

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003317.D
 Acq On : 11 Jul 2018 06:50
 Operator : JC/MD
 Sample : J3911-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB47196RT

Quant Time: Jul 11 09:50:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	207209	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	159919	37.52	ug/l	0.00
Spiked Amount			Recovery	=	75.04%	
35) Dibromofluoromethane	5.51	113	145000	36.50	ug/l	0.00
Spiked Amount			Recovery	=	73.00%	
50) Toluene-d8	8.72	98	511255	36.23	ug/l	0.00
Spiked Amount			Recovery	=	72.46%	
62) 4-Bromofluorobenzene	11.14	95	182641	35.03	ug/l	0.00
Spiked Amount			Recovery	=	70.06%	

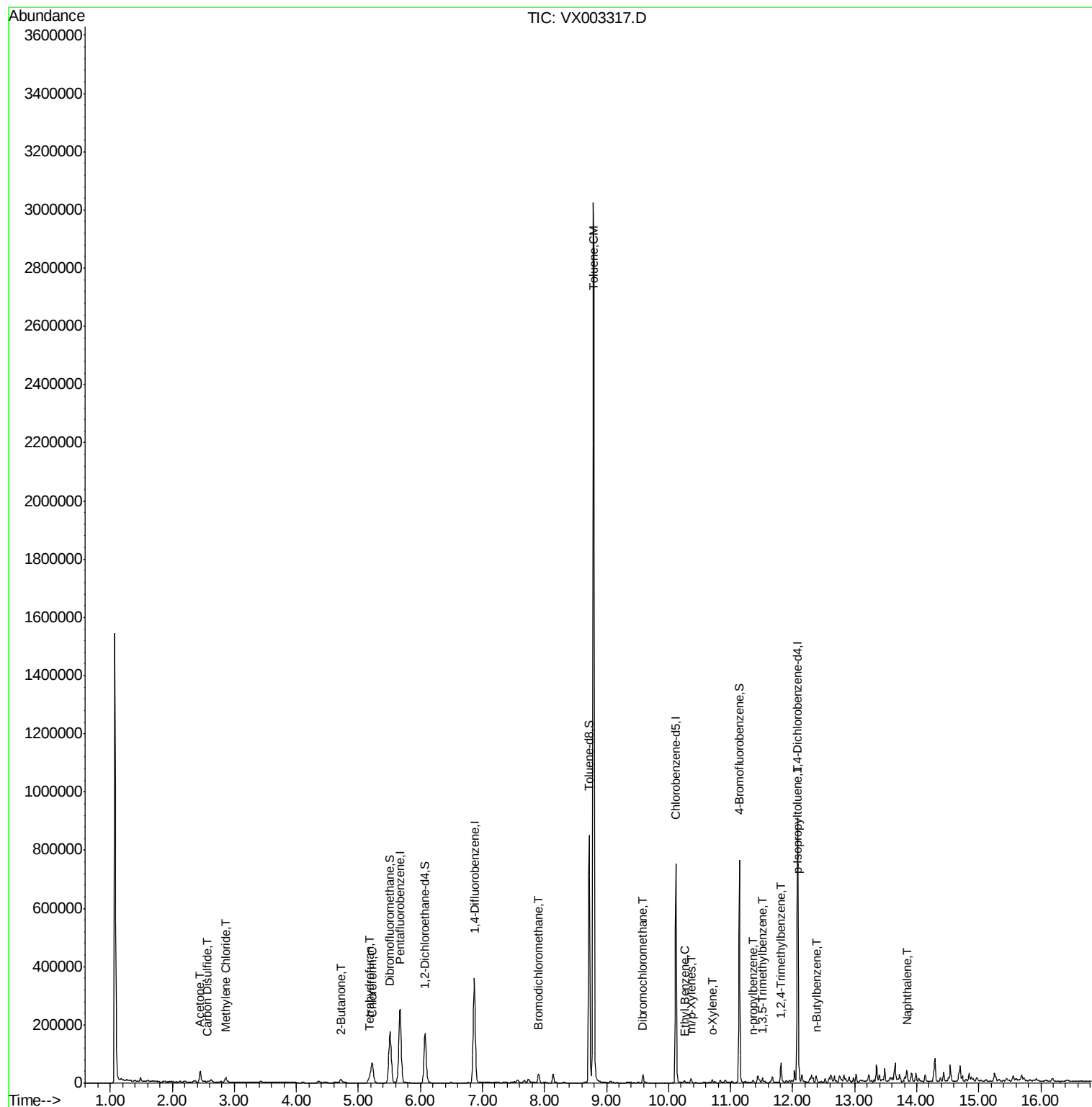
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	41422	27.38	ug/l	95
17) Carbon Disulfide	2.57	76	3531	0.42	ug/l	97
20) Methylene Chloride	2.86	84	7892	1.87	ug/l	99
25) 2-Butanone	4.71	43	19482	7.28	ug/l	95
29) Tetrahydrofuran	5.18	42	15151	8.72	ug/l	96
30) Chloroform	5.22	83	79419	12.10	ug/l	98
47) Bromodichloromethane	7.90	83	18542	3.66	ug/l	94
52) Toluene	8.79	92	1146953	116.97	ug/l	98
60) Dibromochloromethane	9.59	129	5380	1.27	ug/l	95
67) Ethyl Benzene	10.26	91	3958	0.21	ug/l	96
68) m/p-Xylenes	10.37	106	3750	0.51	ug/l	94
69) o-Xylene	10.70	106	2154	0.30	ug/l	98
78) n-propylbenzene	11.37	91	5020	0.28	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	6409	0.47	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	26713	1.91	ug/l	100
86) p-Isopropyltoluene	12.07	119	22537	1.54	ug/l	96
89) n-Butylbenzene	12.39	91	4110	0.34	ug/l #	40
95) Naphthalene	13.84	128	25316	1.53	ug/l	96

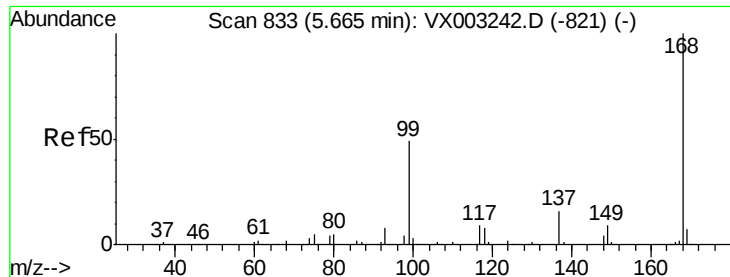
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071018\
Data File : VX003317.D
Acq On : 11 Jul 2018 06:50
Operator : JC/MD
Sample : J3911-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RB47196RT

Quant Time: Jul 11 09:50:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

Instrument :

MSVOA_X

ClientSampled :

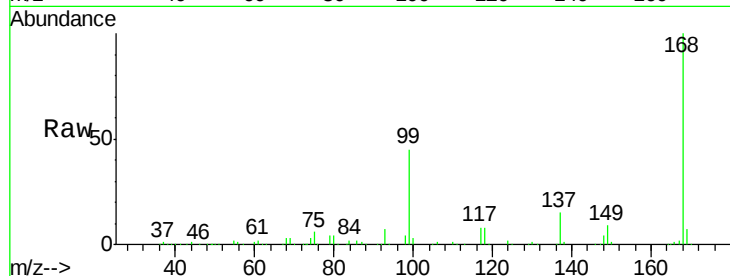
RB47196RT

Tot Ion:168 Resp: 270809

Ion Ratio Lower Upper

168 100

99 45.1 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

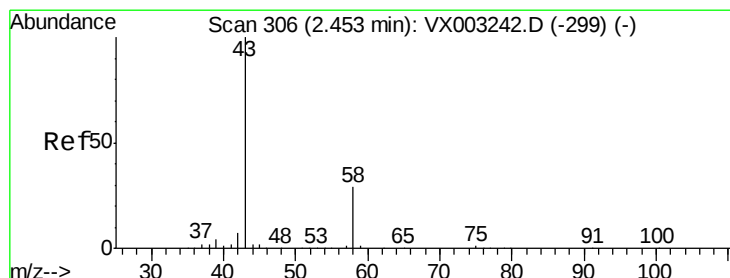
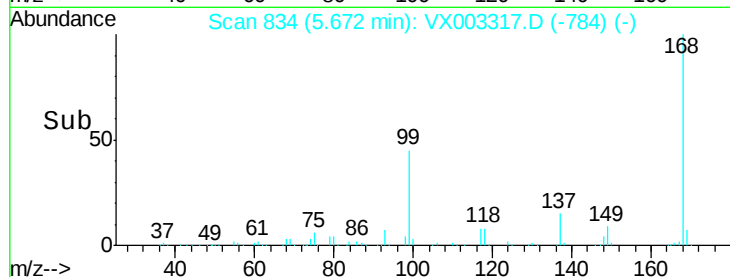
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 27.38 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003317.D

