

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000614.D
 Acq On : 01 Apr 2018 01:04
 Operator : JC/MD
 Sample : J2132-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Apr 02 07:08:53 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	116975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	189592	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	195187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	112386	50.00	ug/l	0.00

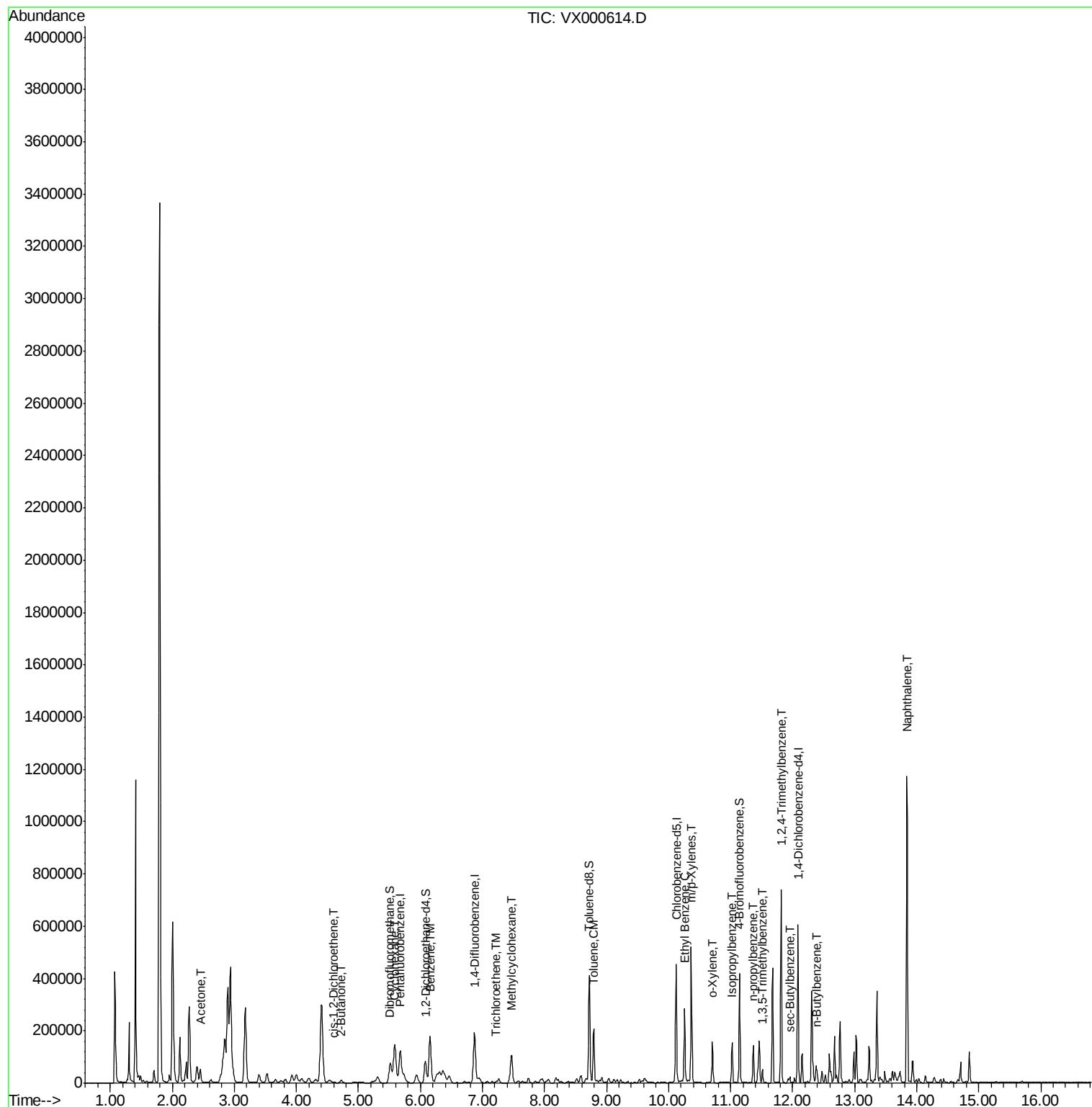
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	75316	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
35) Dibromofluoromethane	5.51	113	59187	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	8.72	98	242791	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.15	95	90873	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	

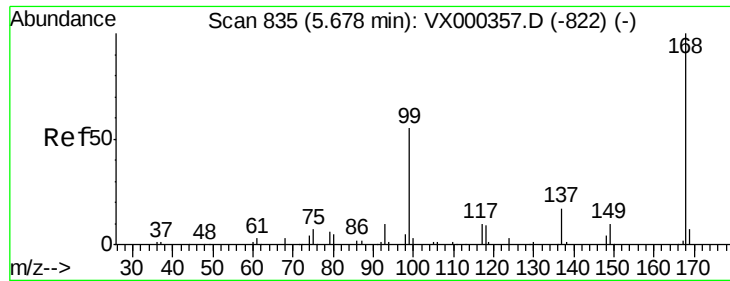
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	52702	41.49	ug/l	99
25) 2-Butanone	4.73	43	17171	12.03	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	1443	1.09	ug/l	89
31) Cyclohexane	5.59	56	91960	47.74	ug/l	98
39) Methylcyclohexane	7.47	83	44281	20.50	ug/l	93
40) Benzene	6.15	78	207673	40.27	ug/l	98
44) Trichloroethene	7.22	130	2518	1.70	ug/l	96
52) Toluene	8.79	92	70599	19.58	ug/l	98
67) Ethyl Benzene	10.26	91	154552	20.99	ug/l	100
68) m/p-Xylenes	10.37	106	113740	39.25	ug/l	99
69) o-Xylene	10.71	106	31730	11.31	ug/l	97
73) Isopropylbenzene	11.02	105	74393	9.99	ug/l	99
78) n-propylbenzene	11.37	91	79400	8.94	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	21029	3.36	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	310079	47.24	ug/l	98
85) sec-Butylbenzene	11.96	105	11332	1.45	ug/l	92
89) n-Butylbenzene	12.40	91	18225	2.82	ug/l #	65
95) Naphthalene	13.84	128	669044	72.86	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000614.D

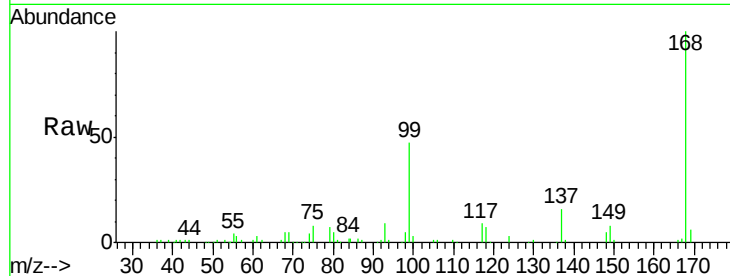
Acq: 01 Apr 2018 01:04

Tot Ion:168 Resp: 116975

Ion Ratio Lower Upper

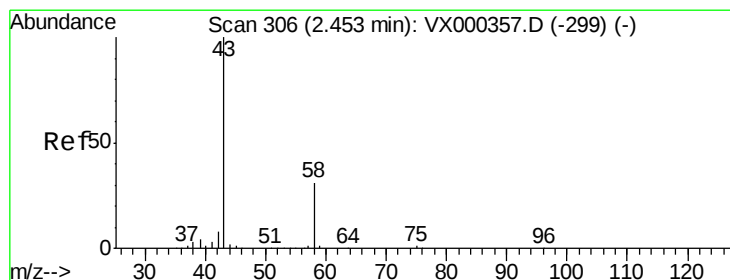
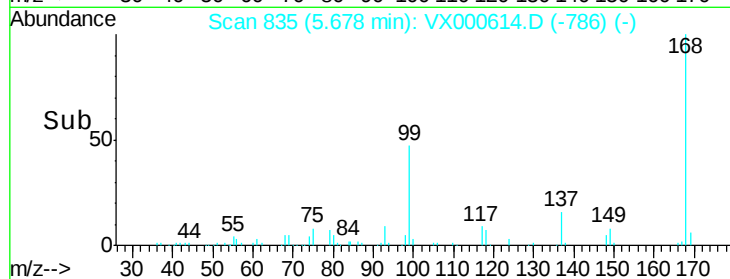
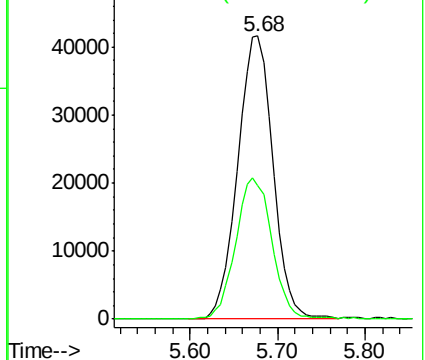
168 100

99 47.4 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: 41.49 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000614.D

