

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000624.D
 Acq On : 01 Apr 2018 05:20
 Operator : JC/MD
 Sample : J2132-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Quant Time: Apr 02 07:48:18 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	137786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	229902	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	228327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	147056	50.00	ug/l	0.00

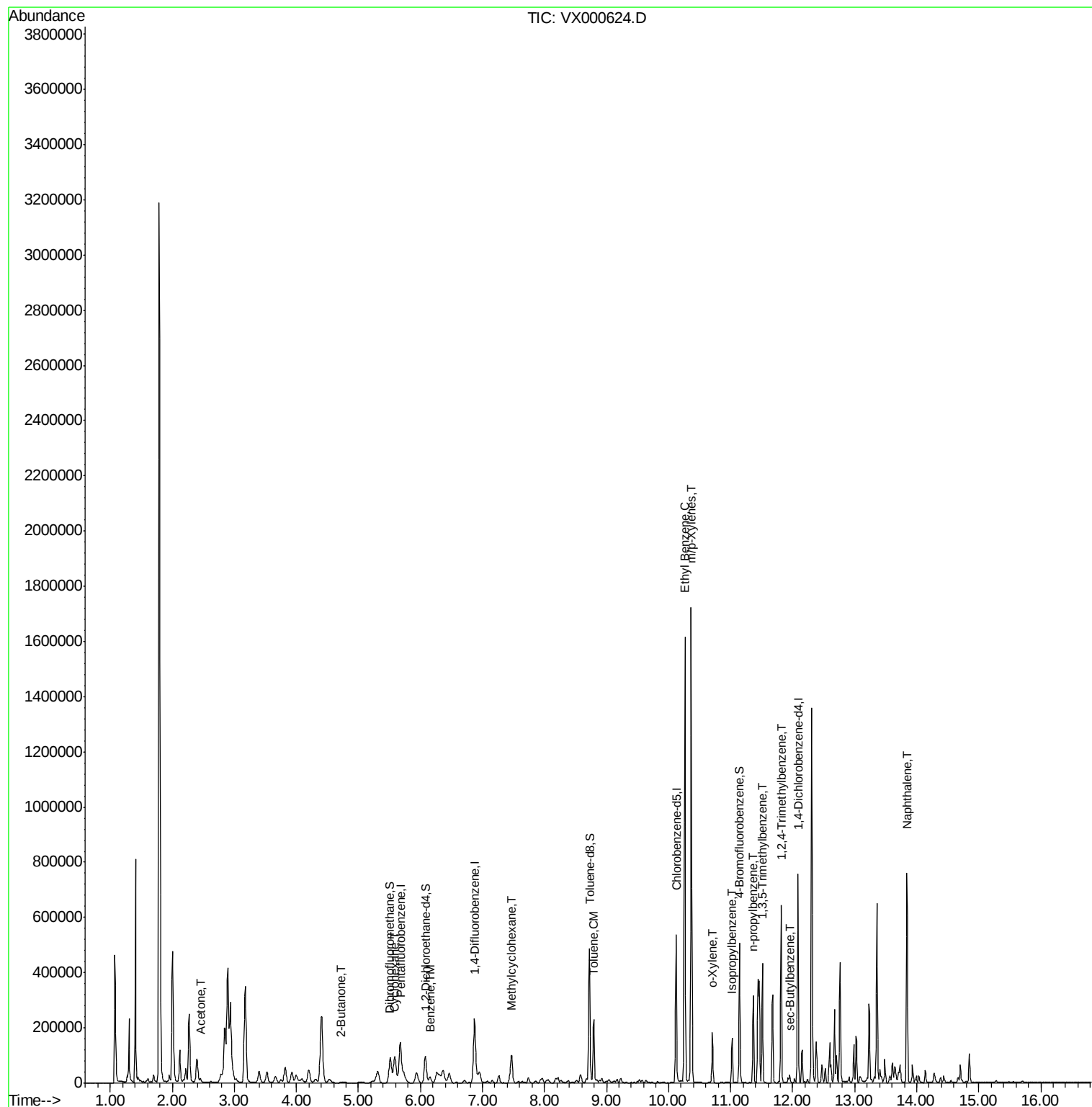
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	89756	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
35) Dibromofluoromethane	5.51	113	68103	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
50) Toluene-d8	8.73	98	294970	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.15	95	117123	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

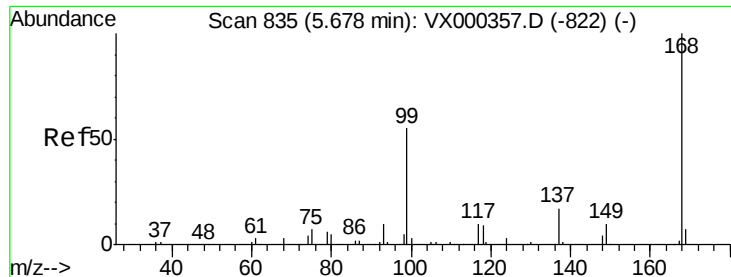
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	13380	8.94	ug/l	97
25) 2-Butanone	4.72	43	7240	4.31	ug/l	# 87
31) Cyclohexane	5.59	56	62478	27.53	ug/l	96
39) Methylcyclohexane	7.46	83	42268	16.14	ug/l	92
40) Benzene	6.15	78	25620	4.10	ug/l	98
52) Toluene	8.79	92	81089	18.55	ug/l	99
67) Ethyl Benzene	10.26	91	939160	109.03	ug/l	98
68) m/p-Xylenes	10.37	106	390366	115.17	ug/l	96
69) o-Xylene	10.71	106	38020	11.58	ug/l	98
73) Isopropylbenzene	11.02	105	80577	8.27	ug/l	99
78) n-propylbenzene	11.37	91	185949	16.01	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	175831	21.46	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	279099	32.49	ug/l	100
85) sec-Butylbenzene	11.95	105	14348	1.40	ug/l	99
95) Naphthalene	13.84	128	452766	37.68	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: VX000624.D

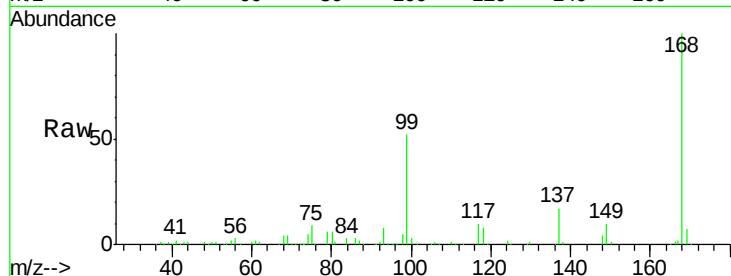
Acq: 01 Apr 2018 05:20

Tot Ion:168 Resp: 137786

Ion Ratio Lower Upper

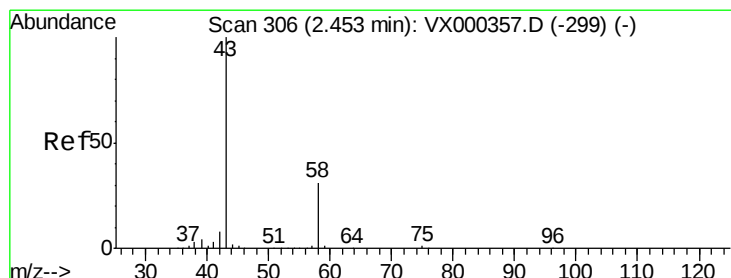
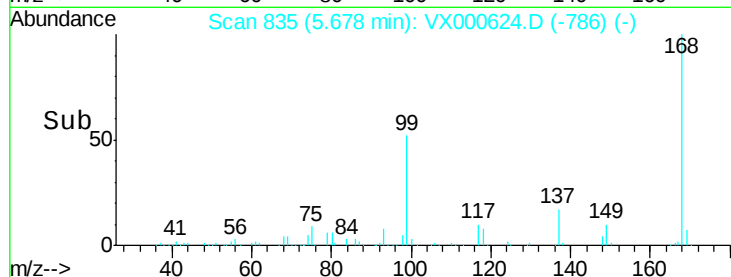
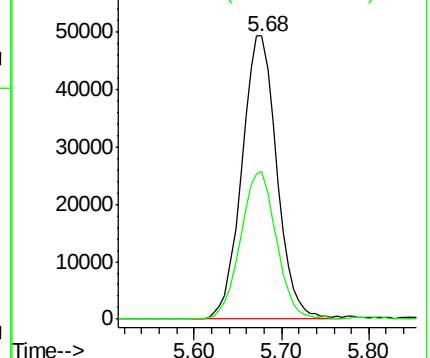
168 100

