

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071718\
 Data File : VX003437.D
 Acq On : 17 Jul 2018 19:28
 Operator : JC/MD
 Sample : J3829-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-071318-C

Quant Time: Jul 18 02:22:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	275786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	397021	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	234019	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	171822	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
35) Dibromofluoromethane	5.51	113	154886	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.72	98	643887	54.32	ug/l	0.00
Spiked Amount			Recovery	=	108.64%	
62) 4-Bromofluorobenzene	11.14	95	213500	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	

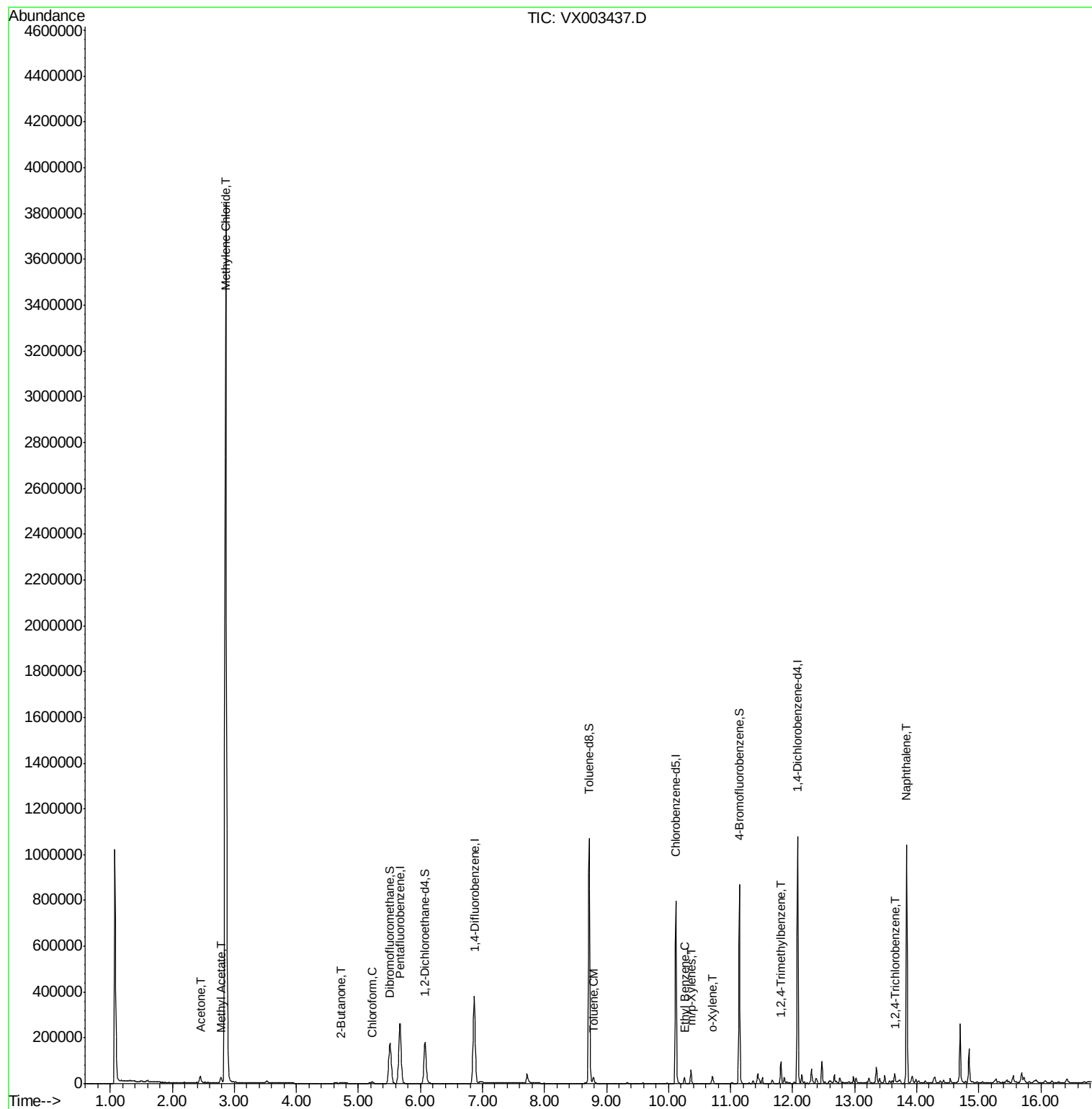
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	29077	19.36	ug/l	91
18) Methyl Acetate	2.78	43	28400	5.80	ug/l	98
20) Methylene Chloride	2.86	84	1843921	380.10	ug/l	92
25) 2-Butanone	4.71	43	6302	2.68	ug/l #	83
30) Chloroform	5.23	83	7011	1.31	ug/l	90
52) Toluene	8.79	92	8872	1.16	ug/l	100
67) Ethyl Benzene	10.26	91	14991	1.03	ug/l	96
68) m/p-Xylenes	10.36	106	13337	2.38	ug/l	98
69) o-Xylene	10.70	106	5733	1.07	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	41000	3.26	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	7681	1.43	ug/l	96
95) Naphthalene	13.83	128	646860	42.16	ug/l	99

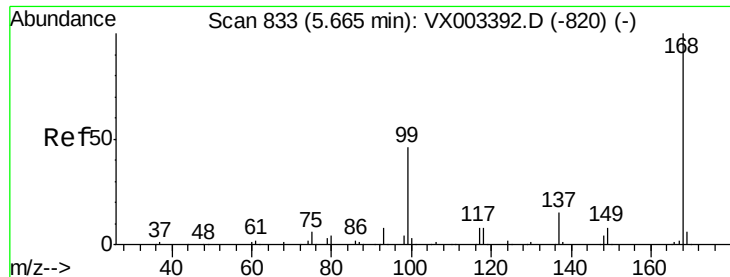
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003437.D

Acq: 17 Jul 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

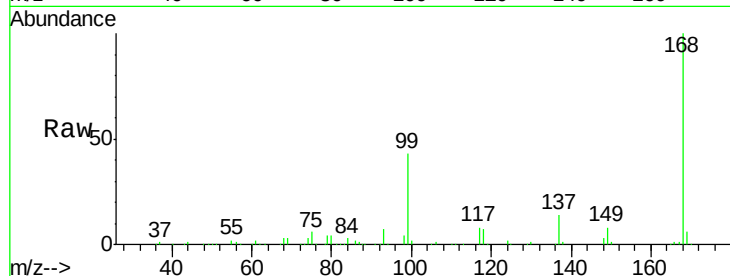
PL-01-071318-C

Tot Ion:168 Resp: 275786

Ion Ratio Lower Upper

168 100

99 43.0 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

120000

100000

80000

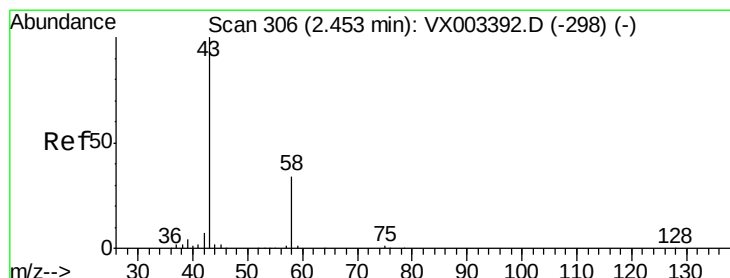
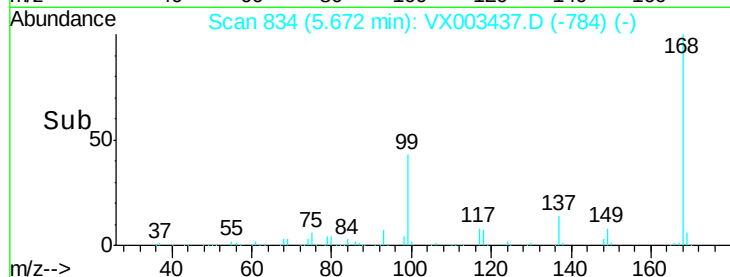
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 19.36 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003437.D

