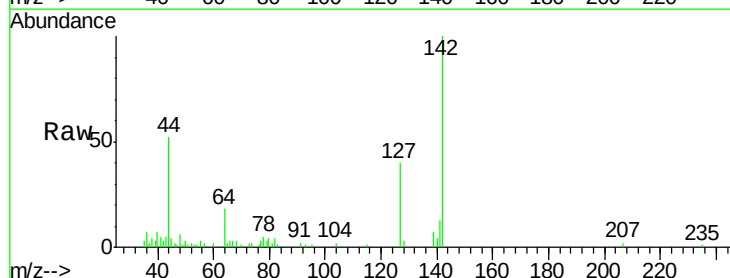
Tgt Ion:142 Resp: 7975

Ion Ratio Lower Upper

142 100

127 43.3 36.6 55.0

141 14.5 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.52

5000

4000

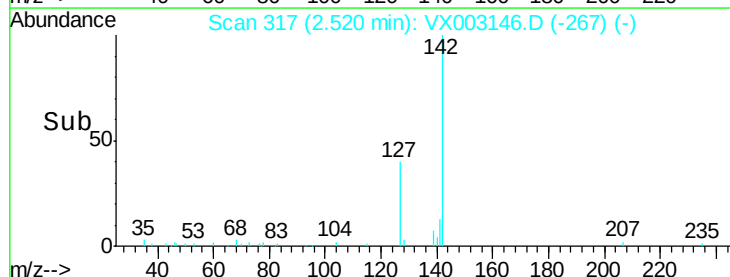
3000

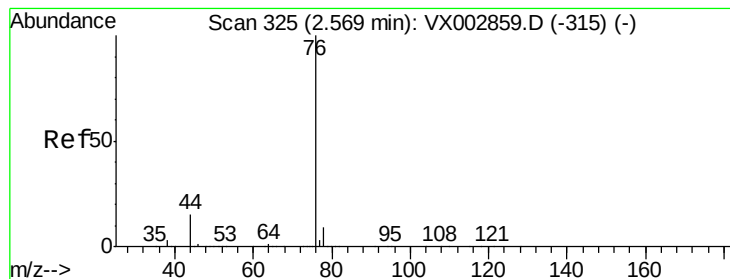
2000

1000

0

Time--> 2.40 2.50 2.60





#17

Carbon Disulfide

Concen: 0.925 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

ClientSampleId :

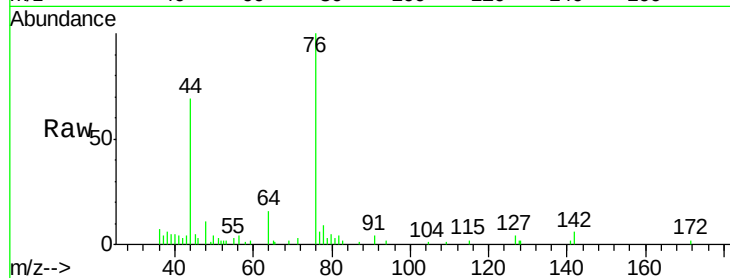
I.BLK

Tot Ion: 76 Resp: 6350

Ion Ratio Lower Upper

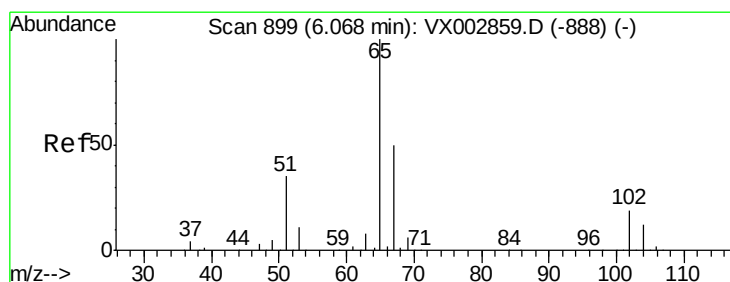
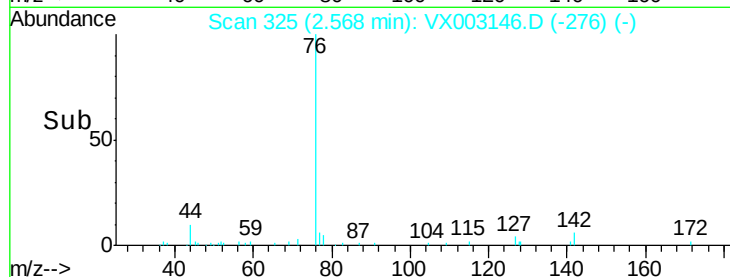
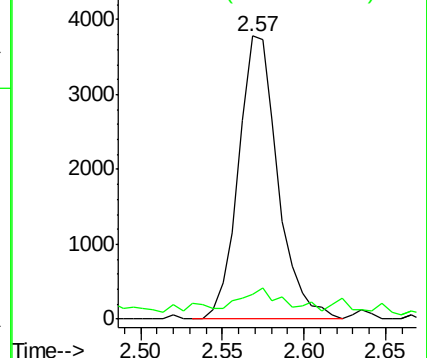
76 100

78 3.3 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.690 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003146.D