99 52.1 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: 8.94 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000624.D

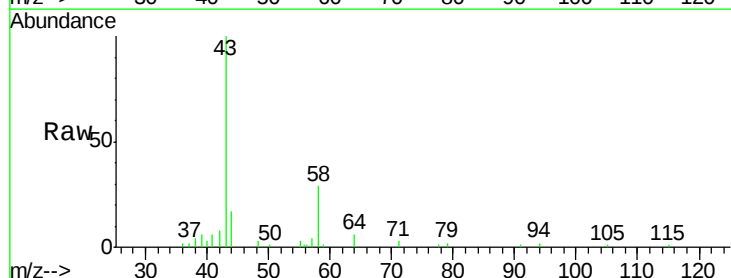
Acq: 01 Apr 2018 05:20

Tgt Ion: 43 Resp: 13380

Ion Ratio Lower Upper

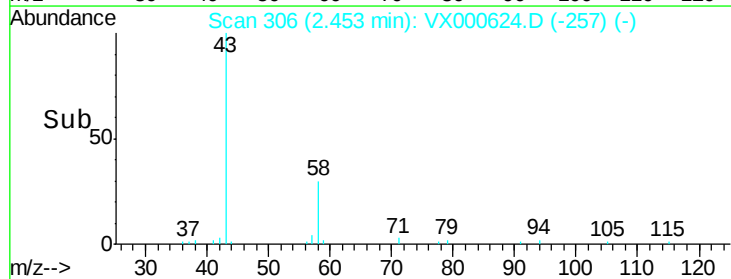
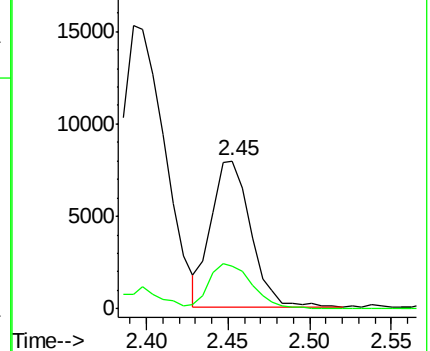
43 100

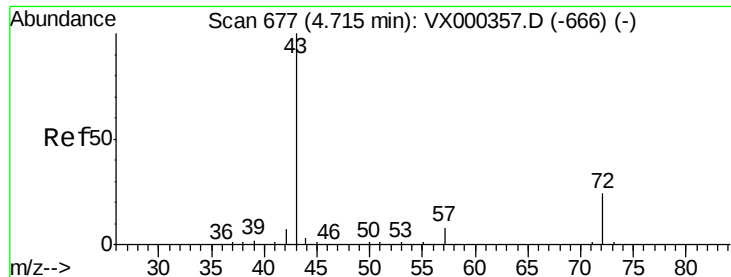
58 29.1 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 4.31 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000624.D

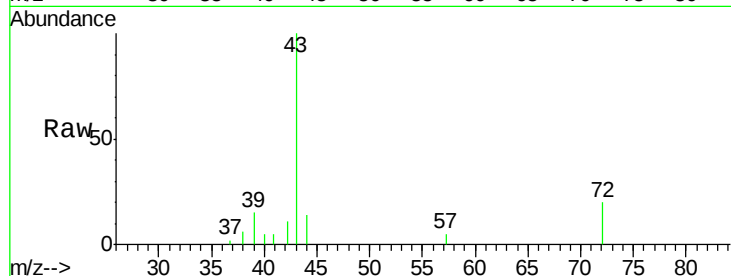
Acq: 01 Apr 2018 05:20

Tot Ion: 43 Resp: 7240

Ion Ratio Lower Upper

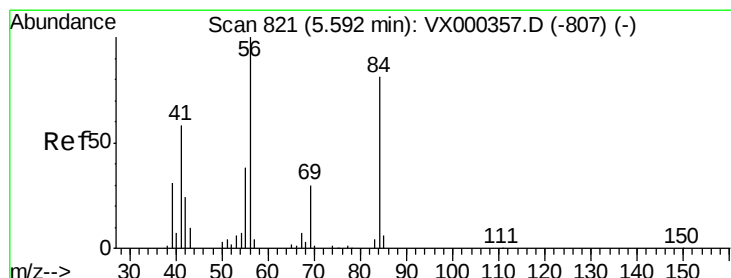
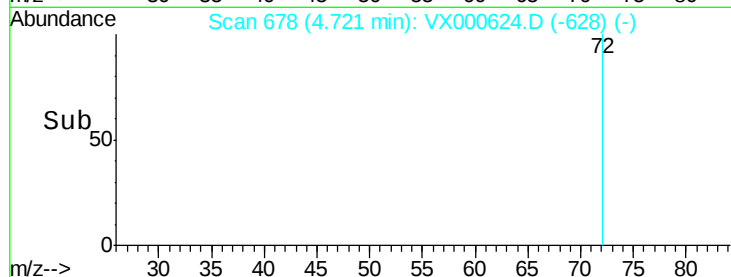
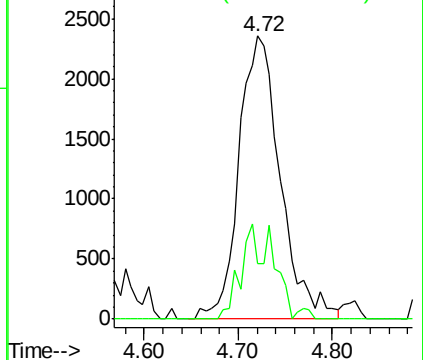
43 100

72 19.6 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 27.53 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.01 min

Lab File: VX000624.D

Acq: 01 Apr 2018 05:20

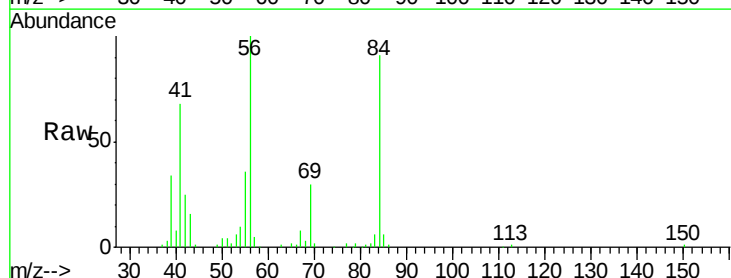
Tgt Ion: 56 Resp: 62478

Ion Ratio Lower Upper

56 100

69 25.4 23.4 35.0

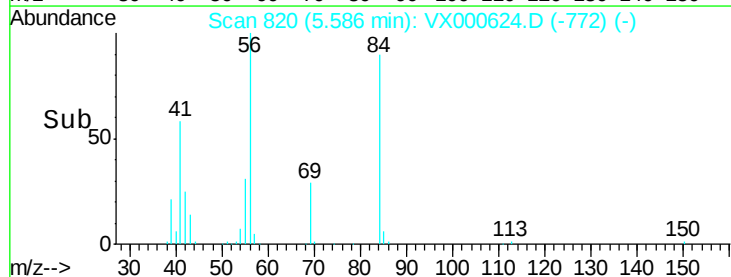
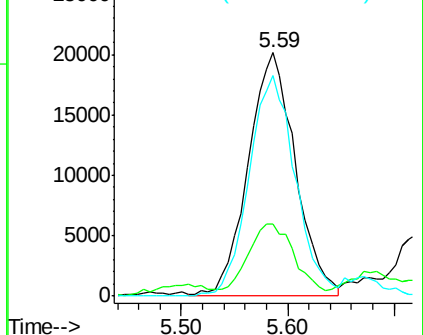
84 91.3 71.0 106.4

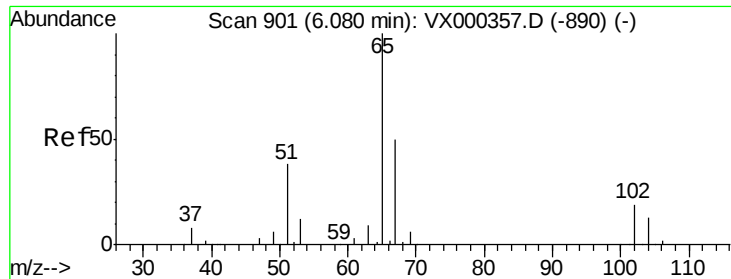


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.90 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000624.D