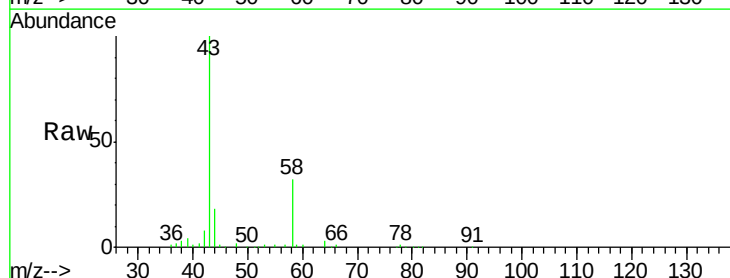
Acq: 17 Jul 2018 19:28

Tgt Ion: 43 Resp: 29077

Ion Ratio Lower Upper

43 100

58 32.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

20000

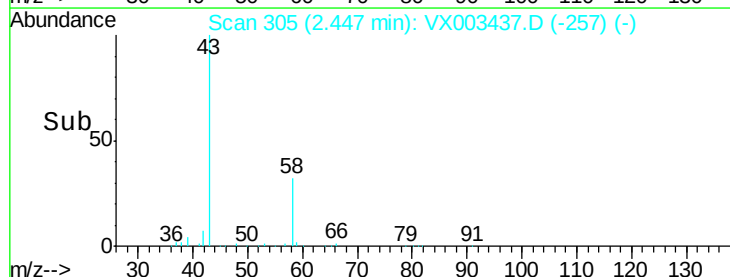
15000

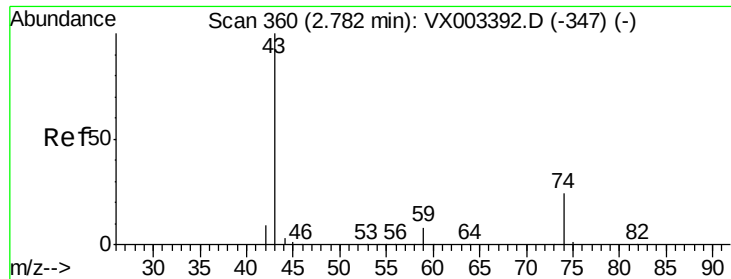
10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55

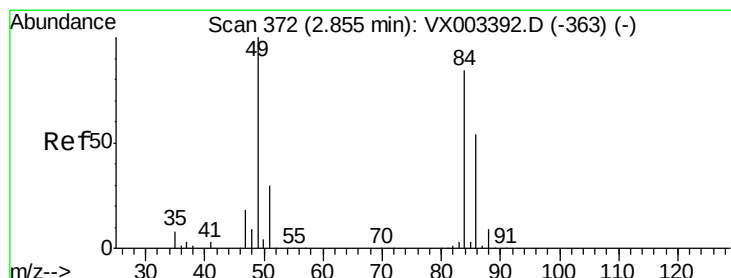
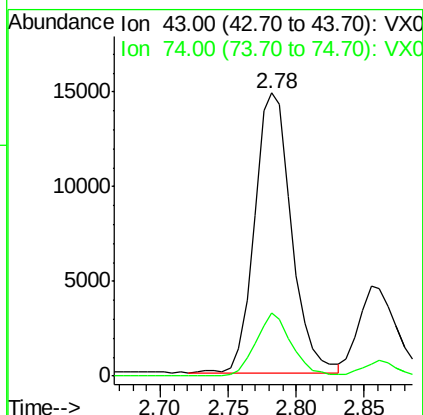
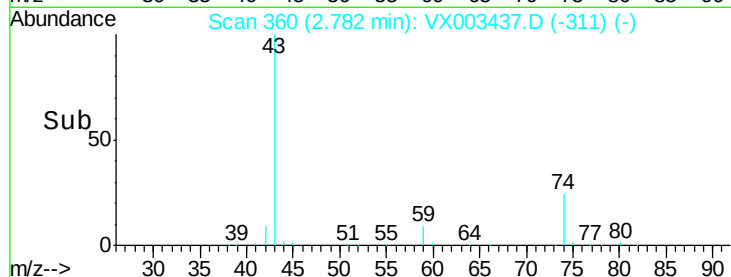
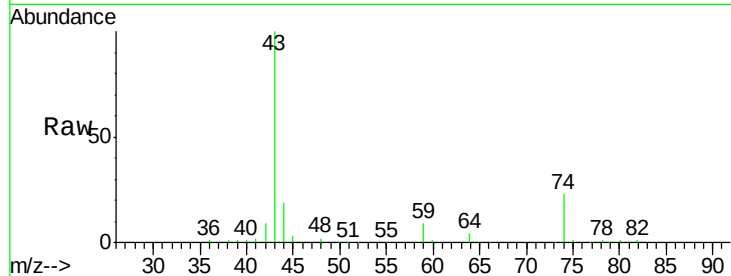




#18
Methyl Acetate
Concen: 5.80 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003437.D
Acq: 17 Jul 2018 19:28

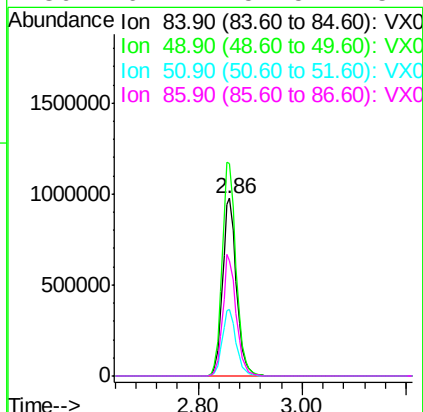
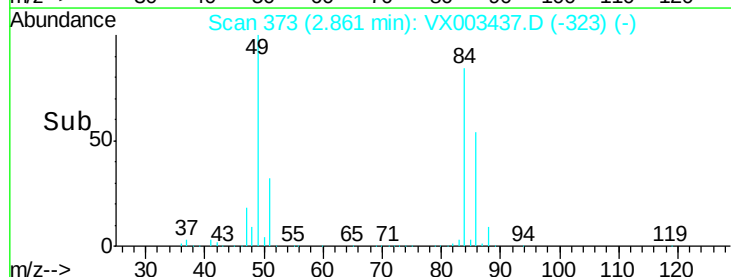
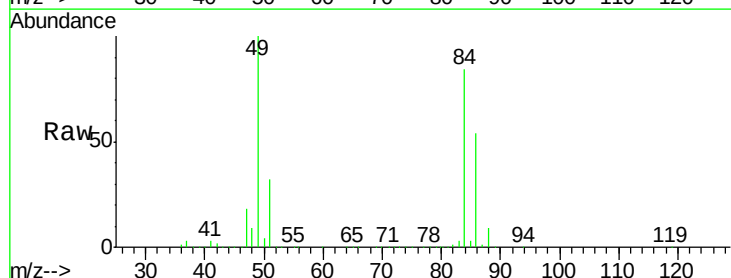
Instrument :
MSVOA_X
ClientSampleId :
PL-01-071318-C

