

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022818\
 Data File : VX000167.D
 Acq On : 28 Feb 2018 15:20
 Operator : JC/MD
 Sample : J1683-05 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RFK-RMAB-MW12-GWDL

Quant Time: Mar 01 06:59:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

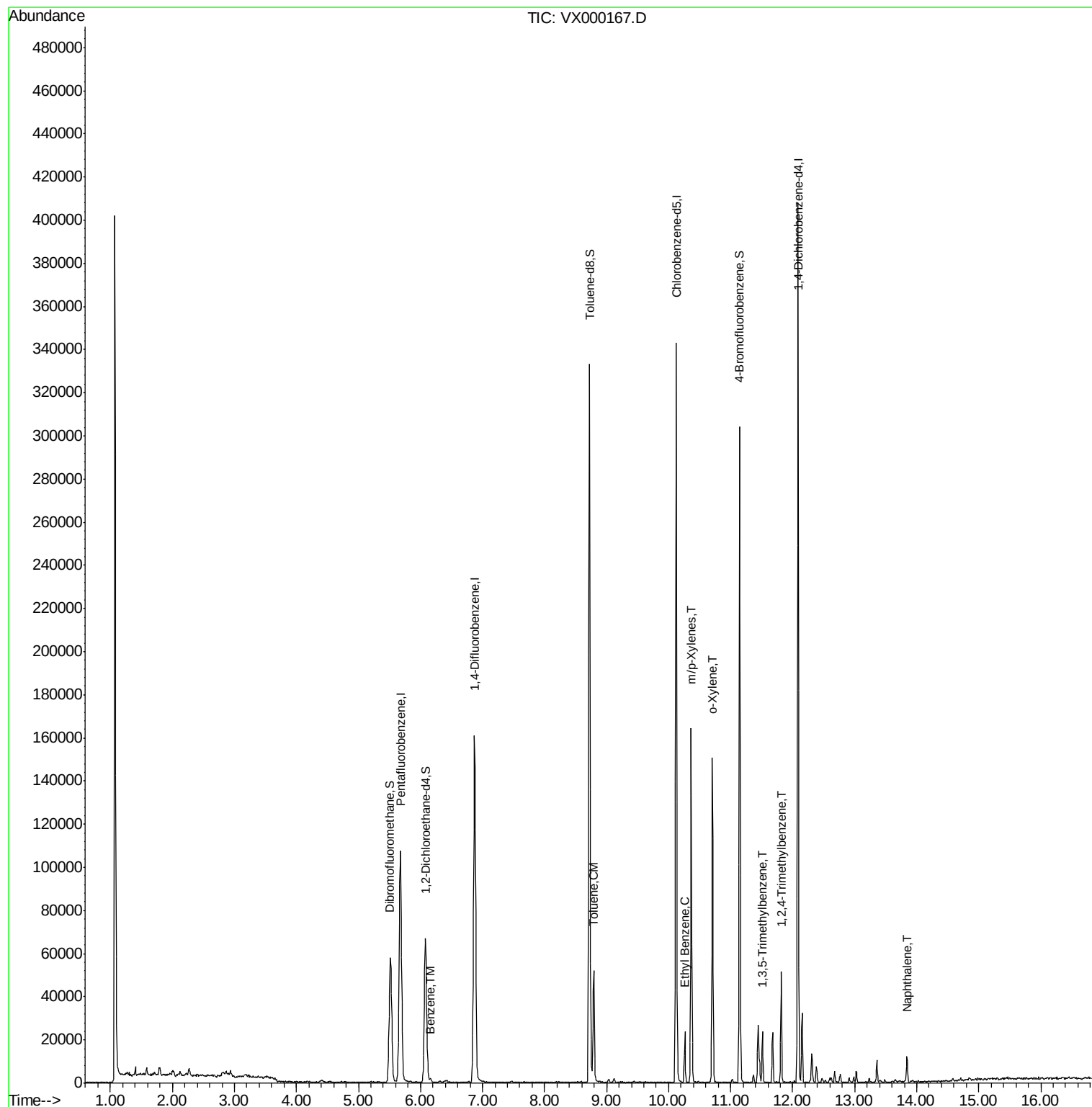
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	100331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	159252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	146363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	77443	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	63084	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.70%	
35) Dibromofluoromethane	5.51	113	46586	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
50) Toluene-d8	8.73	98	197683	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.15	95	69606	44.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.54%	
Target Compounds						
40) Benzene	6.16	78	1823	0.45	ug/l	93
52) Toluene	8.79	92	17561	6.44	ug/l	96
67) Ethyl Benzene	10.26	91	13074	2.52	ug/l	99
68) m/p-Xylenes	10.37	106	37260	18.14	ug/l	97
69) o-Xylene	10.71	106	31175	15.74	ug/l	94
80) 1,3,5-Trimethylbenzene	11.52	105	9904	2.39	ug/l	94
84) 1,2,4-Trimethylbenzene	11.82	105	20343	4.72	ug/l	98
95) Naphthalene	13.84	128	6838	1.07	ug/l	98

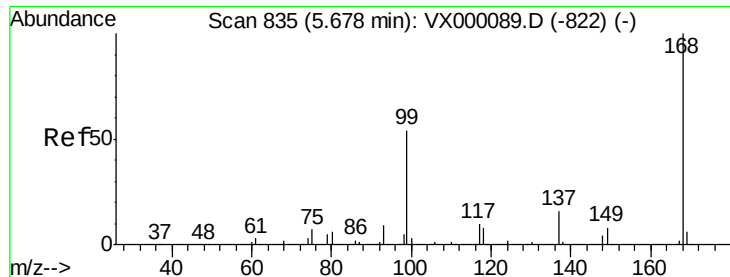
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 15 12:46:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000167.D

