

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071718\
 Data File : VX003418.D
 Acq On : 17 Jul 2018 10:58
 Operator : JC/MD
 Sample : J3954-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FM1041

Quant Time: Jul 17 11:43:08 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	280020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369280	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	346483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211196	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	172309	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
35) Dibromofluoromethane	5.51	113	151523	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
50) Toluene-d8	8.72	98	594182	53.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.78%	
62) 4-Bromofluorobenzene	11.14	95	200441	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	

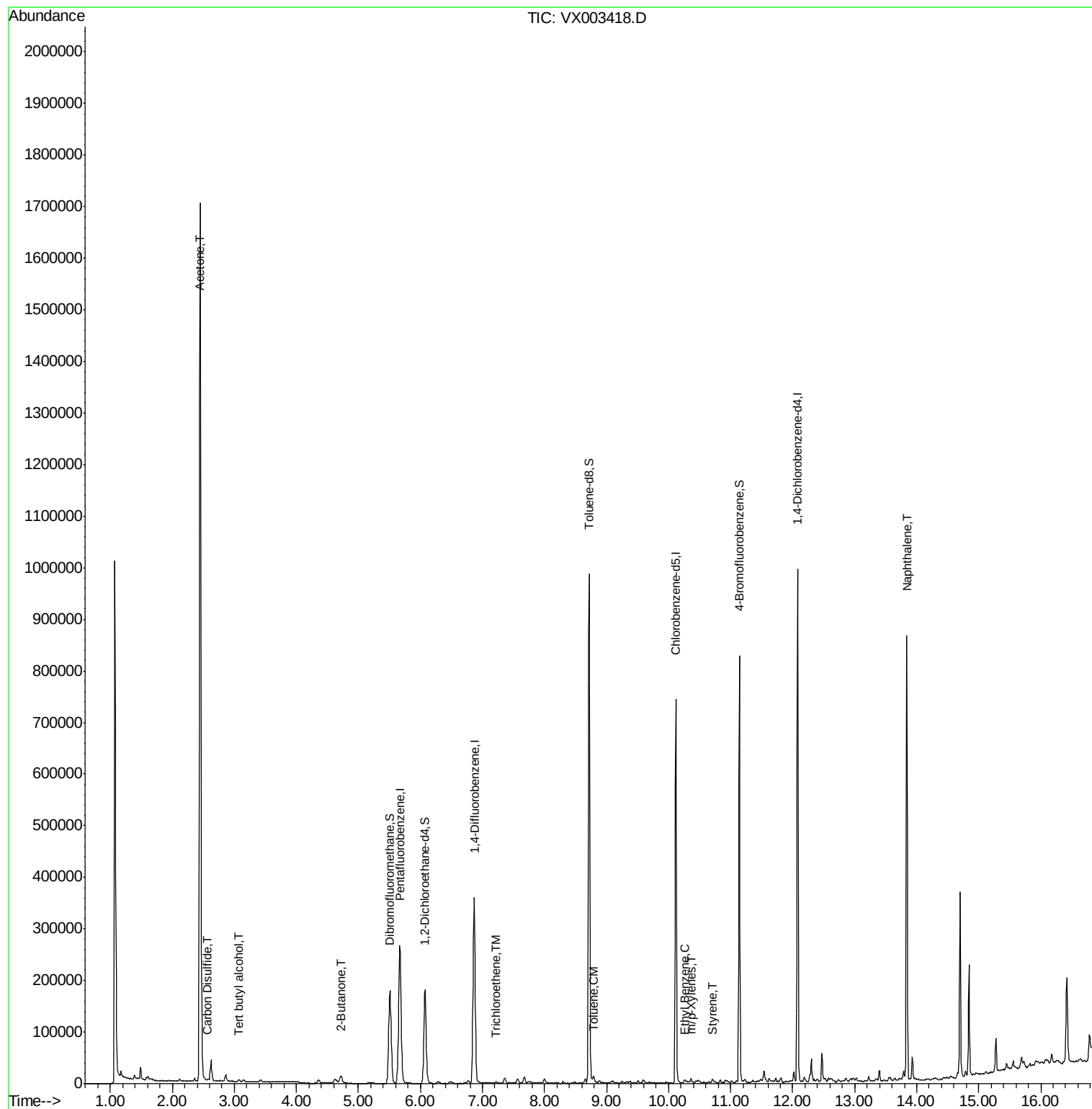
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	4997	6.06	ug/l #	88
16) Acetone	2.45	43	1802841	1181.97	ug/l #	88
17) Carbon Disulfide	2.57	76	4257	0.53	ug/l	96
25) 2-Butanone	4.71	43	24819	10.40	ug/l	96
44) Trichloroethene	7.21	130	1293	0.39	ug/l	88
52) Toluene	8.79	92	3091	0.43	ug/l	93
67) Ethyl Benzene	10.26	91	2905	0.22	ug/l	98
68) m/p-Xylenes	10.36	106	1886	0.36	ug/l	94
70) Styrene	10.72	104	2171	0.27	ug/l	96
95) Naphthalene	13.84	128	555703	40.13	ug/l	100