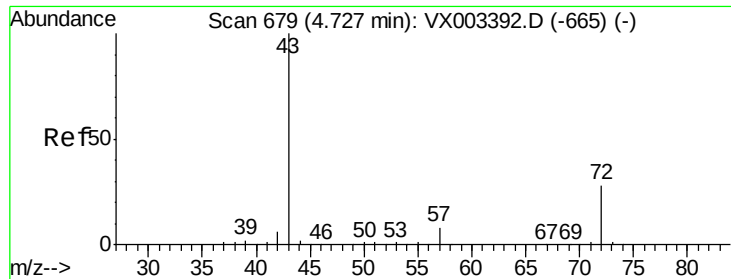
Tot Ion: 43 Resp: 28400
Ion Ratio Lower Upper
43 100
74 21.7 16.7 25.1



#20
Methylene Chloride
Concen: 380.10 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003437.D
Acq: 17 Jul 2018 19:28

Tgt Ion: 84 Resp: 1843921
Ion Ratio Lower Upper
84 100
49 119.3 107.8 161.6
51 37.6 32.8 49.2
86 64.7 52.5 78.7

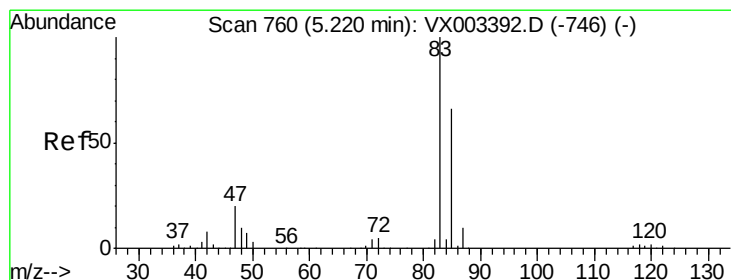
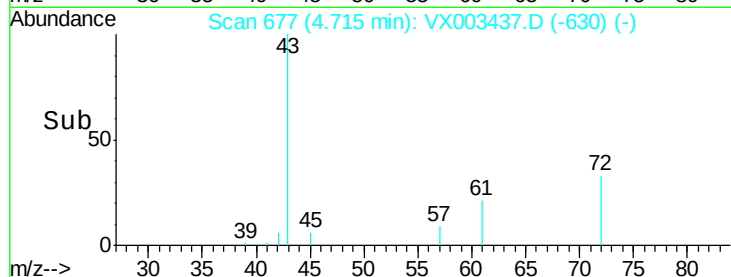
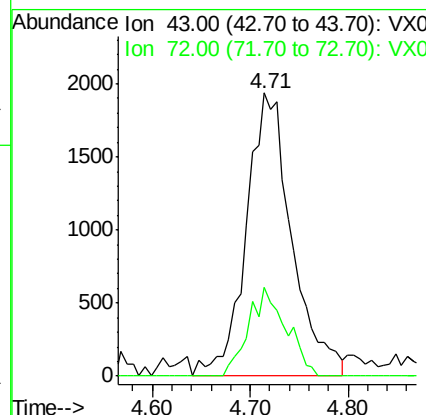
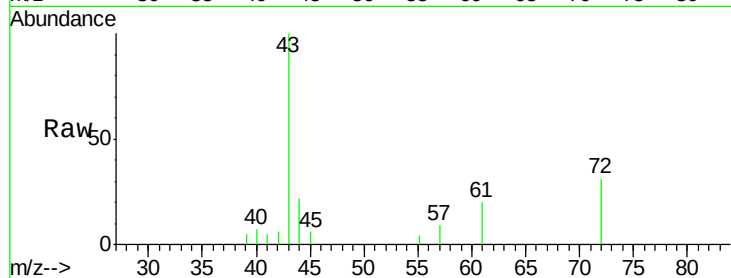




#25
2-Butanone
Concen: 2.68 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX003437.D
Acq: 17 Jul 2018 19:28

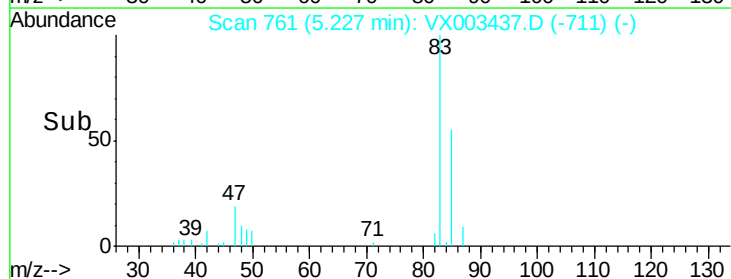
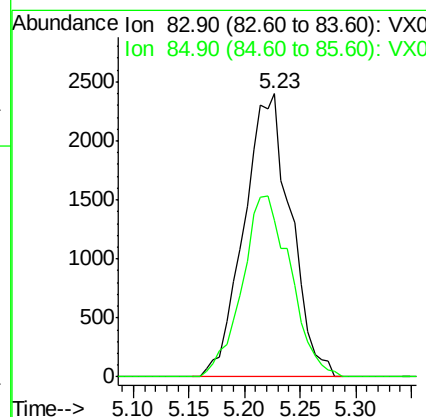
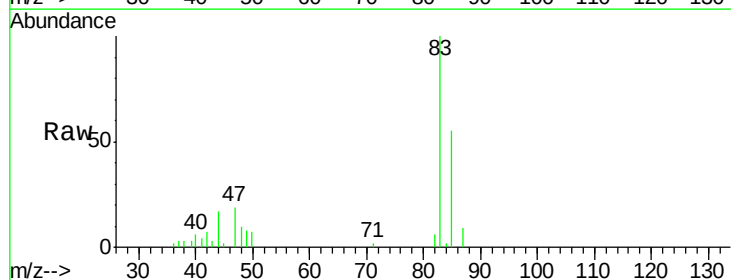
Instrument :
MSVOA_X
ClientSampleId :
PL-01-071318-C

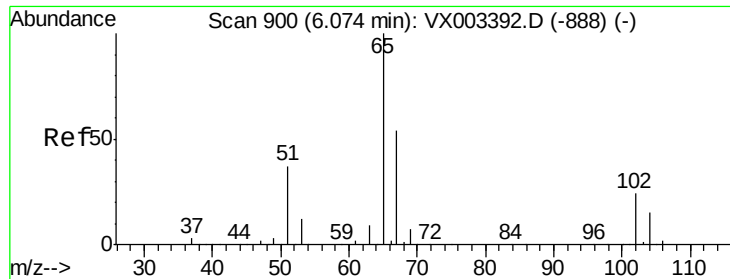
Tot Ion: 43 Resp: 6302
Ion Ratio Lower Upper
43 100
72 31.2 18.5 27.7#



#30
Chloroform
Concen: 1.31 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX003437.D
Acq: 17 Jul 2018 19:28