Acq: 28 Feb 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

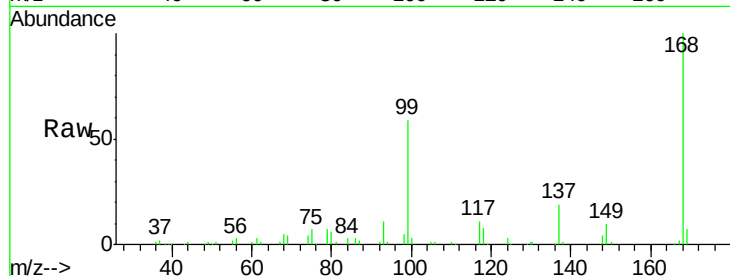
RFK-RMAB-MW12-GWDL

Tot Ion:168 Resp: 100331

Ion Ratio Lower Upper

168 100

99 59.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

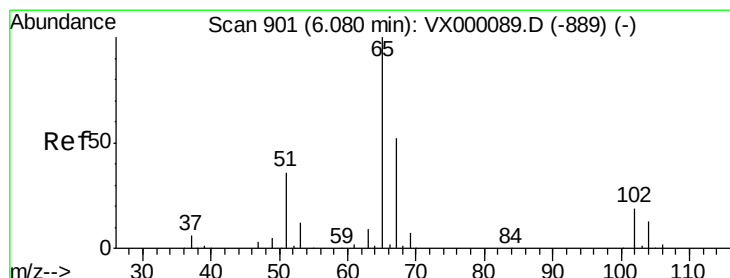
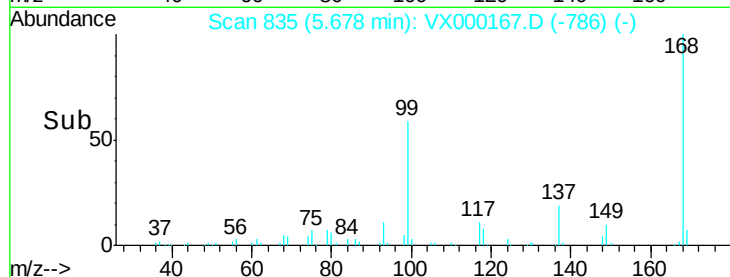
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.35 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000167.D