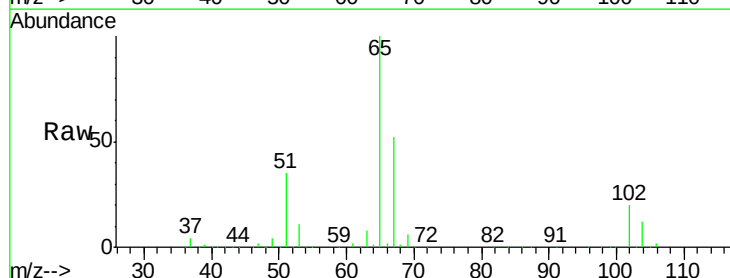
Acq: 03 Jul 2018 14:05

Tgt Ion: 65 Resp: 164959

Ion Ratio Lower Upper

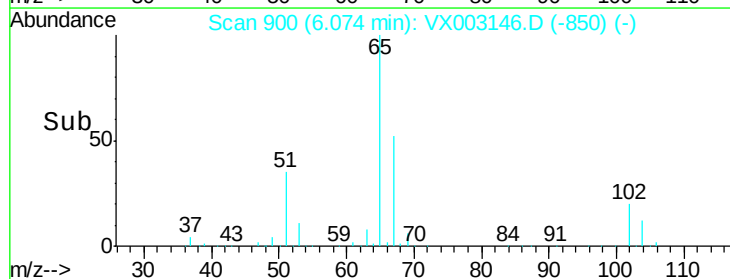
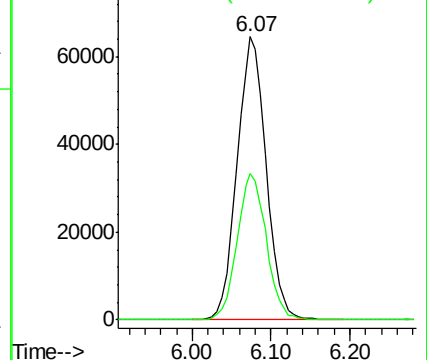
65 100

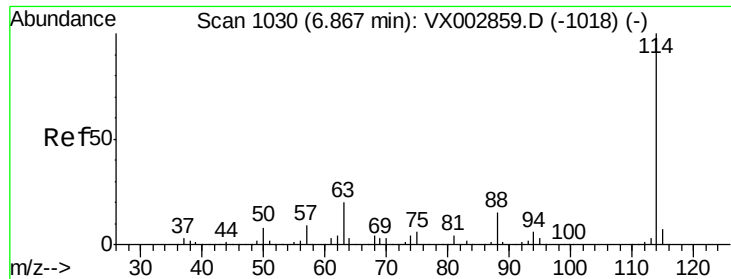
67 51.8 0.0 102.6



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: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

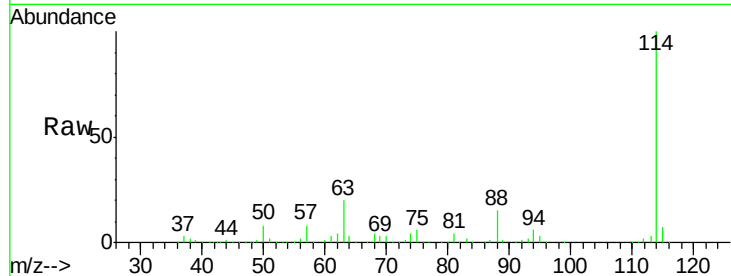
Tot Ion:114 Resp: 360370

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

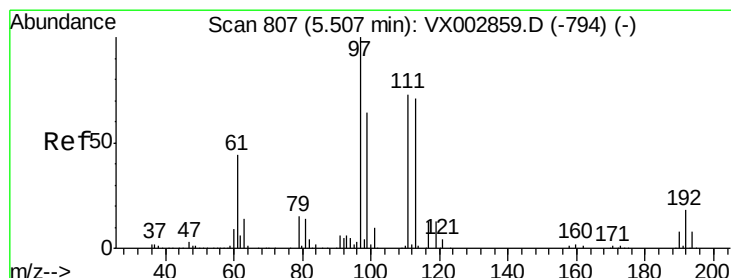
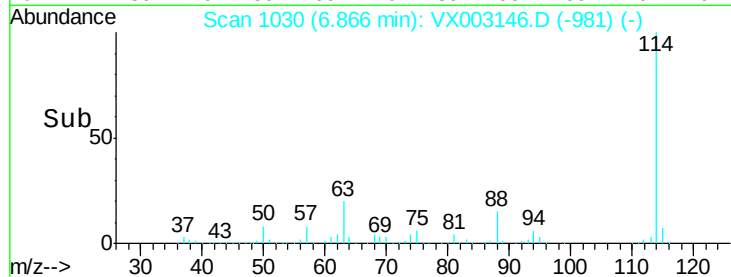
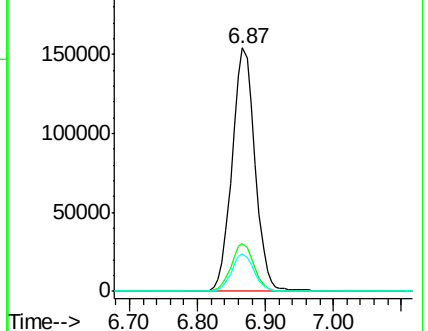
88 15.3 0.0 30.0



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: 47.849 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

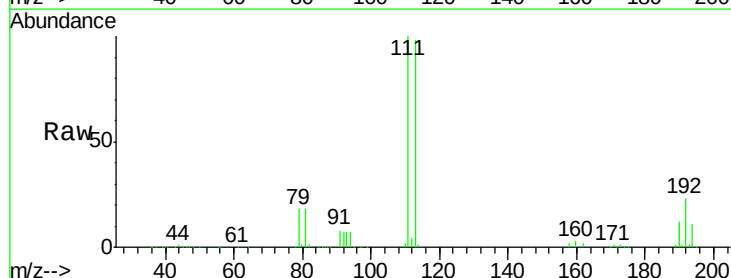
Tgt Ion:113 Resp: 136551

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

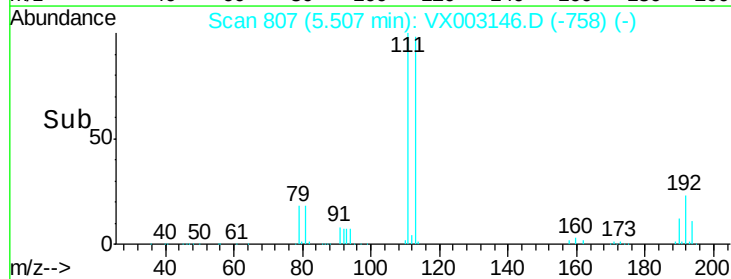
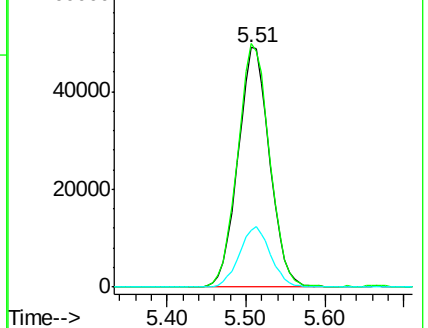
192 25.1 19.1 28.7