Tgt Ion: 83 Resp: 7011
Ion Ratio Lower Upper
83 100
85 55.5 50.4 75.6

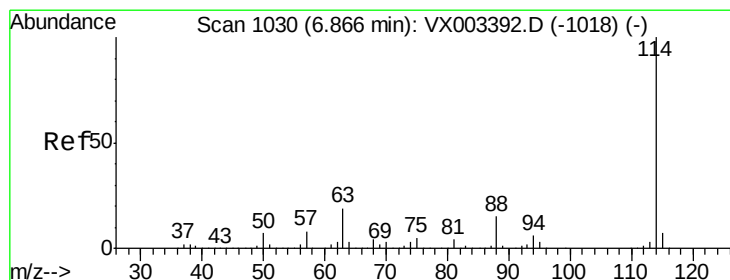
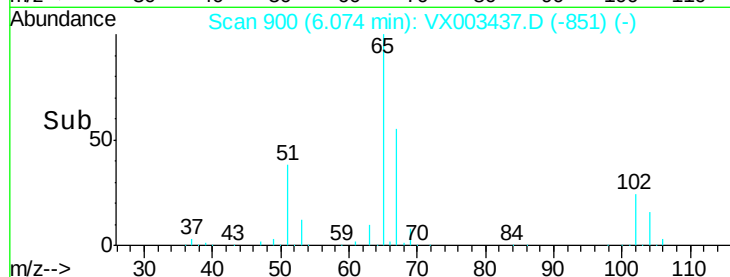
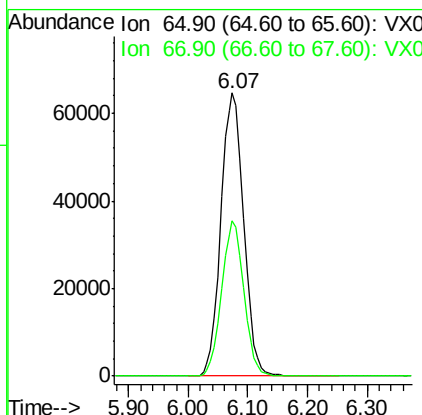
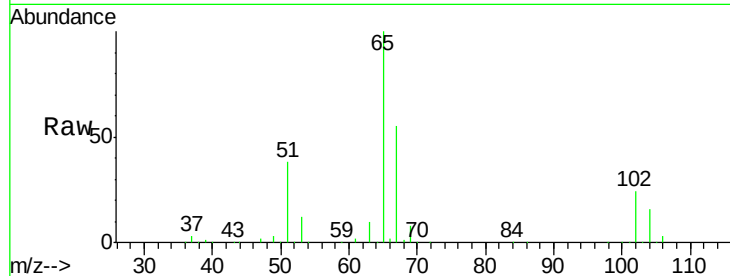




#33
 1,2-Dichloroethane-d4
 Concen: 47.57 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003437.D
 Acq: 17 Jul 2018 19:28

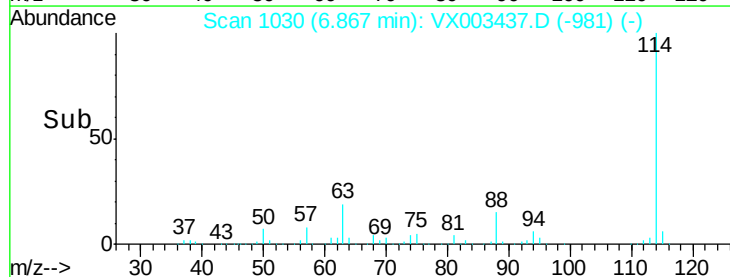
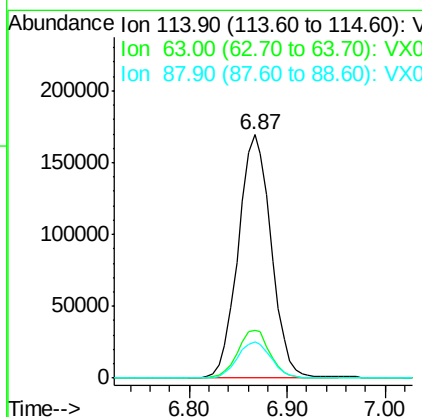
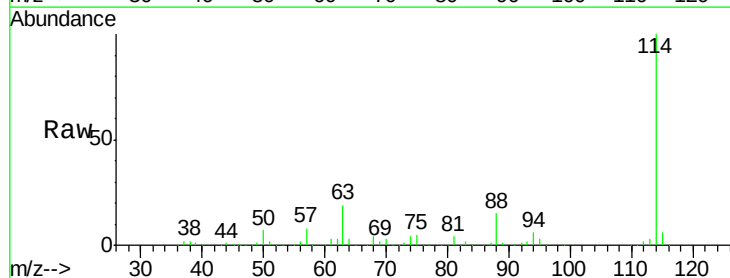
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-071318-C

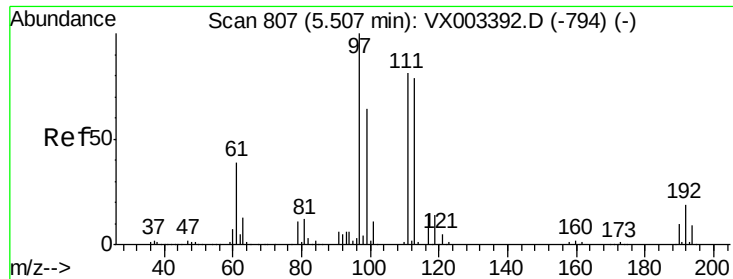
Tot Ion: 65 Resp: 171822
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003437.D
 Acq: 17 Jul 2018 19:28

Tgt Ion: 114 Resp: 397021
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.22 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003437.D

Acq: 17 Jul 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

PL-01-071318-C

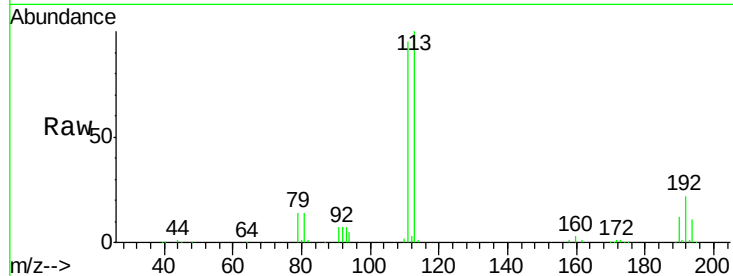
Tot Ion:113 Resp: 154886

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

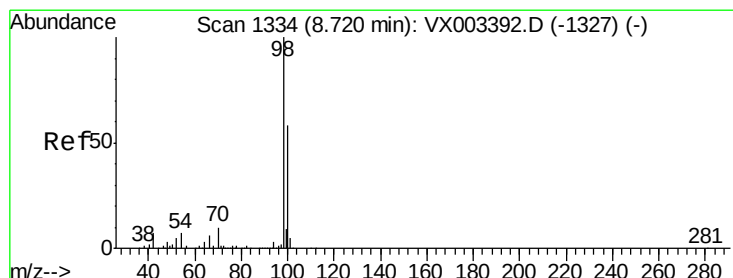
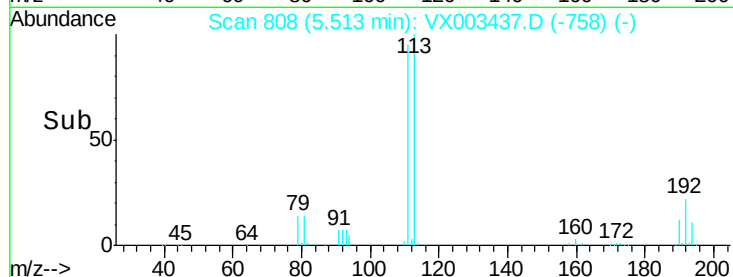
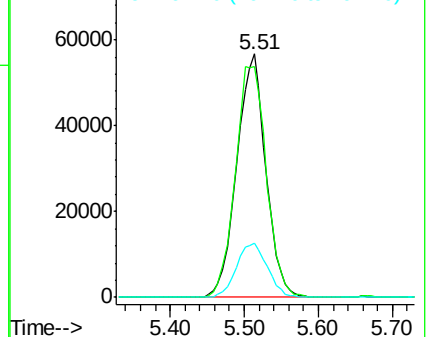
192 23.8 19.1 28.7