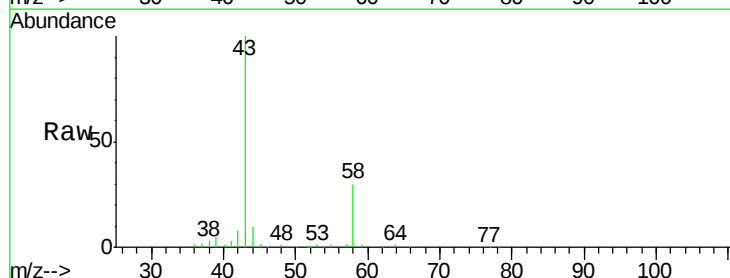
Acq: 11 Jul 2018 06:50

Tgt Ion: 43 Resp: 41422

Ion Ratio Lower Upper

43 100

58 30.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

25000

20000

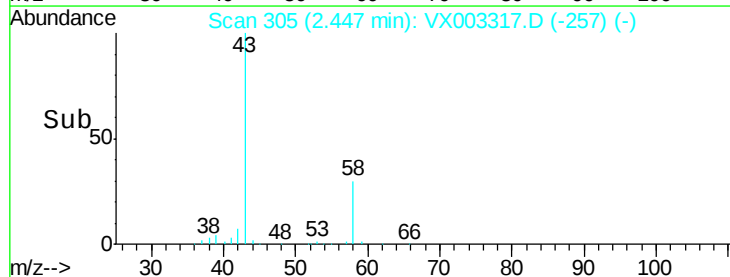
15000

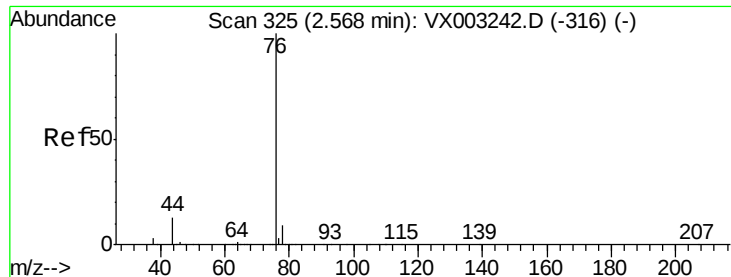
10000

5000

0

Time--> 2.40 2.50 2.60

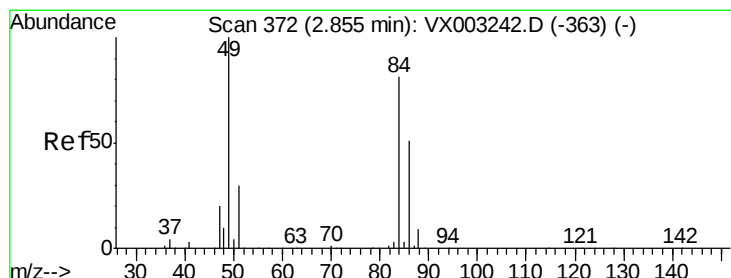
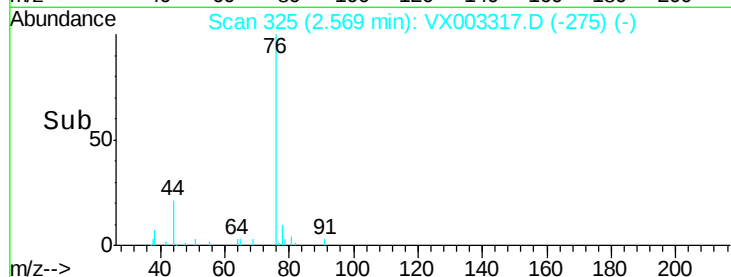
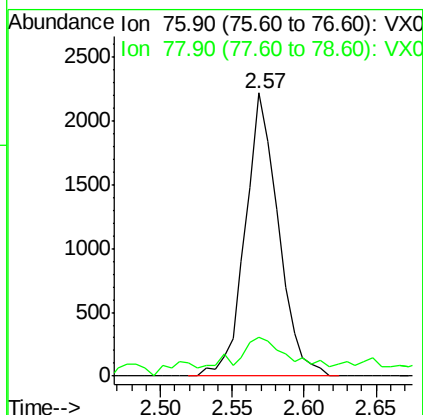
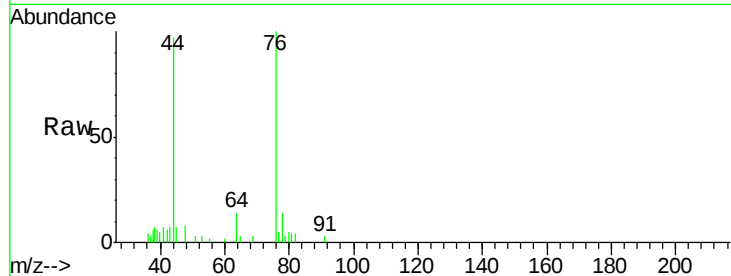




#17
Carbon Disulfide
Concen: 0.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003317.D
Acq: 11 Jul 2018 06:50

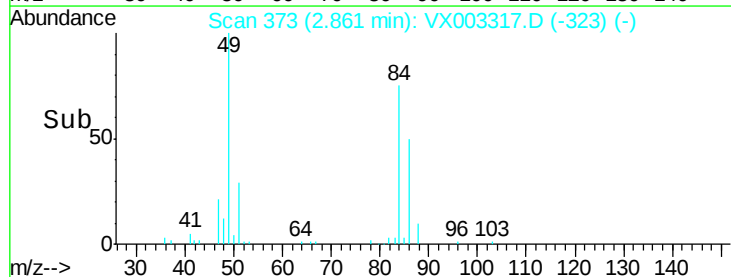
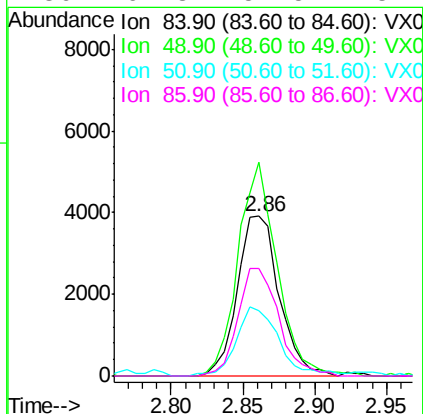
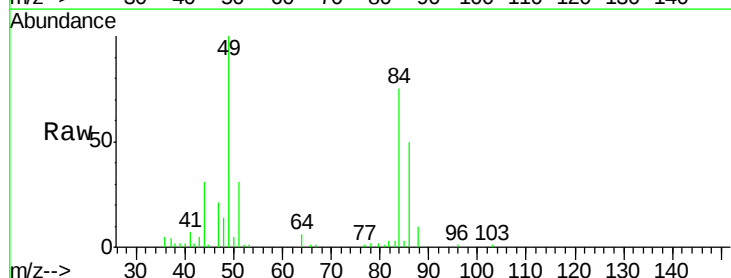
Instrument :
MSVOA_X
ClientSampleId :
RB47196RT

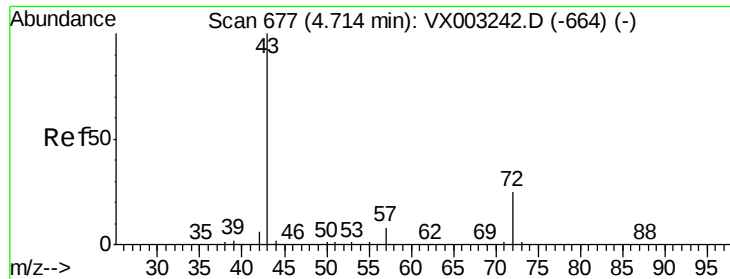
Tot Ion: 76 Resp: 3531
Ion Ratio Lower Upper
76 100
78 9.5 6.9 10.3



#20
Methylene Chloride
Concen: 1.87 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003317.D
Acq: 11 Jul 2018 06:50

Tgt Ion: 84 Resp: 7892
Ion Ratio Lower Upper
84 100
49 133.9 107.8 161.6
51 41.2 32.8 49.2
86 67.3 52.5 78.7





#25

2-Butanone

Concen: 7.28 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

Instrument :

MSVOA_X

ClientSampleId :