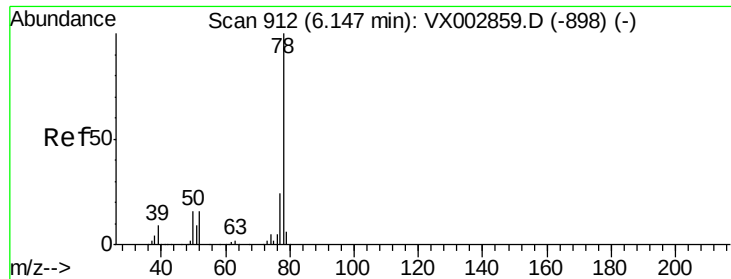


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.191 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

ClientSampleId :

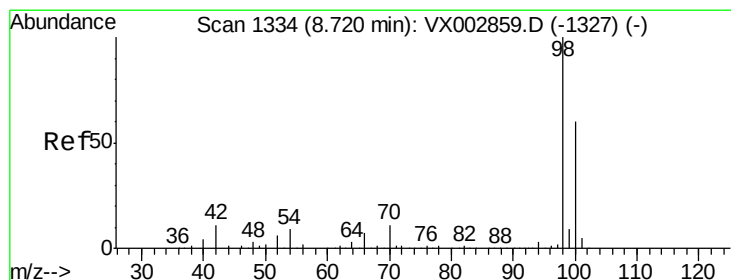
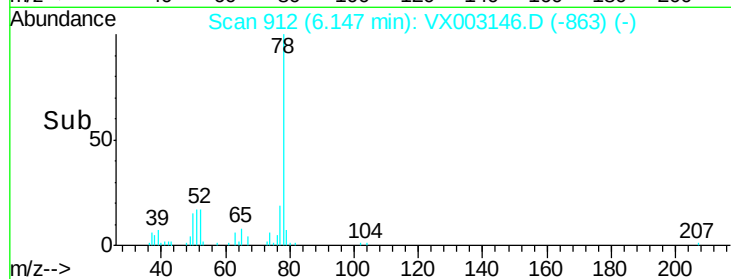
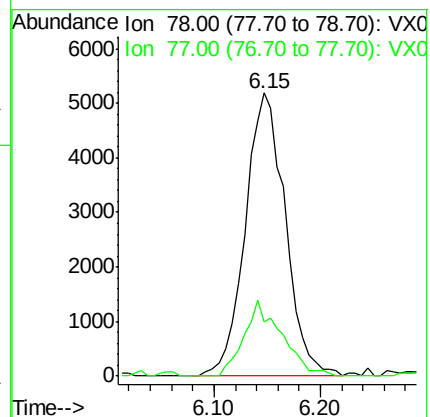
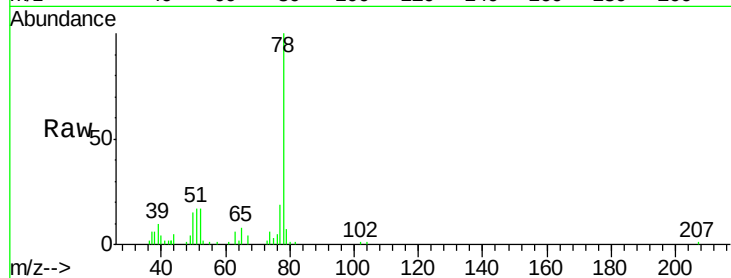
I.BLK

Tot Ion: 78 Resp: 13680

Ion Ratio Lower Upper

78 100

77 19.3 19.1 28.7



#50

Toluene-d8

Concen: 48.085 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003146.D

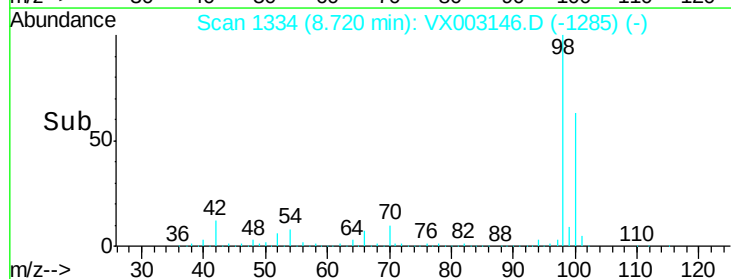
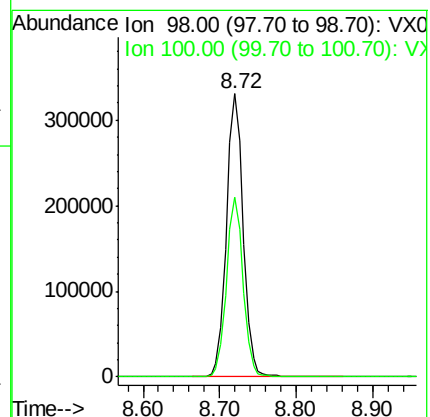
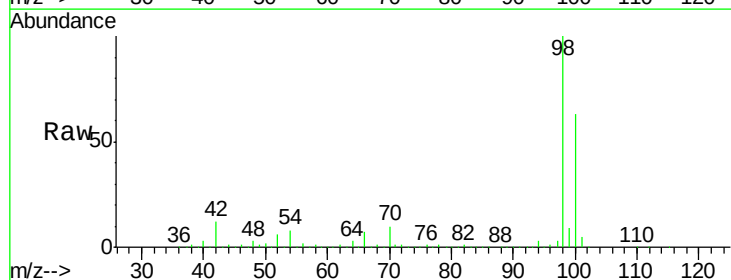
Acq: 03 Jul 2018 14:05