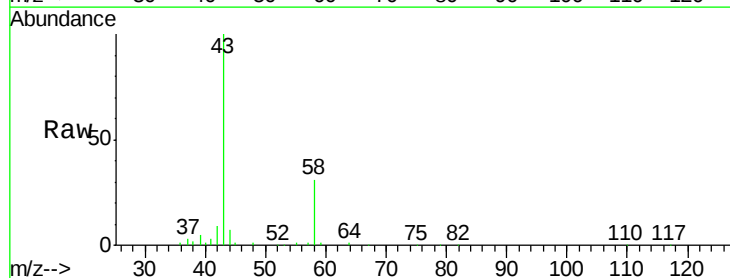
Acq: 01 Apr 2018 01:04

Tgt Ion: 43 Resp: 52702

Ion Ratio Lower Upper

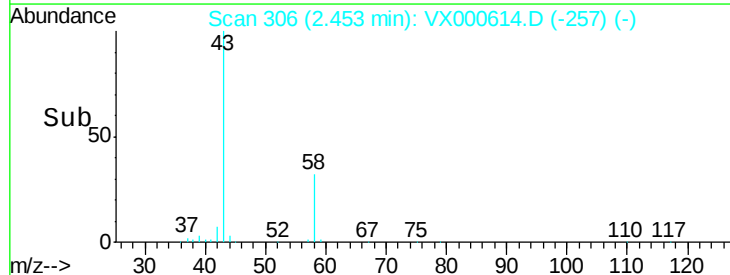
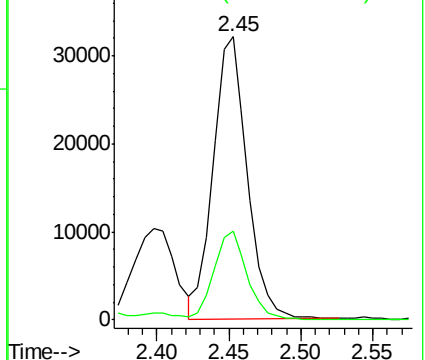
43 100

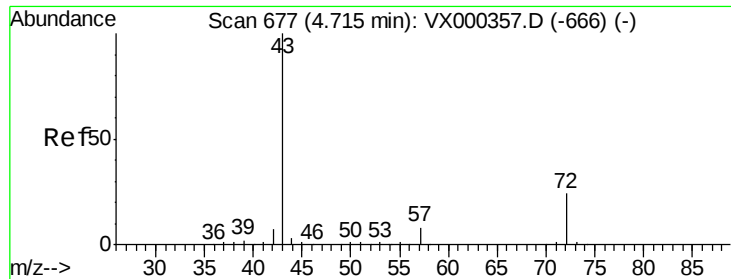
58 31.5 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 12.03 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000614.D

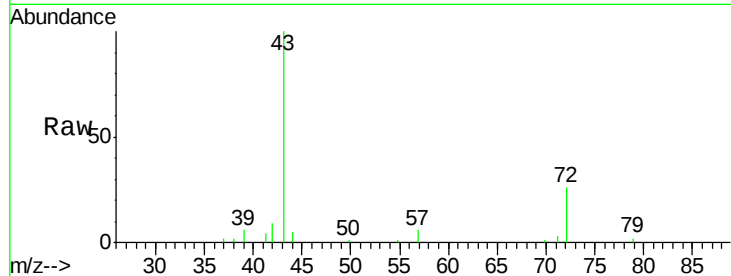
Acq: 01 Apr 2018 01:04

Tot Ion: 43 Resp: 17171

Ion Ratio Lower Upper

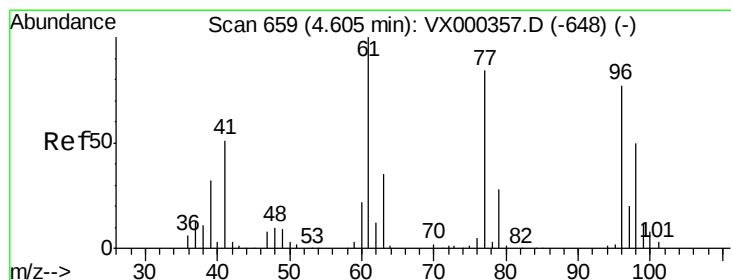
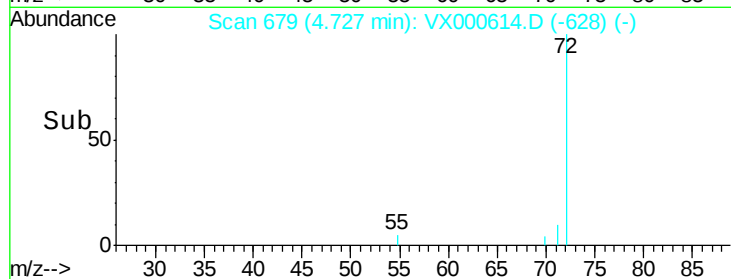
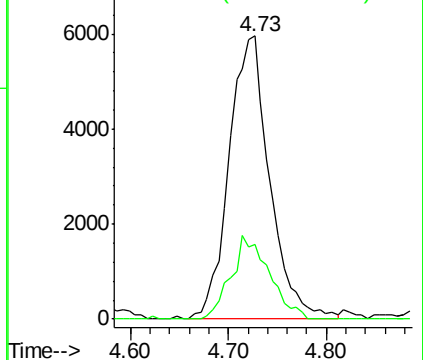
43 100

72 26.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.09 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000614.D

Acq: 01 Apr 2018 01:04

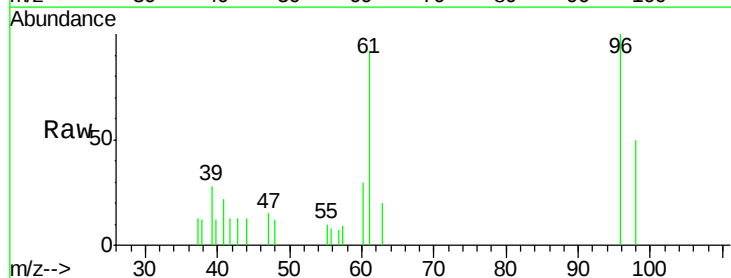
Tgt Ion: 96 Resp: 1443

Ion Ratio Lower Upper

96 100

61 138.7 0.0 291.6

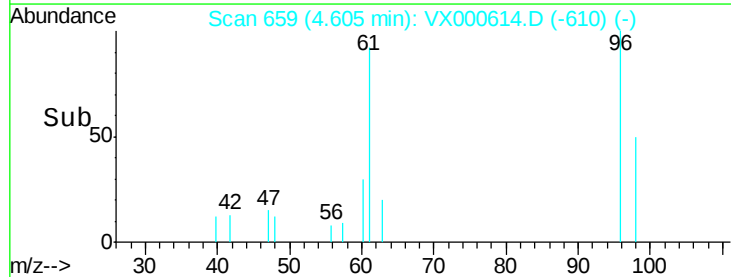
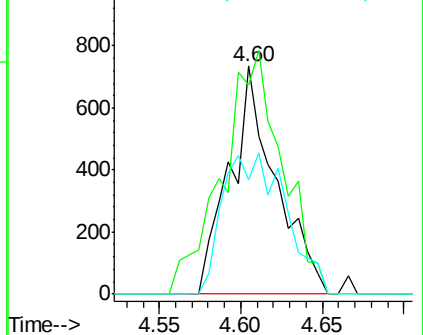
98 84.5 0.0 132.0

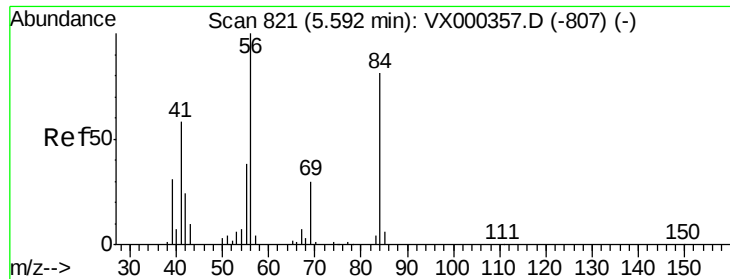


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

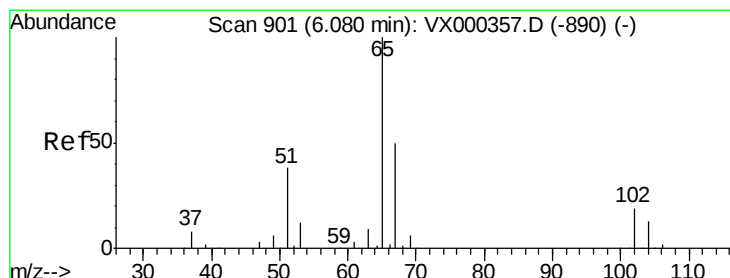
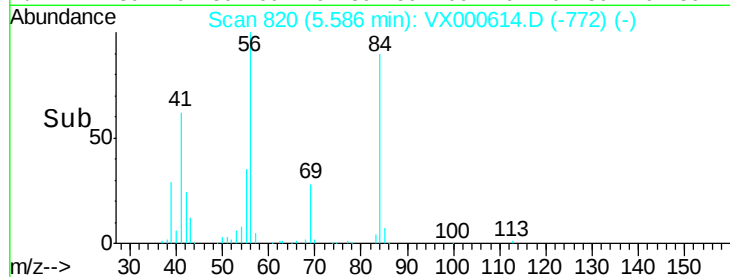
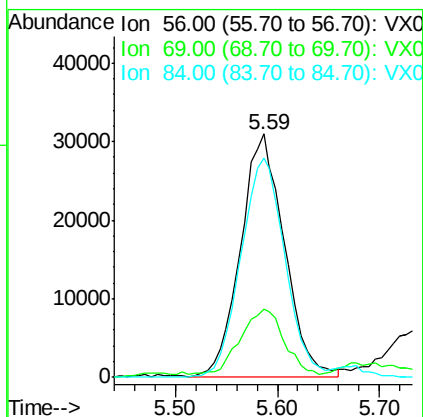
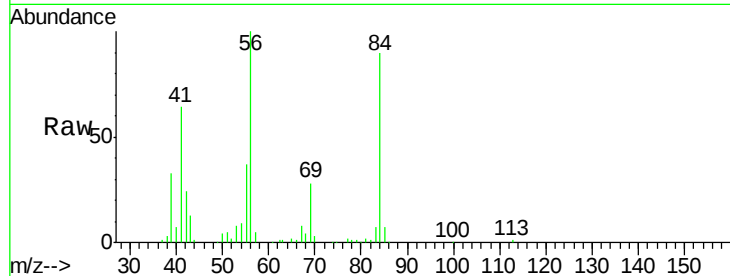
Ion 97.90 (97.60 to 98.60): VX0





