

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000601.D
 Acq On : 31 Mar 2018 18:42
 Operator : JC/MD
 Sample : J2150-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 03 19:01:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	108626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	183579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	99986	50.00	ug/l	0.00

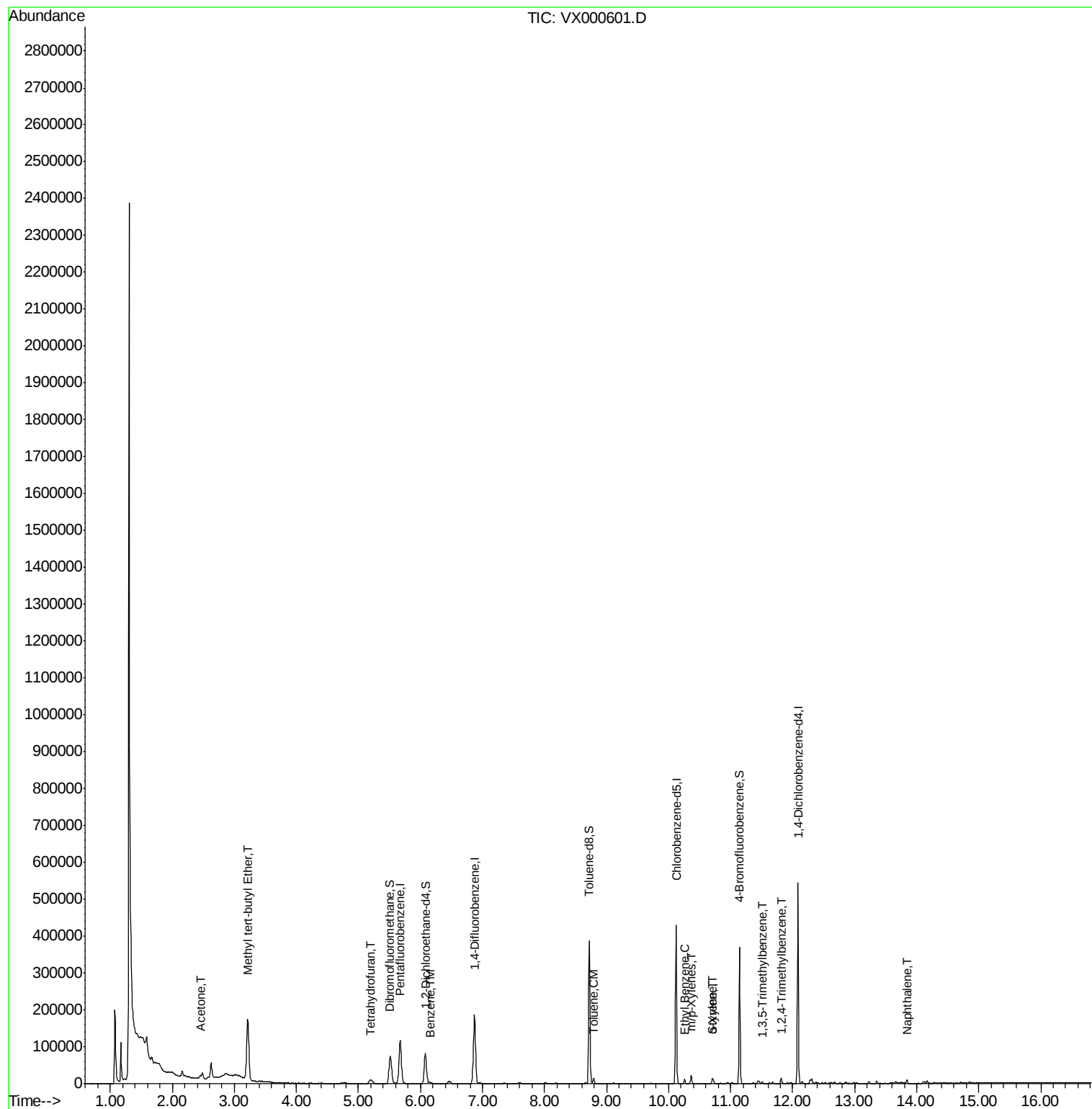
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	73693	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	5.51	113	59199	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	8.73	98	230154	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.15	95	82302	41.81	ug/l	0.00
Spiked Amount			Recovery	=	83.62%	

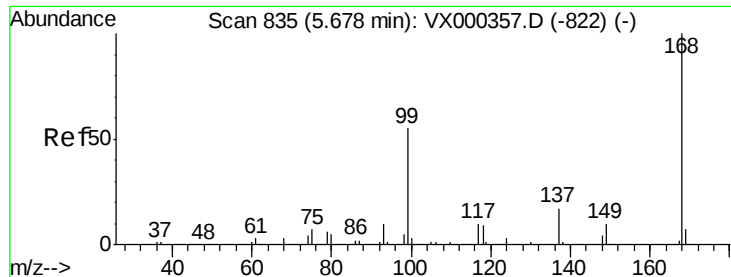
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	8992	7.62	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	191277	43.93	ug/l	98
29) Tetrahydrofuran	5.19	42	6511	7.98	ug/l	94
40) Benzene	6.16	78	3026	0.61	ug/l #	68
52) Toluene	8.79	92	4708	1.35	ug/l	92
67) Ethyl Benzene	10.26	91	6983	1.01	ug/l	92
68) m/p-Xylenes	10.36	106	5289	1.95	ug/l	89
69) o-Xylene	10.71	106	2515	0.96	ug/l	96
70) Styrene	10.72	104	3304	0.76	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	1942	0.35	ug/l	90
84) 1,2,4-Trimethylbenzene	11.82	105	6223	1.07	ug/l	90
95) Naphthalene	13.84	128	5735	0.70	ug/l	96

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

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ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 03 19:01:12 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 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: VX000601.D