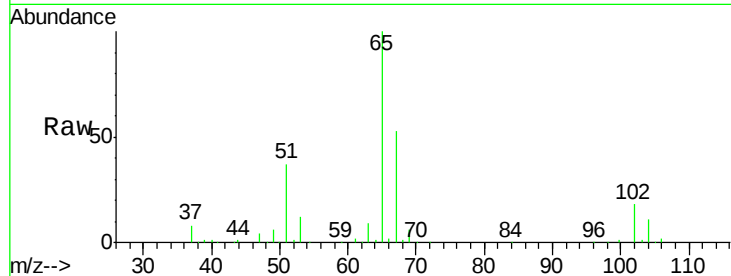
Acq: 01 Apr 2018 05:20

Tot Ion: 65 Resp: 89756

Ion Ratio Lower Upper

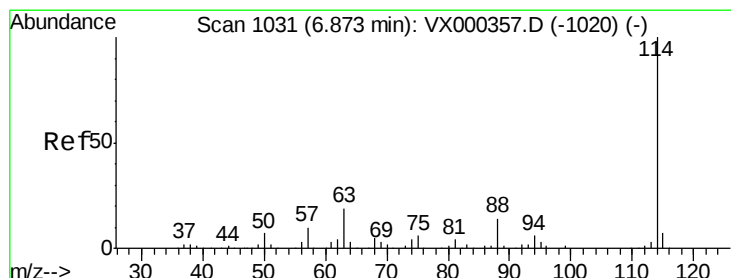
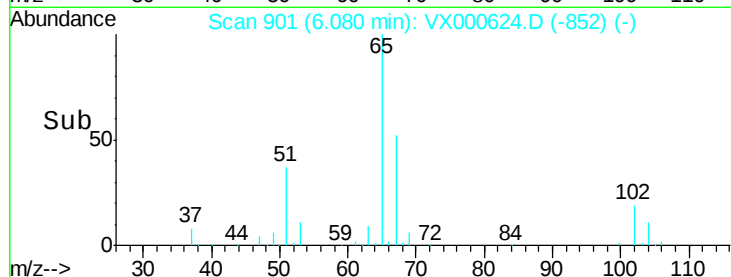
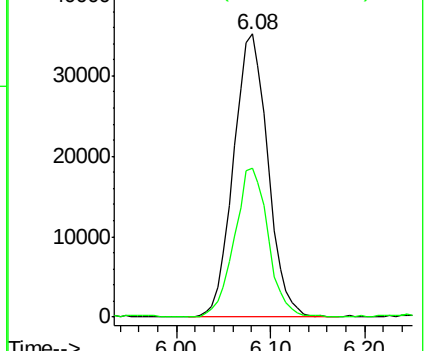
65 100

67 51.8 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: VX000624.D

Acq: 01 Apr 2018 05:20

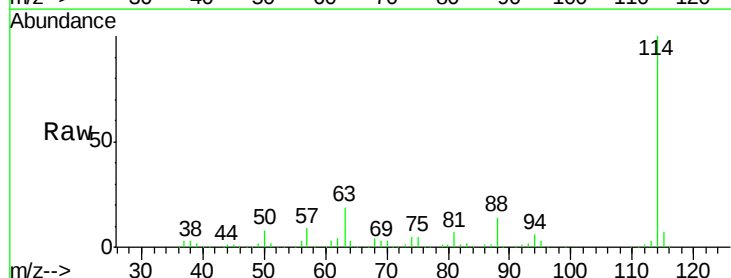
Tgt Ion: 114 Resp: 229902

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

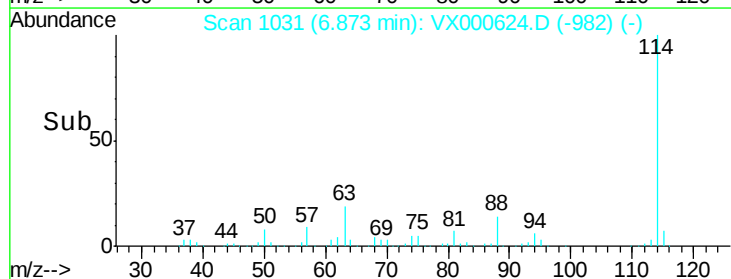
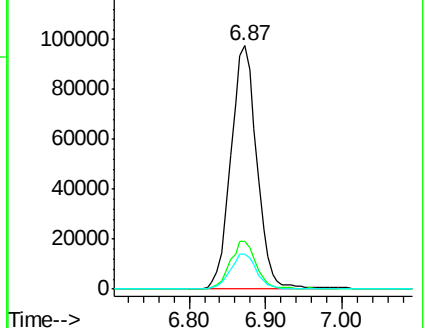
88 14.5 0.0 27.0

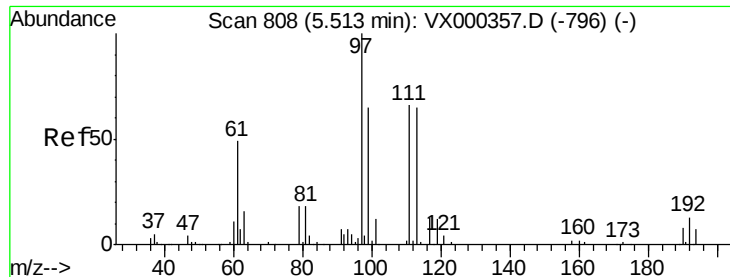


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

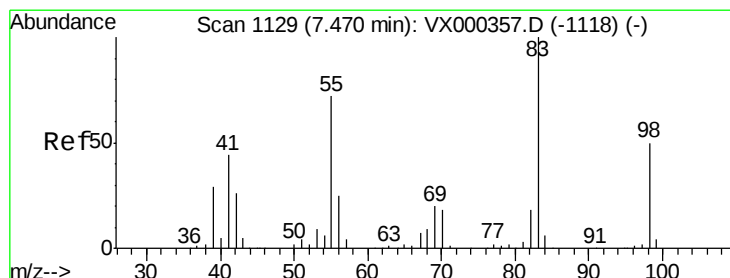
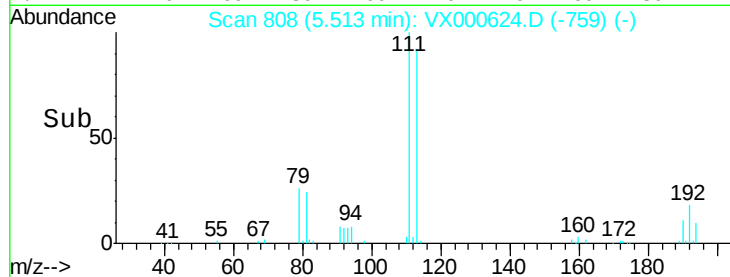
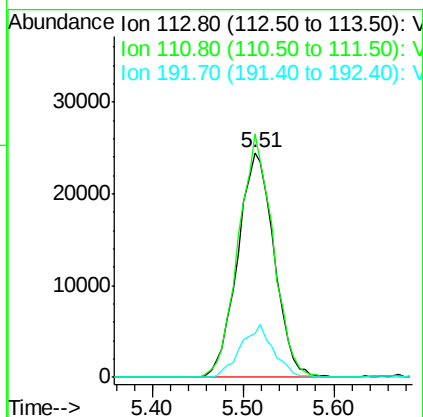
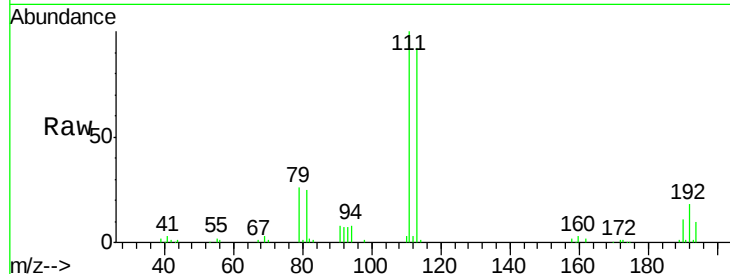
Ion 87.90 (87.60 to 88.60): VX0