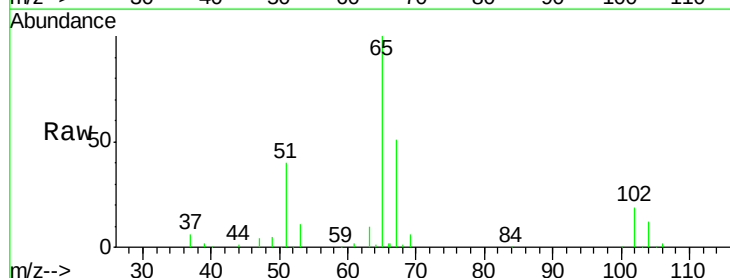
Acq: 28 Feb 2018 15:20

Tgt Ion: 65 Resp: 63084

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.08

25000

20000

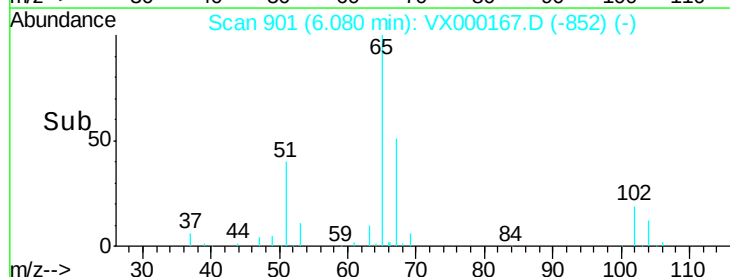
15000

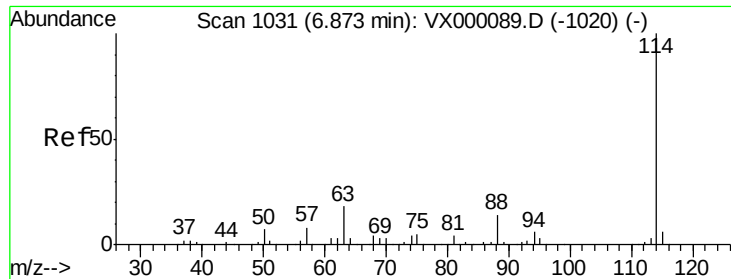
10000

5000

0

Time--> 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000167.D

Acq: 28 Feb 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW12-GWDL

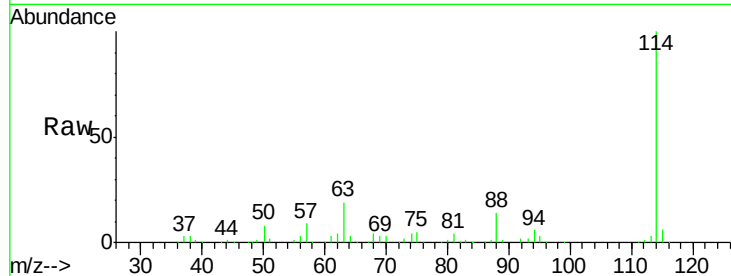
Tot Ion:114 Resp: 159252

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

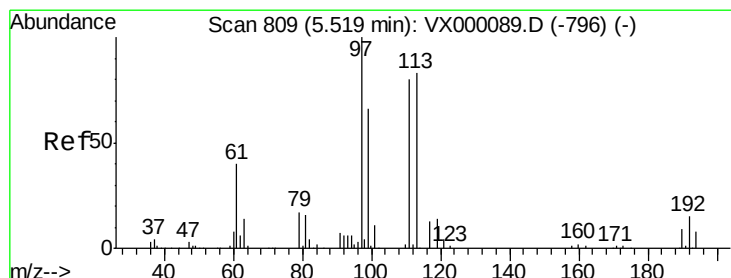
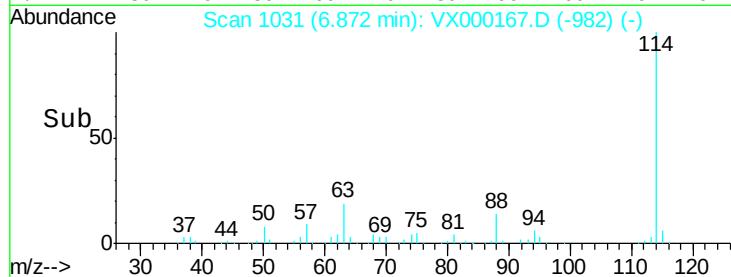
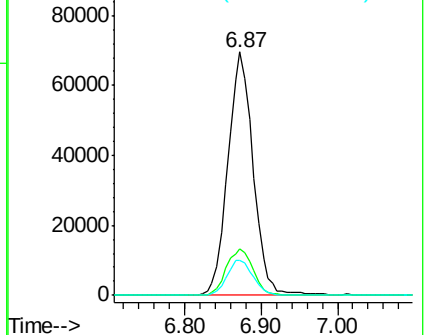
88 14.2 0.0 29.0



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: 46.35 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000167.D

Acq: 28 Feb 2018 15:20

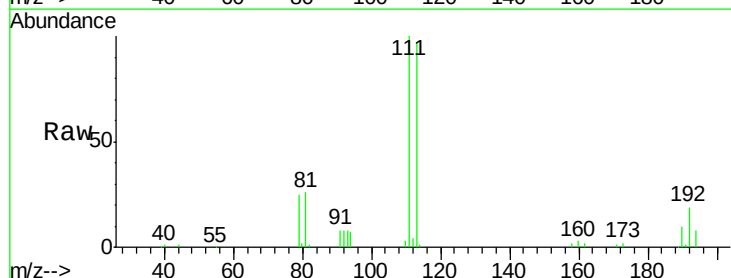
Tgt Ion:113 Resp: 46586

Ion Ratio Lower Upper

113 100

111 104.4 81.0 121.6

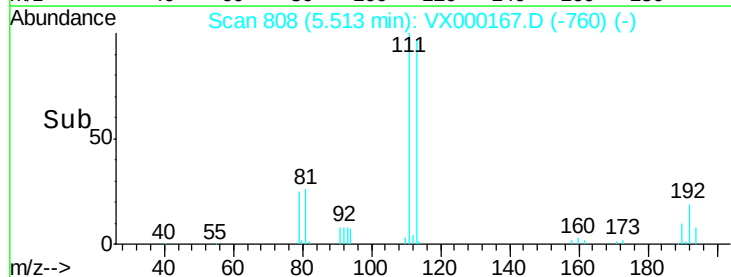
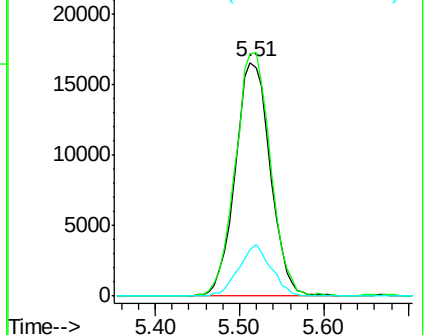
192 20.2 15.7 23.5

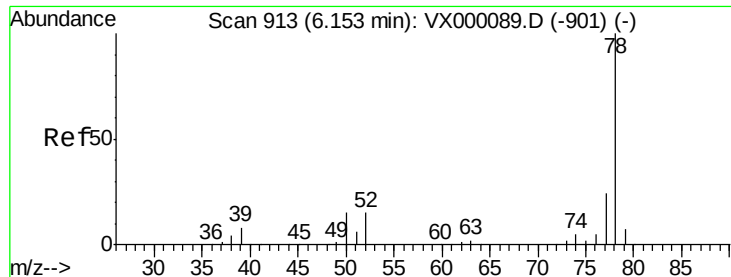


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.45 ug/l

RT: 6.16 min Scan# 914

Delta R.T. 0.01 min

Lab File: VX000167.D

Acq: 28 Feb 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

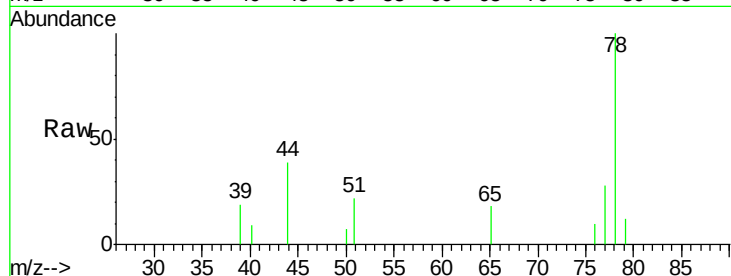
RFK-RMAB-MW12-GWDL

Tot Ion: 78 Resp: 1823

Ion Ratio Lower Upper

78 100

77 27.6 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.16

800

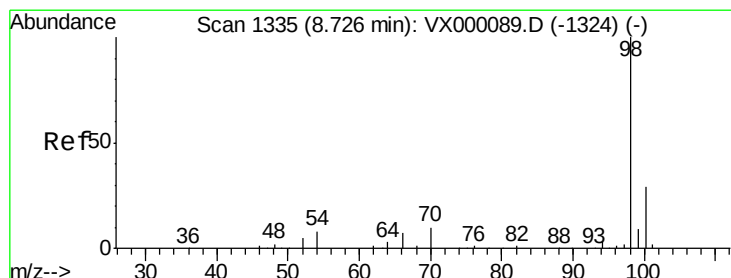
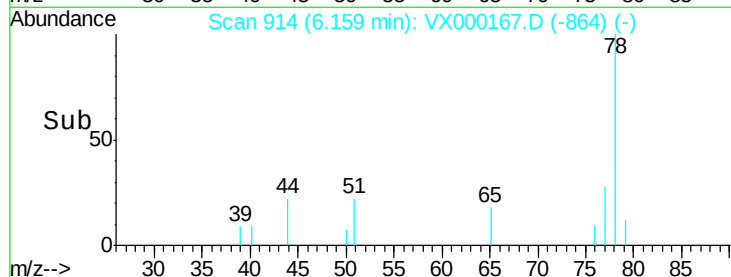
600