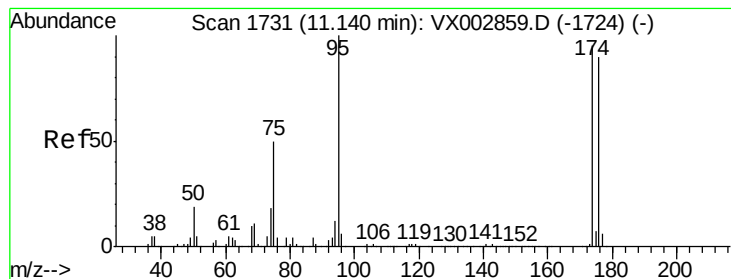
Tgt Ion: 98 Resp: 501110

Ion Ratio Lower Upper

98 100

100 63.0 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 43.008 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

ClientSampled :

I.BLK

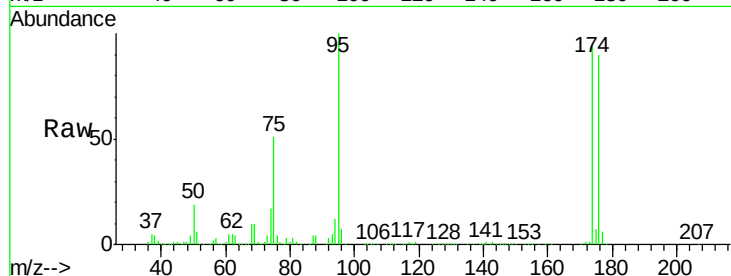
Tot Ion: 95 Resp: 172851

Ion Ratio Lower Upper

95 100

174 98.1 0.0 187.4

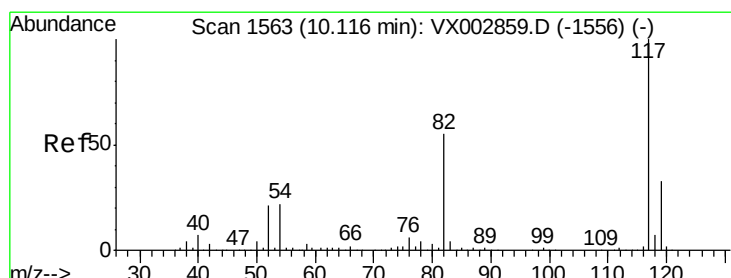
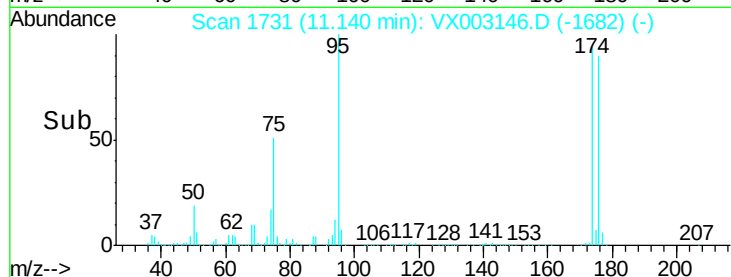
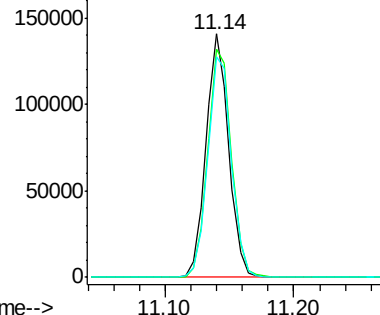
176 94.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

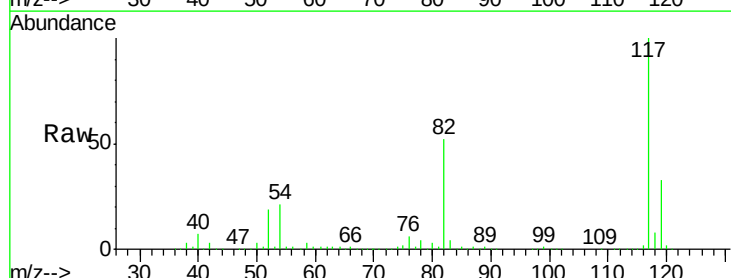
Tgt Ion: 117 Resp: 329620

Ion Ratio Lower Upper

117 100

82 52.4 45.0 67.4

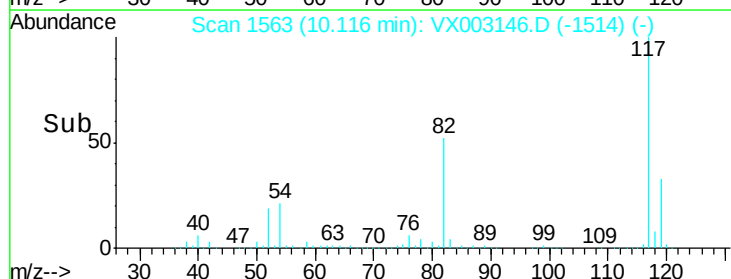
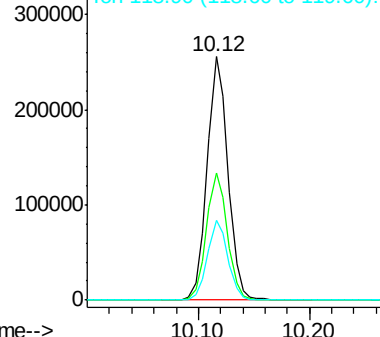
119 32.7 25.8 38.6