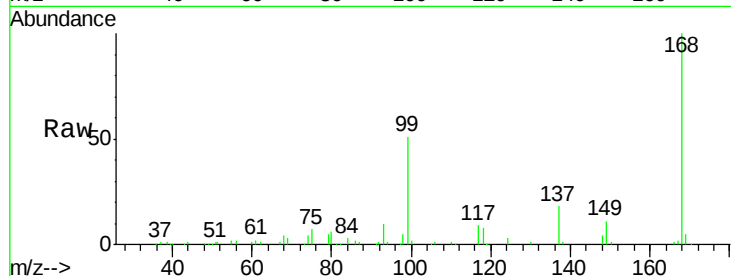
Acq: 31 Mar 2018 18:42

Tot Ion:168 Resp: 108626

Ion Ratio Lower Upper

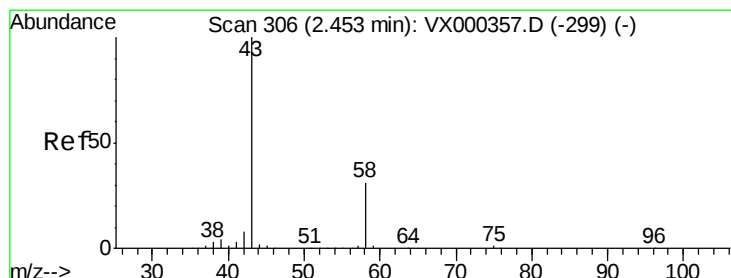
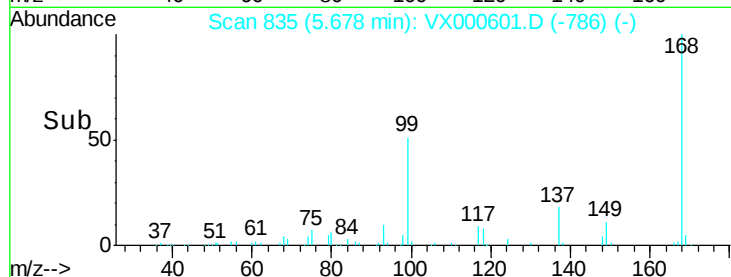
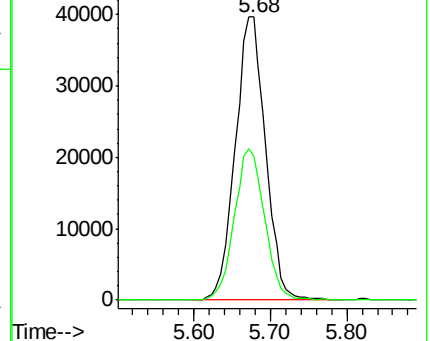
168 100

99 50.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 7.62 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000601.D

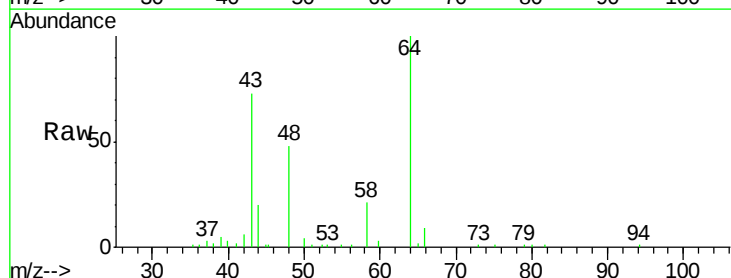
Acq: 31 Mar 2018 18:42

Tgt Ion: 43 Resp: 8992

Ion Ratio Lower Upper

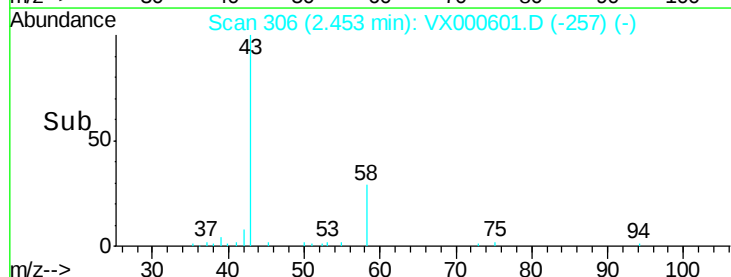
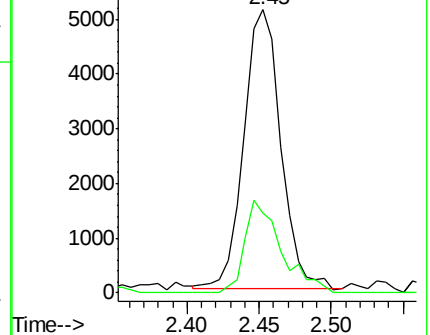
43 100

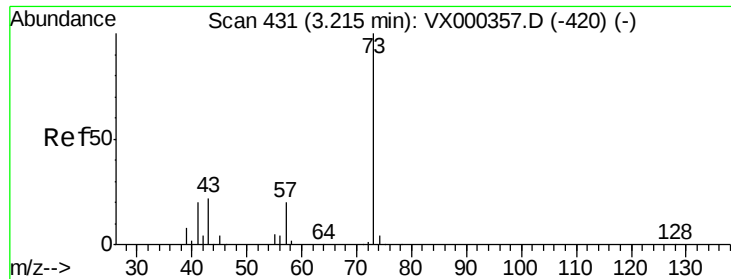
58 28.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

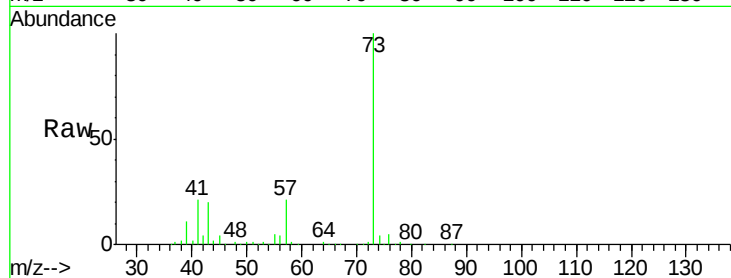
Ion 58.00 (57.70 to 58.70): VX0



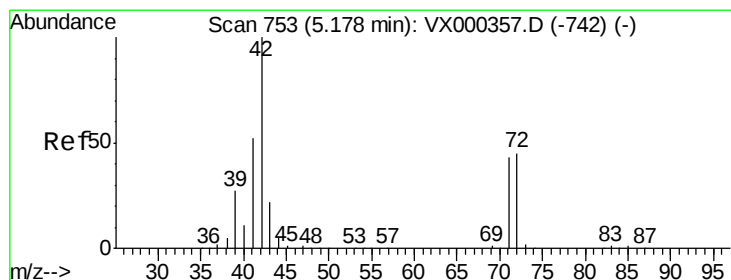
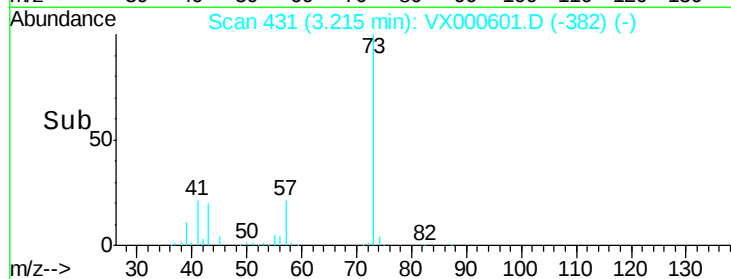
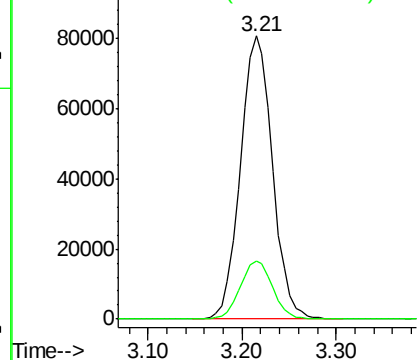


#19
Methvl tert-butvl Ether
Concen: 43.93 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000601.D
Acq: 31 Mar 2018 18:42

Tot Ion: 73 Resp: 191277
Ion Ratio Lower Upper
73 100
57 20.6 17.2 25.8

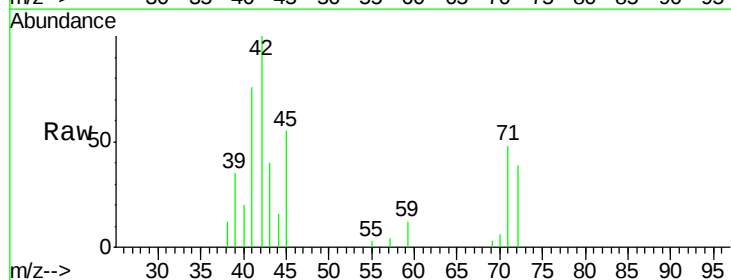


Abundance Ion 73.00 (72.70 to 73.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