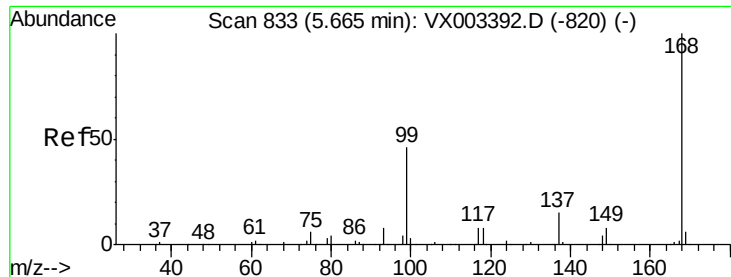
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003418.D

Acq: 17 Jul 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

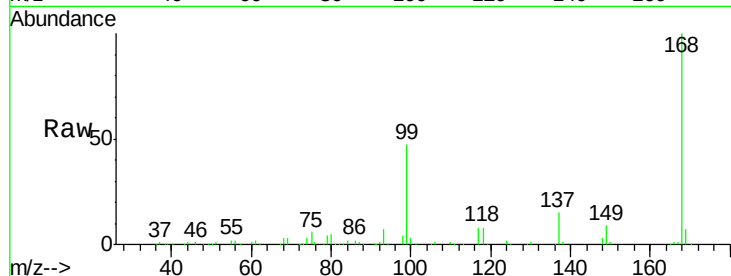
FM1041

Tot Ion:168 Resp: 280020

Ion Ratio Lower Upper

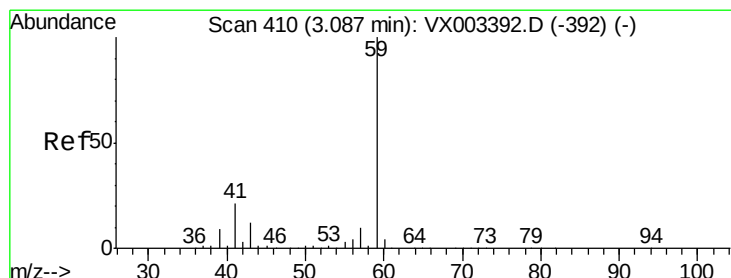
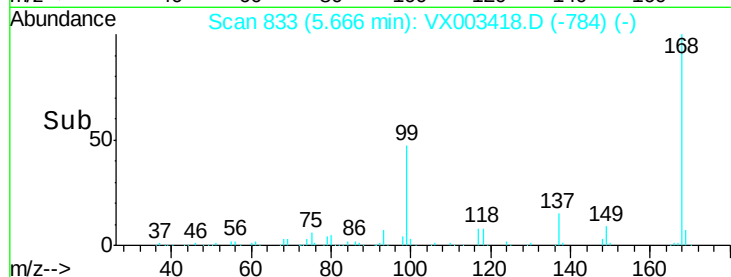
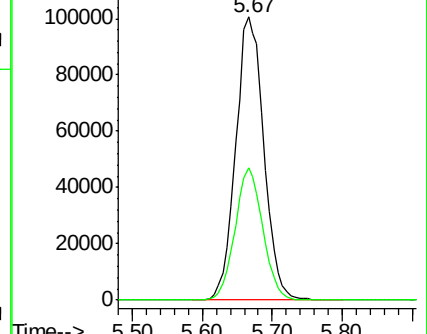
168 100

99 46.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 6.06 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003418.D