400

200

0

Time--> 6.05 6.10 6.15 6.20 6.25



#50

Toluene-d8

Concen: 49.86 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000167.D

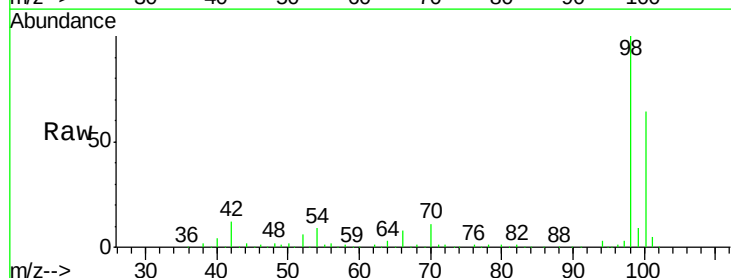
Acq: 28 Feb 2018 15:20

Tgt Ion: 98 Resp: 197683

Ion Ratio Lower Upper

98 100

100 62.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.73

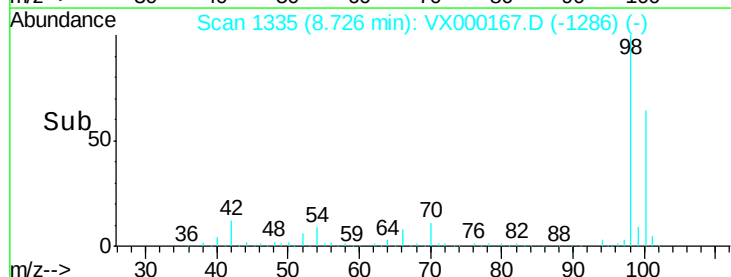
150000

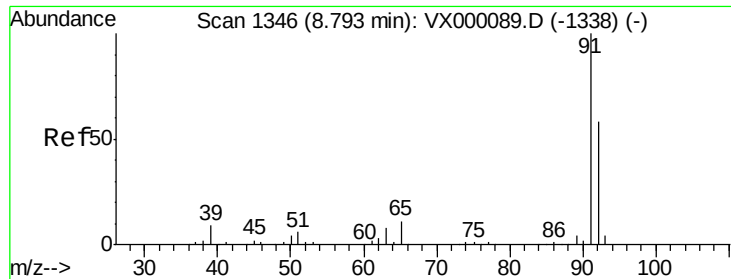
100000

50000

0

Time--> 8.60 8.70 8.80 8.90





#52

Toluene

Concen: 6.44 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000167.D

Acq: 28 Feb 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

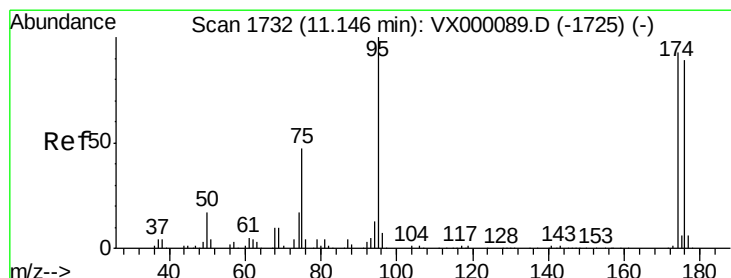
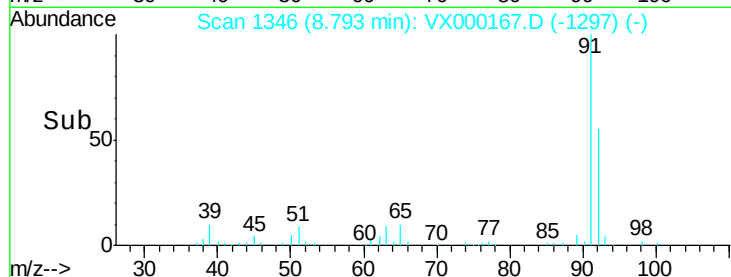
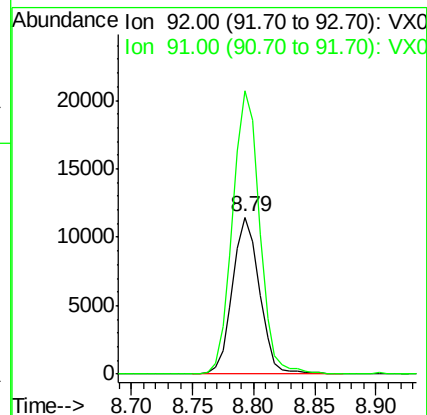
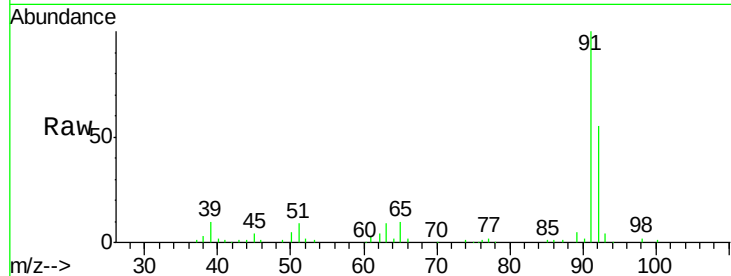
RFK-RMAB-MW12-GWDL