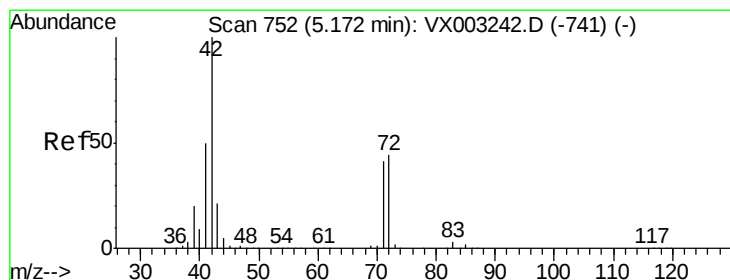
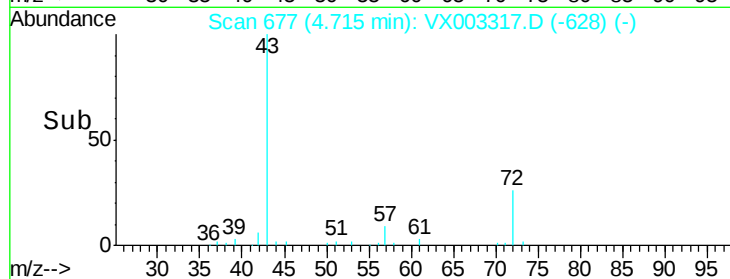
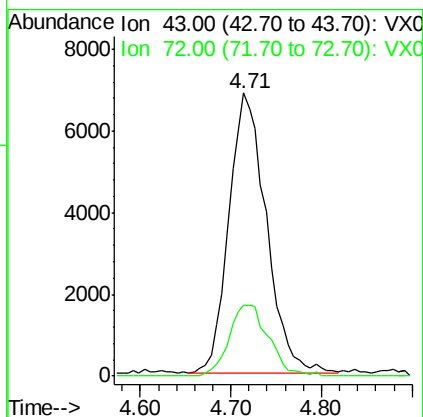
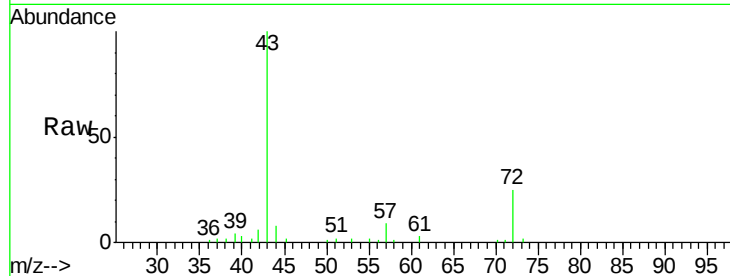
RB47196RT

Tot Ion: 43 Resp: 19482

Ion Ratio Lower Upper

43 100

72 25.5 18.5 27.7



#29

Tetrahydrofuran

Concen: 8.72 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

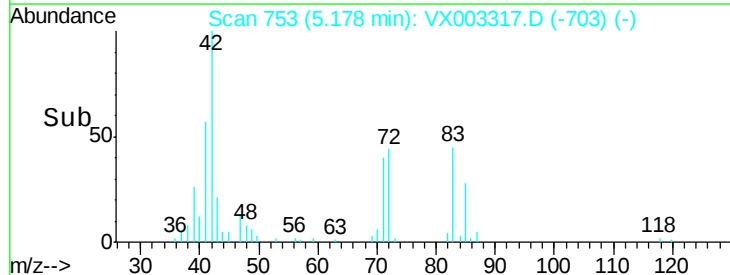
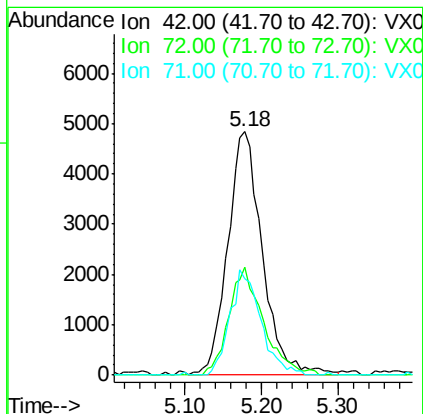
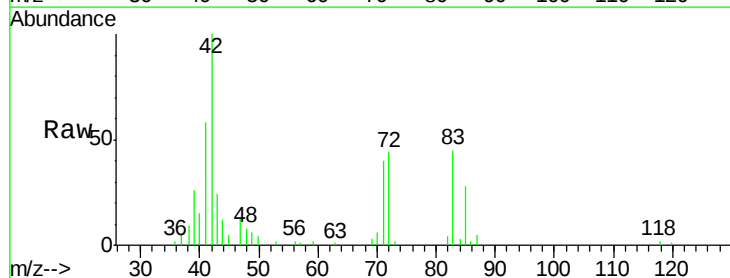
Tgt Ion: 42 Resp: 15151

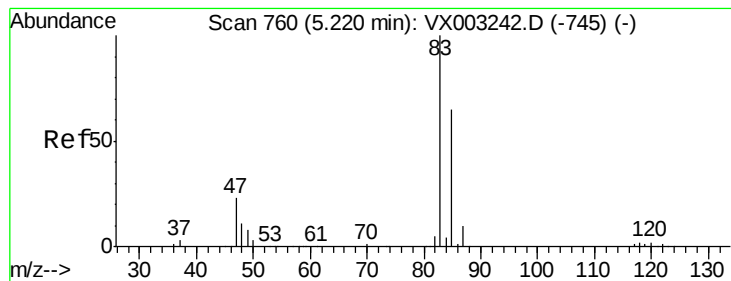
Ion Ratio Lower Upper

42 100

72 44.1 32.0 48.0

71 38.4 30.1 45.1





#30

Chloroform

Concen: 12.10 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

Instrument :

MSVOA_X

ClientSampleId :

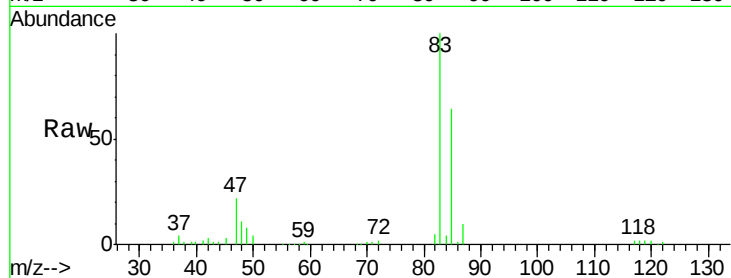
RB47196RT

Tot Ion: 83 Resp: 79419

Ion Ratio Lower Upper

83 100

85 64.5 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.22

30000

25000

20000

15000

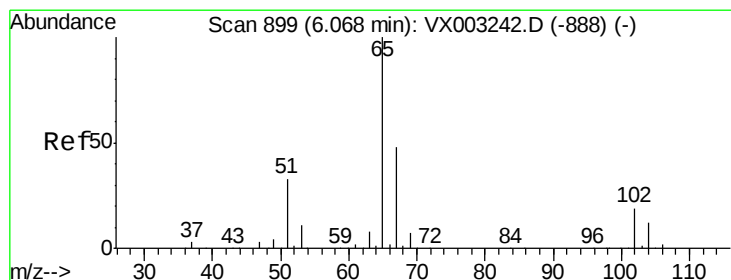
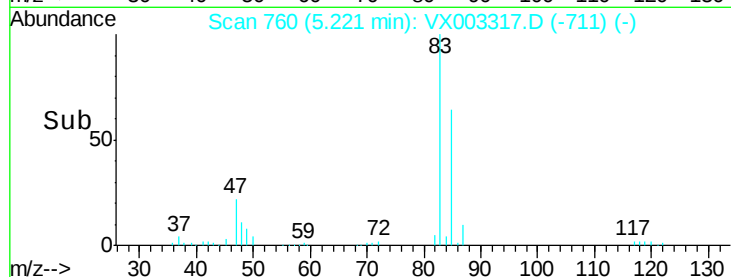
10000