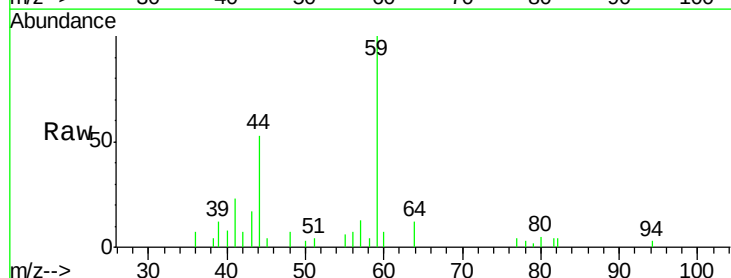
Acq: 17 Jul 2018 10:58

Tgt Ion: 59 Resp: 4997

Ion Ratio Lower Upper

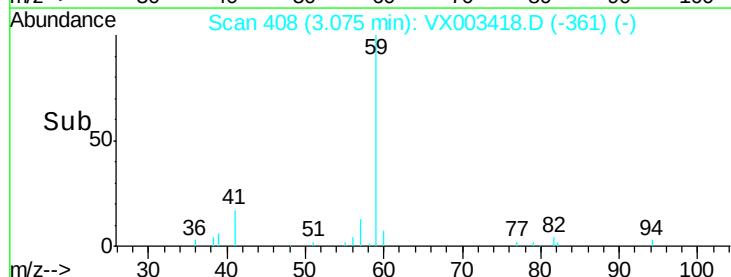
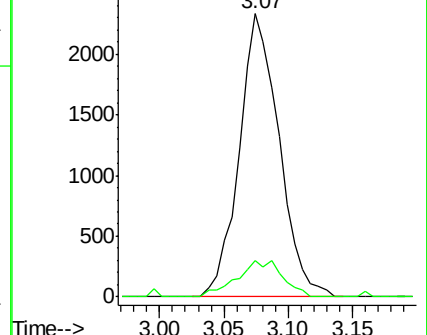
59 100

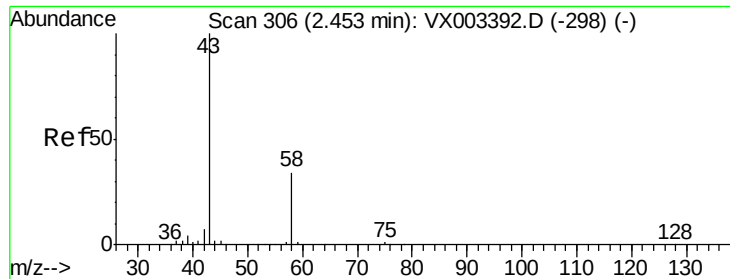
57 14.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1181.97 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003418.D

Acq: 17 Jul 2018 10:58

Instrument :

MSVOA_X

ClientSampled :

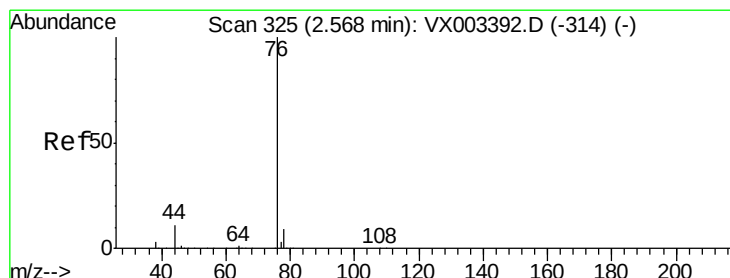
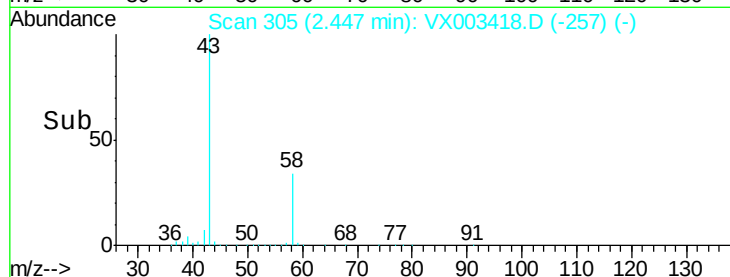
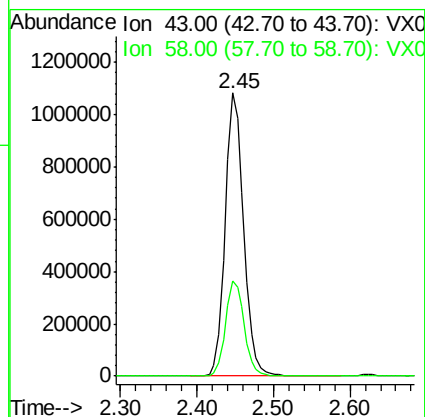
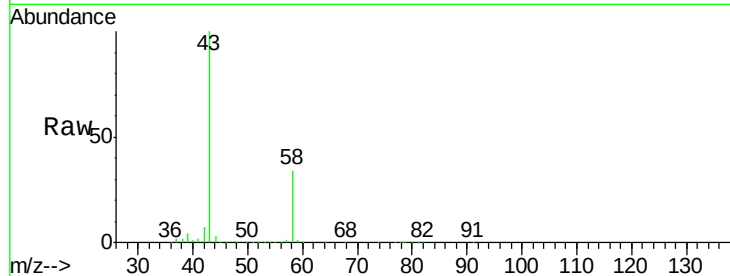
FM1041