Tot Ion: 92 Resp: 17561

Ion Ratio Lower Upper

92 100

91 179.6 139.8 209.6



#62

4-Bromofluorobenzene

Concen: 44.77 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000167.D

Acq: 28 Feb 2018 15:20

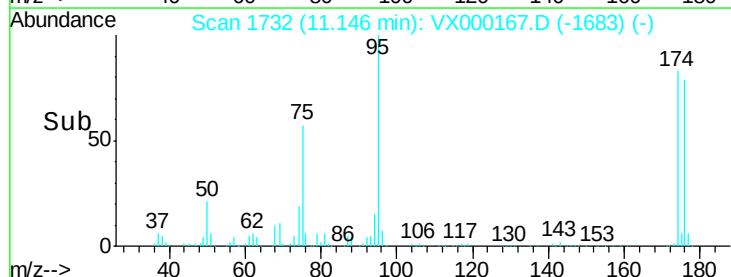
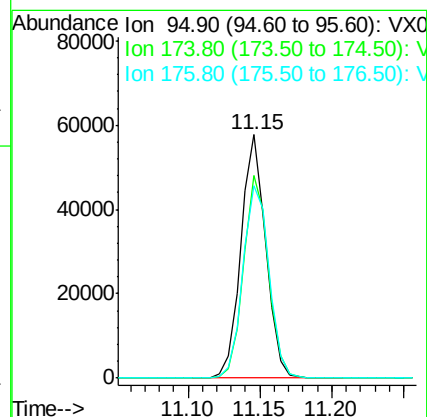
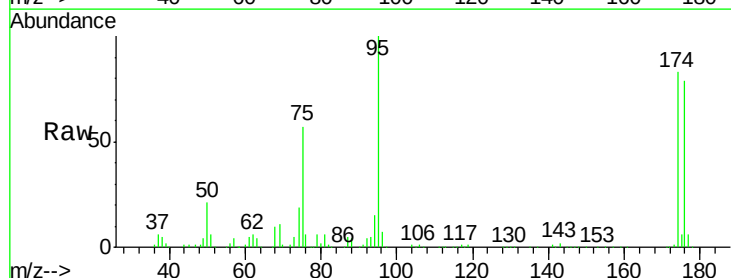
Tgt Ion: 95 Resp: 69606

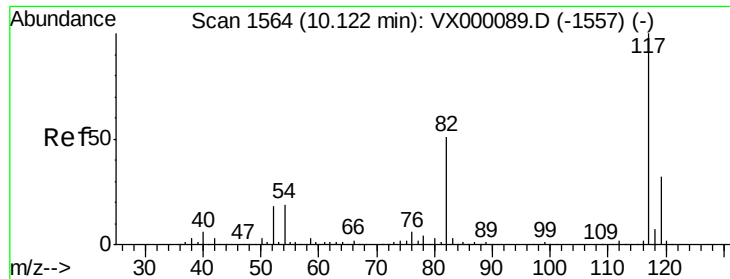
Ion Ratio Lower Upper

95 100

174 82.9 0.0 187.8

176 83.0 0.0 181.2

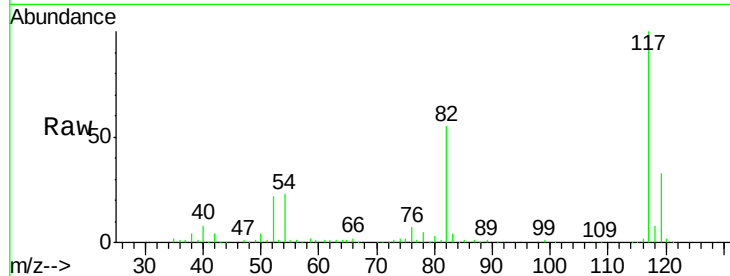




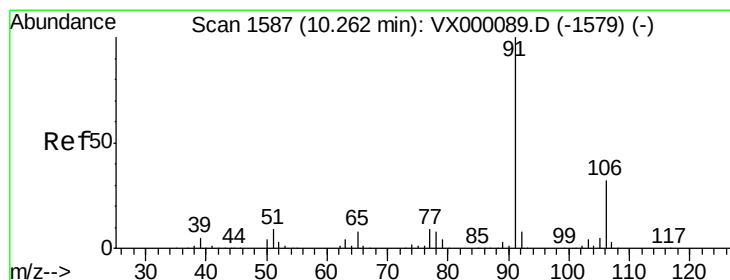
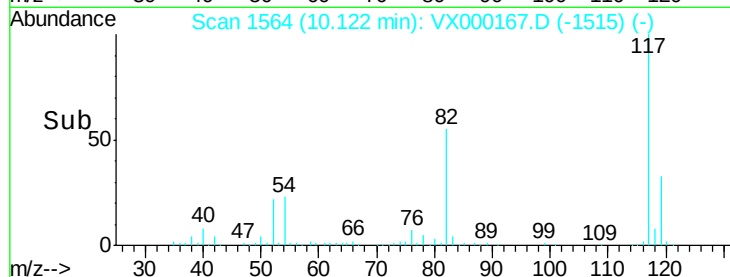
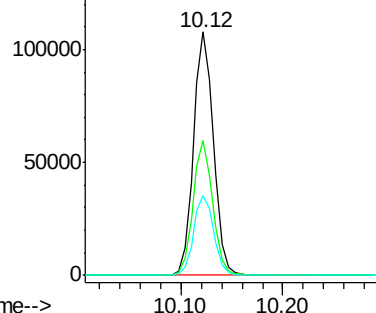
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000167.D
Acq: 28 Feb 2018 15:20

Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW12-GWDL

Tot Ion:117 Resp: 146363
Ion Ratio Lower Upper
117 100
82 55.5 41.0 61.6
119 32.8 25.5 38.3