5000

0

Time-->

5.10 5.20 5.30 5.40



#33

1,2-Dichloroethane-d4

Concen: 37.52 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003317.D

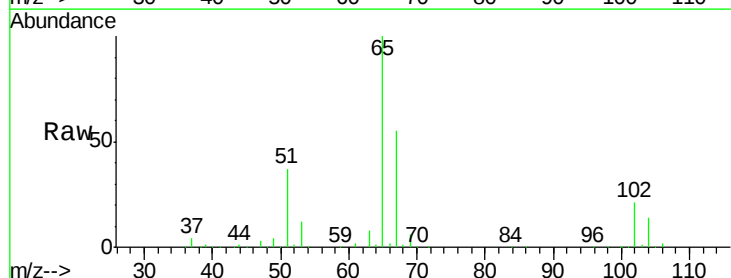
Acq: 11 Jul 2018 06:50

Tgt Ion: 65 Resp: 159919

Ion Ratio Lower Upper

65 100

67 53.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

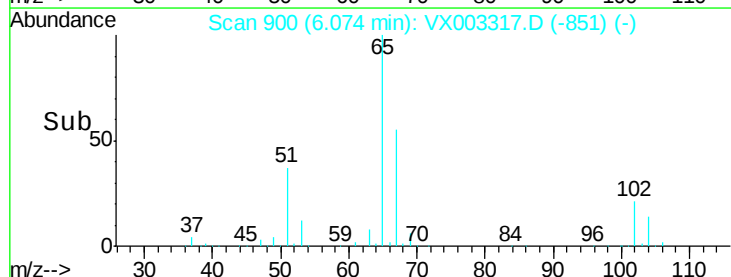
40000

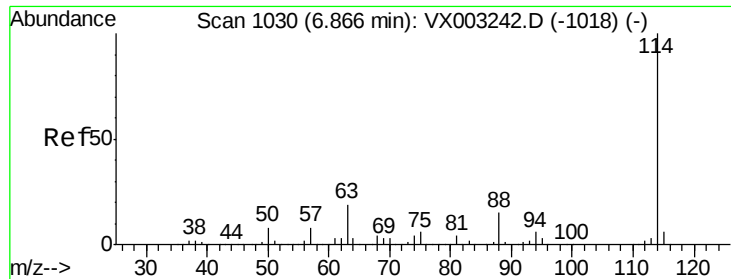
20000

0

Time-->

5.90 6.00 6.10 6.20

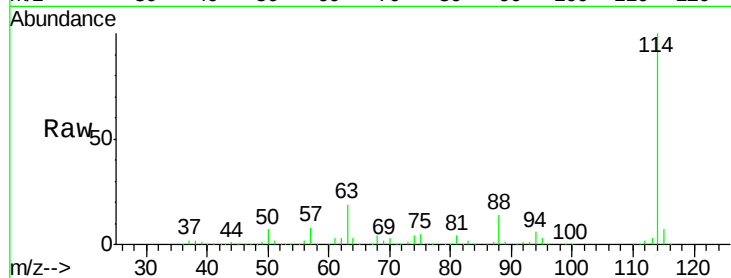




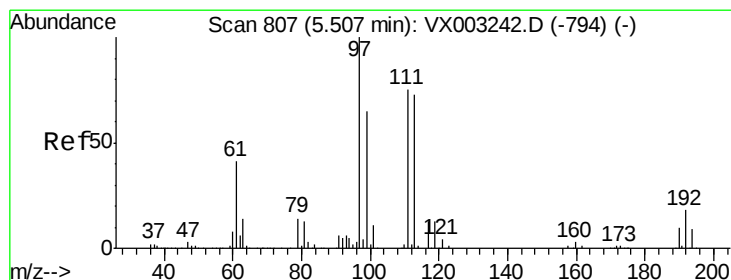
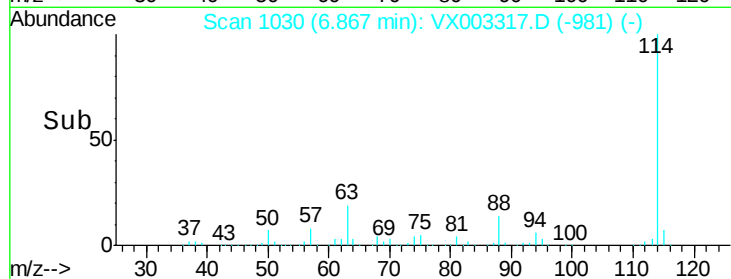
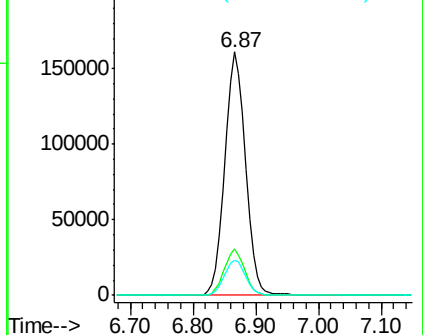
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003317.D
 Acq: 11 Jul 2018 06:50

Instrument :
 MSVOA_X
 ClientSampleId :
 RB47196RT

Tot Ion:114 Resp: 369749
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 14.4 0.0 30.0

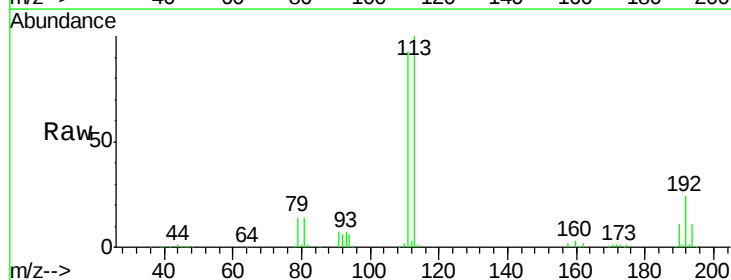


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

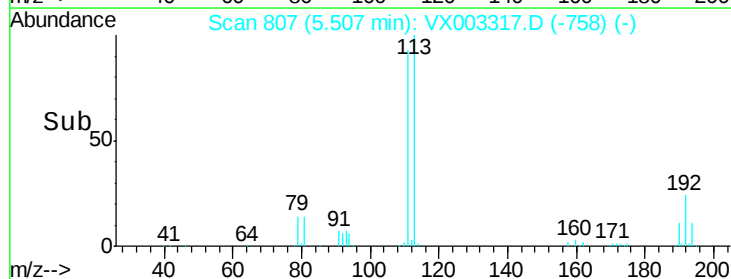
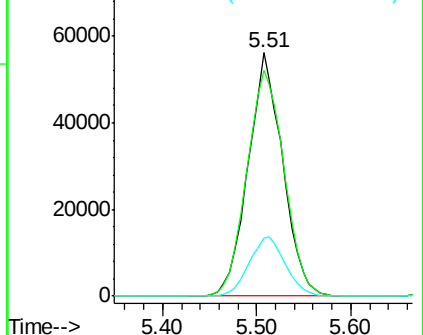


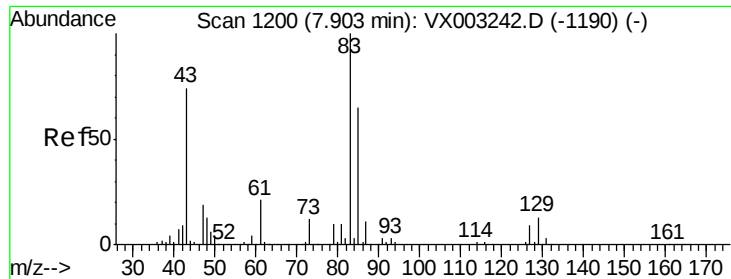
#35
 Dibromofluoromethane
 Concen: 36.50 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003317.D
 Acq: 11 Jul 2018 06:50

Tgt Ion:113 Resp: 145000
 Ion Ratio Lower Upper
 113 100
 111 100.3 81.4 122.0
 192 25.8 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





#47

Bromodichloromethane

Concen: 3.66 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

Instrument :

MSVOA_X

ClientSampled :

RB47196RT

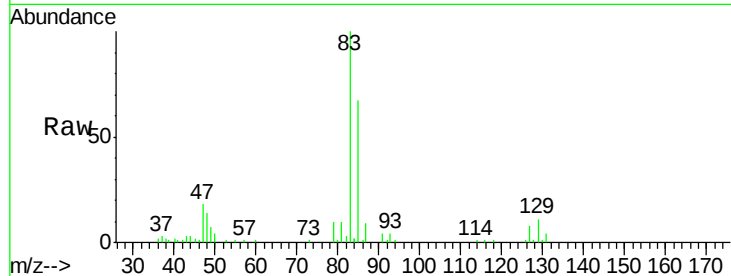
Tot Ion: 83 Resp: 18542

Ion Ratio Lower Upper

83 100

85 67.5 50.3 75.5

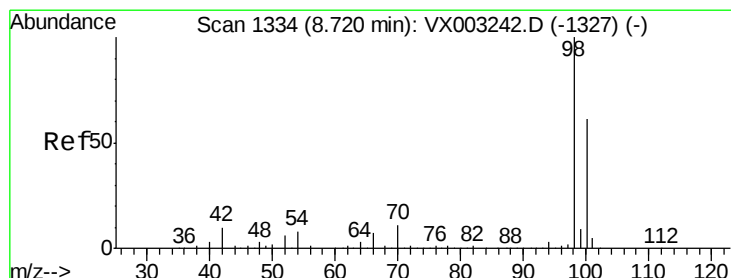
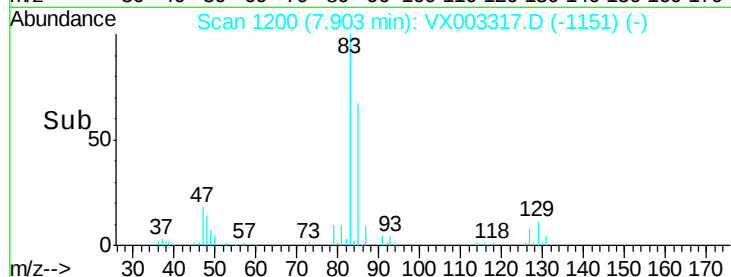
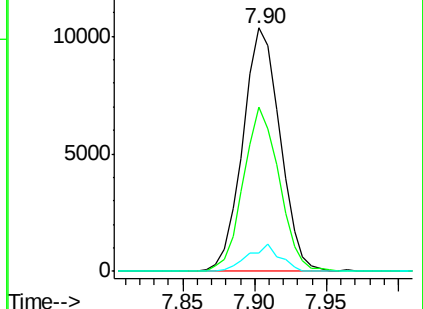
127 7.8 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#50