Tot Ion: 43 Resp: 1802841

Ion Ratio Lower Upper

43 100

58 33.8 22.1 33.1#



#17

Carbon Disulfide

Concen: 0.53 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003418.D

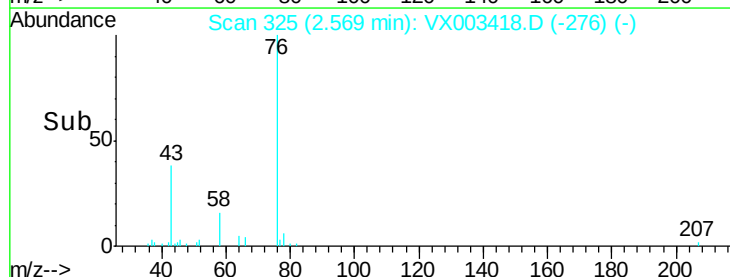
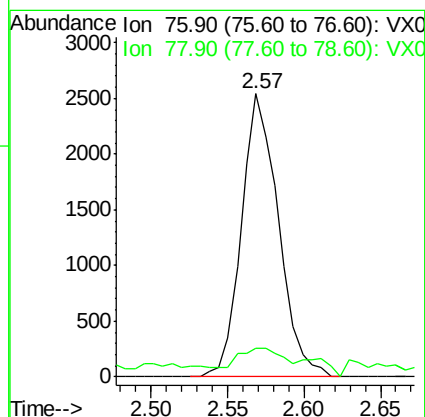
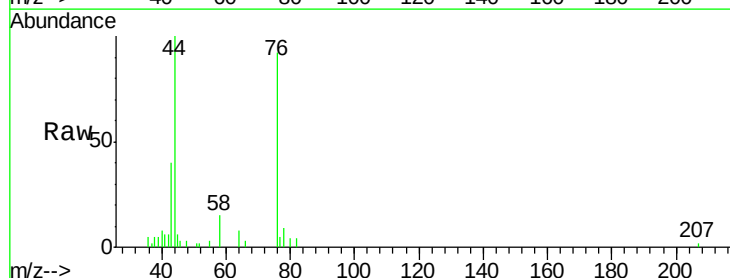
Acq: 17 Jul 2018 10:58

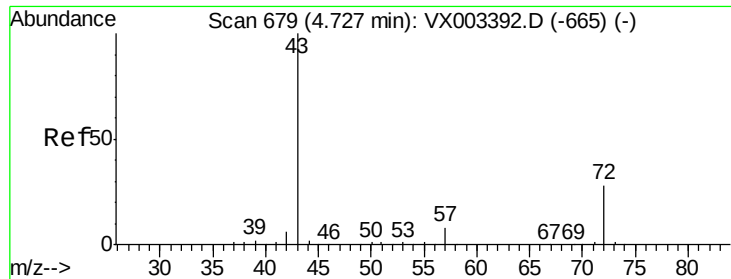
Tgt Ion: 76 Resp: 4257

Ion Ratio Lower Upper

76 100

78 10.0 6.9 10.3





#25

2-Butanone

Concen: 10.40 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX003418.D

Acq: 17 Jul 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

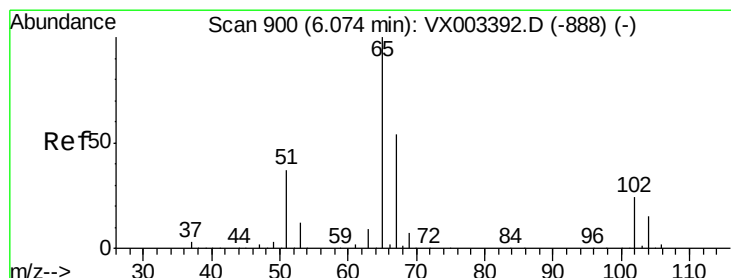
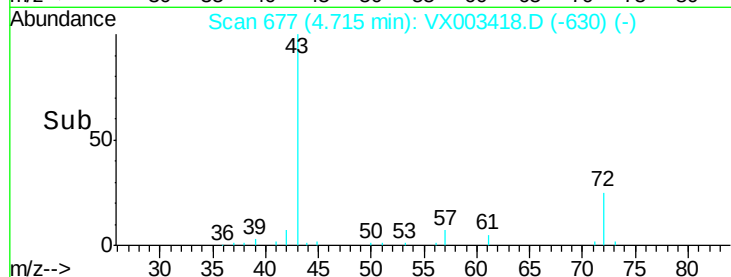
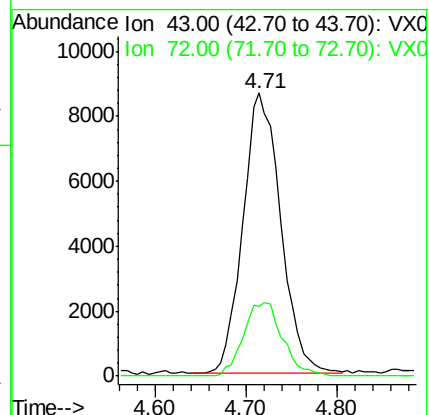
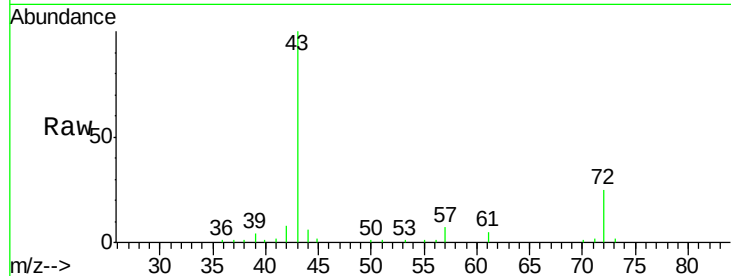
FM1041