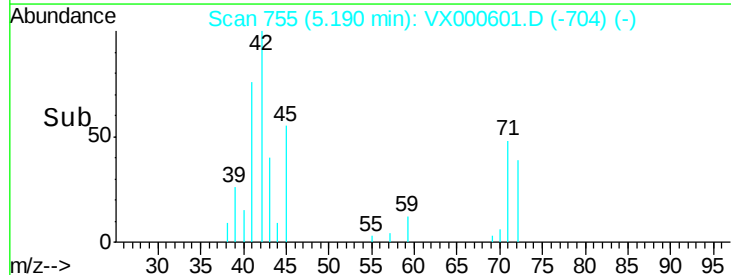
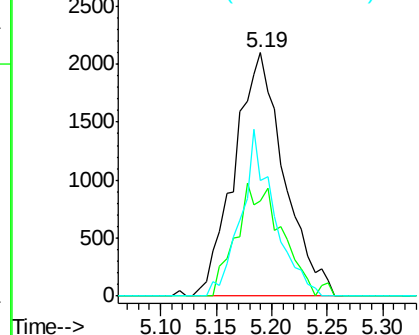


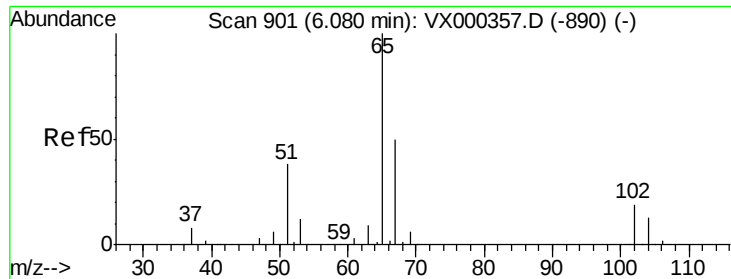
#29
Tetrahydrofuran
Concen: 7.98 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX000601.D
Acq: 31 Mar 2018 18:42

Tgt Ion: 42 Resp: 6511
Ion Ratio Lower Upper
42 100
72 41.8 37.9 56.9
71 45.8 34.4 51.6



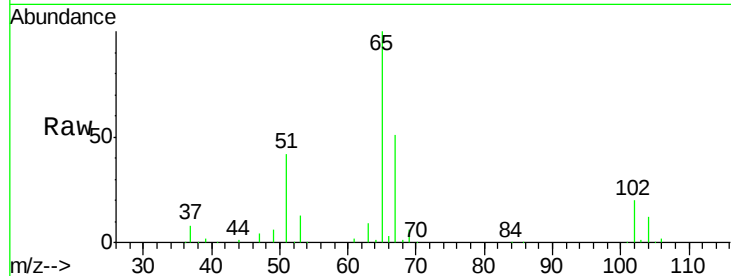
Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



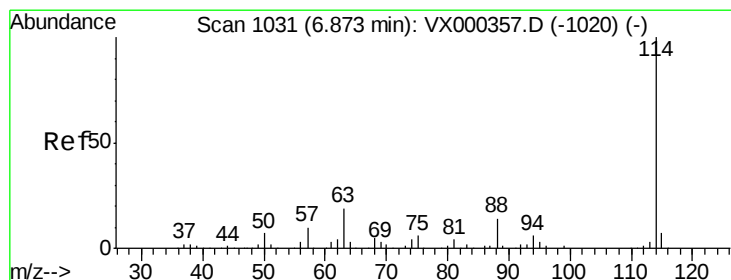
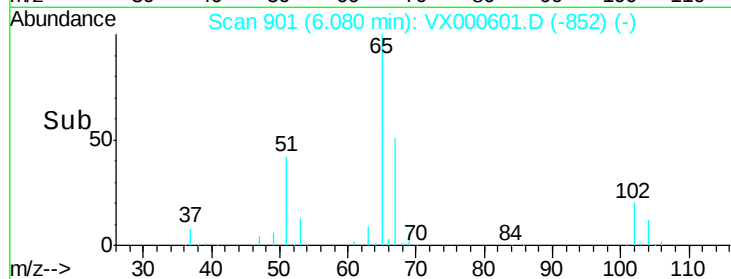
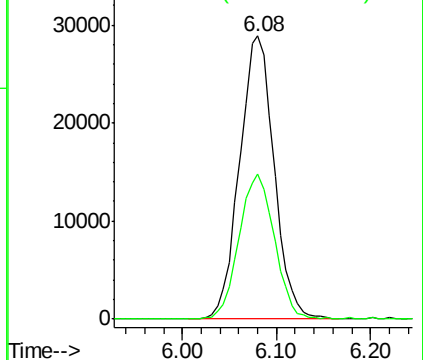


#33
 1,2-Dichloroethane-d4
 Concen: 51.97 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000601.D
 Acq: 31 Mar 2018 18:42

Tot Ion: 65 Resp: 73693
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.2

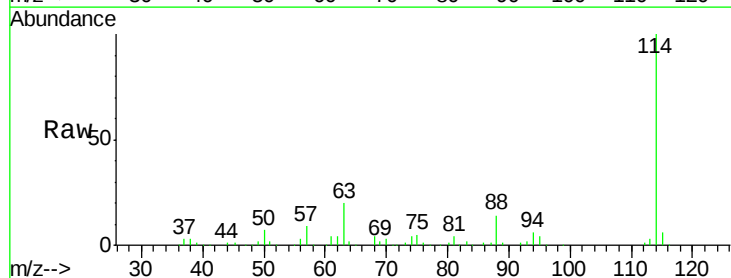


Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

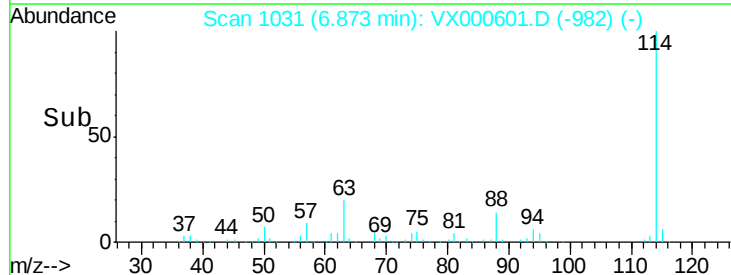
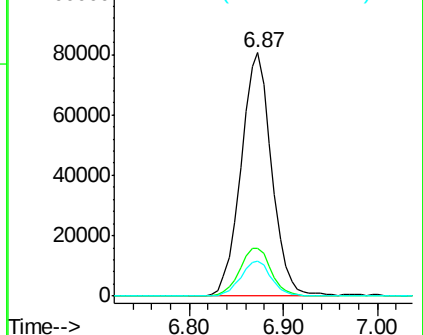