Toluene-d8

Concen: 36.23 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003317.D

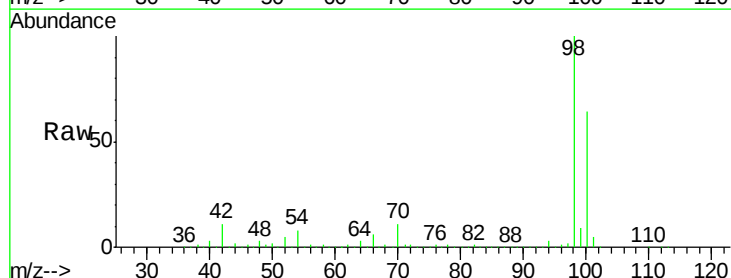
Acq: 11 Jul 2018 06:50

Tgt Ion: 98 Resp: 511255

Ion Ratio Lower Upper

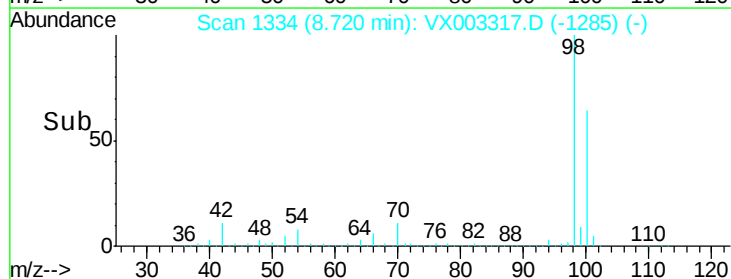
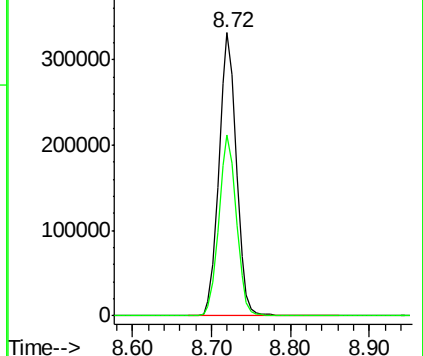
98 100

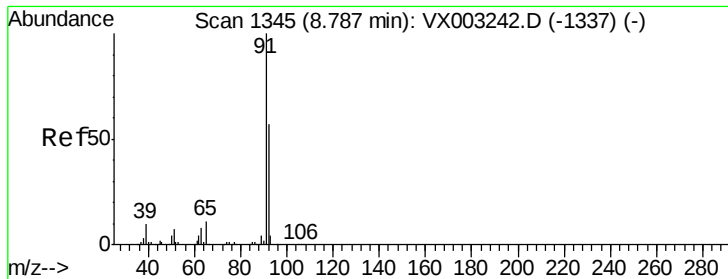
100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 116.97 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

Instrument :

MSVOA_X

ClientSampled :

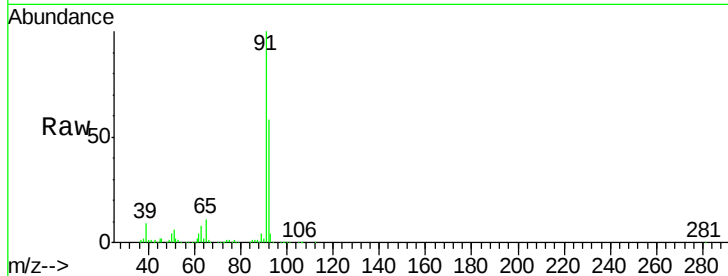
RB47196RT

Tot Ion: 92 Resp: 1146953

Ion Ratio Lower Upper

92 100

91 172.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX003317.D (-1296) (-)

Ion 91.00 (90.70 to 91.70): VX003317.D (-1296) (-)

1500000

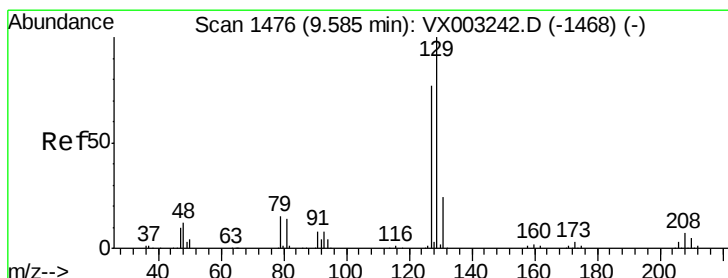
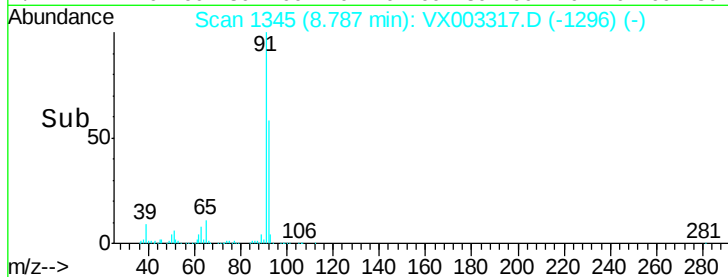
1000000

500000

0

8.79

Time-->



#60

Dibromochloromethane

Concen: 1.27 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003317.D

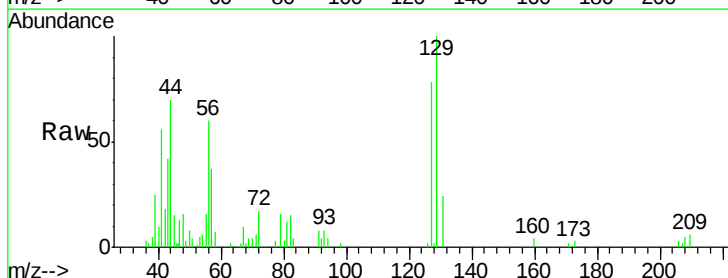
Acq: 11 Jul 2018 06:50

Tgt Ion:129 Resp: 5380

Ion Ratio Lower Upper

129 100

127 81.2 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): VX003317.D (-1427) (-)

Ion 126.80 (126.50 to 127.50): VX003317.D (-1427) (-)

4000

3000

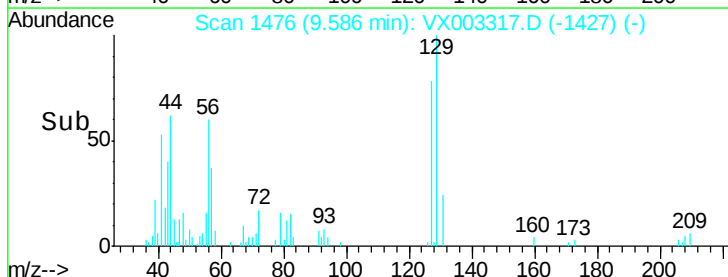
2000

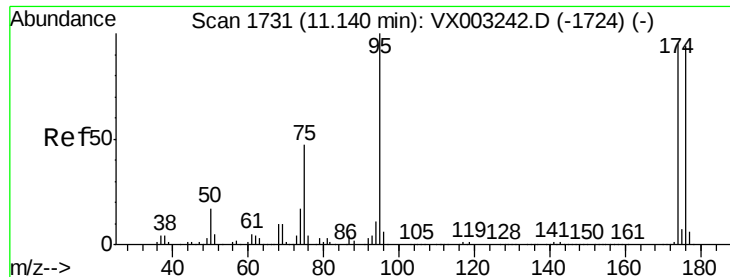
1000

0

9.59

Time-->





#62

4-Bromofluorobenzene

Concen: 35.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

Instrument :

MSVOA_X

ClientSampleId :

RB47196RT

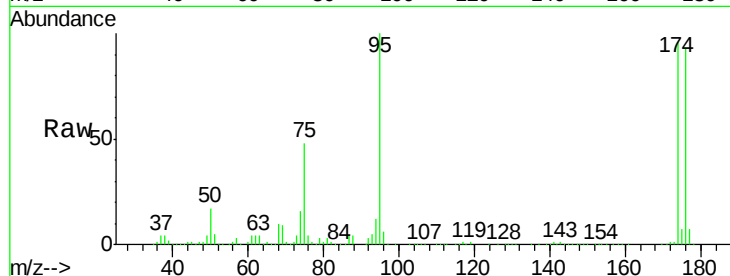
Tot Ion: 95 Resp: 182641

Ion Ratio Lower Upper

95 100

174 101.3 0.0 187.4

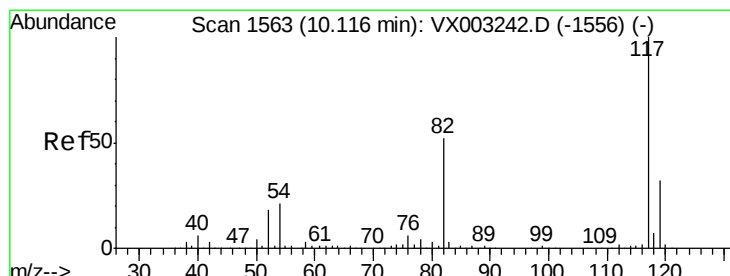
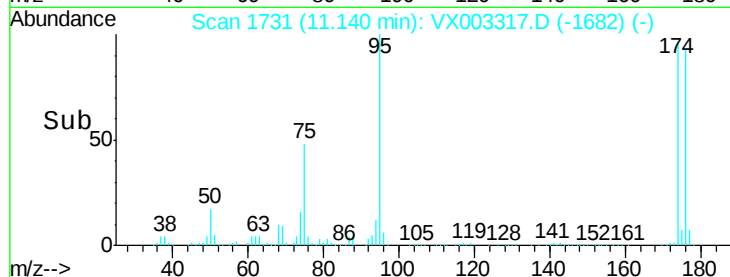
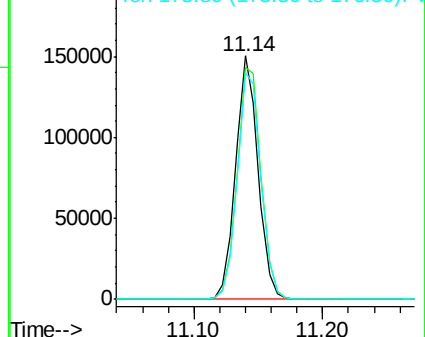
176 98.0 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX003317.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003317.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003317.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