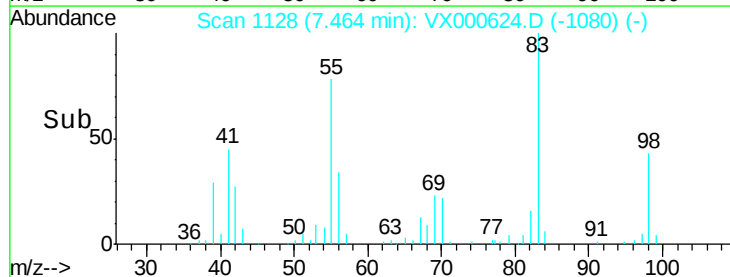
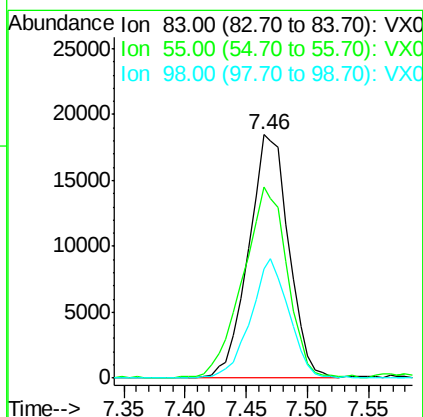
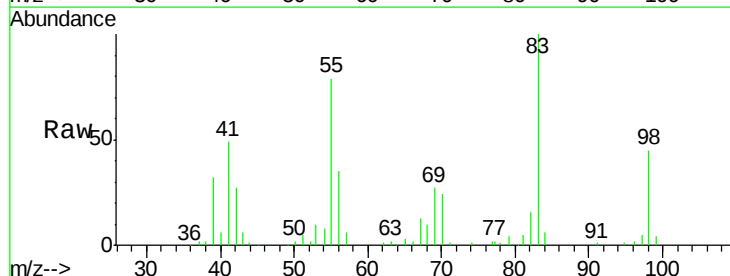
#35
Dibromofluoromethane
Concen: 47.01 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000624.D
Acq: 01 Apr 2018 05:20

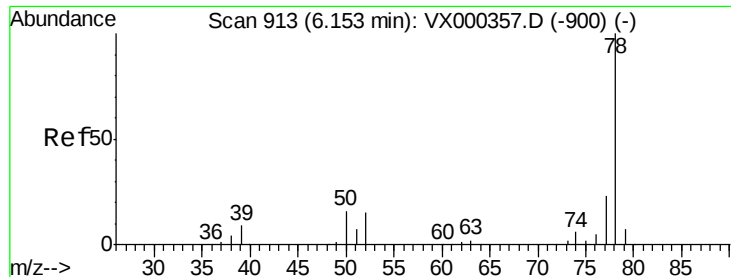
Tot Ion:113 Resp: 68103
Ion Ratio Lower Upper
113 100
111 103.4 82.4 123.6
192 21.1 15.8 23.6



#39
Methylcyclohexane
Concen: 16.14 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX000624.D
Acq: 01 Apr 2018 05:20

Tgt Ion: 83 Resp: 42268
Ion Ratio Lower Upper
83 100
55 78.0 55.5 83.3
98 45.0 38.2 57.4





#40

Benzene

Concen: 4.10 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX000624.D

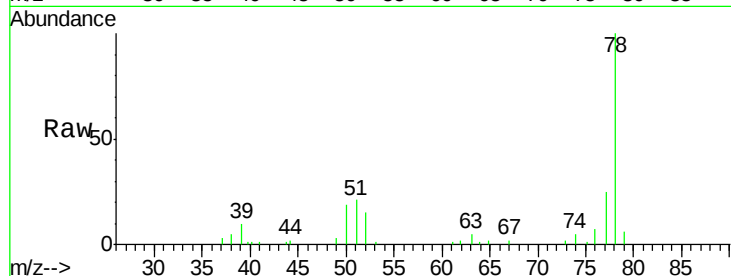
Acq: 01 Apr 2018 05:20

Tot Ion: 78 Resp: 25620

Ion Ratio Lower Upper

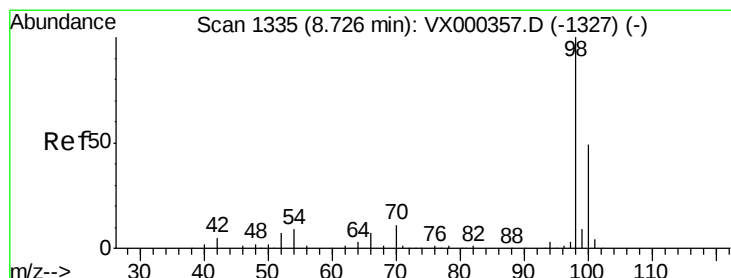
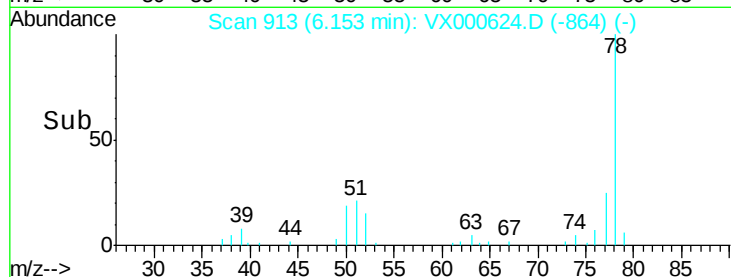
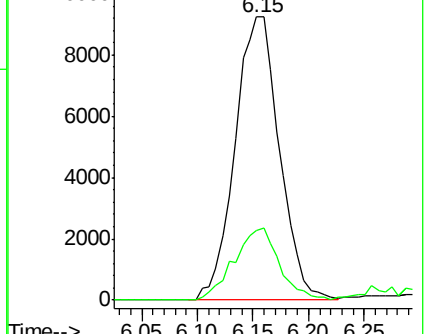
78 100

77 24.5 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: 49.17 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000624.D

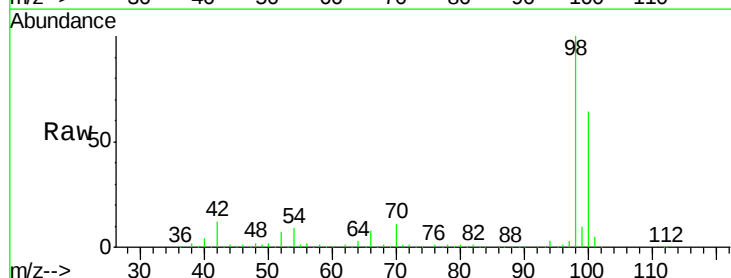
Acq: 01 Apr 2018 05:20

Tgt Ion: 98 Resp: 294970

Ion Ratio Lower Upper

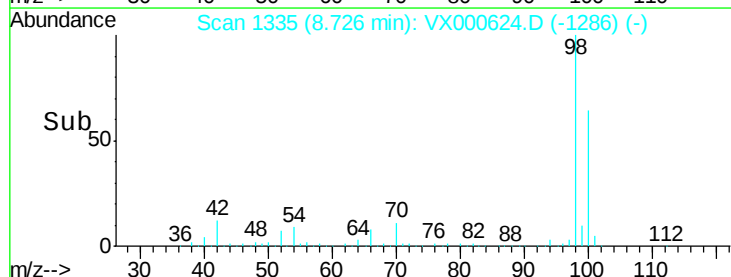
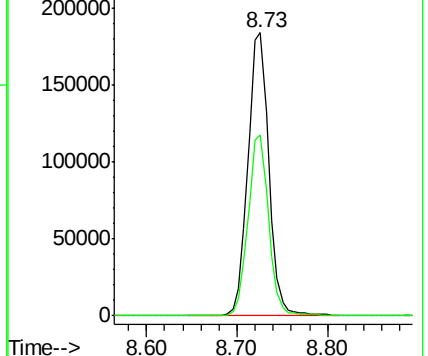
98 100

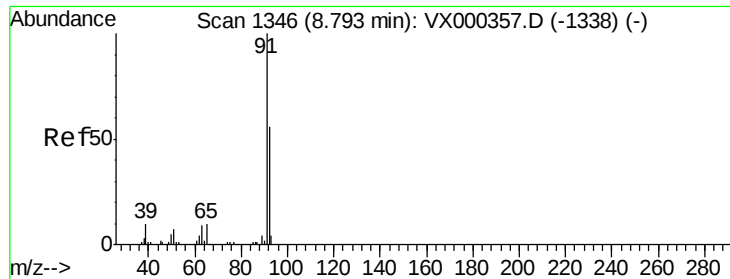
100 63.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 18.55 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000624.D