Tot Ion: 43 Resp: 24819

Ion Ratio Lower Upper

43 100

72 24.8 18.5 27.7



#33

1,2-Dichloroethane-d4

Concen: 46.99 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003418.D

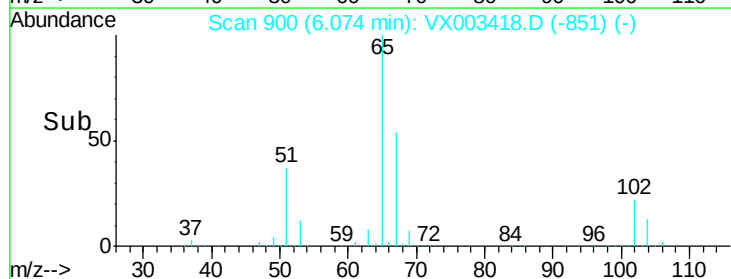
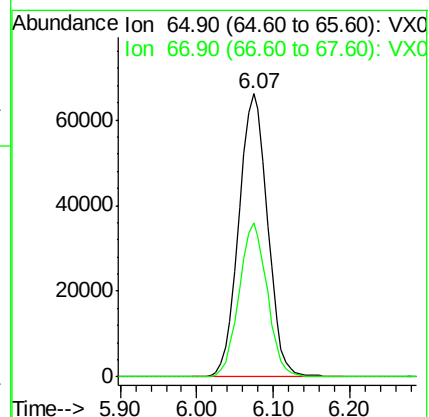
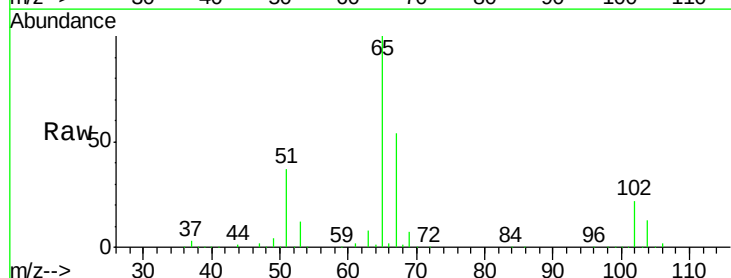
Acq: 17 Jul 2018 10:58