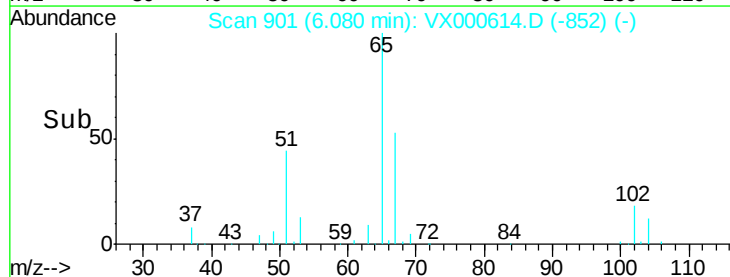
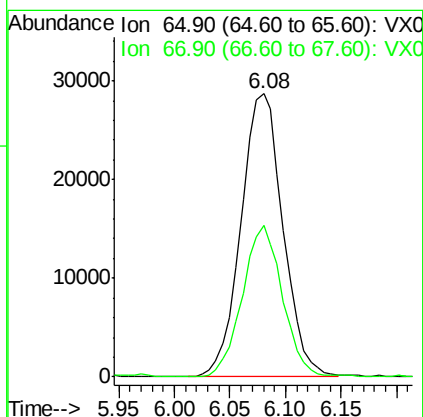
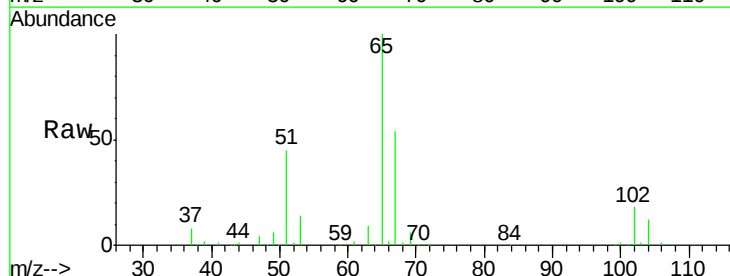
#31
Cyclohexane
Concen: 47.74 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.01 min
Lab File: VX000614.D
Acq: 01 Apr 2018 01:04

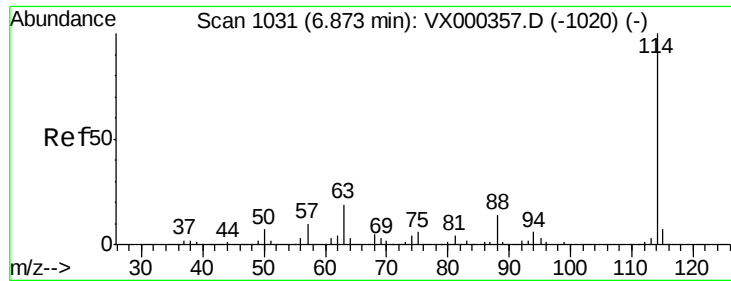
Tot Ion: 56 Resp: 91960
Ion Ratio Lower Upper
56 100
69 26.7 23.4 35.0
84 90.2 71.0 106.4



#33
1,2-Dichloroethane-d4
Concen: 49.33 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000614.D
Acq: 01 Apr 2018 01:04

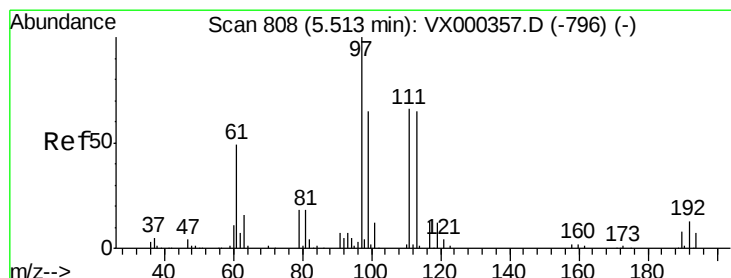
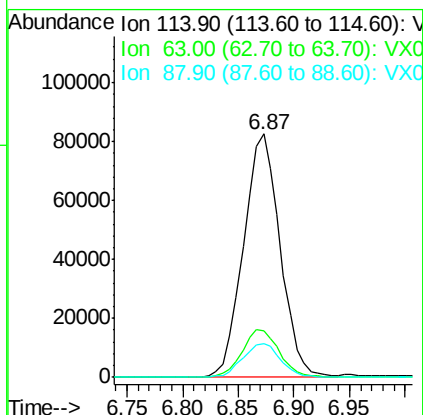
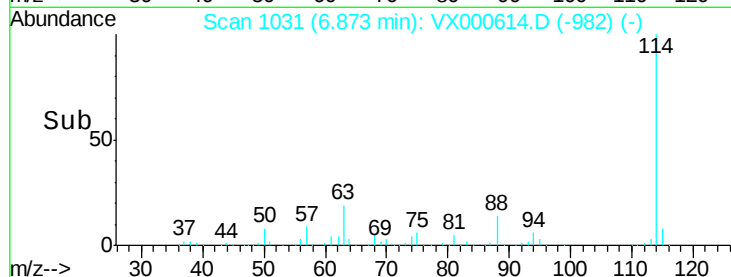
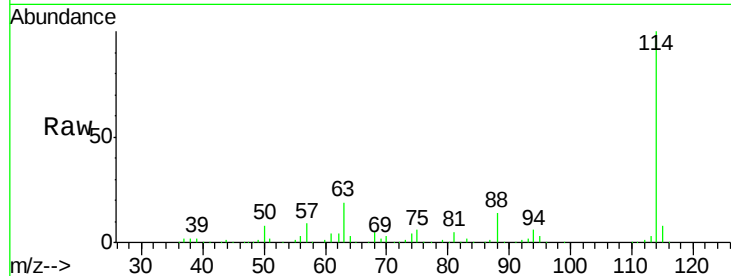
Tgt Ion: 65 Resp: 75316
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.2





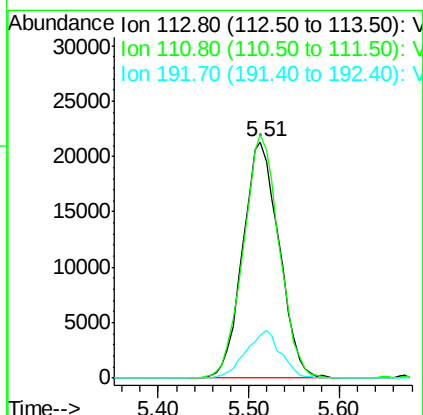
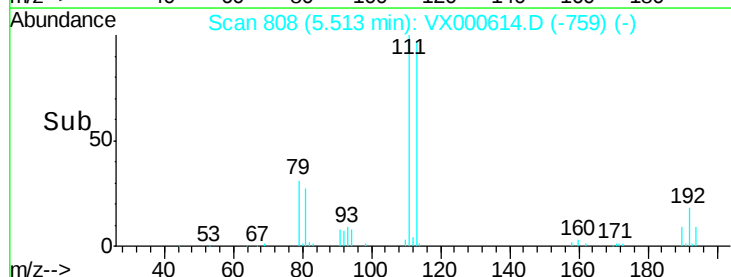
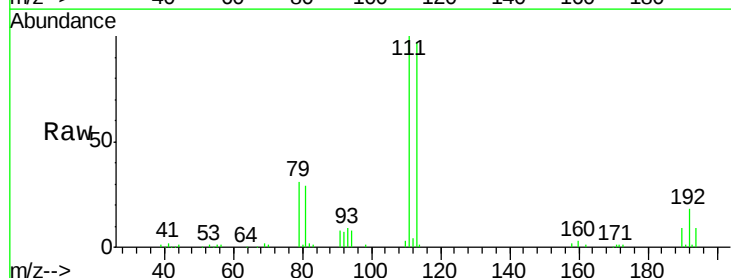
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VX000614.D
Acq: 01 Apr 2018 01:04

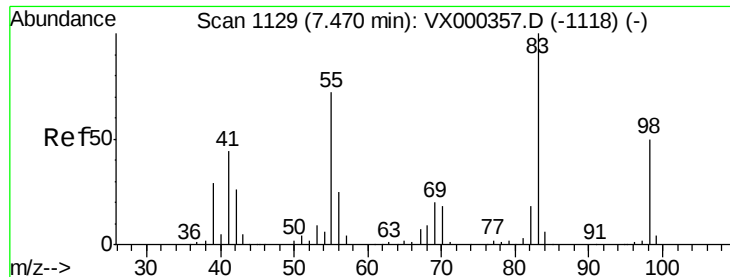
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	13.6	0.0	27.0



#35
Dibromofluoromethane
Concen: 49.55 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000614.D
Acq: 01 Apr 2018 01:04