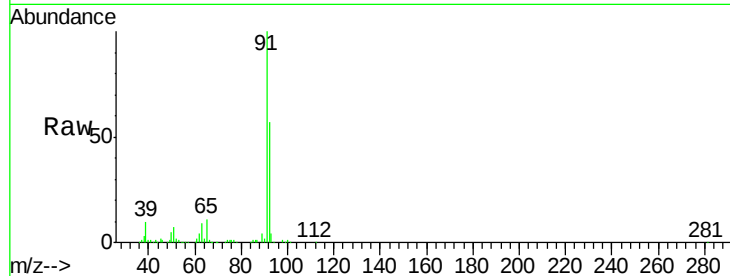
Acq: 01 Apr 2018 05:20

Tot Ion: 92 Resp: 81089

Ion Ratio Lower Upper

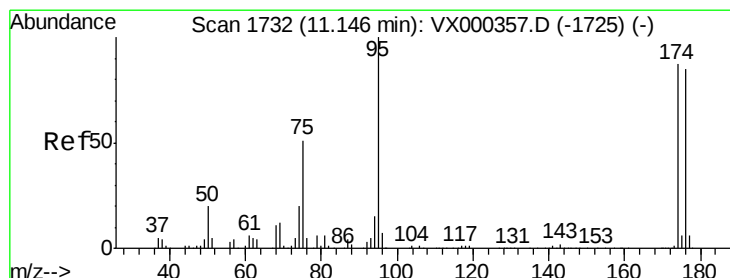
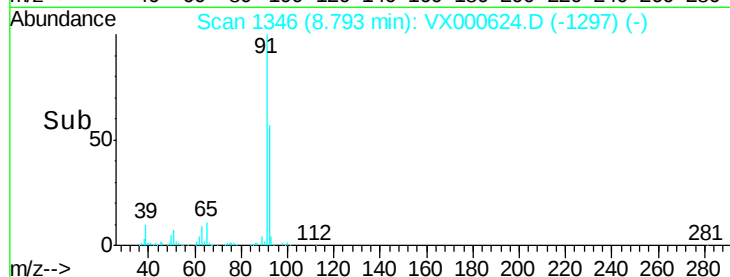
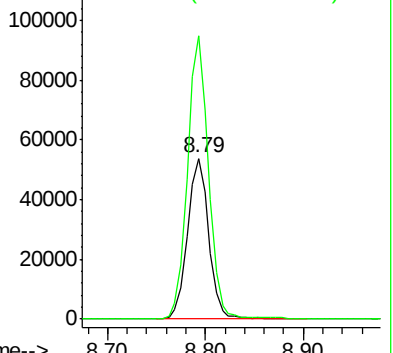
92 100

91 173.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.66 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000624.D

Acq: 01 Apr 2018 05:20

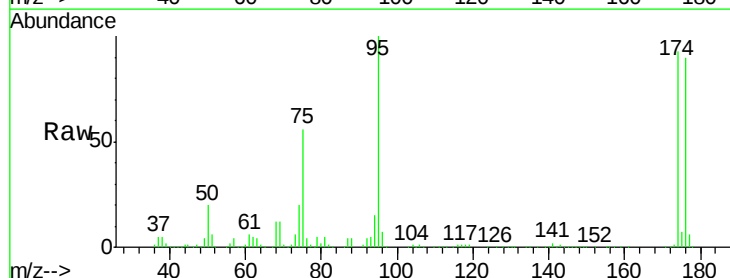
Tgt Ion: 95 Resp: 117123

Ion Ratio Lower Upper

95 100

174 86.8 0.0 173.6

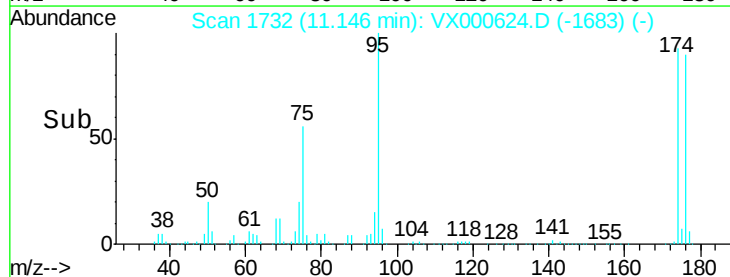
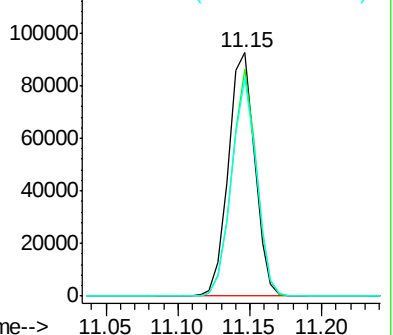
176 85.2 0.0 164.6

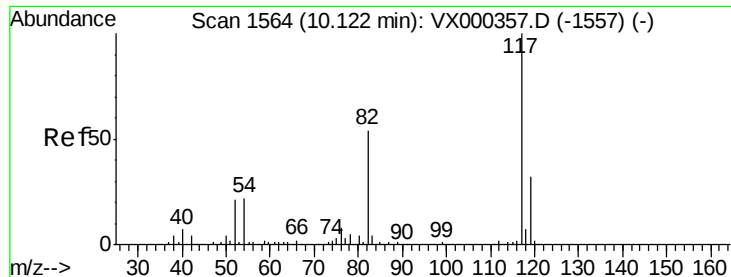


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

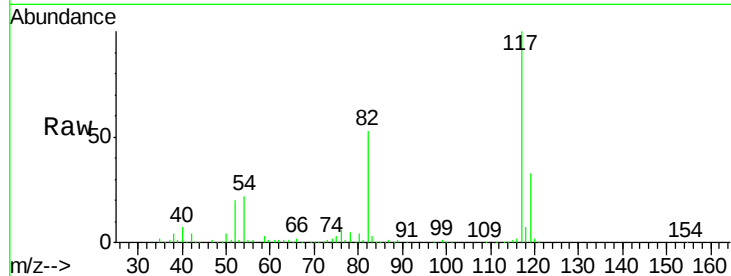
Ion 175.80 (175.50 to 176.50): V



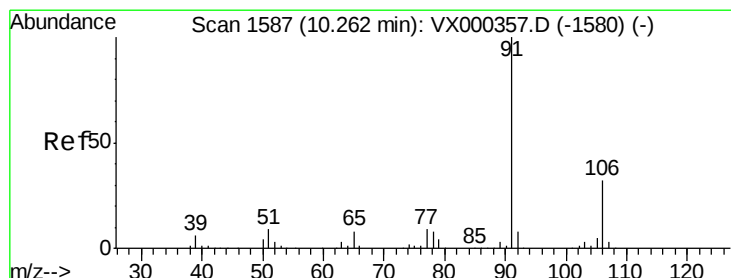
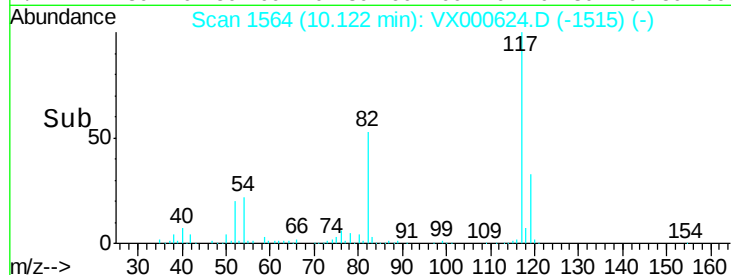
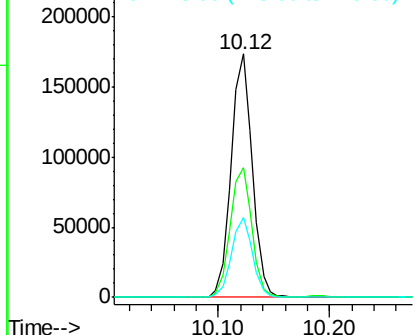


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000624.D
Acq: 01 Apr 2018 05:20

Tot Ion:117 Resp: 228327
Ion Ratio Lower Upper
117 100
82 53.2 43.8 65.8
119 32.7 24.9 37.3