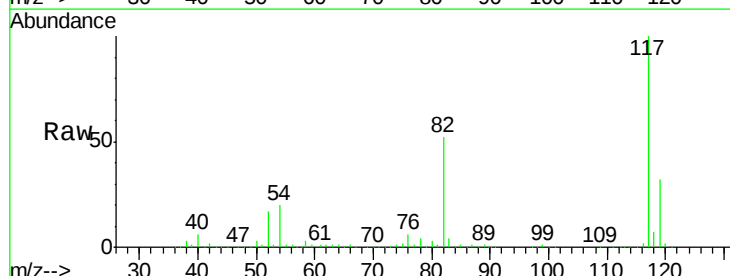
Tgt Ion: 117 Resp: 342012

Ion Ratio Lower Upper

117 100

82 52.2 45.0 67.4

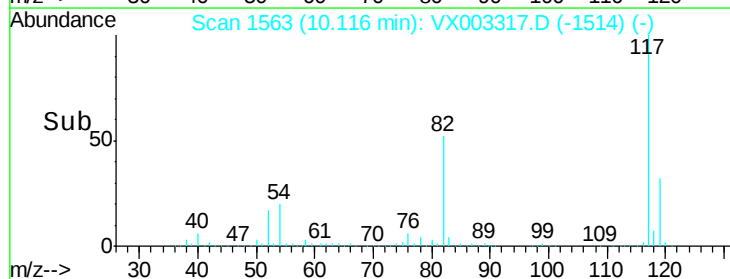
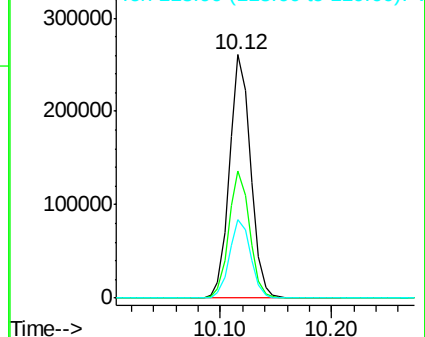
119 32.4 25.8 38.6

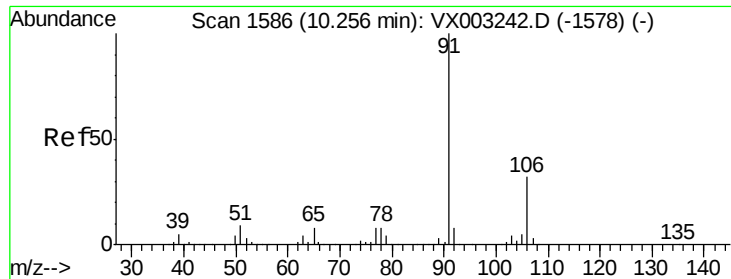


Abundance Ion 116.90 (116.60 to 117.60): VX003317.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003317.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003317.D (-1514) (-)

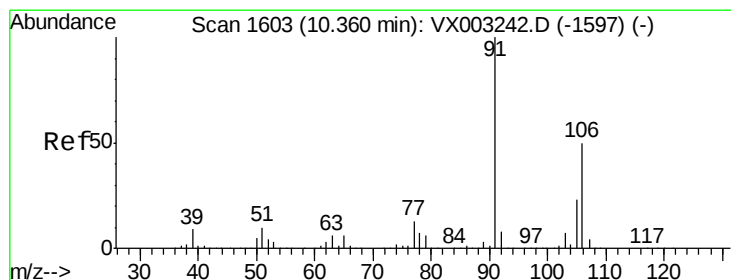
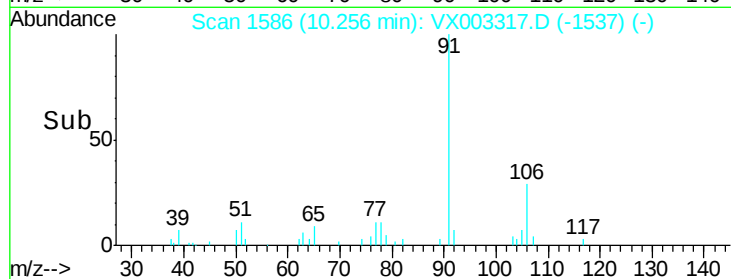
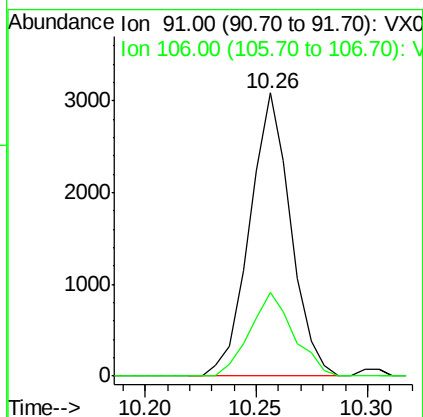
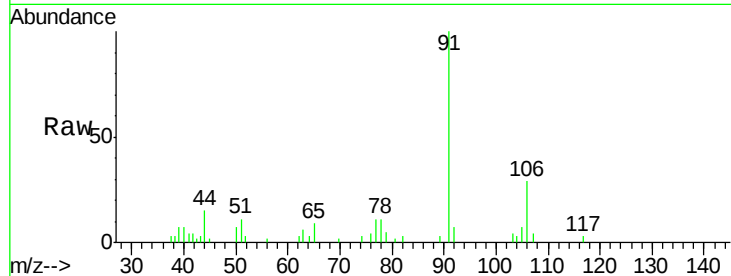




#67
Ethyl Benzene
Concen: 0.21 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003317.D
Acq: 11 Jul 2018 06:50

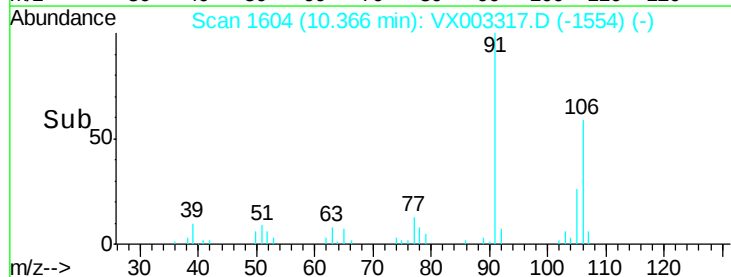
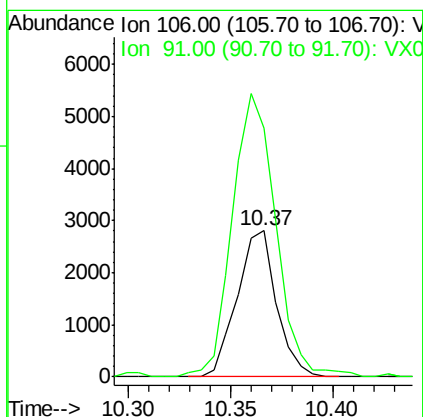
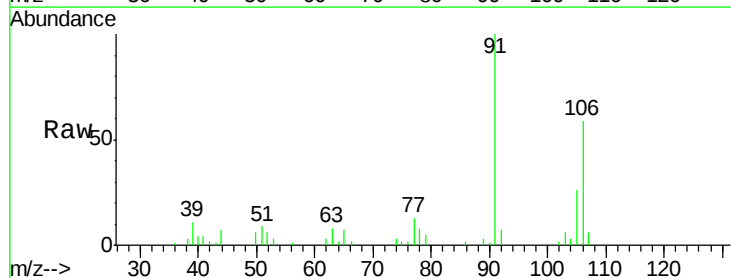
Instrument :
MSVOA_X
ClientSampled :
RB47196RT

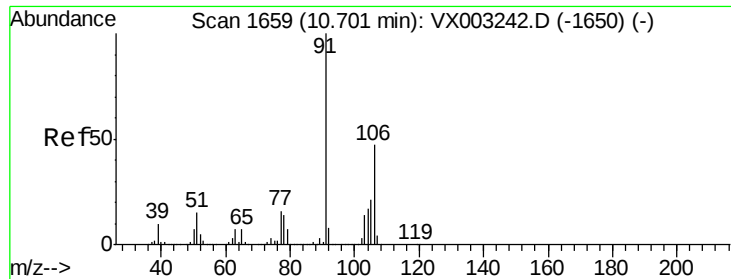
Tot Ion: 91 Resp: 3958
Ion Ratio Lower Upper
91 100
106 29.4 25.5 38.3



#68
m/p-Xylenes
Concen: 0.51 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003317.D
Acq: 11 Jul 2018 06:50