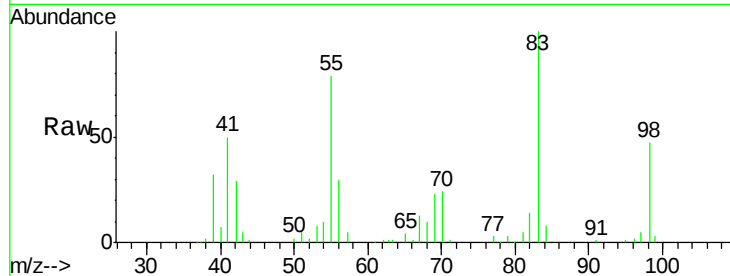
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.4	123.6
192	19.4	15.8	23.6



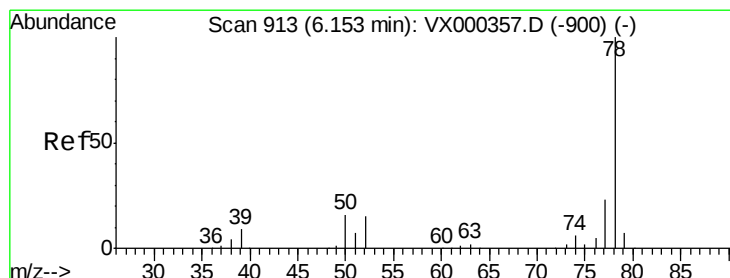
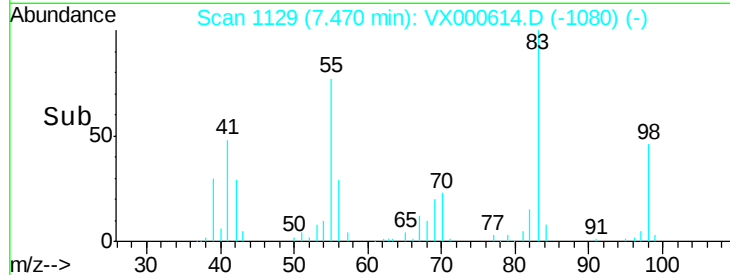
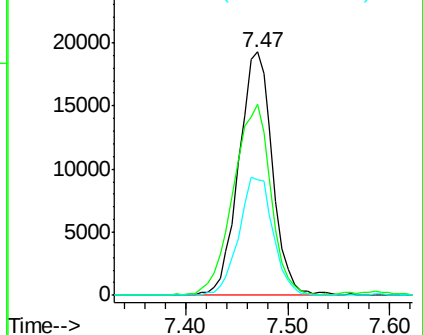


#39
Methvlcvclohexane
Concen: 20.50 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000614.D
Acq: 01 Apr 2018 01:04

Tot Ion: 83 Resp: 44281
Ion Ratio Lower Upper
83 100
55 78.2 55.5 83.3
98 47.4 38.2 57.4

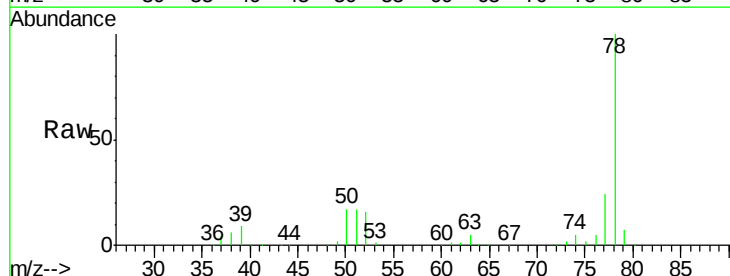


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

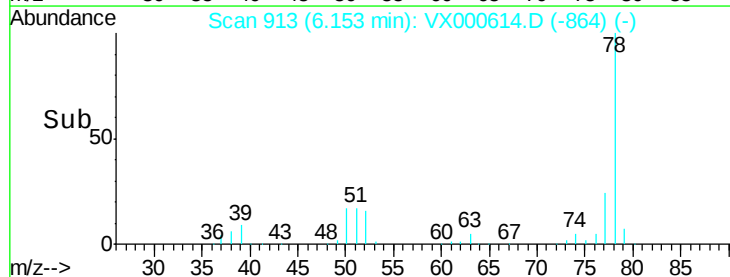
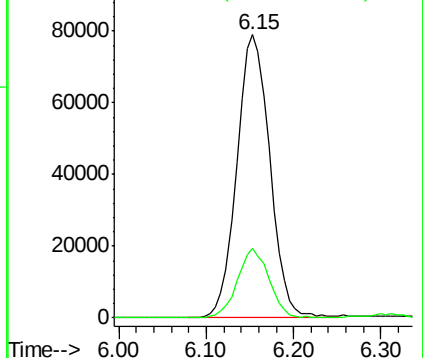


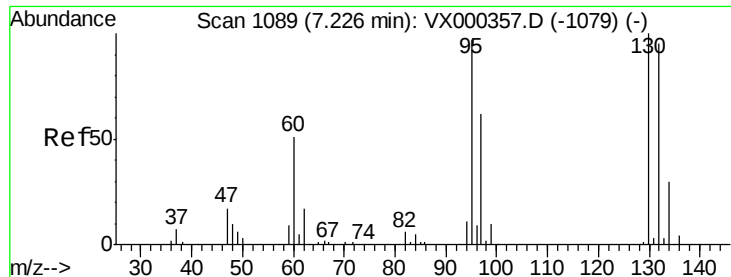
#40
Benzene
Concen: 40.27 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000614.D
Acq: 01 Apr 2018 01:04

Tgt Ion: 78 Resp: 207673
Ion Ratio Lower Upper
78 100
77 24.4 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#44

Trichloroethene

Concen: 1.70 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VX000614.D

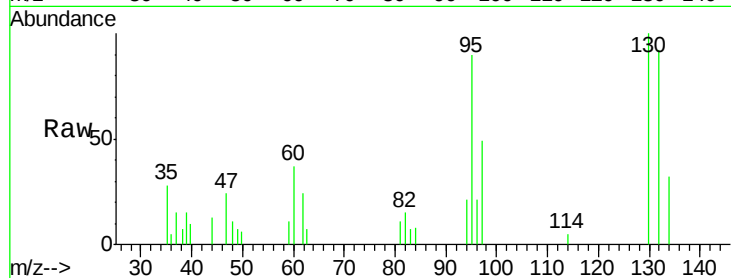
Acq: 01 Apr 2018 01:04

Tot Ion:130 Resp: 2518

Ion Ratio Lower Upper

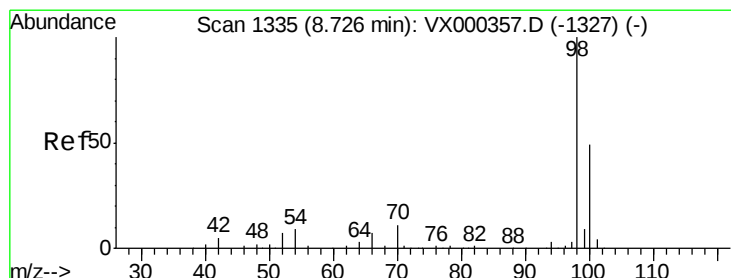
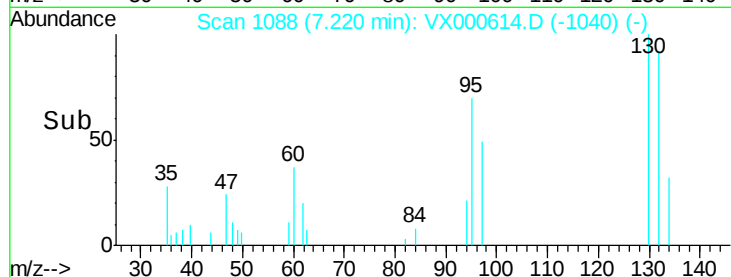
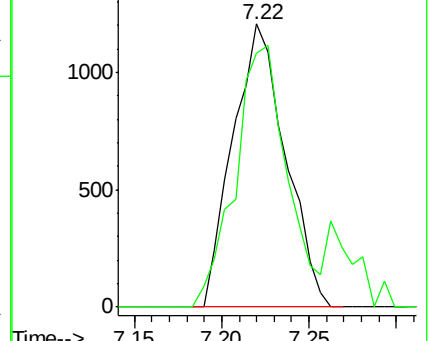
130 100

95 89.6 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.07 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000614.D

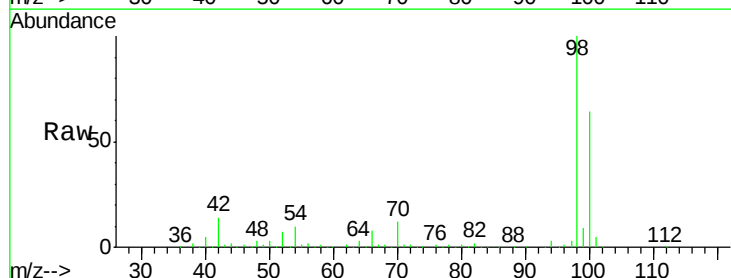
Acq: 01 Apr 2018 01:04

Tgt Ion: 98 Resp: 242791

Ion Ratio Lower Upper

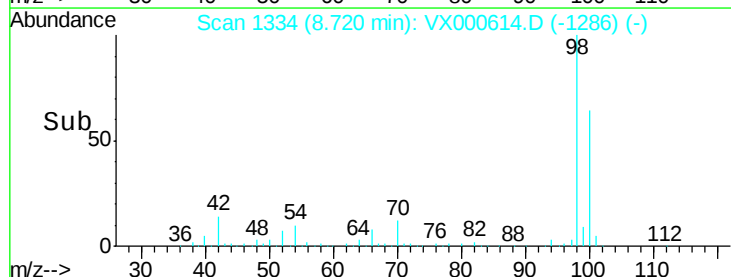
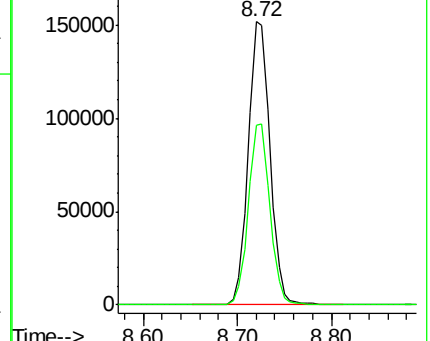
98 100