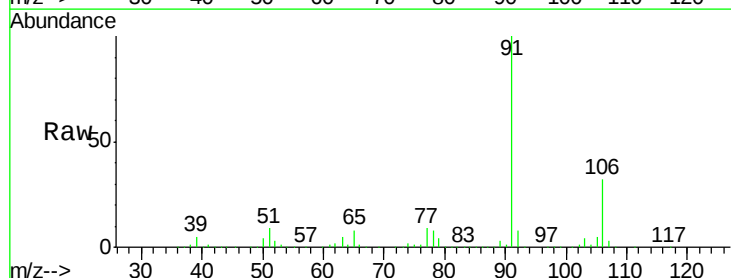


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

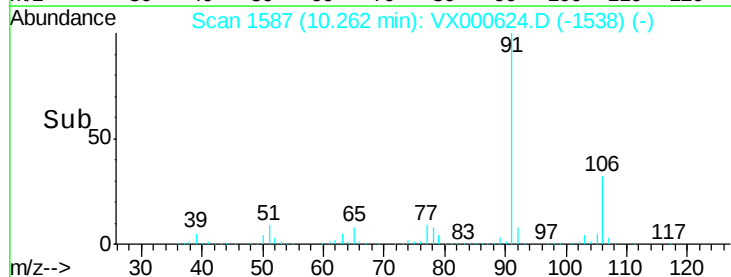
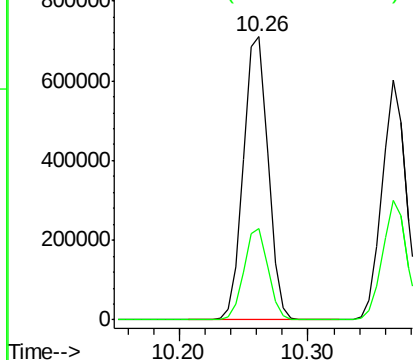


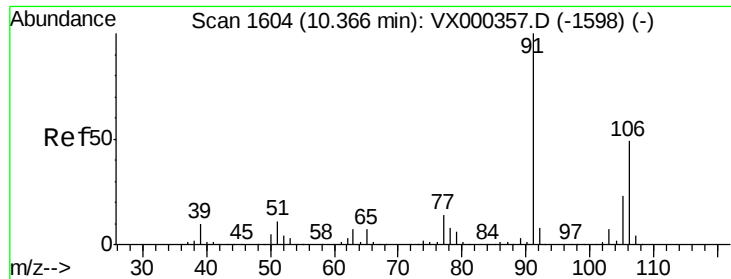
#67
Ethyl Benzene
Concen: 109.03 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000624.D
Acq: 01 Apr 2018 05:20

Tgt Ion: 91 Resp: 939160
Ion Ratio Lower Upper
91 100
106 32.1 25.0 37.6



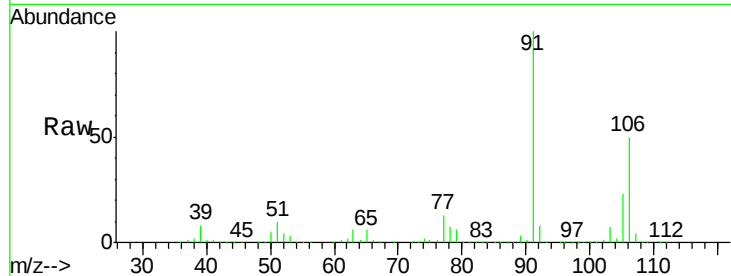
Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V



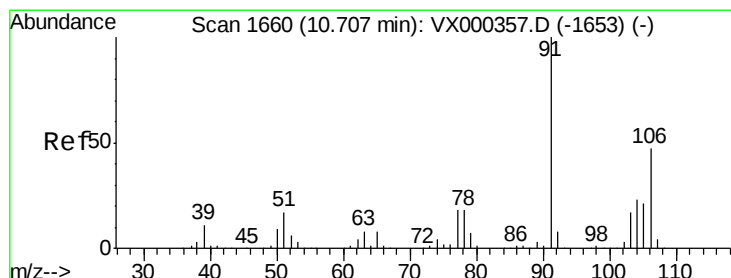
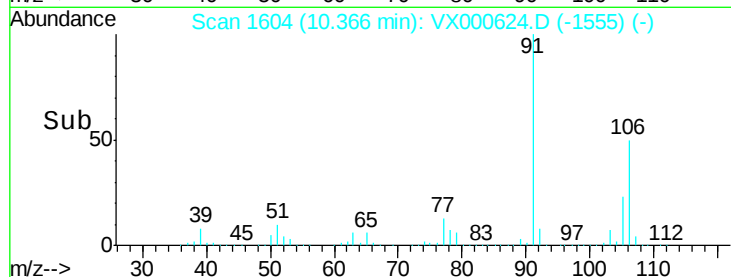
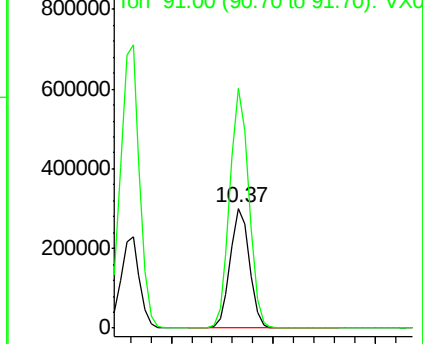


#68
m/p-Xvlenes
Concen: 115.17 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000624.D
Acq: 01 Apr 2018 05:20

Tot Ion:106 Resp: 390366
Ion Ratio Lower Upper
106 100
91 198.4 163.4 245.2

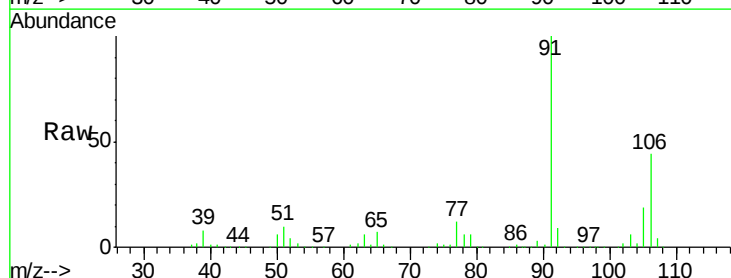


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

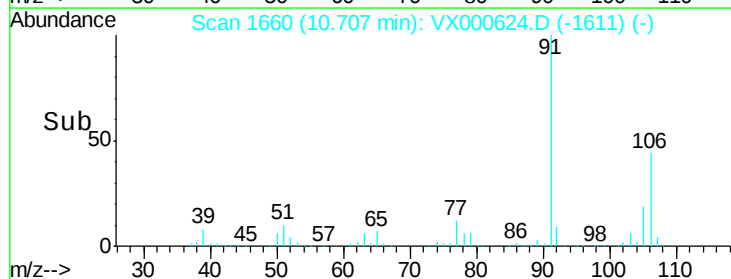
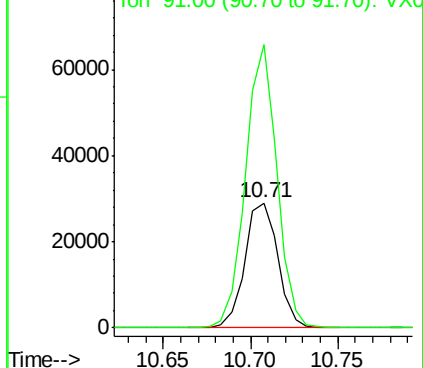


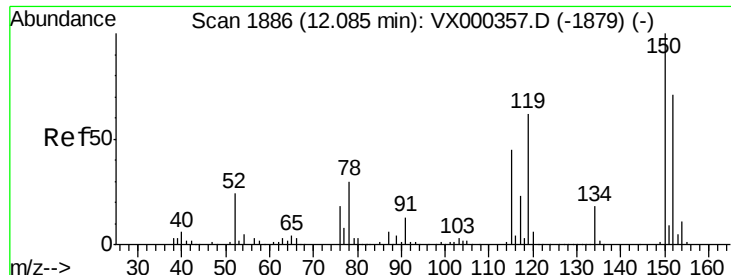
#69
o-Xylene
Concen: 11.58 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000624.D
Acq: 01 Apr 2018 05:20