Tgt Ion: 106 Resp: 3750
Ion Ratio Lower Upper
106 100
91 214.0 163.4 245.2

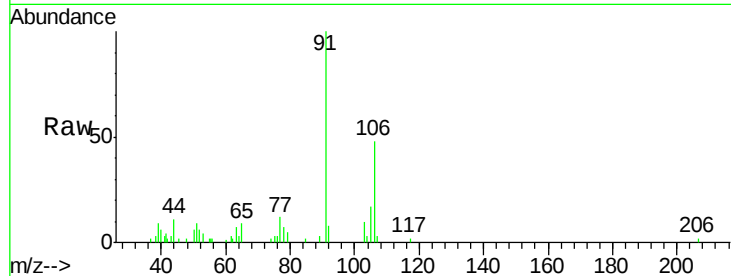




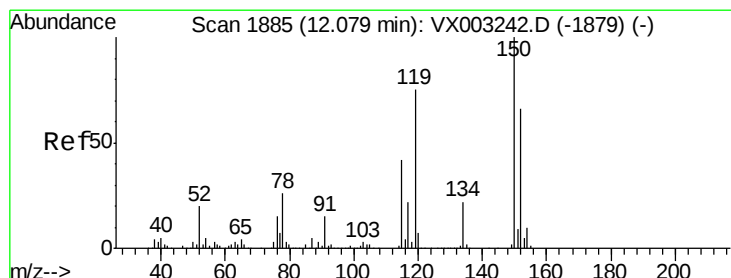
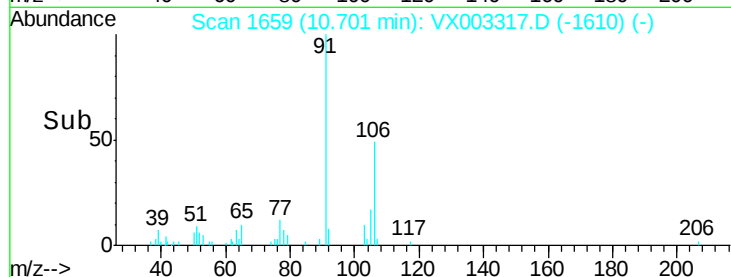
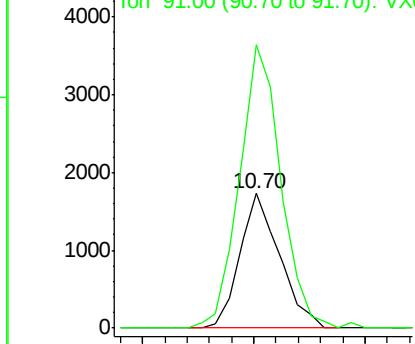
#69
o-Xylene
Concen: 0.30 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003317.D
Acq: 11 Jul 2018 06:50

Instrument :
MSVOA_X
ClientSampled :
RB47196RT

Tot Ion:106 Resp: 2154
Ion Ratio Lower Upper
106 100
91 219.5 108.2 324.6

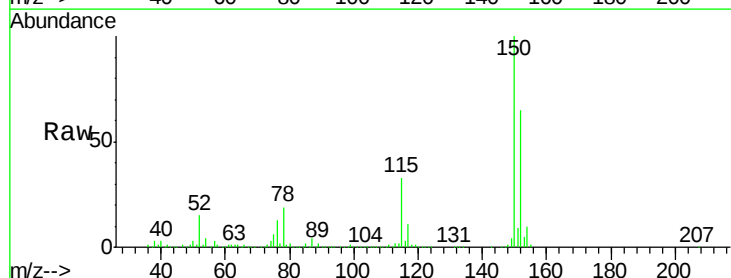


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

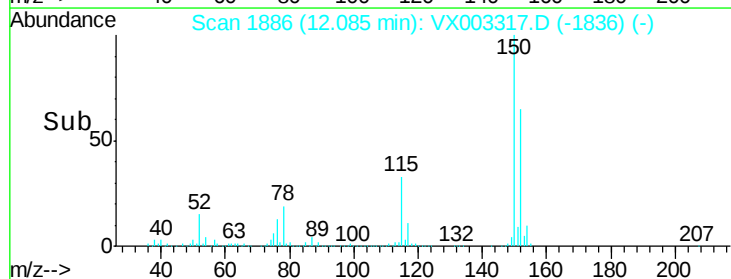
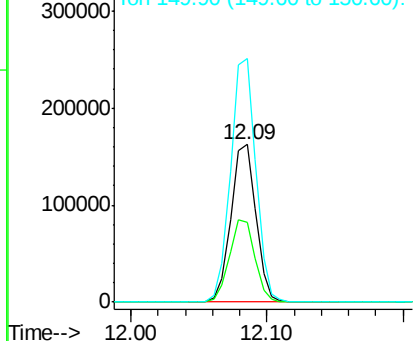


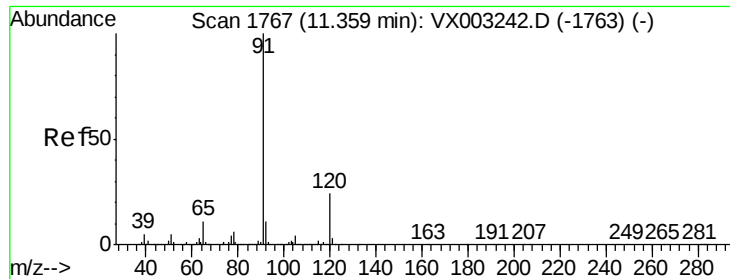
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003317.D
Acq: 11 Jul 2018 06:50

Tgt Ion:152 Resp: 207209
Ion Ratio Lower Upper
152 100
115 53.0 40.1 120.2
150 156.1 0.0 347.2



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





#78

n-propylbenzene

Concen: 0.28 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

Instrument :

MSVOA_X

ClientSampleId :

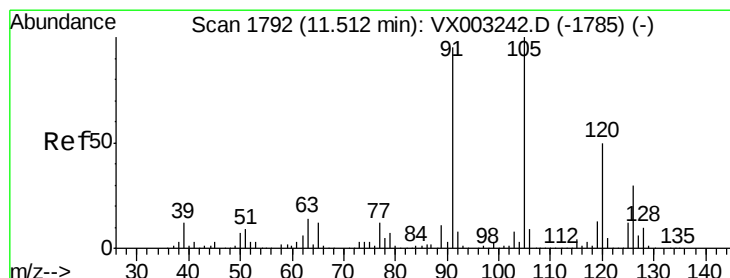
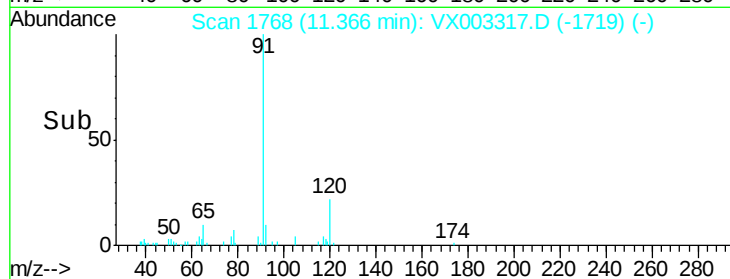
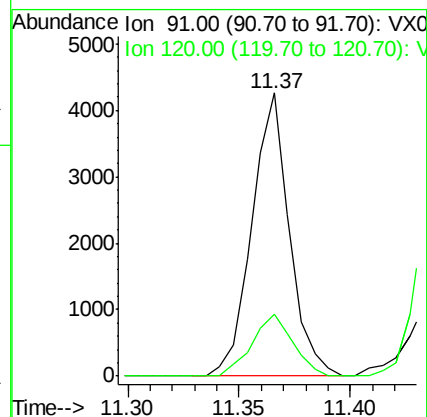
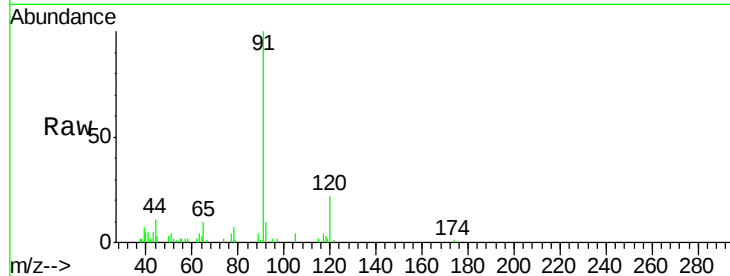
RB47196RT

Tot Ion: 91 Resp: 5020

Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 0.47 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003317.D

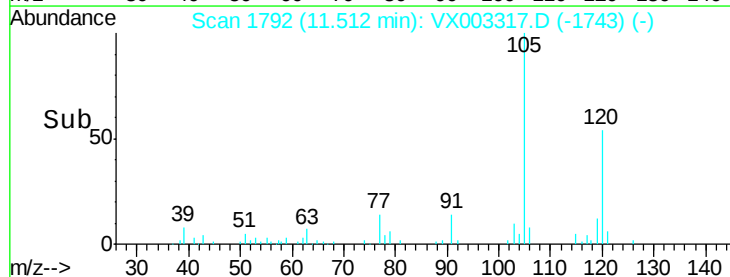
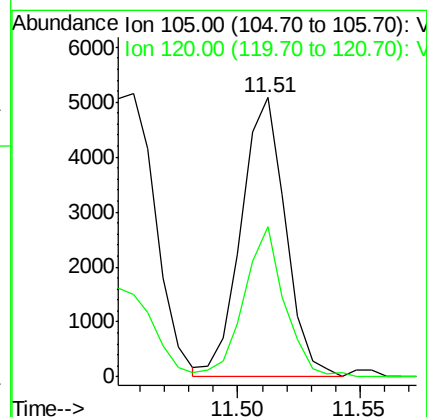
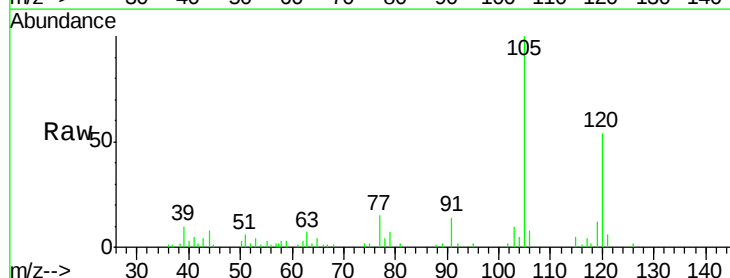
Acq: 11 Jul 2018 06:50