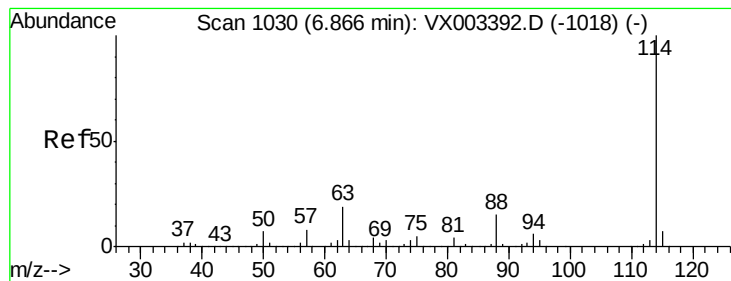
Tgt Ion: 65 Resp: 172309

Ion Ratio Lower Upper

65 100

67 53.2 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: VX003418.D

Acq: 17 Jul 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

FM1041

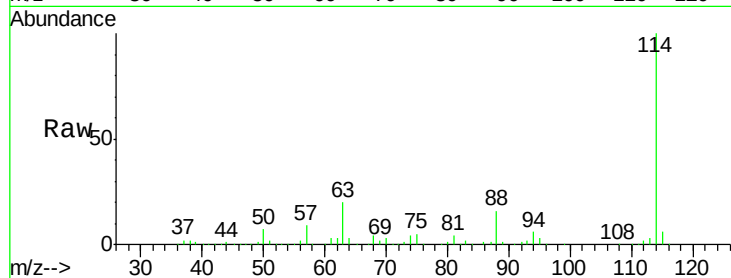
Tot Ion:114 Resp: 369280

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

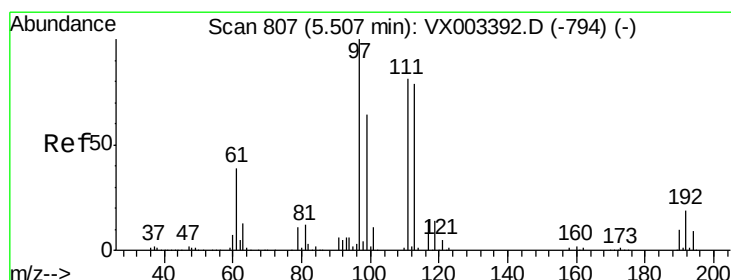
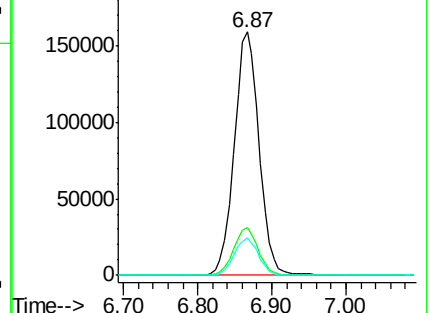
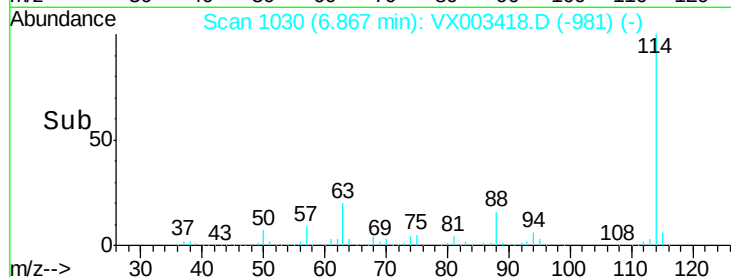
88 15.6 0.0 30.0



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: 50.71 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003418.D

Acq: 17 Jul 2018 10:58

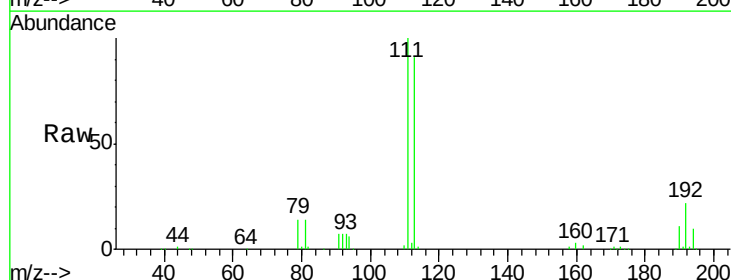
Tgt Ion:113 Resp: 151523

Ion Ratio Lower Upper

113 100

111 105.5 81.4 122.0

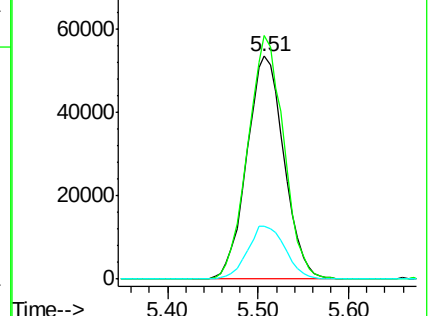
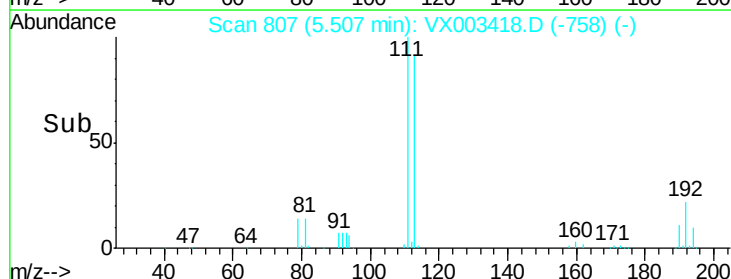
192 24.1 19.1 28.7

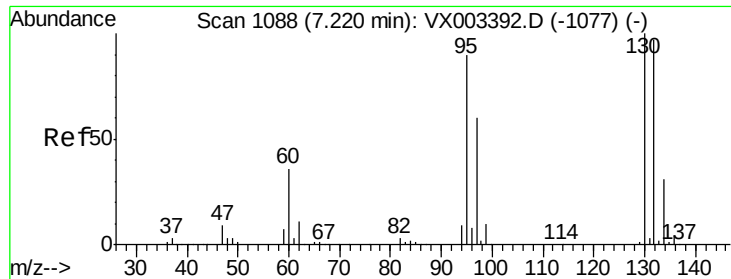


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.39 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX003418.D