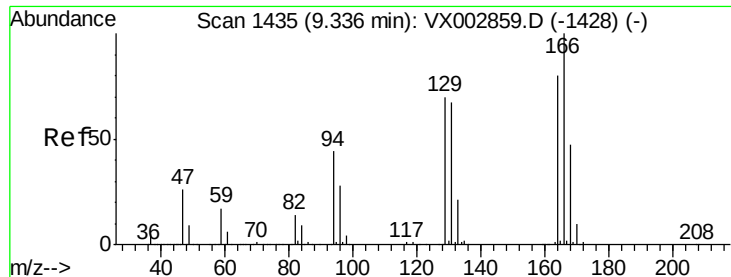


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

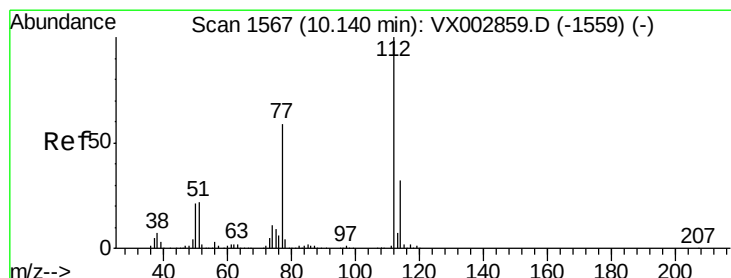
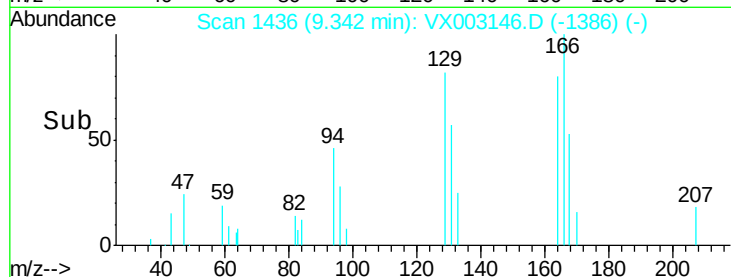
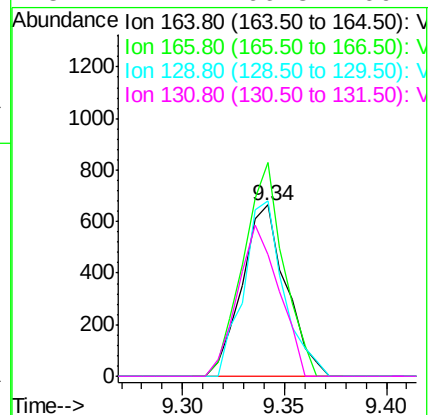
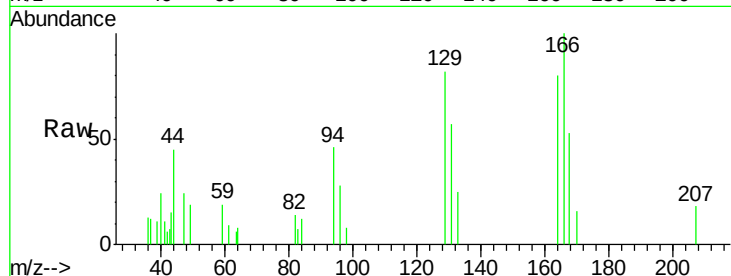




#64
 Tetrachloroethene
 Concen: 0.273 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.01 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

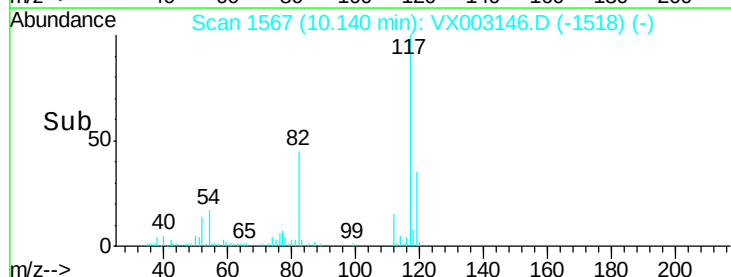
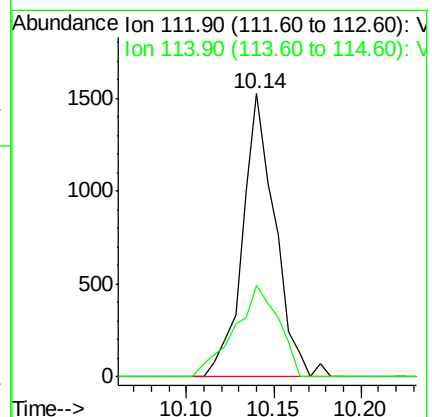
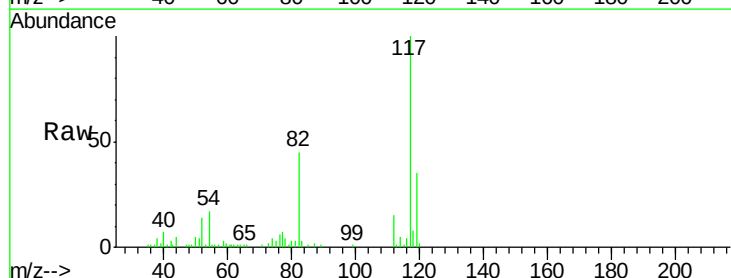
Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

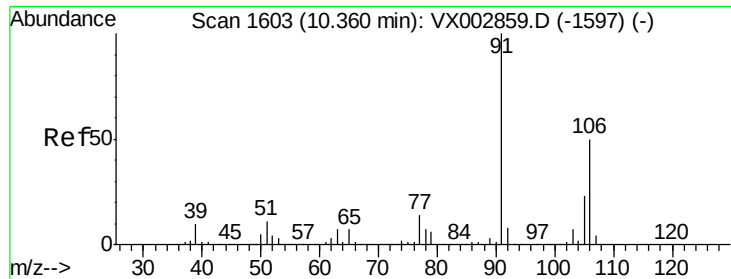
Tot Ion:164	Resp:	1000
Ion	Ratio	Lower Upper
164	100	
166	124.8	102.9 154.3
129	102.1	68.6 102.8
131	71.1	66.8 100.2