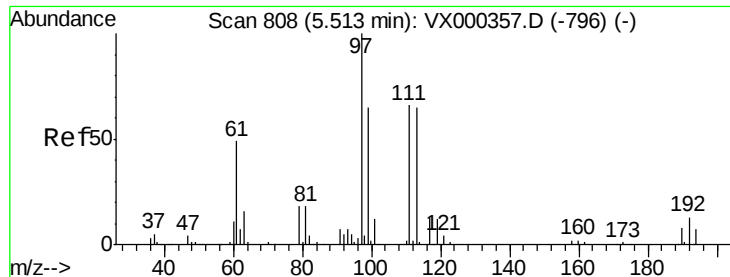
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000601.D
 Acq: 31 Mar 2018 18:42

Tgt Ion: 114 Resp: 183579
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 14.2 0.0 27.0



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: 51.18 ug/l

RT: 5.51 min Scan# 808

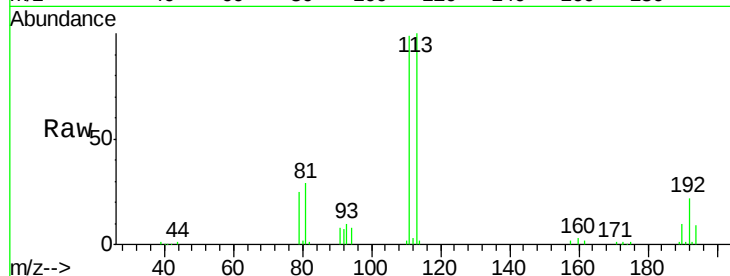
Delta R.T. -0.00 min

Lab File: VX000601.D

Acq: 31 Mar 2018 18:42

Tot Ion:113 Resp: 59199

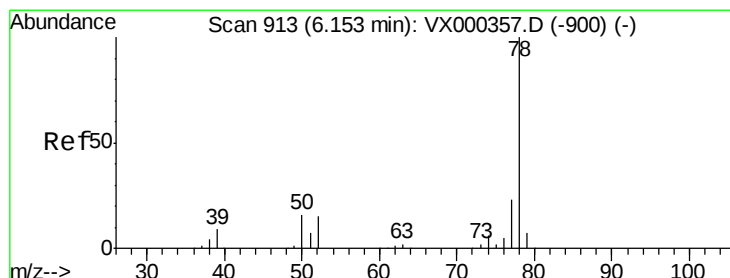
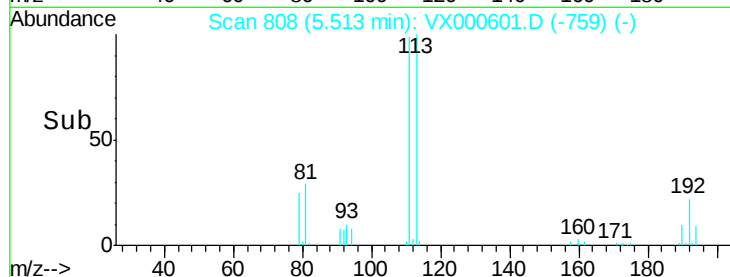
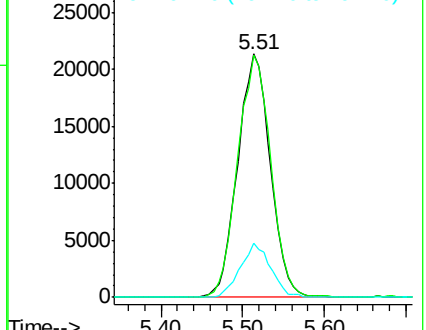
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.4	123.6
192	20.5	15.8	23.6



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: 0.61 ug/l

RT: 6.16 min Scan# 914

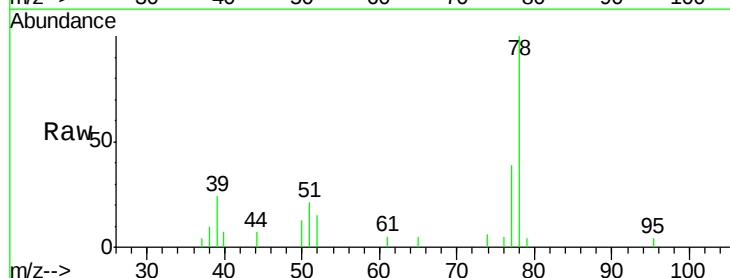
Delta R.T. 0.01 min

Lab File: VX000601.D

Acq: 31 Mar 2018 18:42

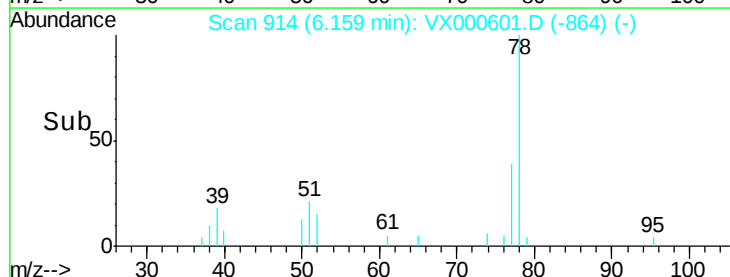
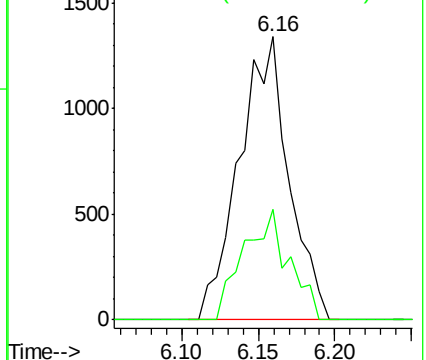
Tgt Ion: 78 Resp: 3026

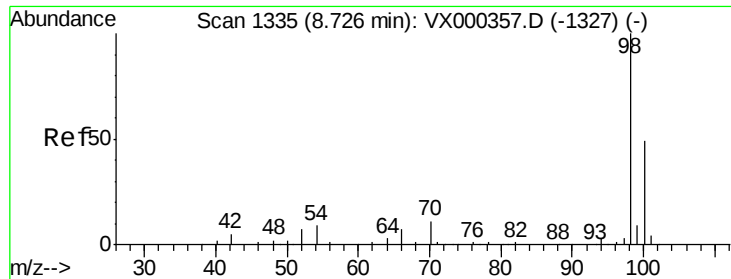
Ion	Ratio	Lower	Upper
78	100		
77	39.1	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 48.04 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000601.D