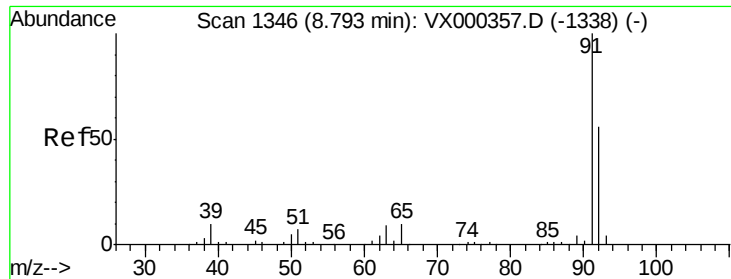
100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 19.58 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000614.D

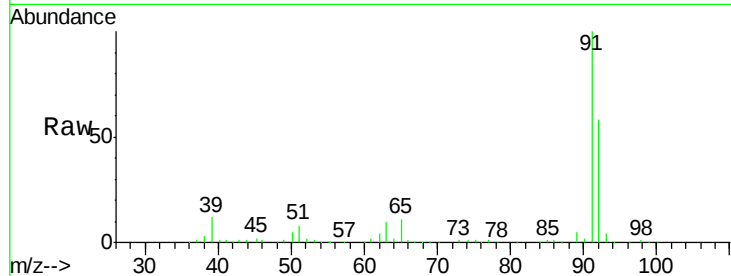
Acq: 01 Apr 2018 01:04

Tot Ion: 92 Resp: 70599

Ion Ratio Lower Upper

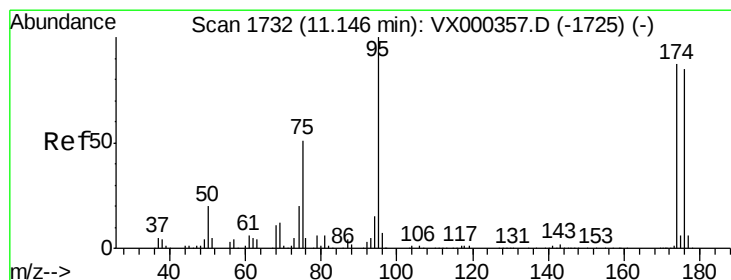
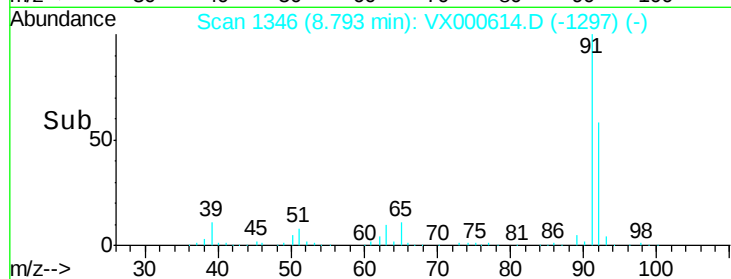
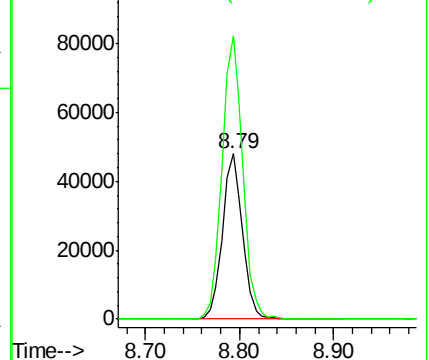
92 100

91 177.4 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.27 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000614.D

Acq: 01 Apr 2018 01:04

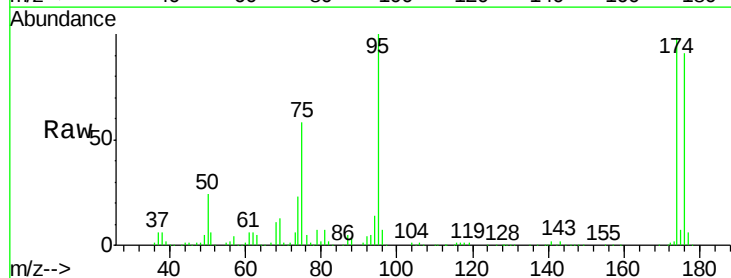
Tgt Ion: 95 Resp: 90873

Ion Ratio Lower Upper

95 100

174 92.4 0.0 173.6

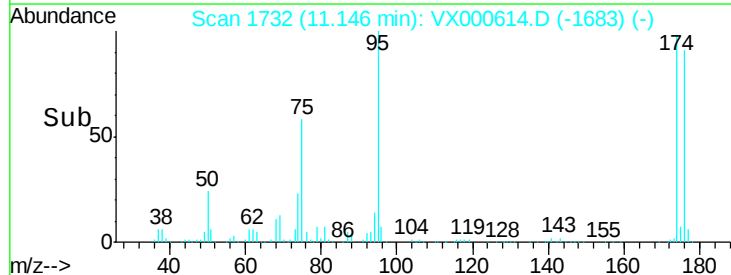
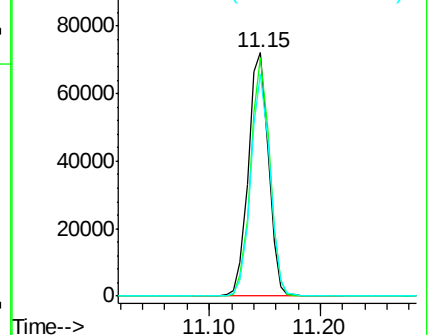
176 86.5 0.0 164.6

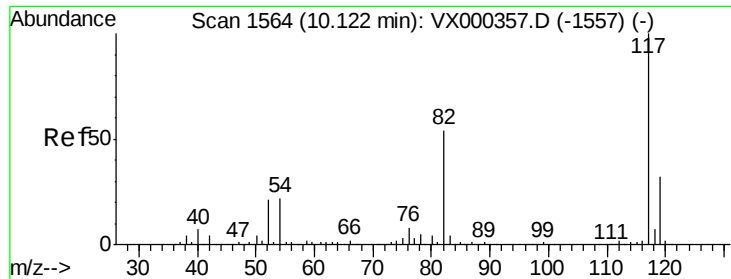


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

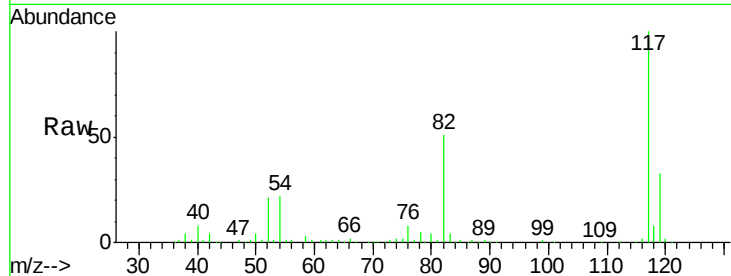
Ion 175.80 (175.50 to 176.50): V



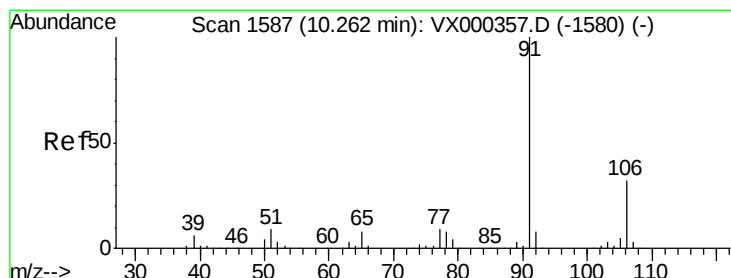
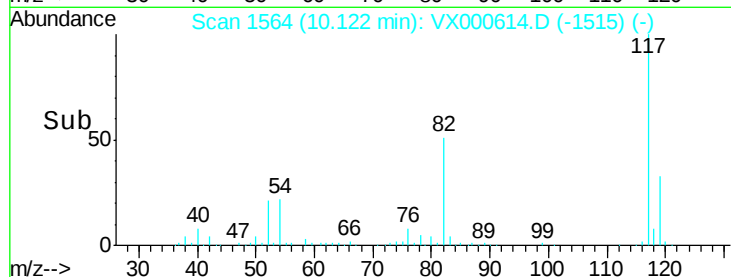
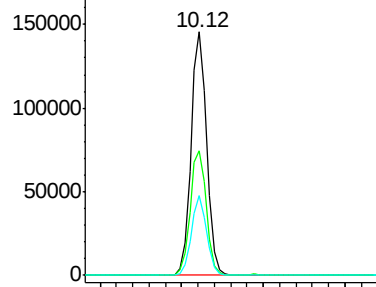


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000614.D
Acq: 01 Apr 2018 01:04

Tot Ion:117 Resp: 195187
Ion Ratio Lower Upper
117 100
82 51.1 43.8 65.8
119 32.8 24.9 37.3