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



#50

Toluene-d8

Concen: 54.32 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003437.D

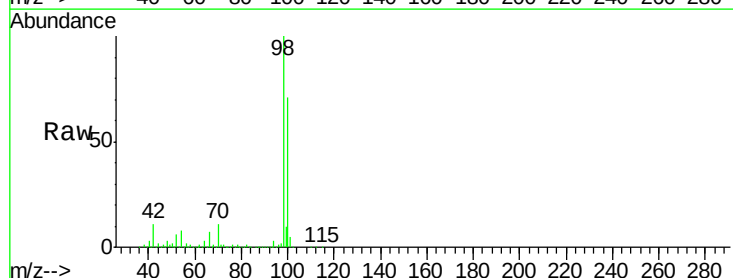
Acq: 17 Jul 2018 19:28

Tgt Ion: 98 Resp: 643887

Ion Ratio Lower Upper

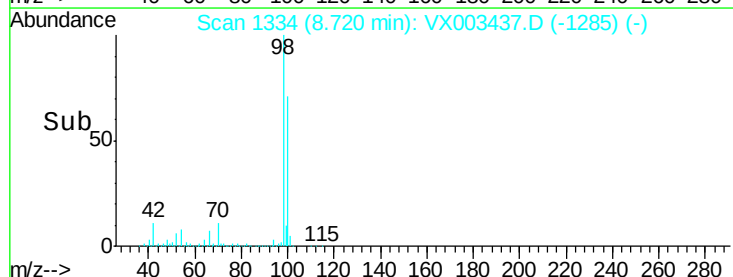
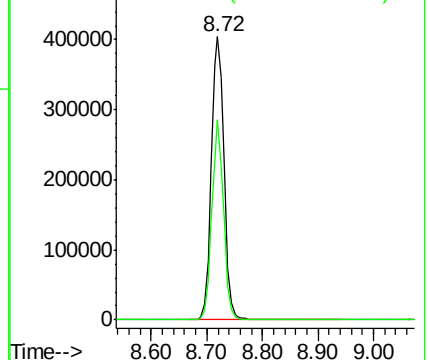
98 100

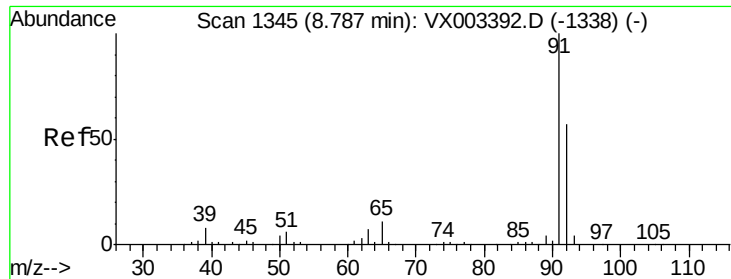
100 65.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.16 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003437.D

Acq: 17 Jul 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

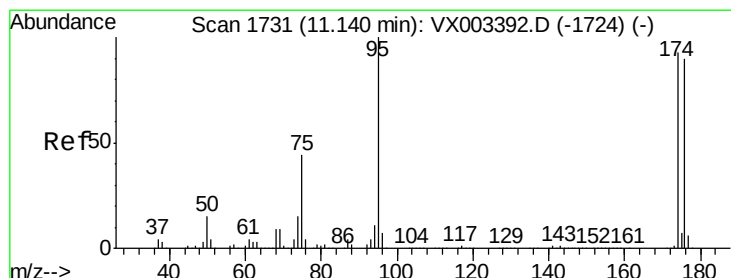
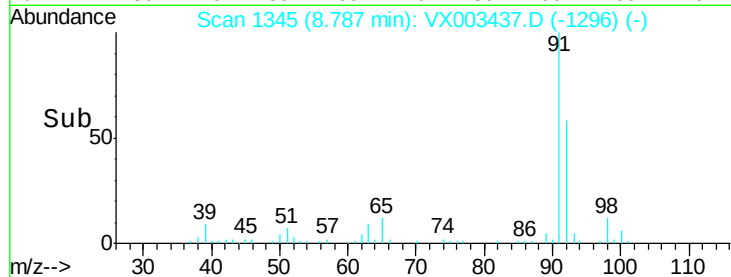
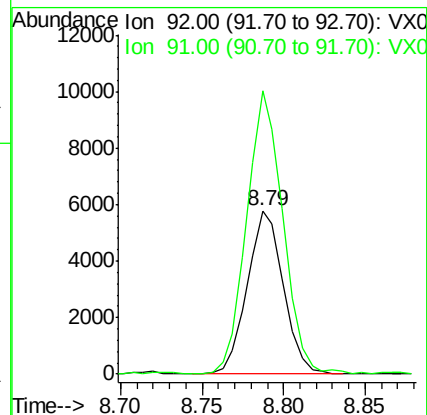
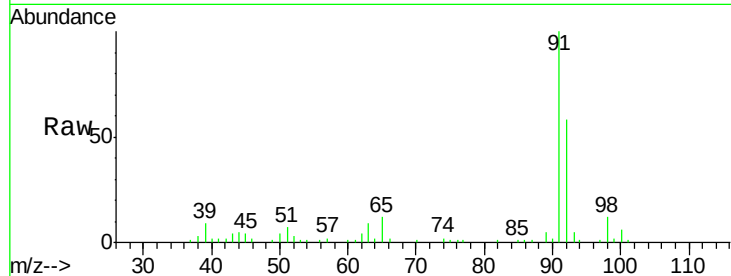
PL-01-071318-C

Tot Ion: 92 Resp: 8872

Ion Ratio Lower Upper

92 100

91 175.2 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 50.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003437.D

Acq: 17 Jul 2018 19:28

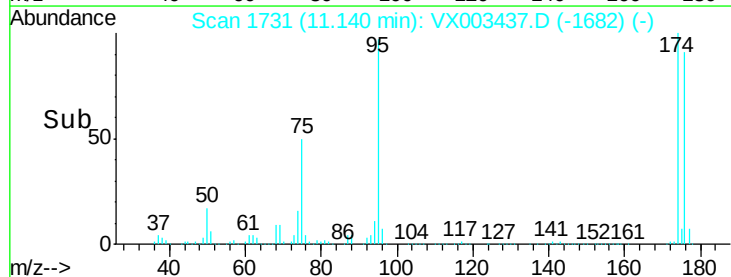
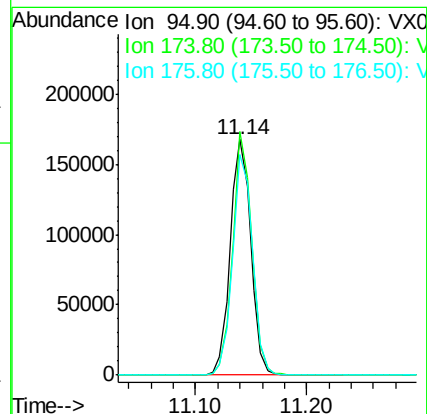
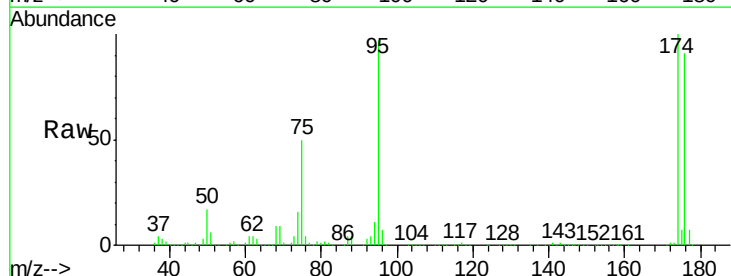
Tgt Ion: 95 Resp: 213500