#65
 Chlorobenzene
 Concen: 0.235 ug/l
 RT: 10.14 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Tgt Ion:112	Resp:	1966
Ion	Ratio	Lower Upper
112	100	
114	32.3	25.3 37.9

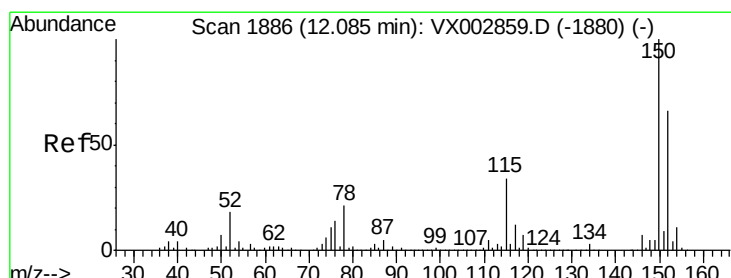
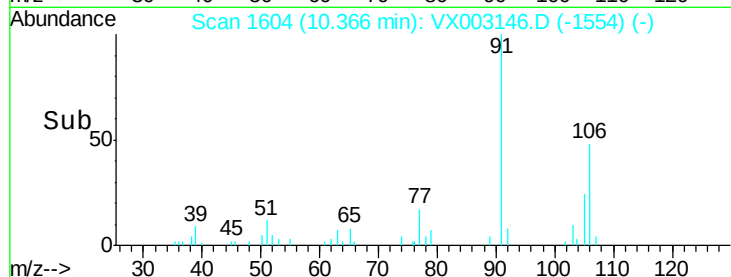
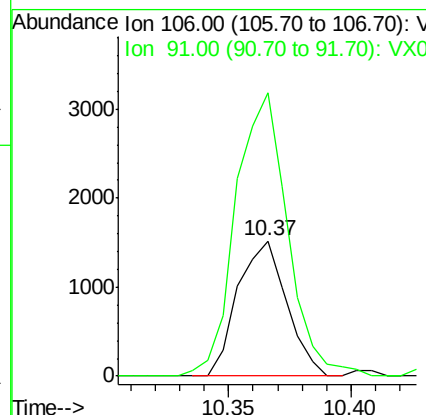
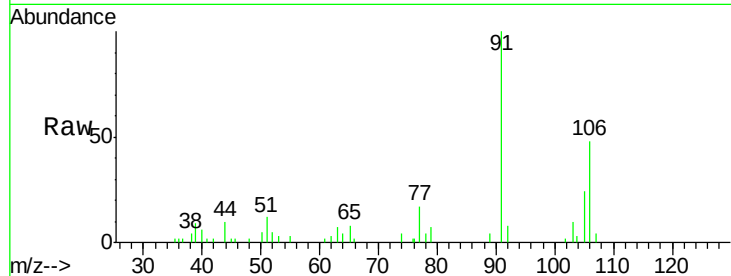




#68
m/p-Xvlenes
Concen: 0.393 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

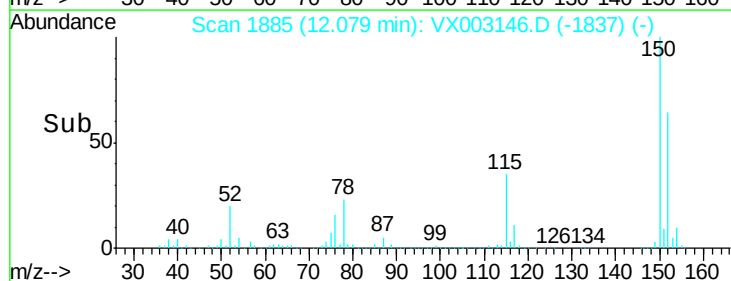
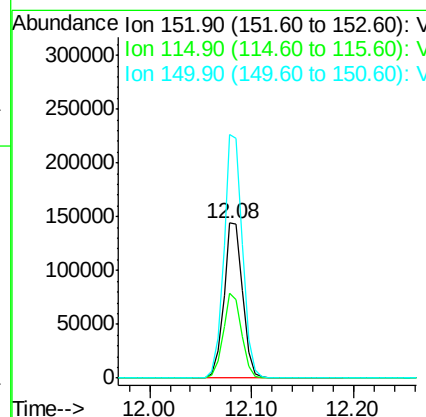
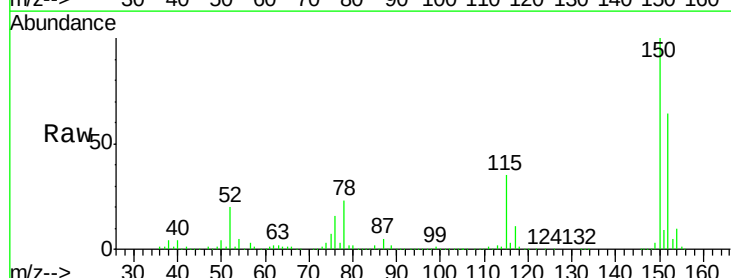
Instrument :
MSVOA_X
ClientSampled :
I.BLK

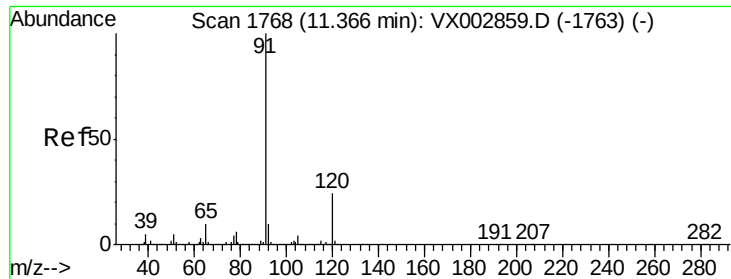
Tot Ion:106 Resp: 2097
Ion Ratio Lower Upper
106 100
91 223.6 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Tgt Ion:152 Resp: 185458
Ion Ratio Lower Upper
152 100
115 53.5 40.1 120.2
150 155.5 0.0 347.2