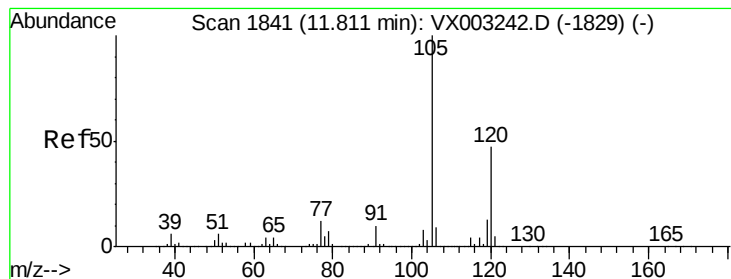
Tgt Ion: 105 Resp: 6409

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 1.91 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

Instrument :

MSVOA_X

ClientSampleId :

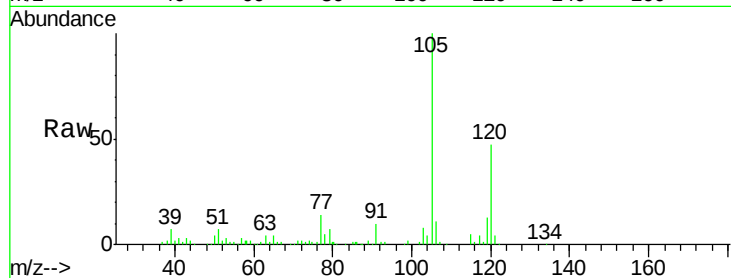
RB47196RT

Tot Ion:105 Resp: 26713

Ion Ratio Lower Upper

105 100

120 44.2 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

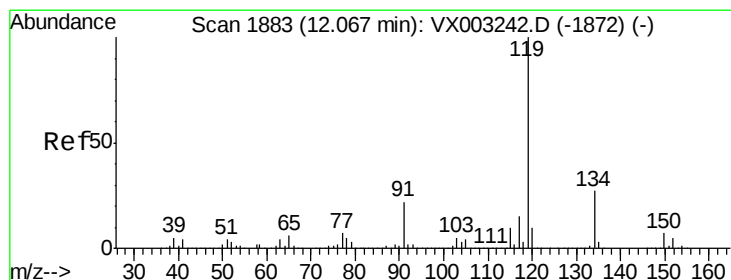
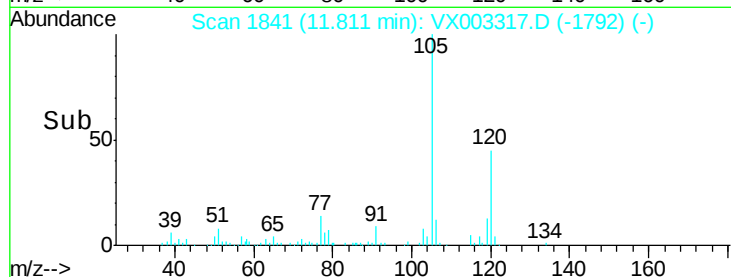
10000

5000

0

11.75 11.80 11.85

Time-->



#86

p-Isopropyltoluene

Concen: 1.54 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003317.D

Acq: 11 Jul 2018 06:50

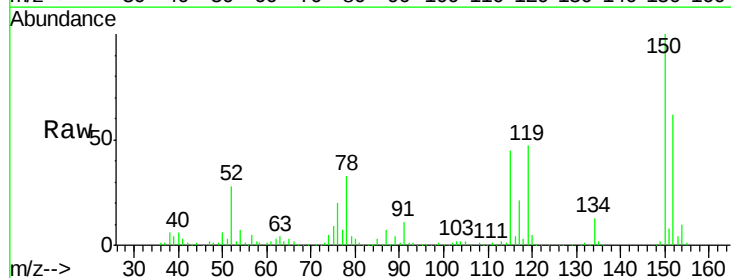
Tgt Ion:119 Resp: 22537

Ion Ratio Lower Upper

119 100

134 28.0 13.4 40.1

91 26.2 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

25000

20000

15000

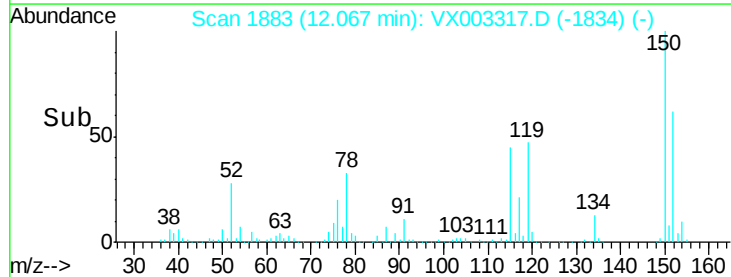
10000

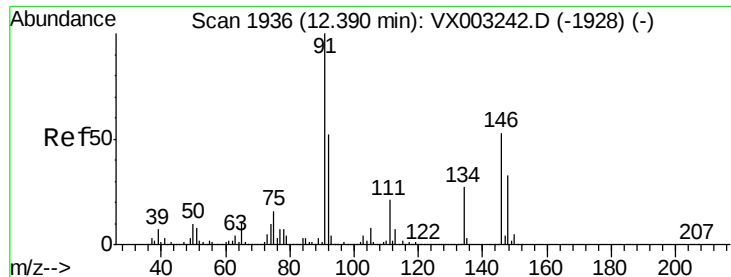
5000

0

12.05 12.10

Time-->

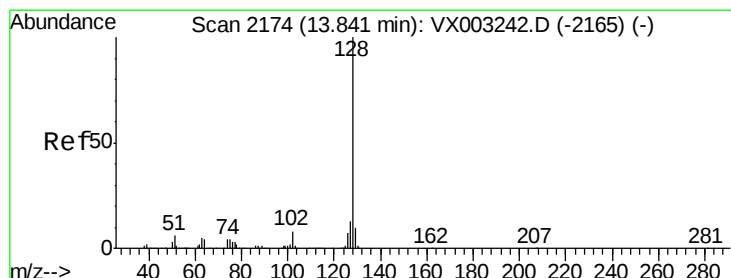
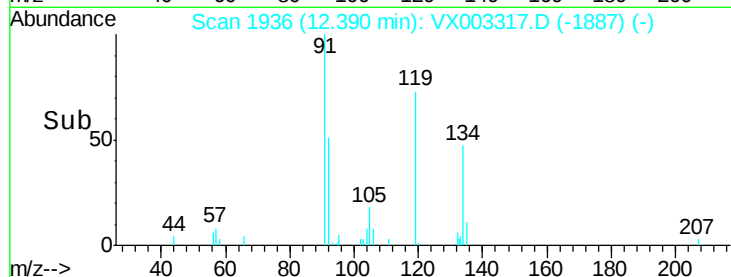
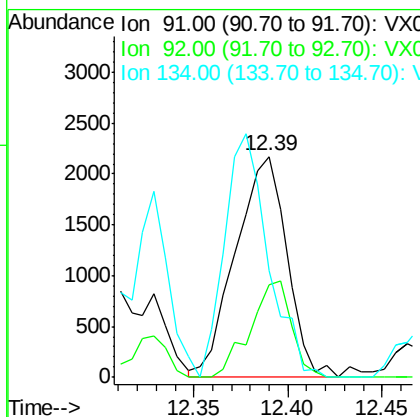
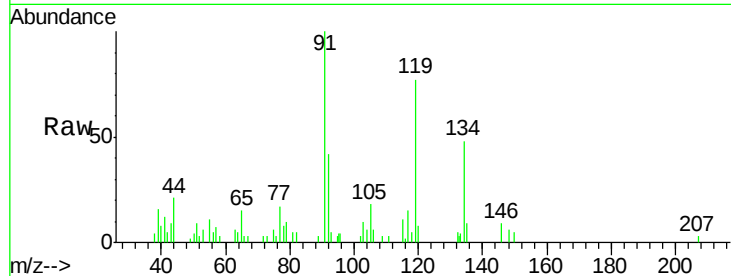




#89
n-Butylbenzene
Concen: 0.34 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003317.D
Acq: 11 Jul 2018 06:50

Instrument :
MSVOA_X
ClientSampled :
RB47196RT

Tot Ion: 91 Resp: 4110
Ion Ratio Lower Upper
91 100
92 34.8 26.0 78.0
134 93.6 13.5 40.5#



#95
Naphthalene
Concen: 1.53 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003317.D
Acq: 11 Jul 2018 06:50

Tgt Ion: 128 Resp: 25316
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 12.8 8.6 13.0