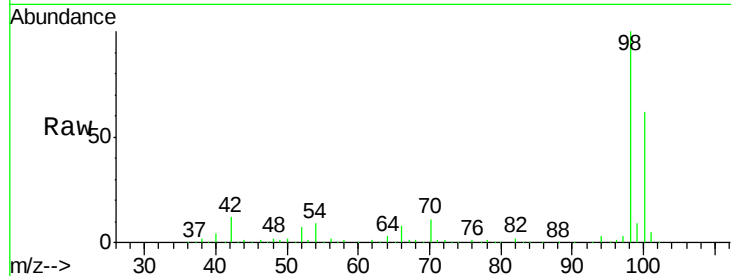
Acq: 31 Mar 2018 18:42

Tot Ion: 98 Resp: 230154

Ion Ratio Lower Upper

98 100

100 62.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

150000

100000

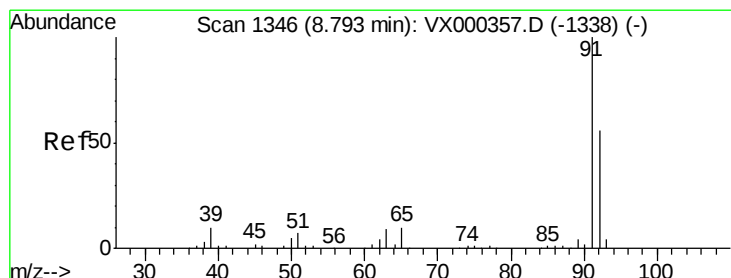
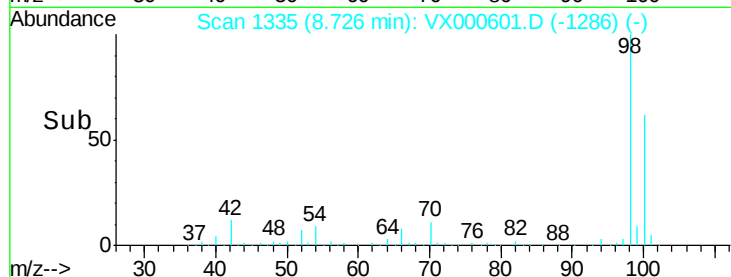
50000

0

8.73

8.60 8.70 8.80 8.90

Time-->



#52

Toluene

Concen: 1.35 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000601.D

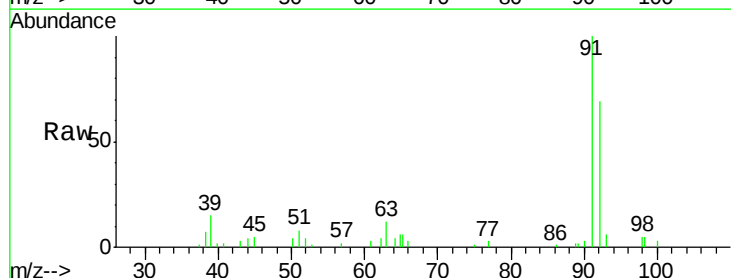
Acq: 31 Mar 2018 18:42

Tgt Ion: 92 Resp: 4708

Ion Ratio Lower Upper

92 100

91 164.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

5000

4000

3000

2000

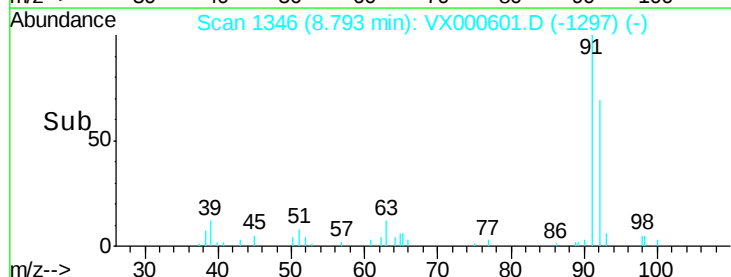
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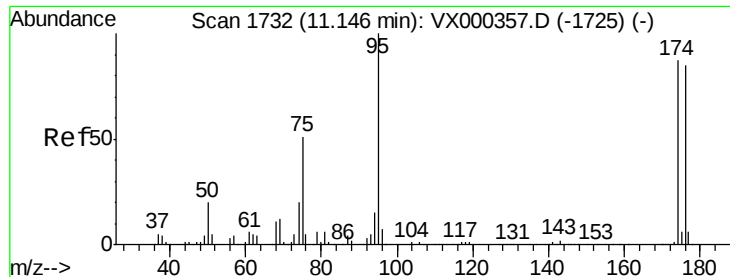
0

8.79

8.75 8.80 8.85

Time-->





#62

4-Bromofluorobenzene

Concen: 41.81 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000601.D

Acq: 31 Mar 2018 18:42

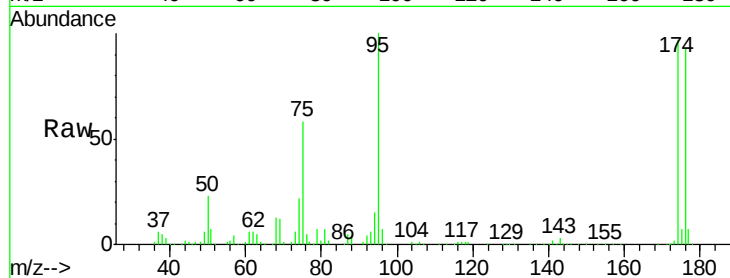
Tot Ion: 95 Resp: 82302

Ion Ratio Lower Upper

95 100

174 91.8 0.0 173.6

176 89.5 0.0 164.6

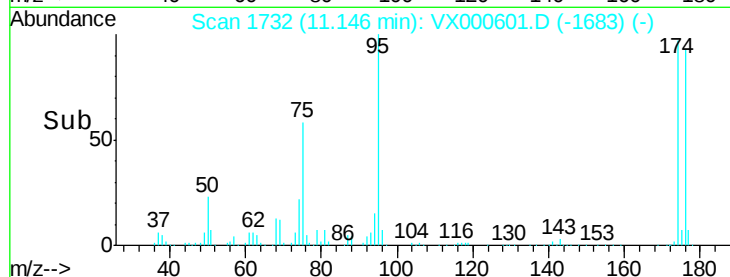


Abundance Ion 94.90 (94.60 to 95.60): VX000357.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000357.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000357.D (-1725) (-)

Time-->

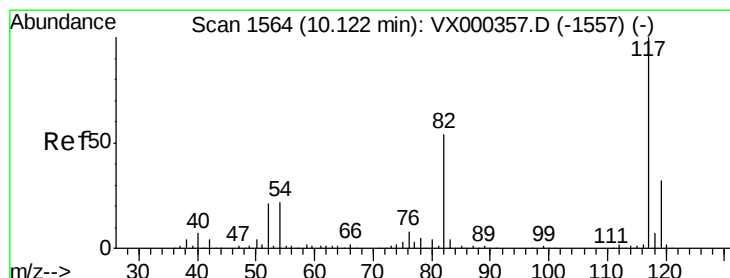


Abundance Ion 94.90 (94.60 to 95.60): VX000601.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000601.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000601.D (-1683) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000601.D

Acq: 31 Mar 2018 18:42

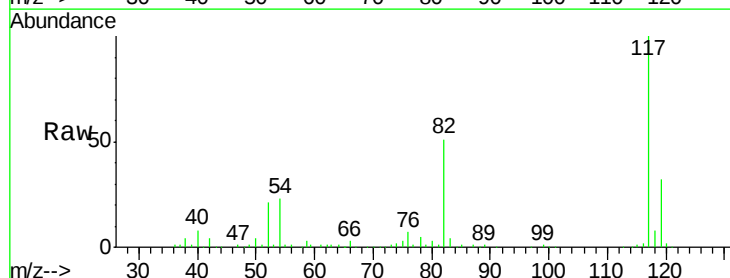
Tgt Ion: 117 Resp: 182780

Ion Ratio Lower Upper

117 100

82 51.0 43.8 65.8

119 32.1 24.9 37.3

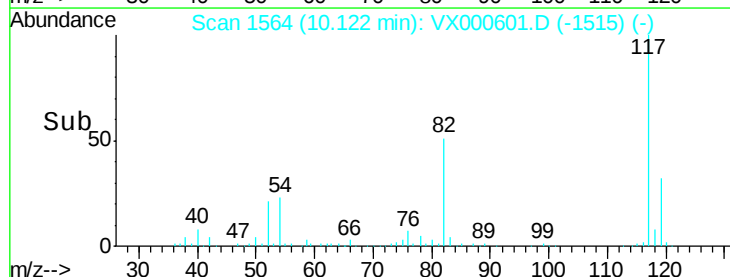


Abundance Ion 116.90 (116.60 to 117.60): VX000357.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000357.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000357.D (-1557) (-)