#78

n-propylbenzene

Concen: 0.249 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

ClientSampled :

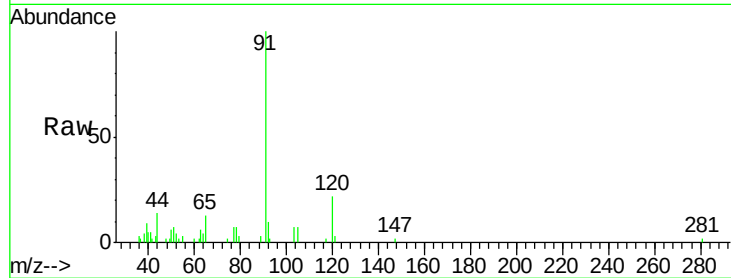
I.BLK

Tot Ion: 91 Resp: 3533

Ion Ratio Lower Upper

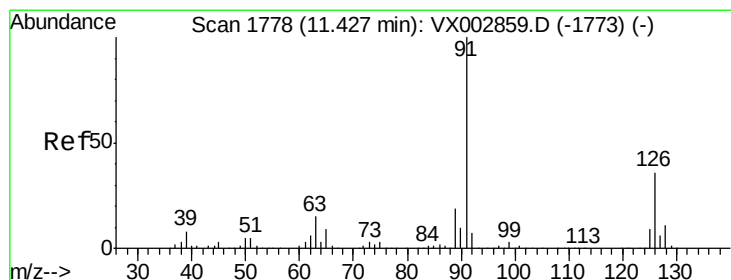
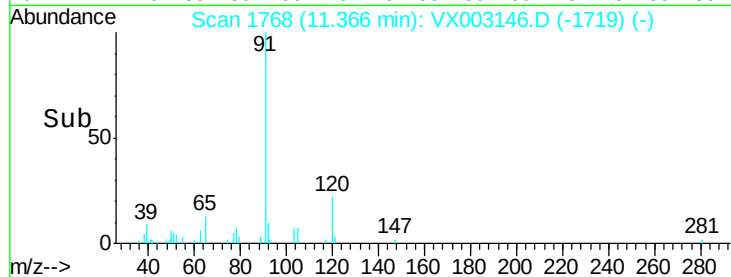
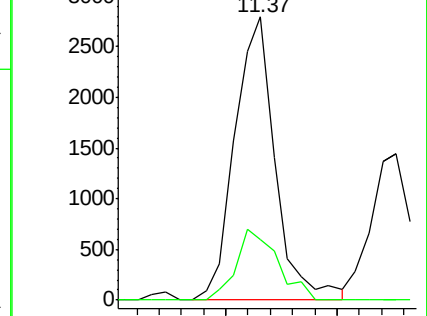
91 100

120 25.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.220 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003146.D

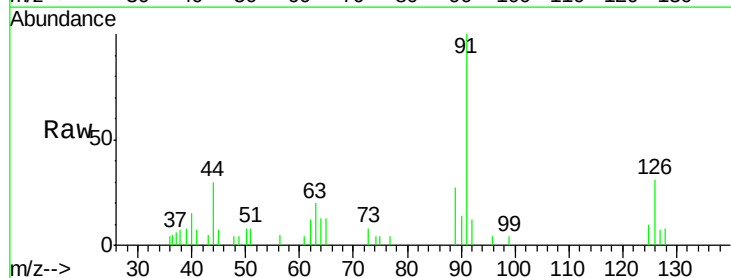
Acq: 03 Jul 2018 14:05

Tgt Ion: 91 Resp: 1889

Ion Ratio Lower Upper

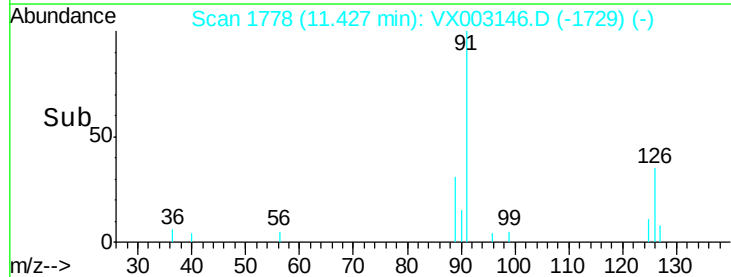
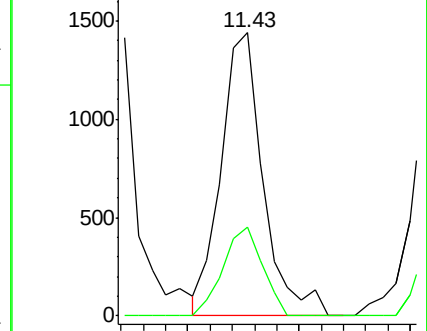
91 100

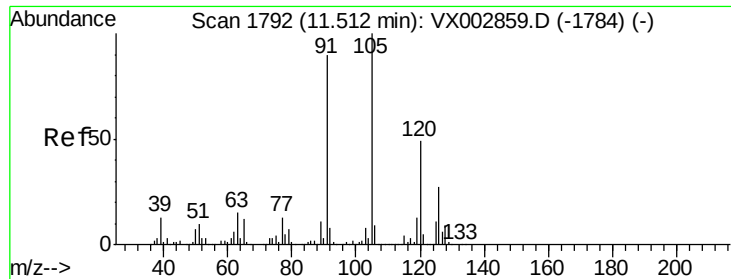
126 29.3 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