Tgt Ion:106 Resp: 38020
Ion Ratio Lower Upper
106 100
91 216.4 106.5 319.6



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

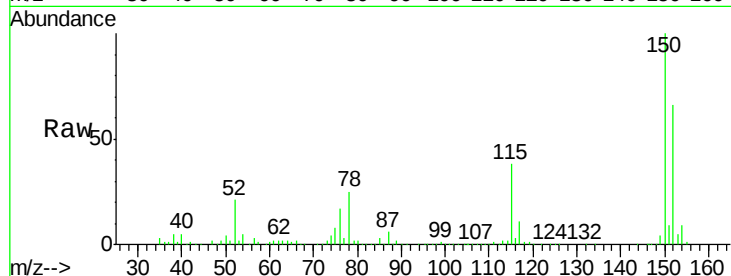




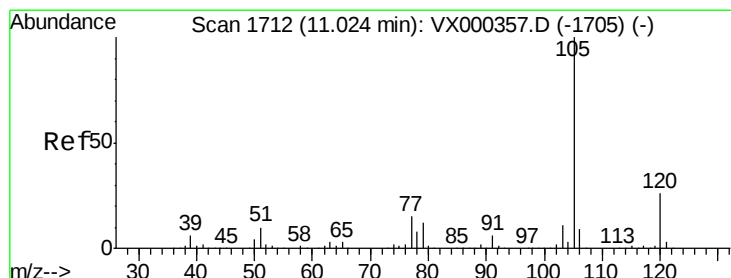
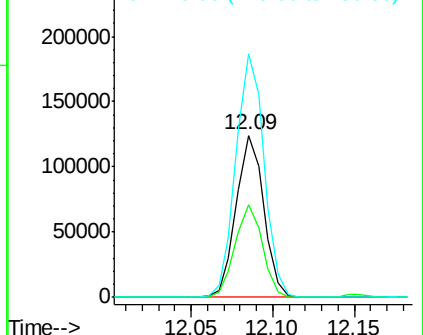
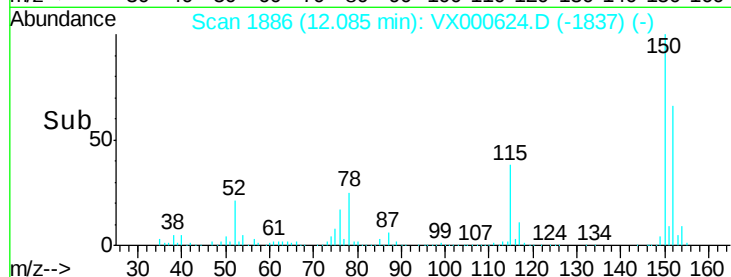
#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000624.D
Acq: 01 Apr 2018 05:20

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.3	39.8	119.3
150	153.2	0.0	344.4



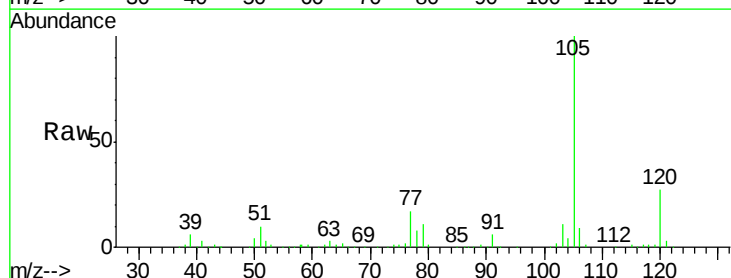
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



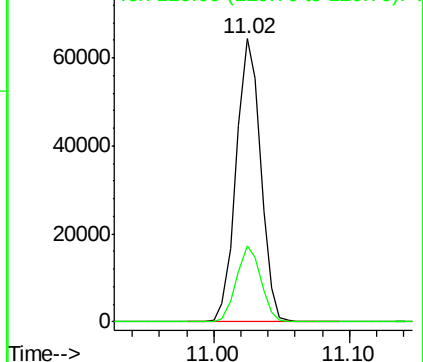
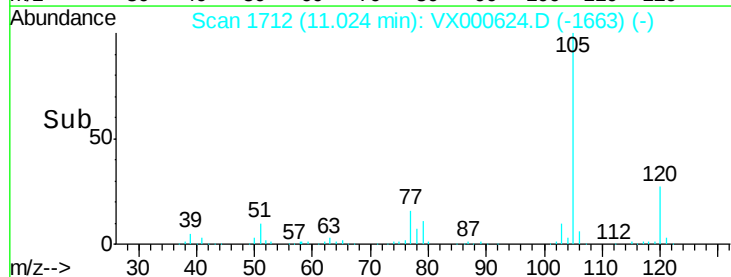
#73

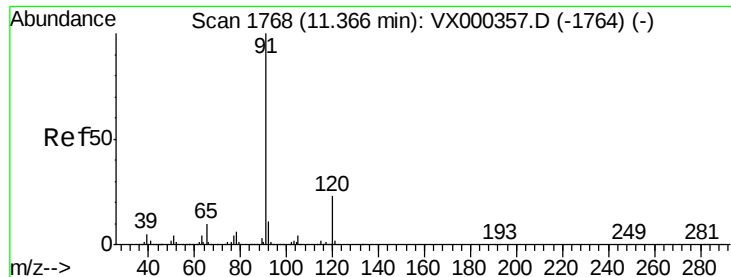
Isopropylbenzene
Concen: 8.27 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX000624.D
Acq: 01 Apr 2018 05:20

Tgt 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: 16.01 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000624.D

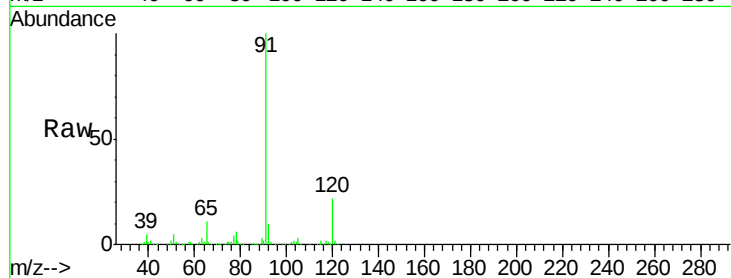
Acq: 01 Apr 2018 05:20

Tot Ion: 91 Resp: 185949

Ion Ratio Lower Upper

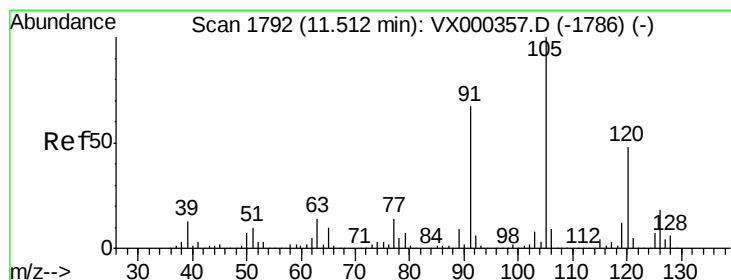
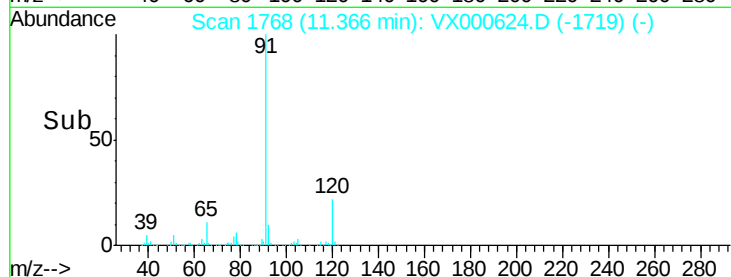
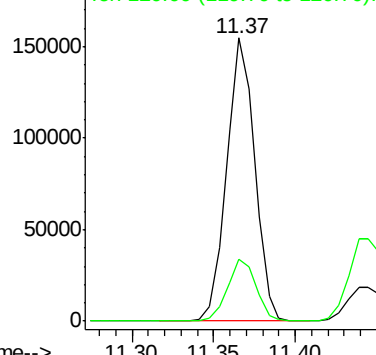
91 100

120 22.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.46 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000624.D