Time-->

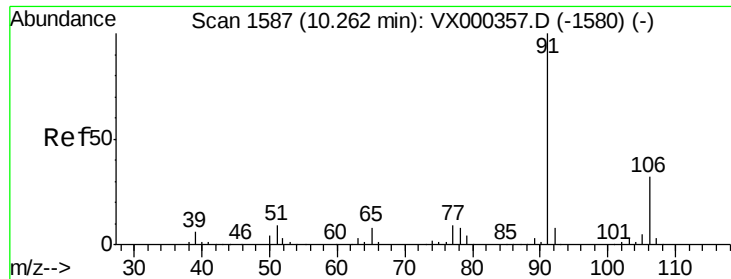


Abundance Ion 116.90 (116.60 to 117.60): VX000601.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000601.D (-1515) (-)

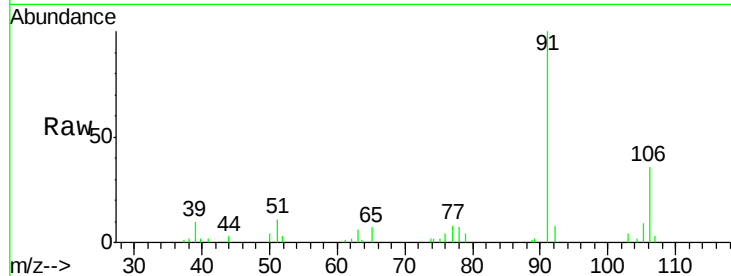
Ion 118.90 (118.60 to 119.60): VX000601.D (-1515) (-)

Time-->

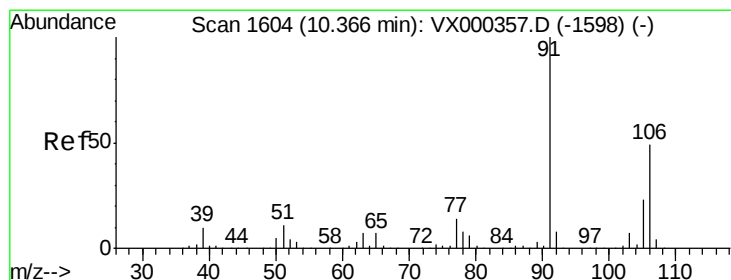
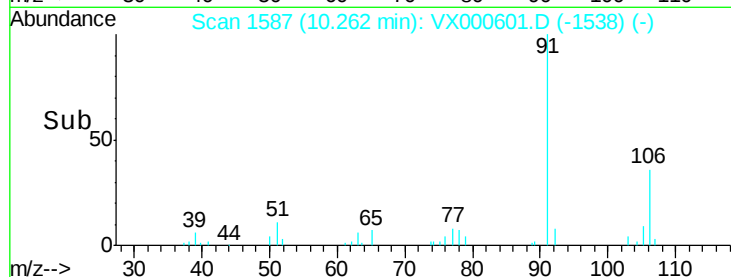
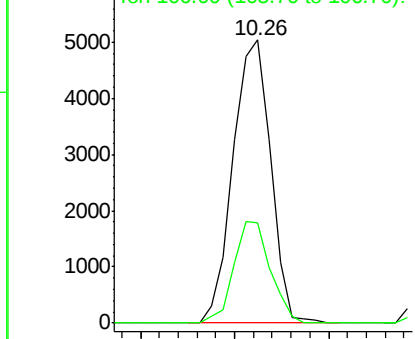


#67
Ethyl Benzene
Concen: 1.01 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000601.D
Acq: 31 Mar 2018 18:42

Tot Ion: 91 Resp: 6983
Ion Ratio Lower Upper
91 100
106 35.5 25.0 37.6

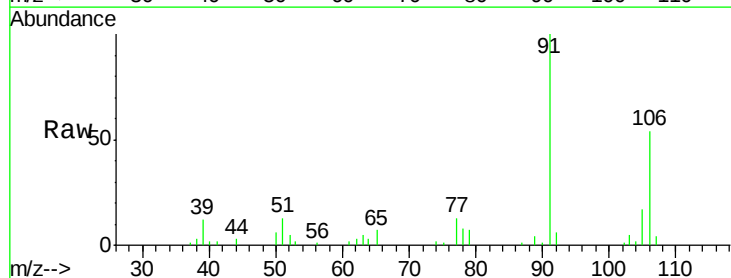


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

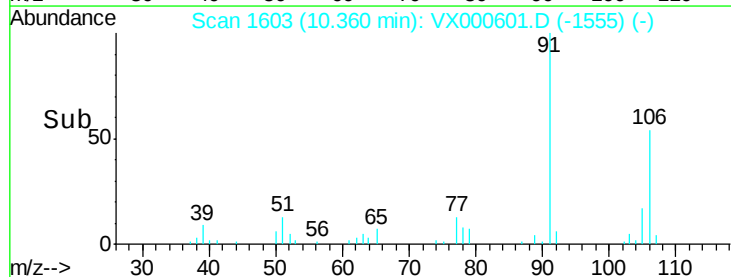
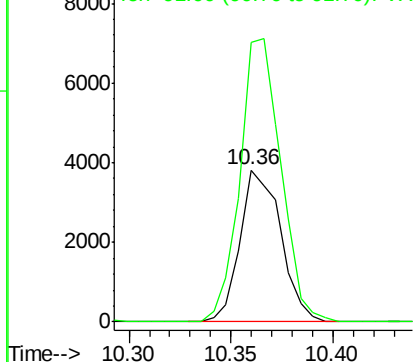


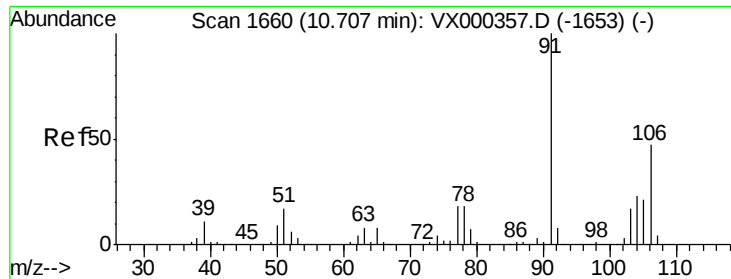
#68
m/p-Xylenes
Concen: 1.95 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX000601.D
Acq: 31 Mar 2018 18:42