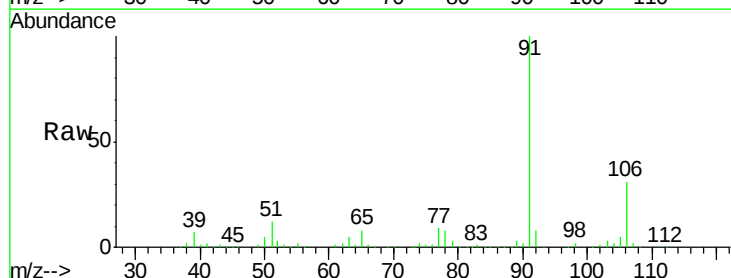


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

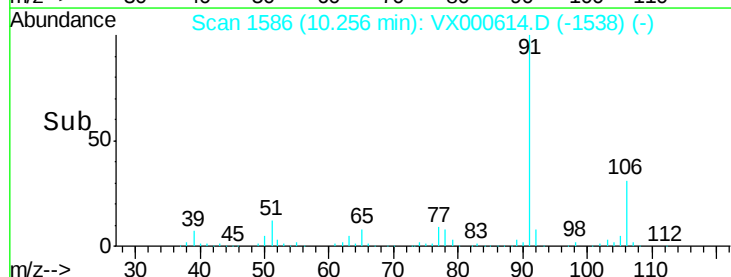
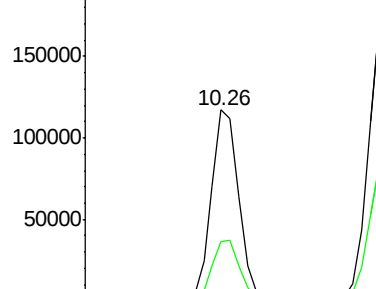


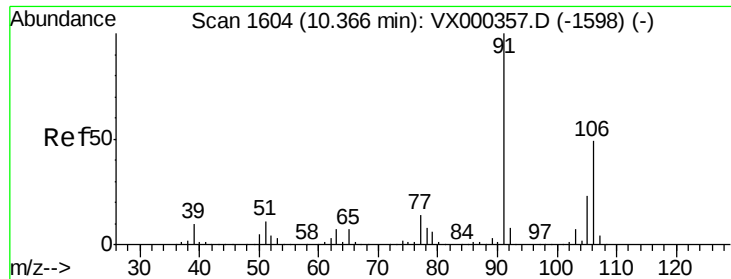
#67
Ethyl Benzene
Concen: 20.99 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000614.D
Acq: 01 Apr 2018 01:04

Tgt Ion: 91 Resp: 154552
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



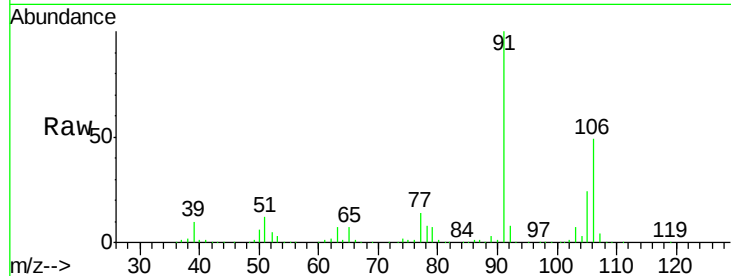
Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V



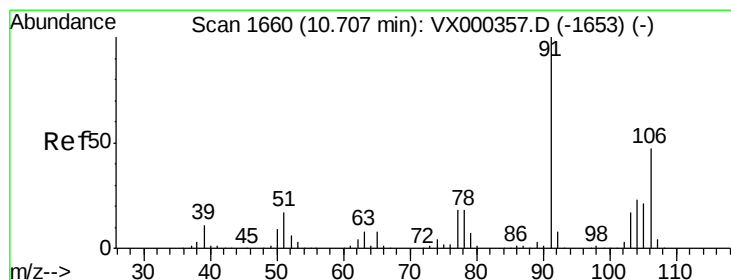
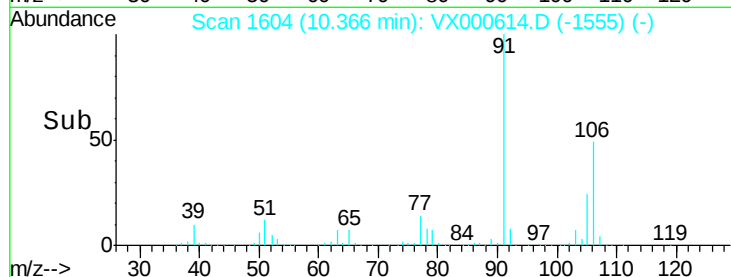
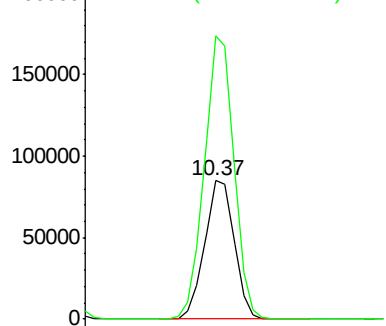


#68
m/p-Xvlenes
Concen: 39.25 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000614.D
Acq: 01 Apr 2018 01:04

Tot Ion:106 Resp: 113740
Ion Ratio Lower Upper
106 100
91 203.5 163.4 245.2

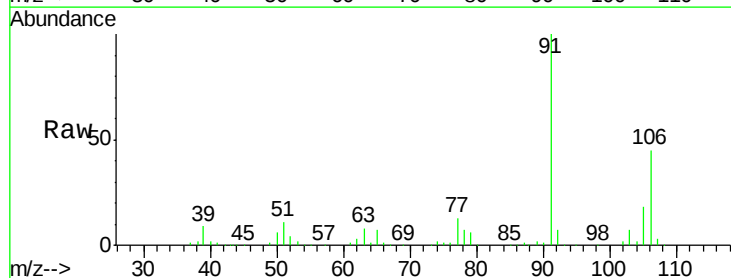


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

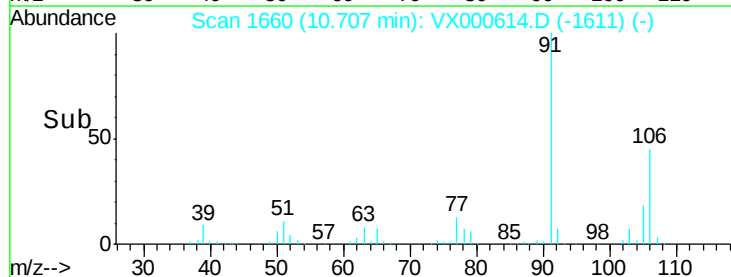
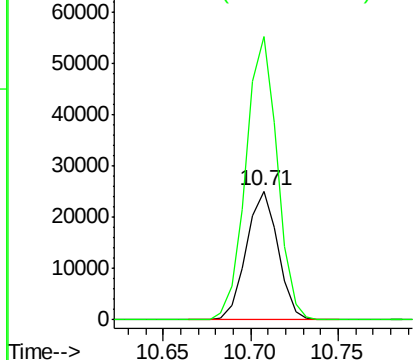


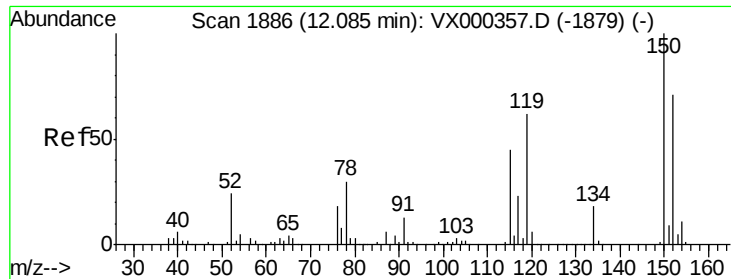
#69
o-Xylene
Concen: 11.31 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000614.D
Acq: 01 Apr 2018 01:04

Tgt Ion:106 Resp: 31730
Ion Ratio Lower Upper
106 100
91 217.4 106.5 319.6



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. -0.00 min

Lab File: VX000614.D

Acq: 01 Apr 2018 01:04

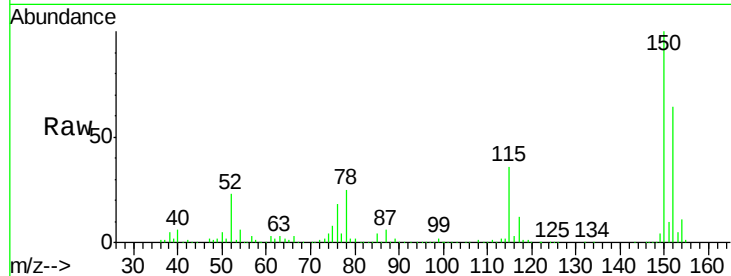
Tot Ion:152 Resp: 112386

Ion Ratio Lower Upper

152 100

115 55.6 39.8 119.3

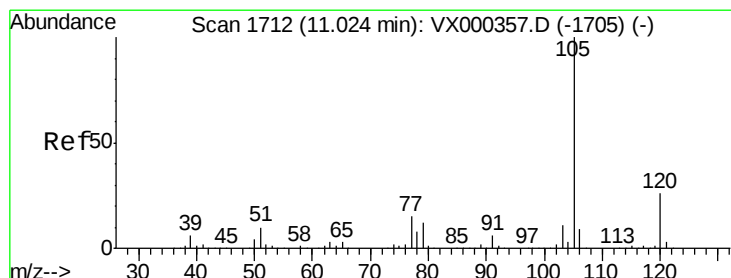
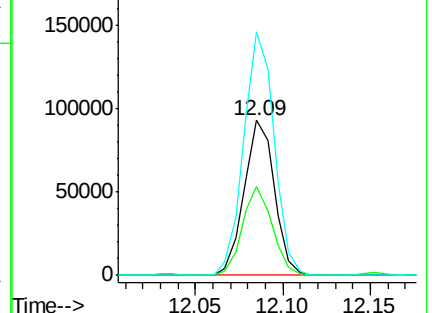
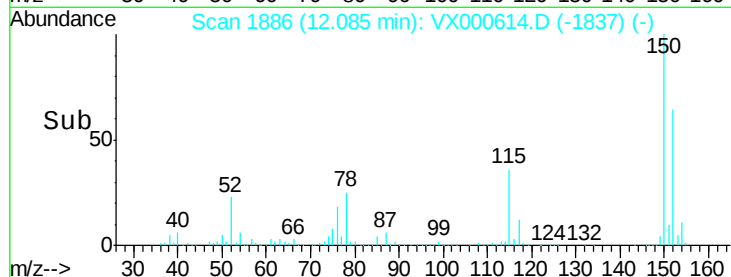
150 157.6 0.0 344.4