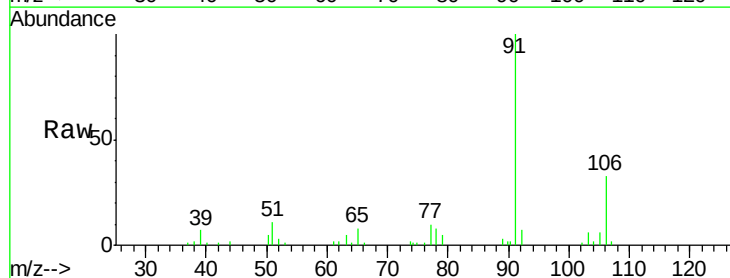


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

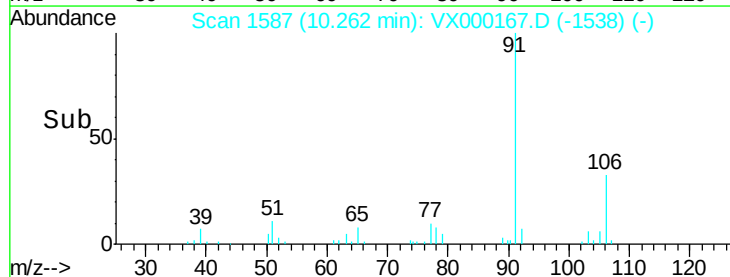
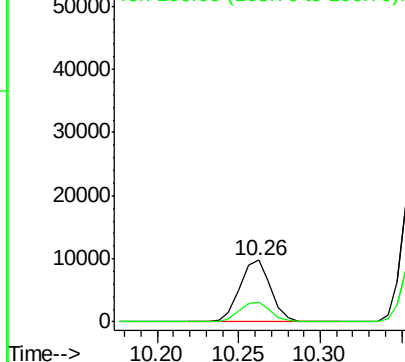


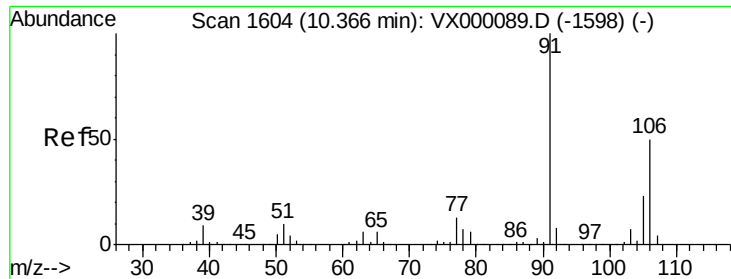
#67
Ethyl Benzene
Concen: 2.52 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000167.D
Acq: 28 Feb 2018 15:20

Tgt Ion: 91 Resp: 13074
Ion Ratio Lower Upper
91 100
106 32.6 25.8 38.6



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

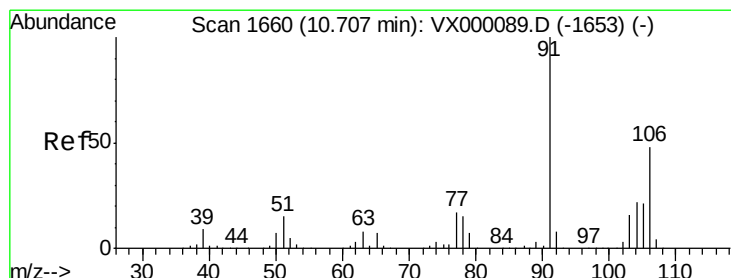
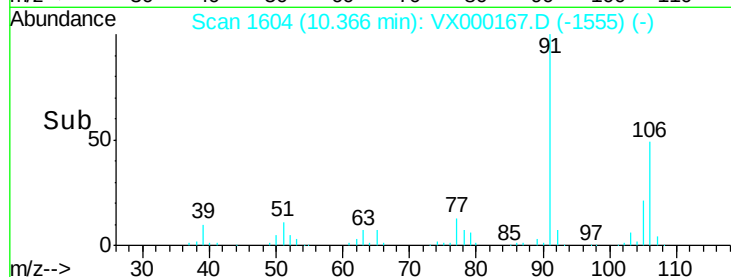
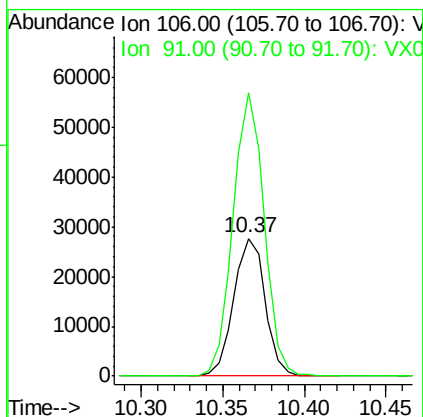
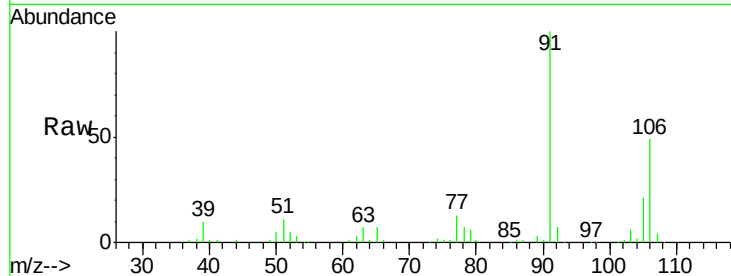




#68
m/p-Xylenes
Concen: 18.14 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000167.D
Acq: 28 Feb 2018 15:20