Tgt Ion: 106 Resp: 5289
Ion Ratio Lower Upper
106 100
91 187.4 163.4 245.2



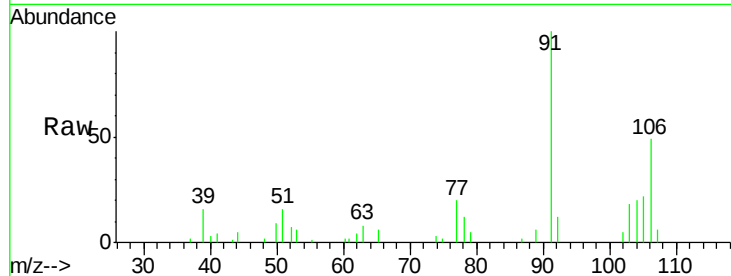
Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0



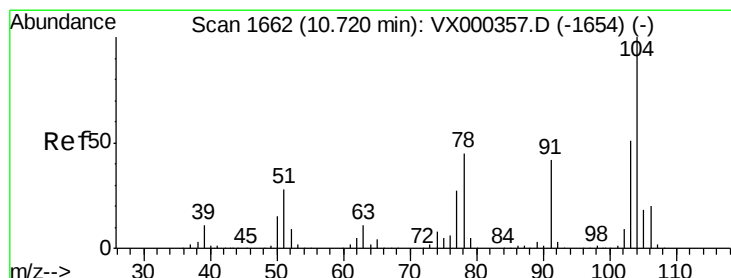
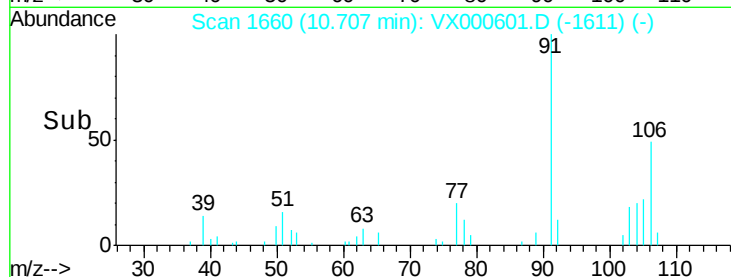
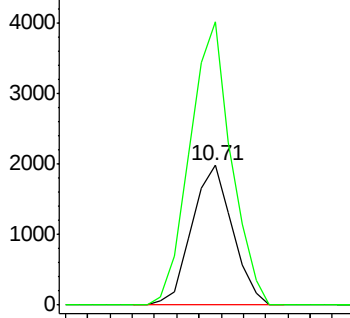


#69
o-Xylene
Concen: 0.96 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000601.D
Acq: 31 Mar 2018 18:42

Tot Ion:106 Resp: 2515
Ion Ratio Lower Upper
106 100
91 206.2 106.5 319.6

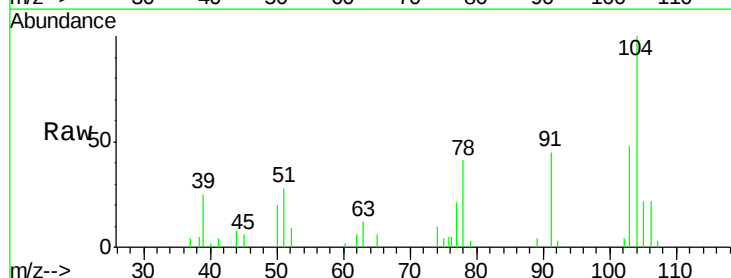


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

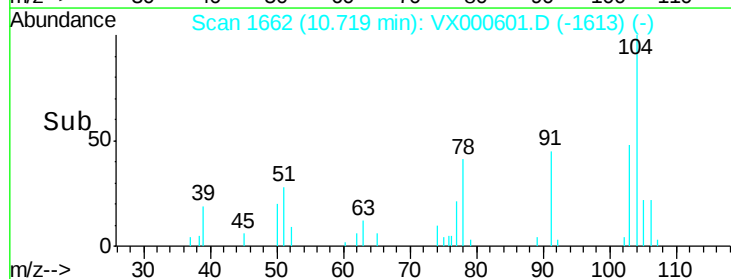
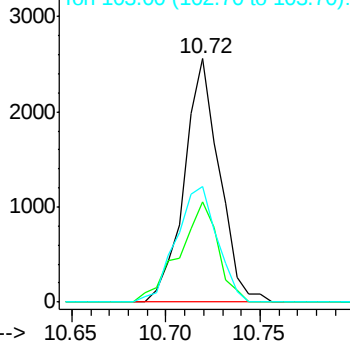


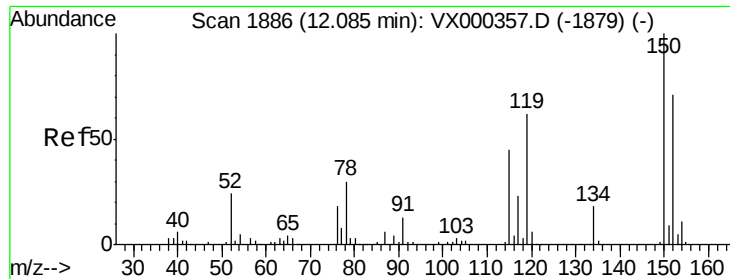
#70
Styrene
Concen: 0.76 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000601.D
Acq: 31 Mar 2018 18:42

Tgt Ion:104 Resp: 3304
Ion Ratio Lower Upper
104 100
78 45.4 40.5 60.7
103 55.6 45.7 68.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000601.D