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



#73

Isopropylbenzene

Concen: 9.99 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000614.D

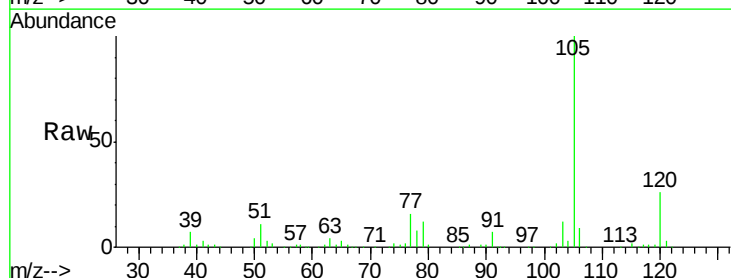
Acq: 01 Apr 2018 01:04

Tgt Ion:105 Resp: 74393

Ion Ratio Lower Upper

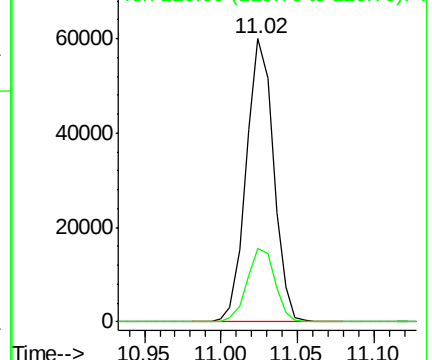
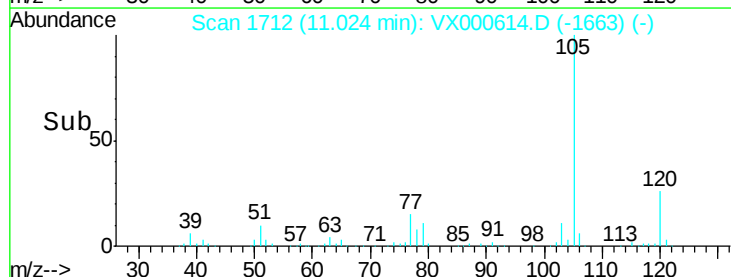
105 100

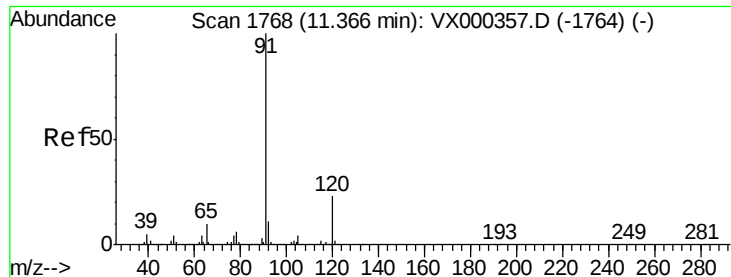
120 26.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.94 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000614.D

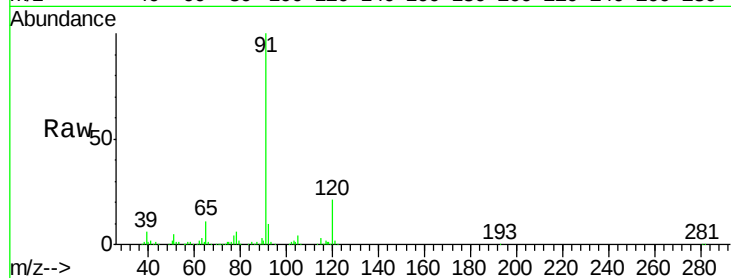
Acq: 01 Apr 2018 01:04

Tot Ion: 91 Resp: 79400

Ion Ratio Lower Upper

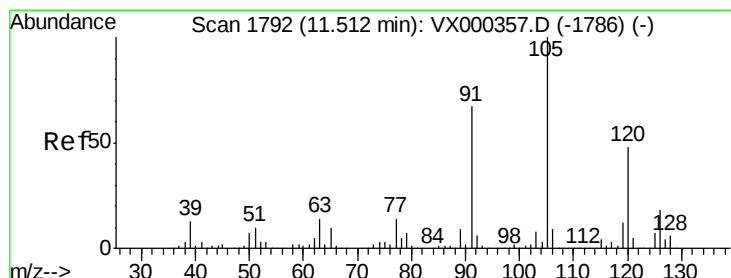
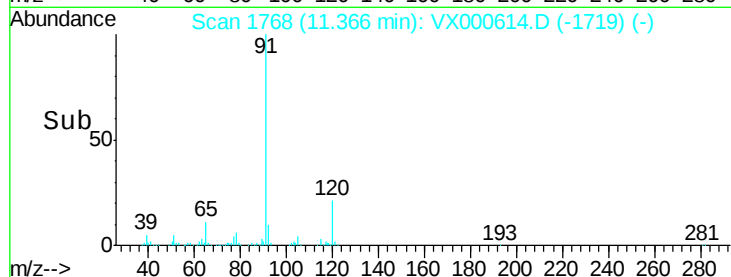
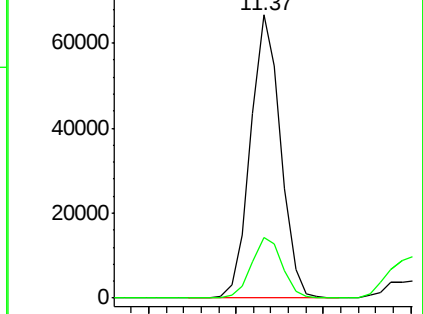
91 100

120 21.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1764) (-)

Ion 120.00 (119.70 to 120.70): VX000357.D (-1764) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.36 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000614.D

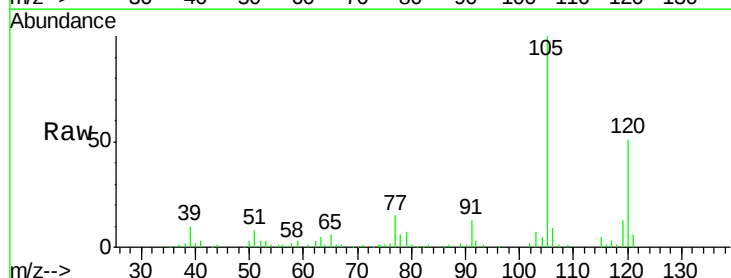
Acq: 01 Apr 2018 01:04

Tgt Ion: 105 Resp: 21029

Ion Ratio Lower Upper

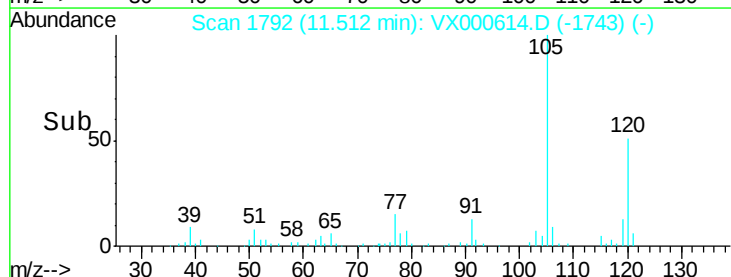
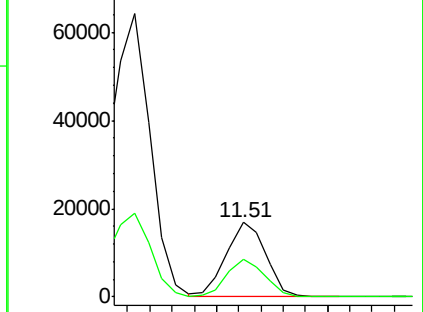
105 100

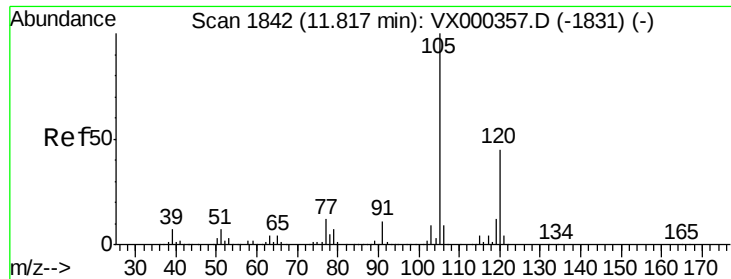
120 48.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000357.D (-1786) (-)