Acq: 17 Jul 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

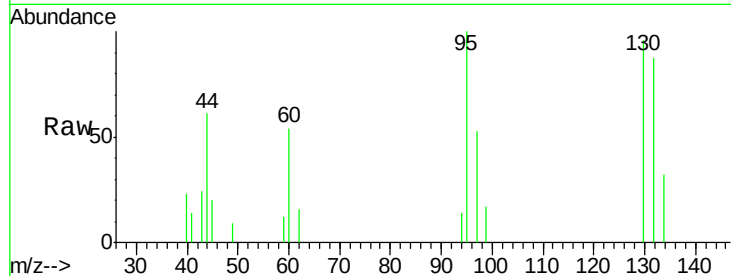
FM1041

Tot Ion:130 Resp: 1293

Ion Ratio Lower Upper

130 100

95 104.0 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

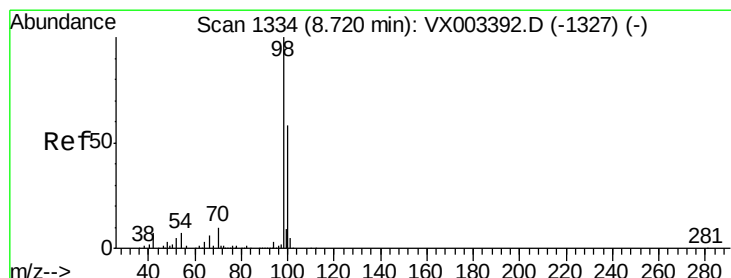
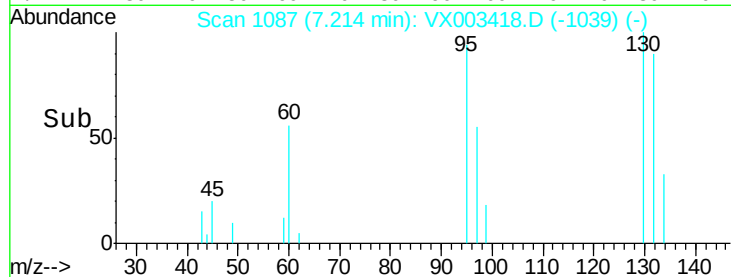
600

400

200

0

Time--> 7.15 7.20 7.25



#50

Toluene-d8

Concen: 53.89 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003418.D

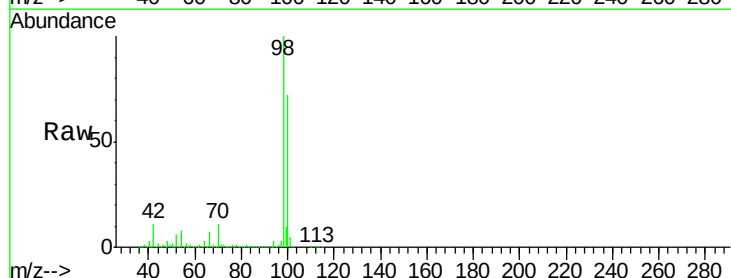
Acq: 17 Jul 2018 10:58

Tgt Ion: 98 Resp: 594182

Ion Ratio Lower Upper

98 100

100 64.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

400000

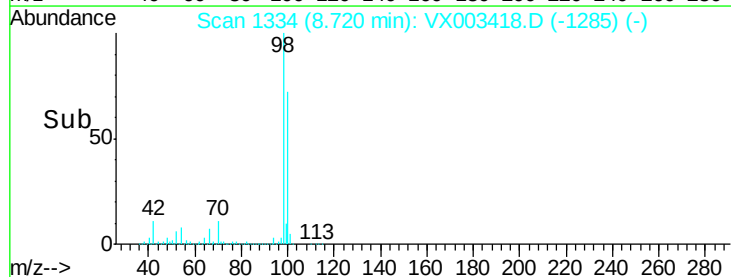
300000

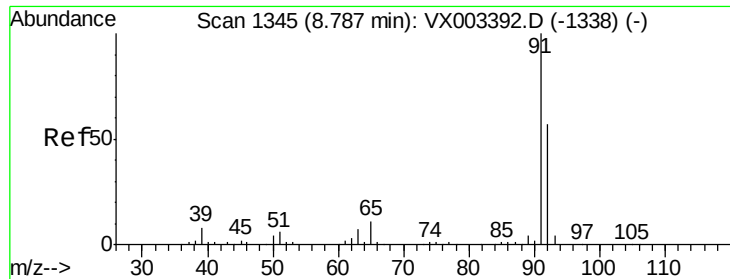
200000

100000

0

Time--> 8.60 8.70 8.80 8.90





#52

Toluene

Concen: 0.43 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003418.D

Acq: 17 Jul 2018 10:58

Instrument :