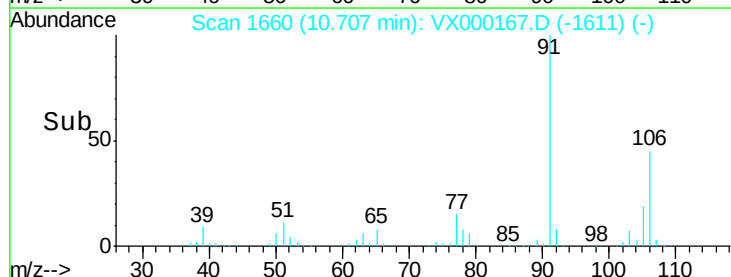
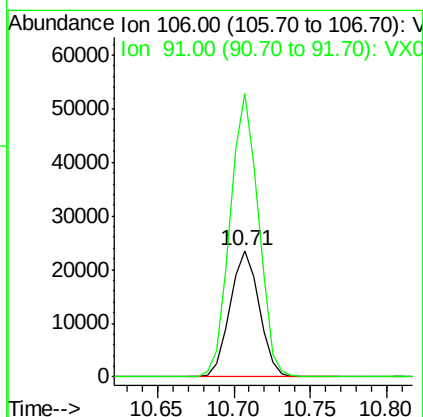
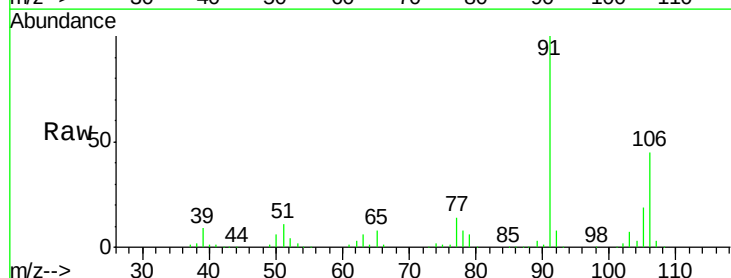
Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW12-GWDL

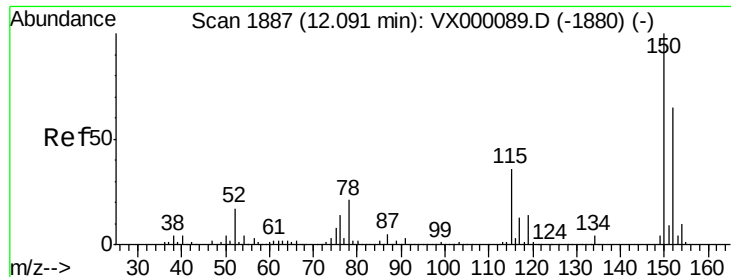
Tot Ion:106 Resp: 37260
Ion Ratio Lower Upper
106 100
91 203.9 159.1 238.7



#69
o-Xylene
Concen: 15.74 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000167.D
Acq: 28 Feb 2018 15:20

Tgt Ion:106 Resp: 31175
Ion Ratio Lower Upper
106 100
91 217.5 103.8 311.6



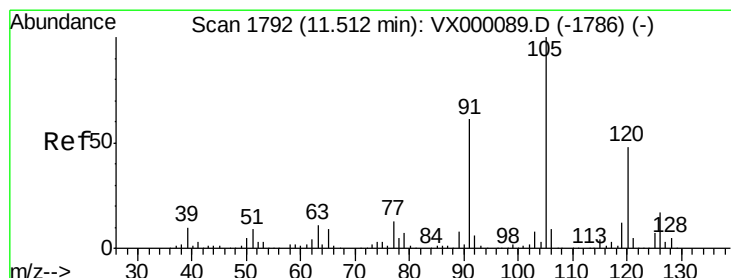
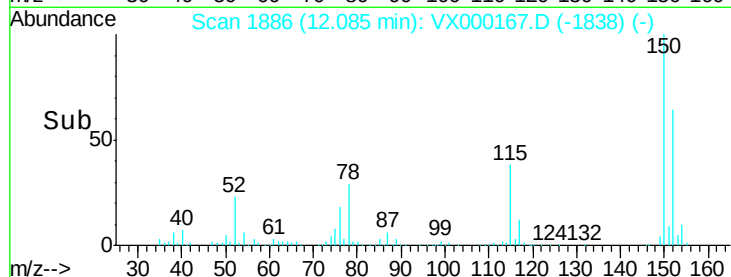
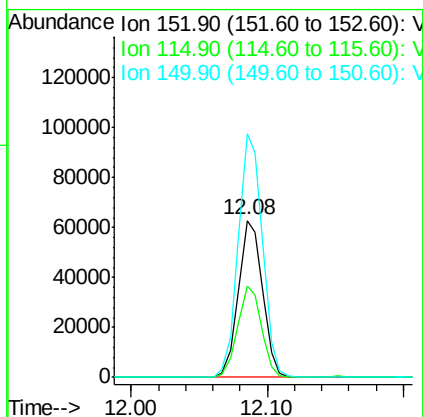
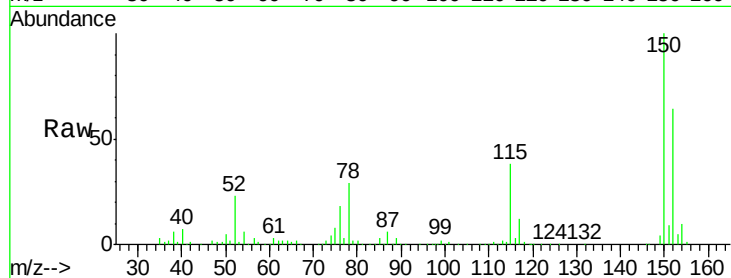


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000167.D
Acq: 28 Feb 2018 15:20

Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW12-GWDL

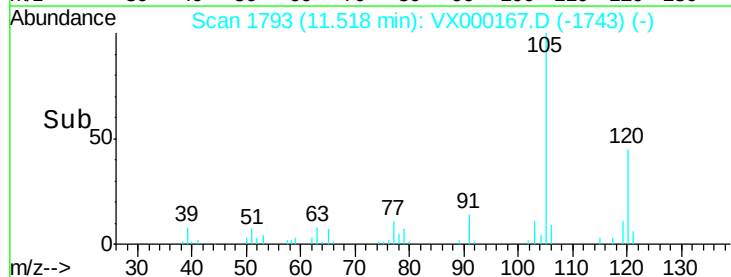
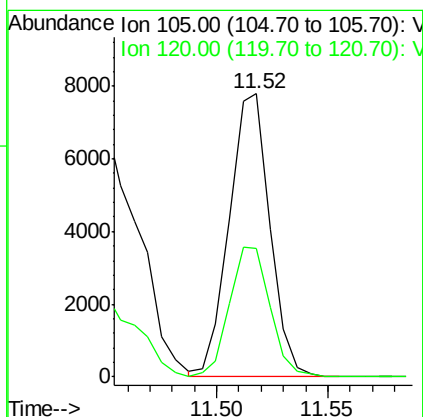
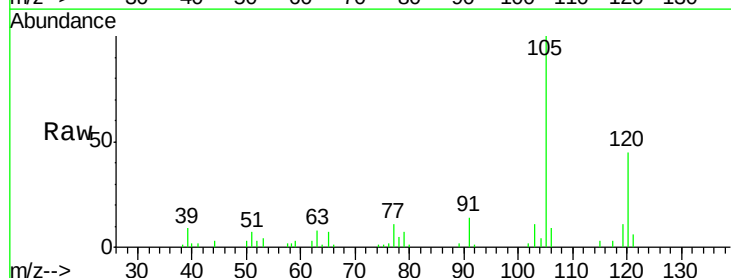
Tot Ion:152 Resp: 77443
Ion Ratio Lower Upper
152 100
115 57.5 39.1 117.2
150 155.1 0.0 348.2

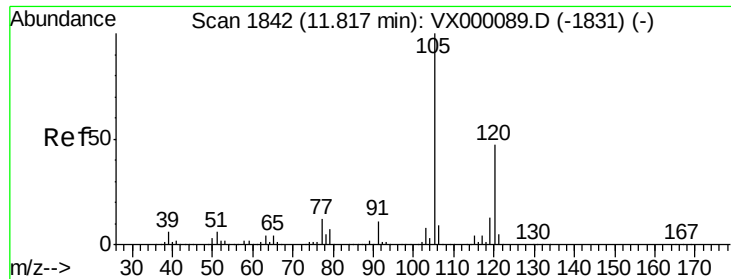


#80

1,3,5-Trimethylbenzene
Concen: 2.39 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX000167.D
Acq: 28 Feb 2018 15:20

Tgt Ion:105 Resp: 9904
Ion Ratio Lower Upper
105 100
120 45.9 24.9 74.6





#84

1,2,4-Trimethylbenzene

Concen: 4.72 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000167.D

Acq: 28 Feb 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

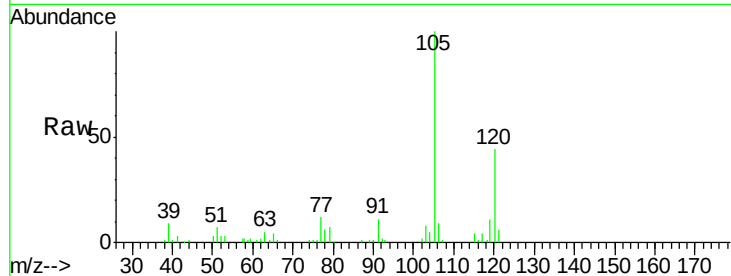
RFK-RMAB-MW12-GWDL

Tot Ion:105 Resp: 20343

Ion Ratio Lower Upper

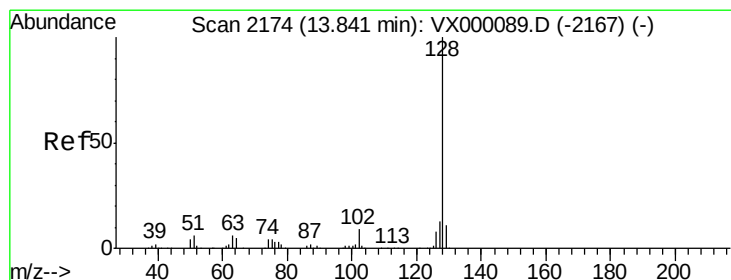
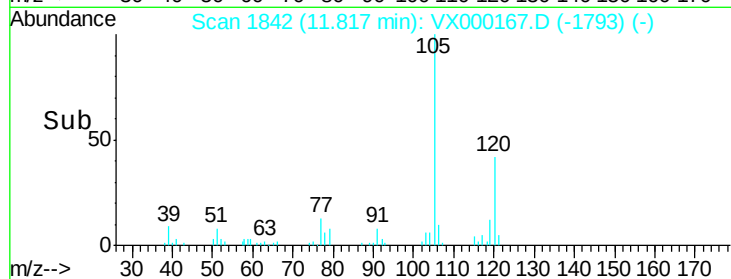
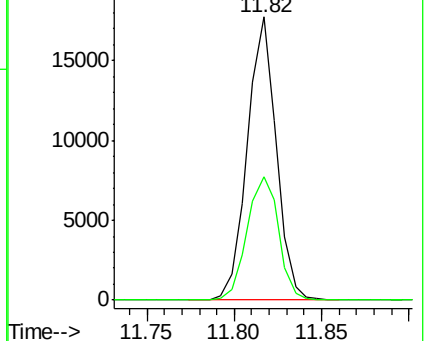
105 100

120 47.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.07 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000167.D

Acq: 28 Feb 2018 15:20

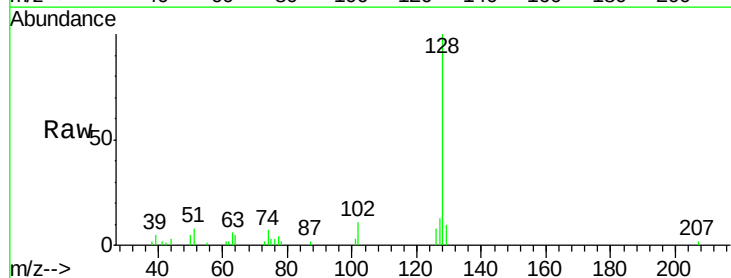
Tgt Ion:128 Resp: 6838

Ion Ratio Lower Upper

128 100

127 14.1 10.4 15.6

129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