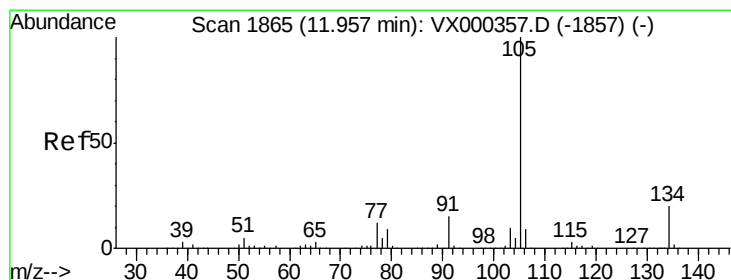
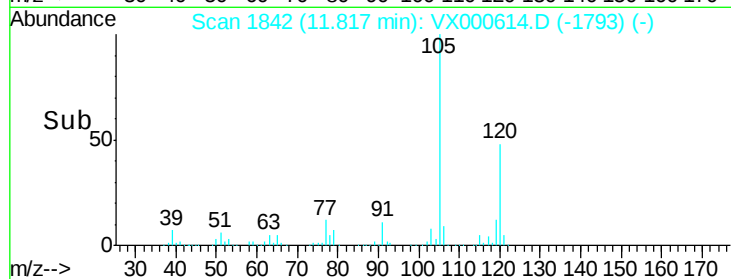
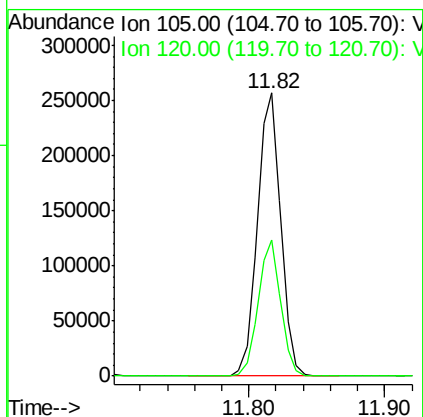
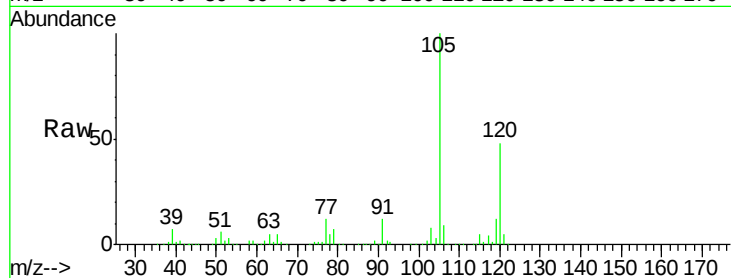
Ion 120.00 (119.70 to 120.70): VX000357.D (-1786) (-)





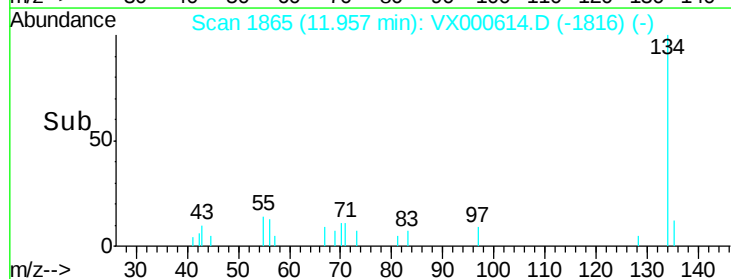
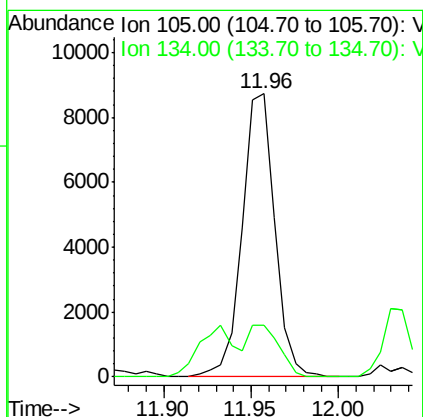
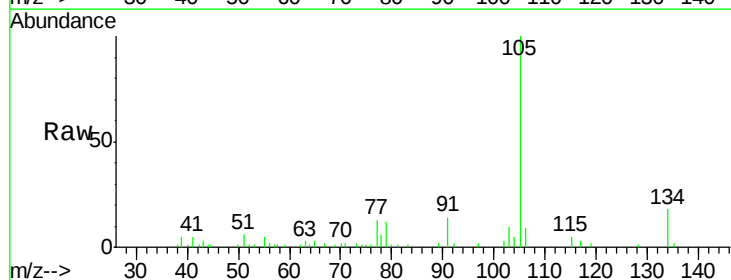
#84
 1,2,4-Trimethylbenzene
 Concen: 47.24 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000614.D
 Acq: 01 Apr 2018 01:04

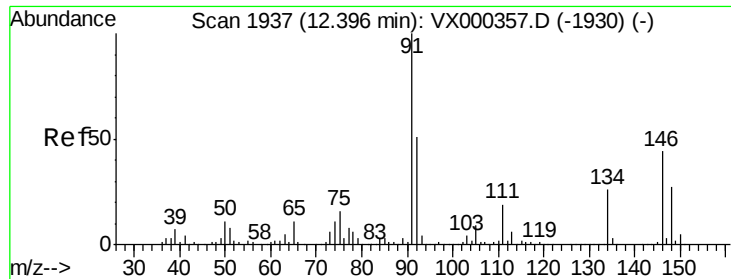
Tot Ion:105 Resp: 310079
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 1.45 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VX000614.D
 Acq: 01 Apr 2018 01:04

Tgt Ion:105 Resp: 11332
 Ion Ratio Lower Upper
 105 100
 134 16.8 10.3 30.8





#89

n-Butylbenzene

Concen: 2.82 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000614.D

Acq: 01 Apr 2018 01:04

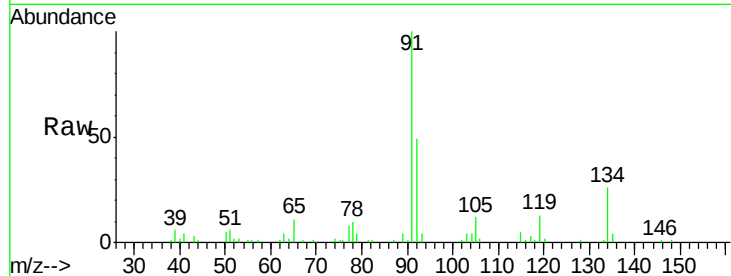
Tot Ion: 91 Resp: 18225

Ion Ratio Lower Upper

91 100

92 41.5 25.9 77.8

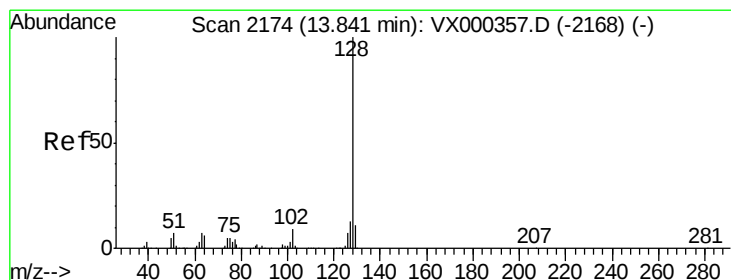
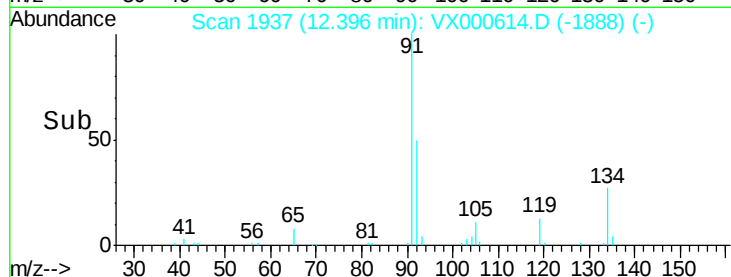
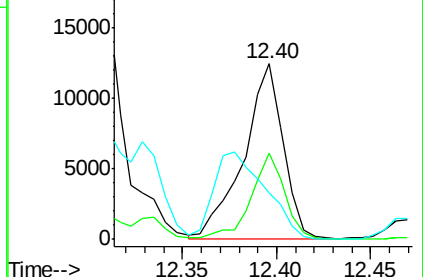
134 64.8 13.1 39.3#



Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1930) (-)

Ion 92.00 (91.70 to 92.70): VX000357.D (-1930) (-)

Ion 134.00 (133.70 to 134.70): VX000357.D (-1930) (-)



#95

Naphthalene

Concen: 72.86 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000614.D

Acq: 01 Apr 2018 01:04

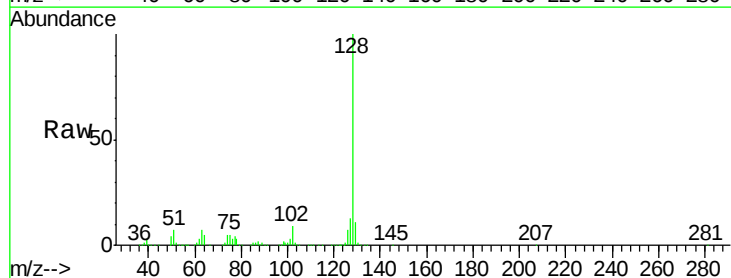
Tgt Ion: 128 Resp: 669044

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX000357.D (-2168) (-)

Ion 127.00 (126.70 to 127.70): VX000357.D (-2168) (-)

Ion 129.00 (128.70 to 129.70): VX000357.D (-2168) (-)