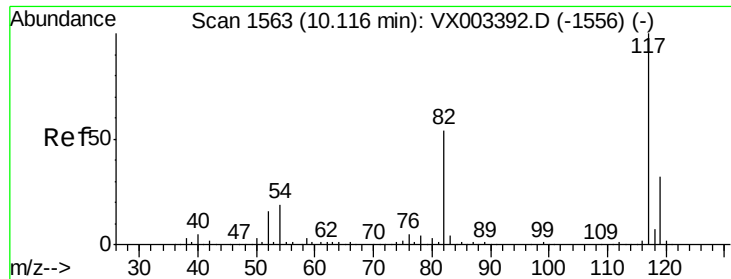
Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.4

176 91.4 0.0 181.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003437.D

Acq: 17 Jul 2018 19:28

Instrument :

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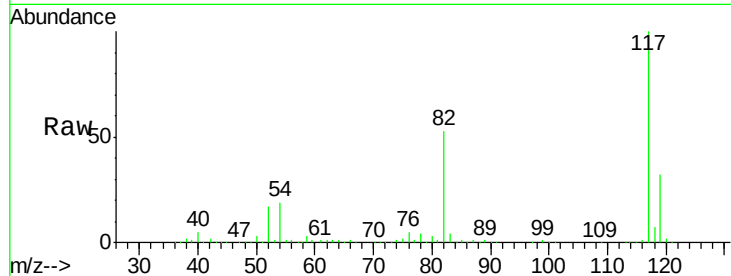
Tot Ion:117 Resp: 375205

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

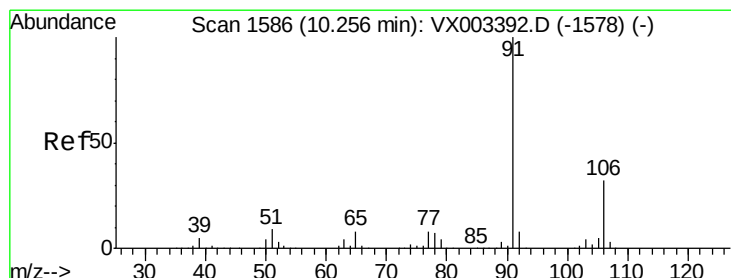
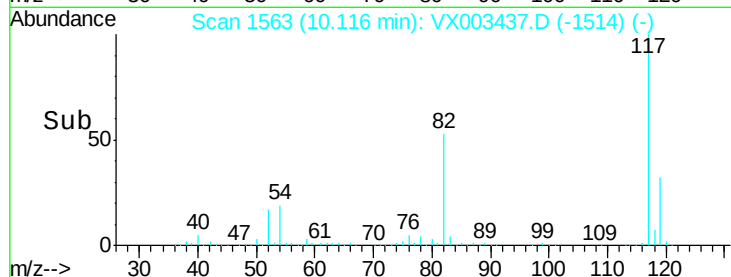
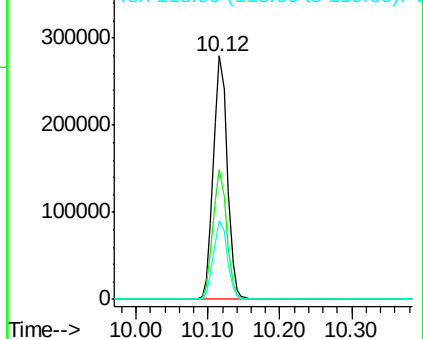
119 32.4 25.8 38.6



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: 1.03 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003437.D

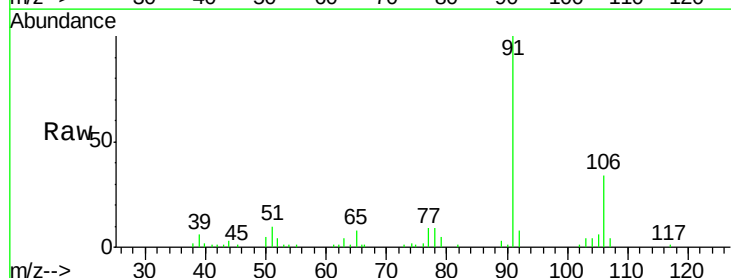
Acq: 17 Jul 2018 19:28

Tgt Ion: 91 Resp: 14991

Ion Ratio Lower Upper

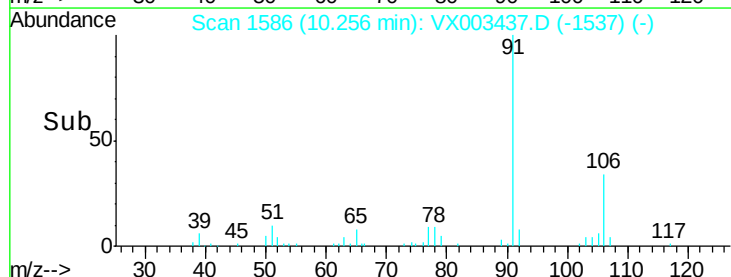
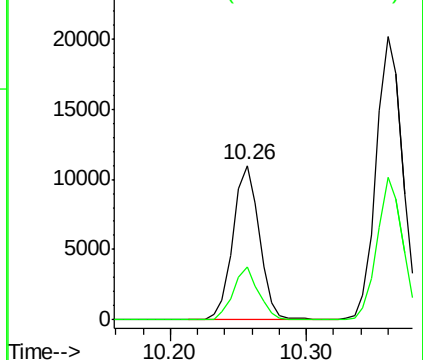
91 100

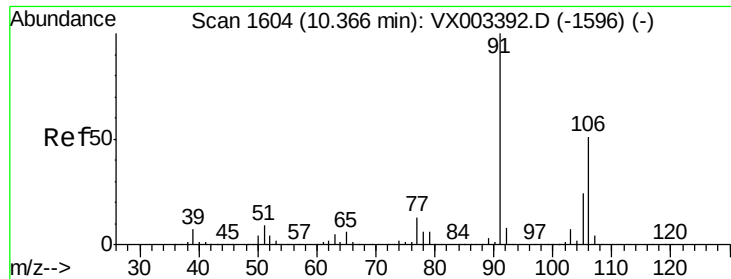
106 34.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