Acq: 31 Mar 2018 18:42

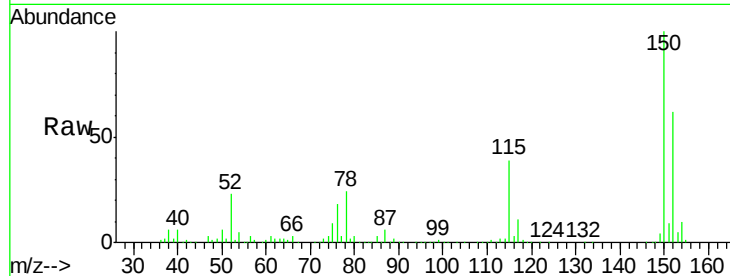
Tot Ion:152 Resp: 99986

Ion Ratio Lower Upper

152 100

115 56.9 39.8 119.3

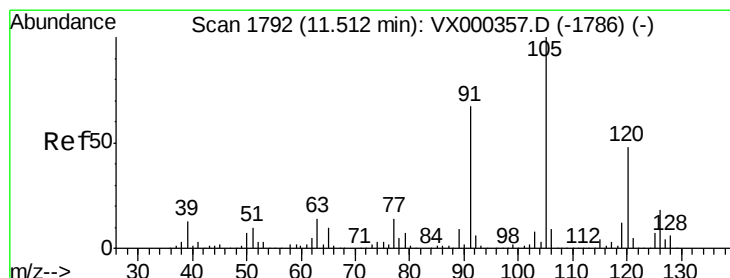
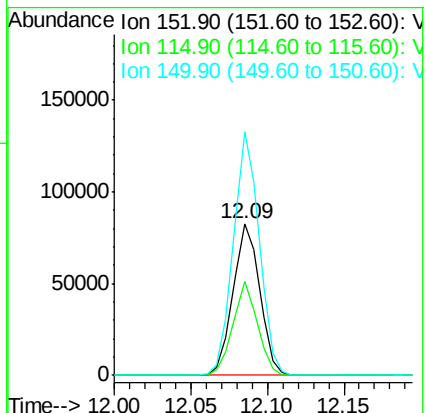
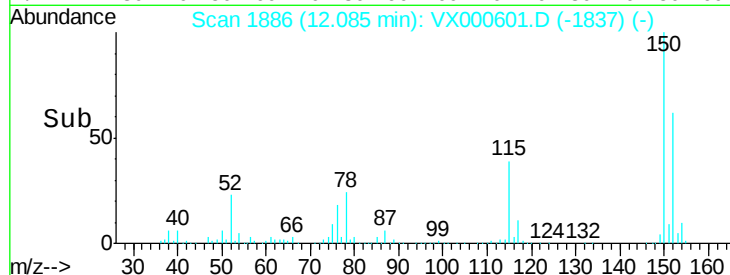
150 156.3 0.0 344.4



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



#80

1,3,5-Trimethylbenzene

Concen: 0.35 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000601.D

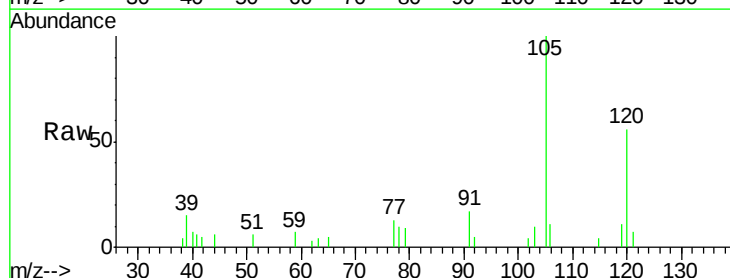
Acq: 31 Mar 2018 18:42

Tgt Ion:105 Resp: 1942

Ion Ratio Lower Upper

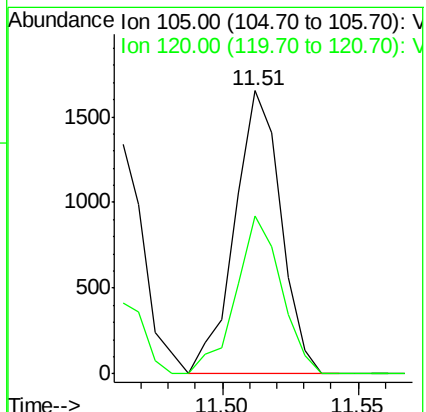
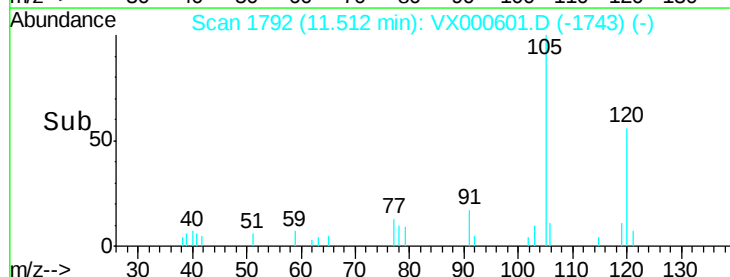
105 100

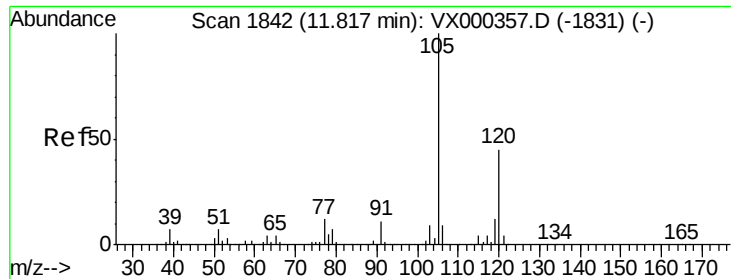
120 54.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

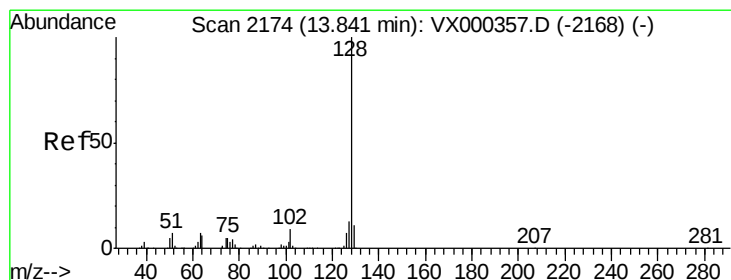
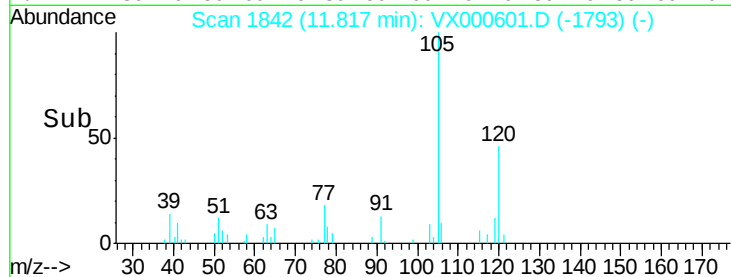
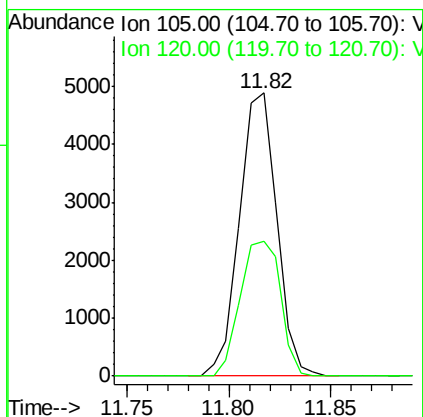
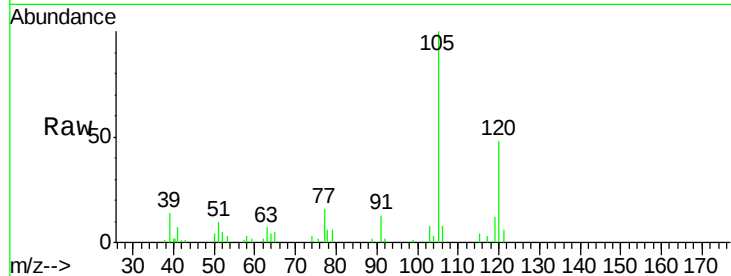
Ion 120.00 (119.70 to 120.70): V





#84
 1,2,4-Trimethylbenzene
 Concen: 1.07 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000601.D
 Acq: 31 Mar 2018 18:42

Tot Ion:105 Resp: 6223
 Ion Ratio Lower Upper
 105 100
 120 51.3 22.4 67.3



#95
 Naphthalene
 Concen: 0.70 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000601.D
 Acq: 31 Mar 2018 18:42

Tgt Ion:128 Resp: 5735
 Ion Ratio Lower Upper
 128 100
 127 14.4 10.6 15.8
 129 12.8 8.9 13.3