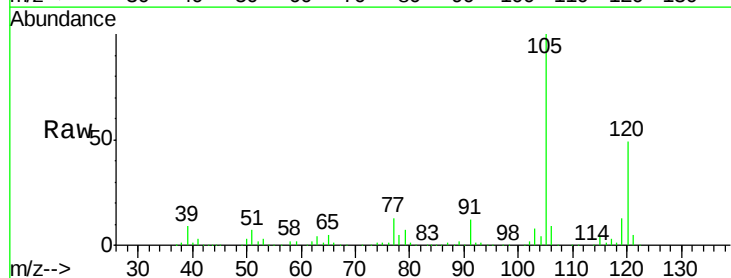
Acq: 01 Apr 2018 05:20

Tgt Ion:105 Resp: 175831

Ion Ratio Lower Upper

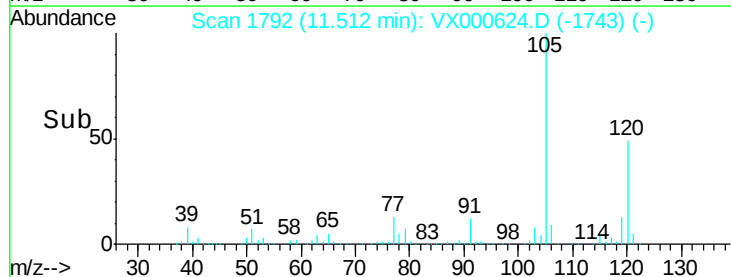
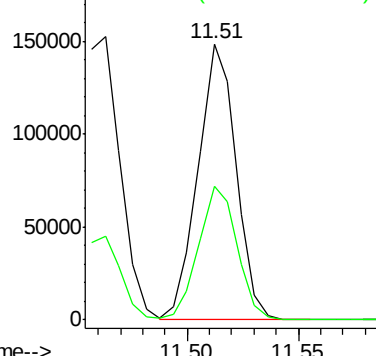
105 100

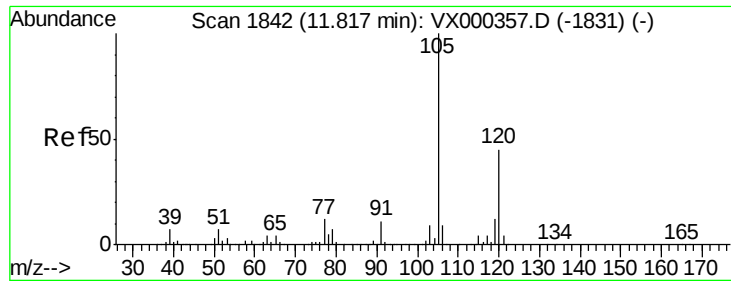
120 49.4 24.1 72.4



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: 32.49 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000624.D

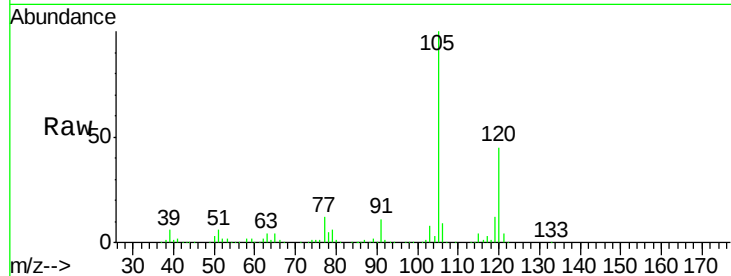
Acq: 01 Apr 2018 05:20

Tot Ion:105 Resp: 279099

Ion Ratio Lower Upper

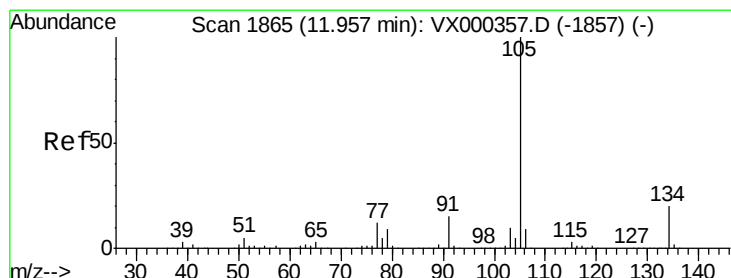
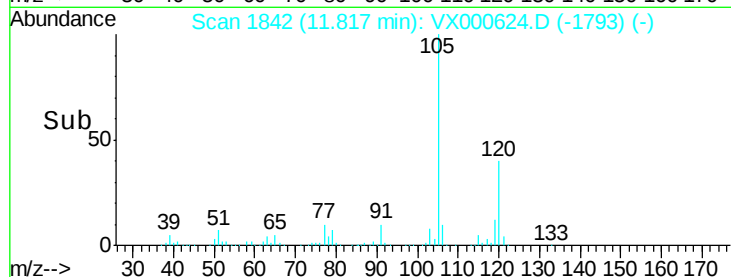
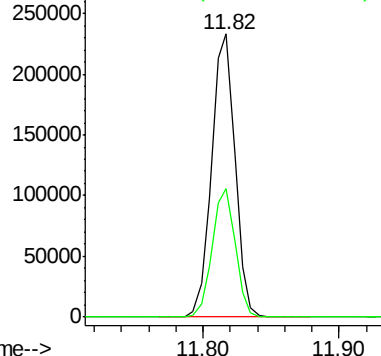
105 100

120 45.0 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.40 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000624.D

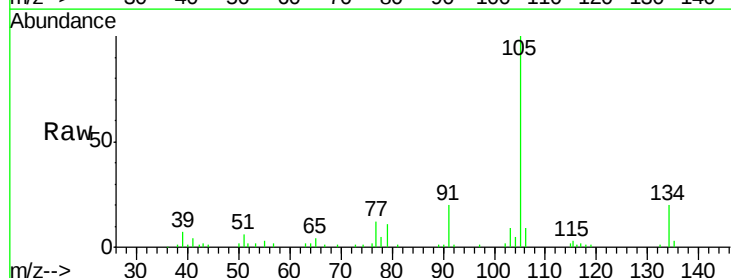
Acq: 01 Apr 2018 05:20

Tgt Ion:105 Resp: 14348

Ion Ratio Lower Upper

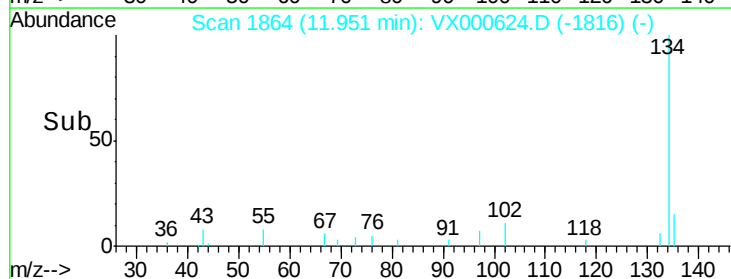
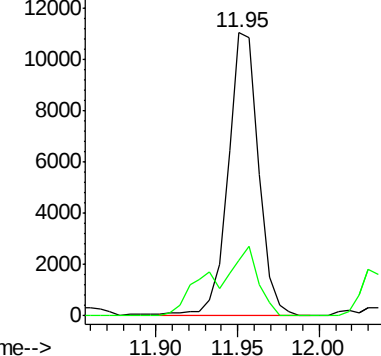
105 100

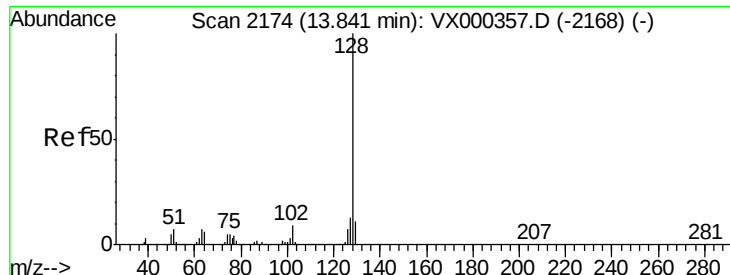
134 21.1 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

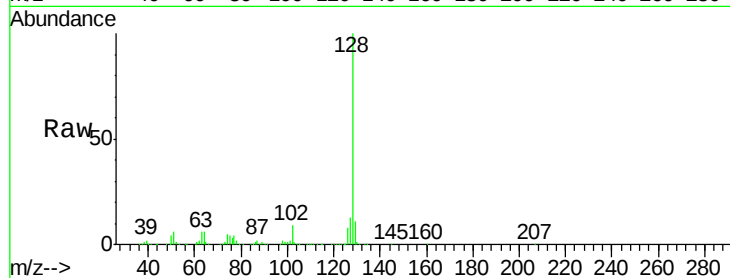
Ion 134.00 (133.70 to 134.70): V





#95
 Naphthalene
 Concen: 37.68 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000624.D
 Acq: 01 Apr 2018 05:20

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.1	8.9	13.3



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