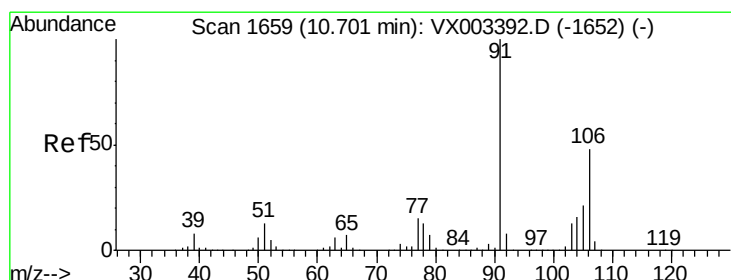
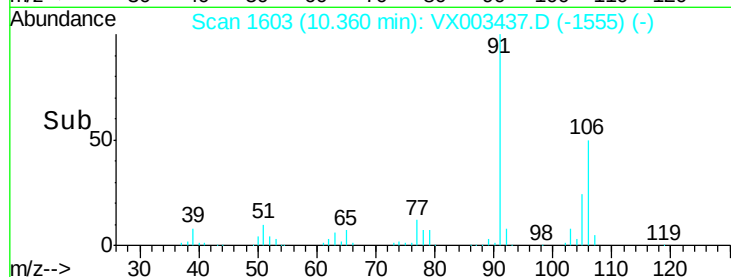
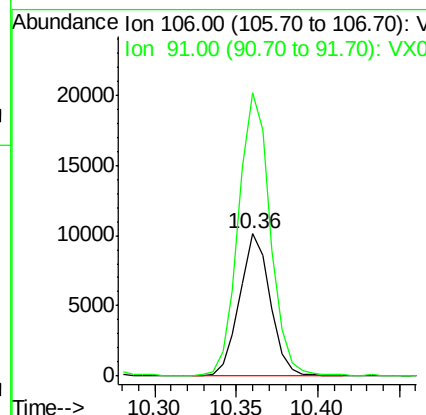
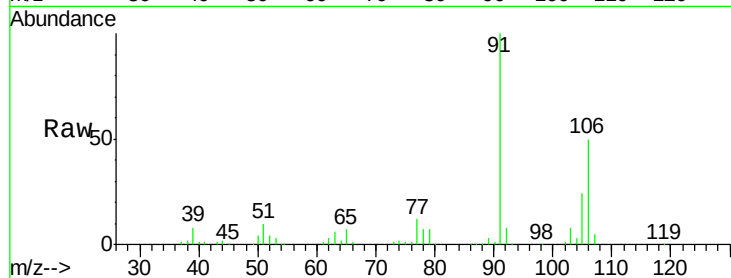




#68
m/p-Xylenes
Concen: 2.38 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX003437.D
Acq: 17 Jul 2018 19:28

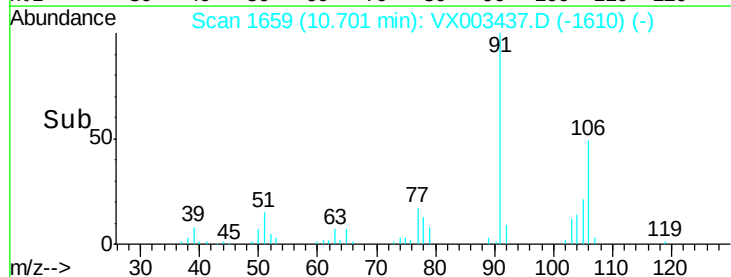
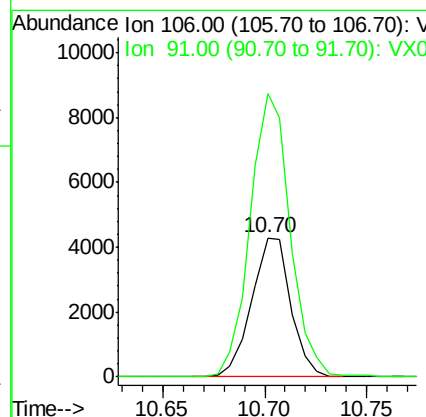
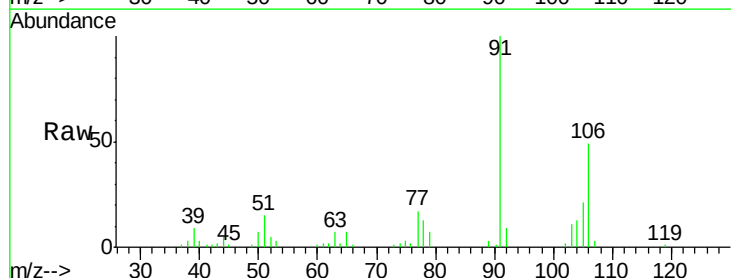
Instrument :
MSVOA_X
ClientSampleId :
PL-01-071318-C

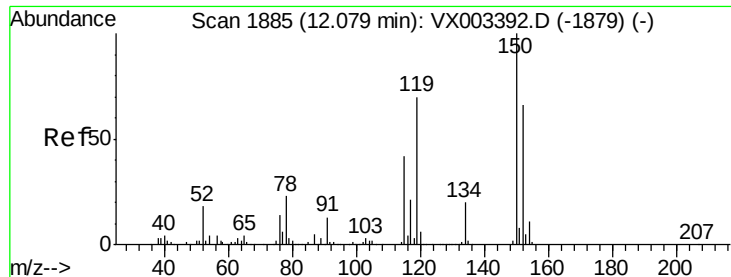
Tot Ion:106 Resp: 13337
Ion Ratio Lower Upper
106 100
91 206.8 163.4 245.2



#69
o-Xylene
Concen: 1.07 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003437.D
Acq: 17 Jul 2018 19:28

Tgt Ion:106 Resp: 5733
Ion Ratio Lower Upper
106 100
91 207.9 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003437.D

Acq: 17 Jul 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

PL-01-071318-C

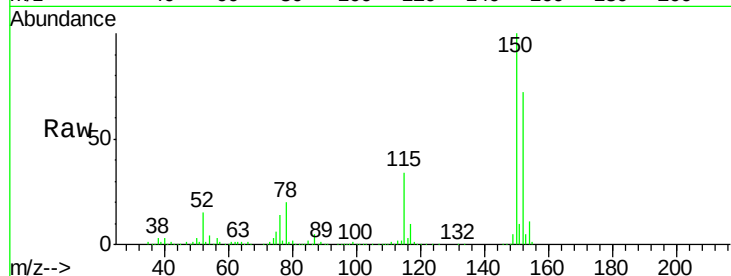
Tot Ion:152 Resp: 234019

Ion Ratio Lower Upper

152 100

115 55.8 40.1 120.2

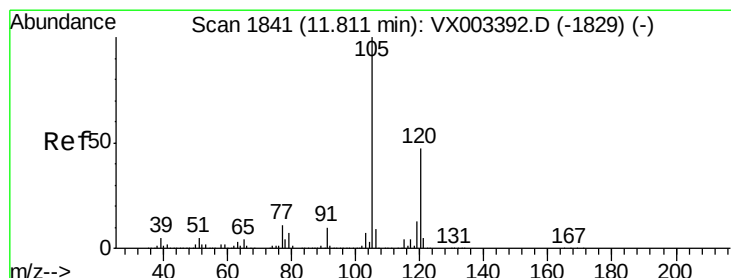
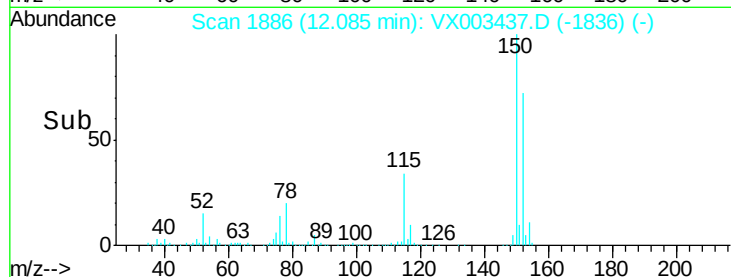
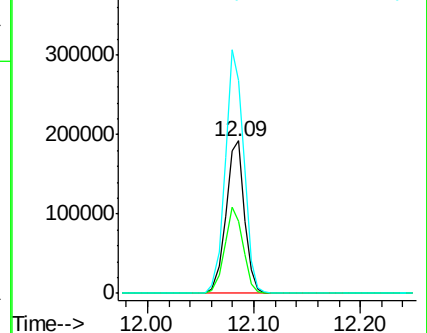
150 158.8 0.0 347.2