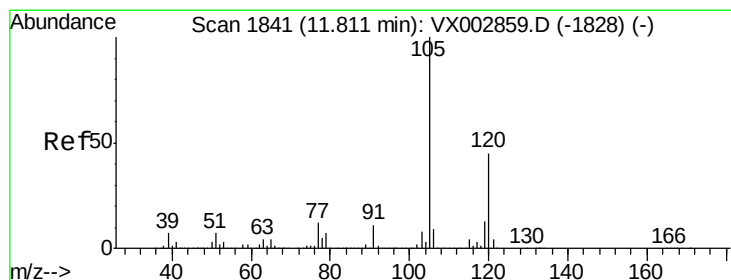
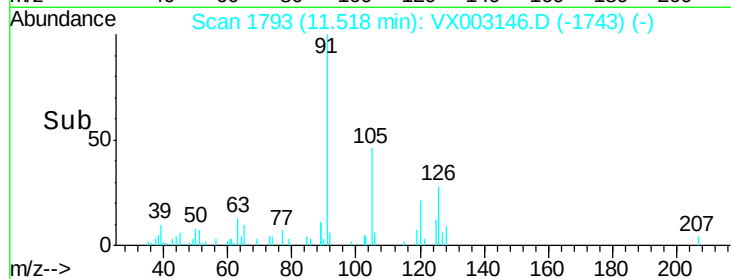
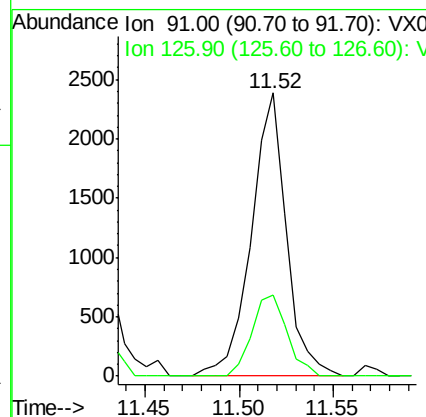
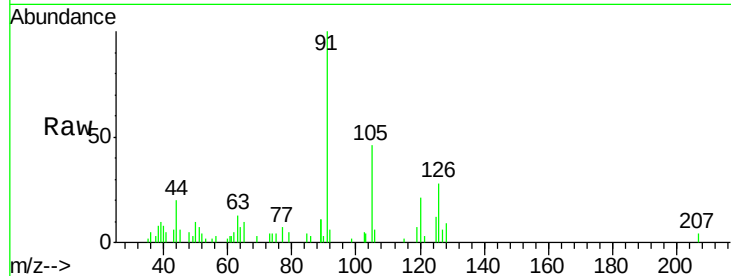




#82
4-Chlorotoluene
Concen: 0.303 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

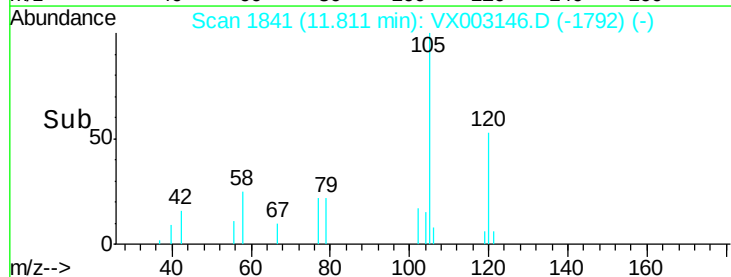
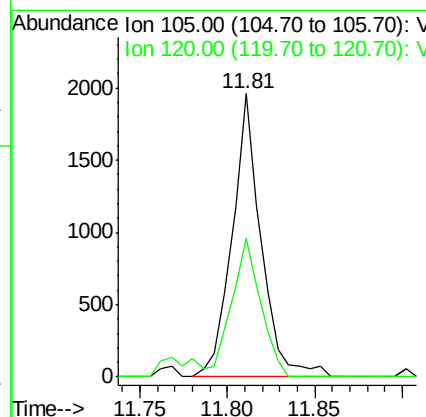
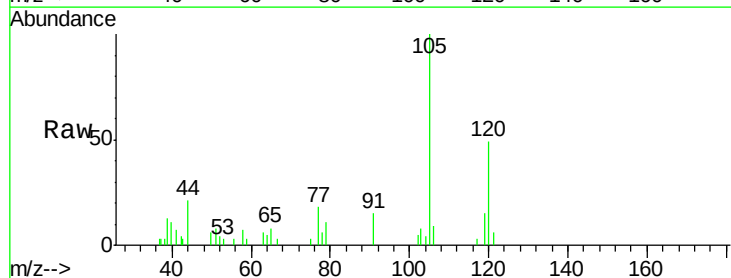
Instrument :
MSVOA_X
ClientSampled :
I.BLK

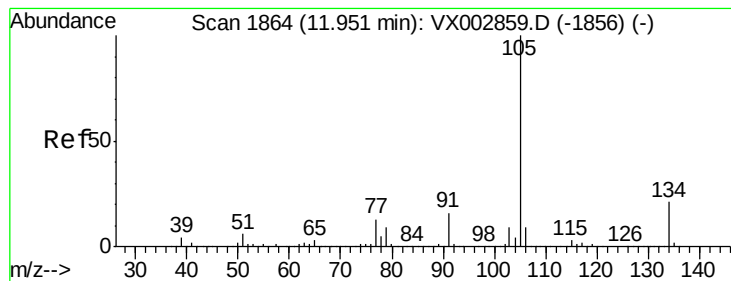
Tot Ion: 91 Resp: 3085
Ion Ratio Lower Upper
91 100
126 28.6 15.4 46.4



#84
1,2,4-Trimethylbenzene
Concen: 0.208 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Tgt Ion: 105 Resp: 2263
Ion Ratio Lower Upper
105 100
120 49.2 22.3 66.8





#85
 sec-Butylbenzene
 Concen: 0.220 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

Tot Ion:105 Resp: 2764
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.1