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



#84

1,2,4-Trimethylbenzene

Concen: 3.26 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003437.D

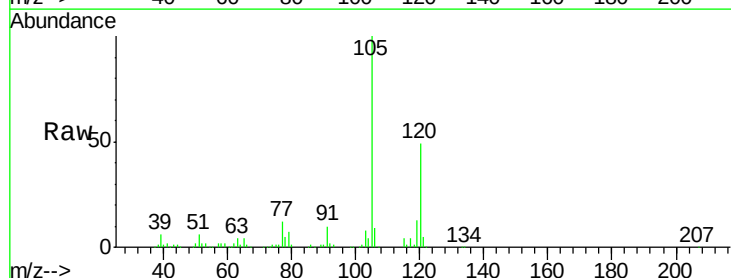
Acq: 17 Jul 2018 19:28

Tgt Ion:105 Resp: 41000

Ion Ratio Lower Upper

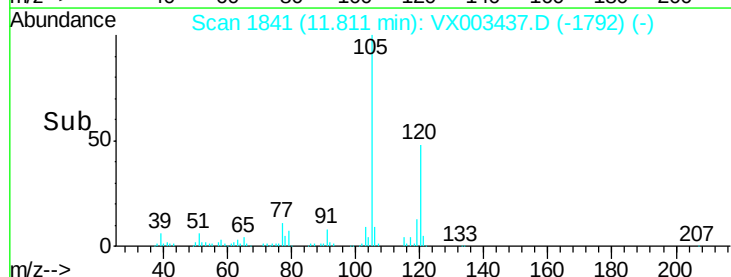
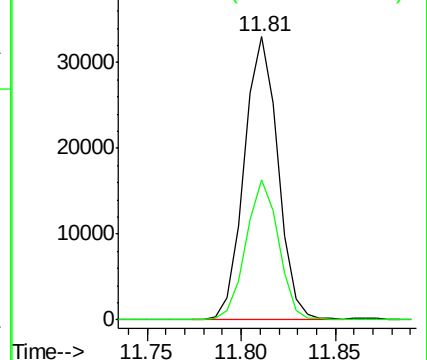
105 100

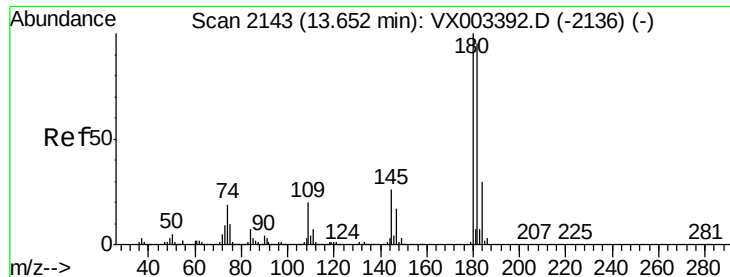
120 47.6 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

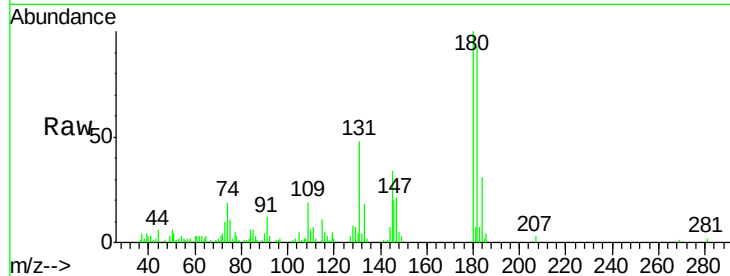




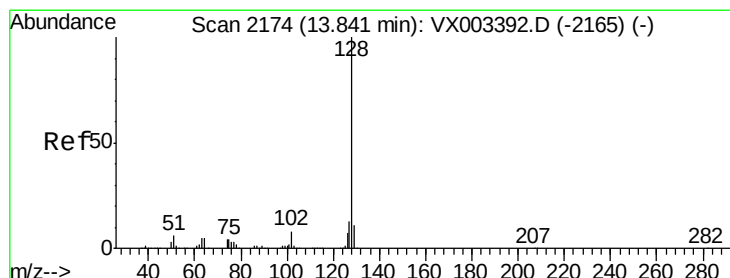
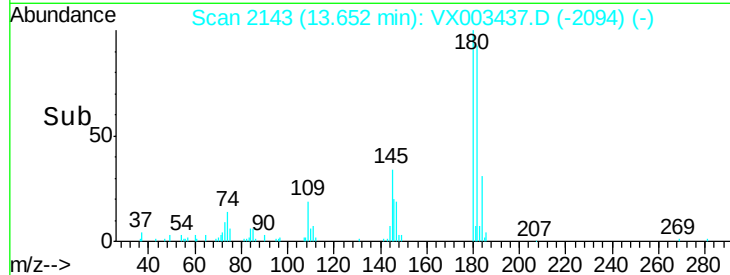
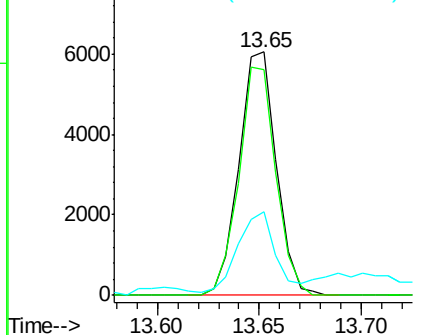
#93
 1,2,4-Trichlorobenzene
 Concen: 1.43 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003437.D
 Acq: 17 Jul 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-071318-C

Tot Ion:180 Resp: 7681
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.7 143.1
 145 33.0 14.1 42.4

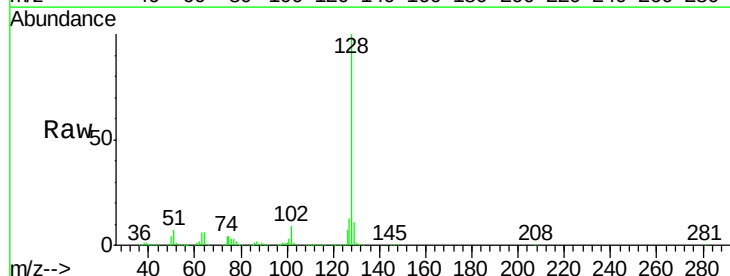


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 42.16 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: VX003437.D
 Acq: 17 Jul 2018 19:28

Tgt Ion:128 Resp: 646860
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.4 15.6
 129 11.5 8.6 13.0



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