MSVOA_X

ClientSampled :

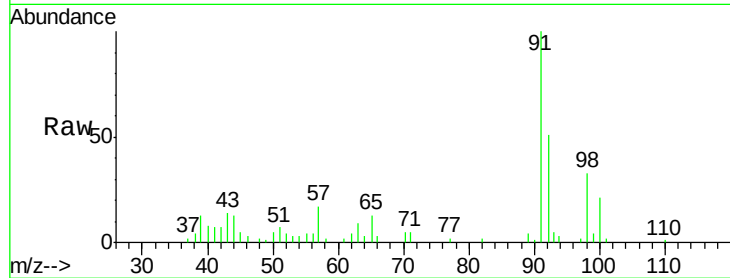
FM1041

Tot Ion: 92 Resp: 3091

Ion Ratio Lower Upper

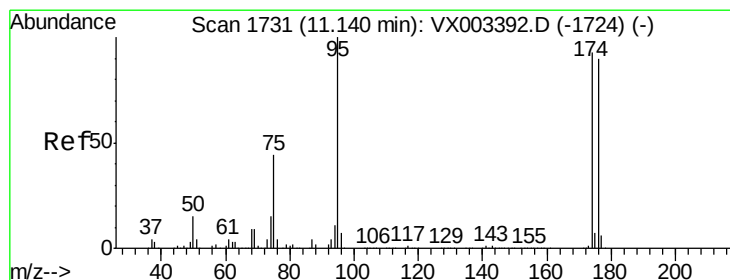
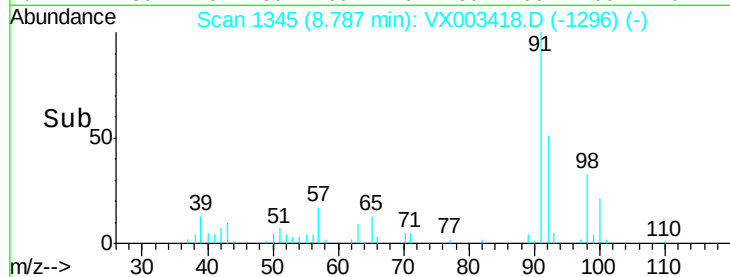
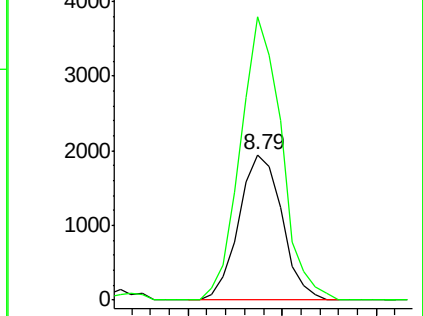
92 100

91 185.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 50.92 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003418.D

Acq: 17 Jul 2018 10:58

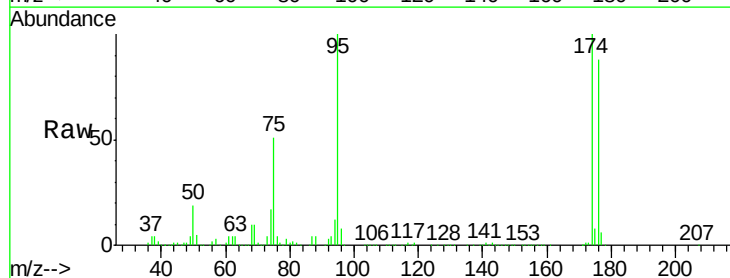
Tgt Ion: 95 Resp: 200441

Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.4

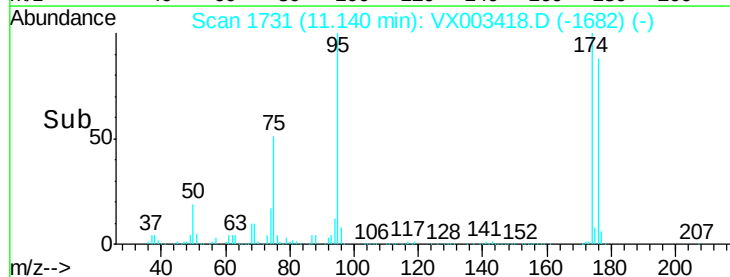
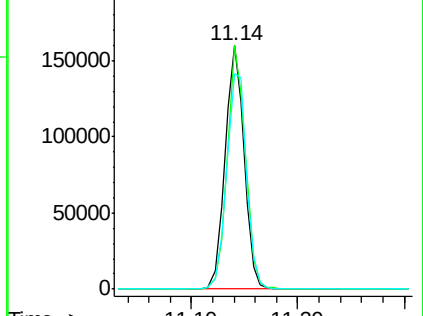
176 93.2 0.0 181.0

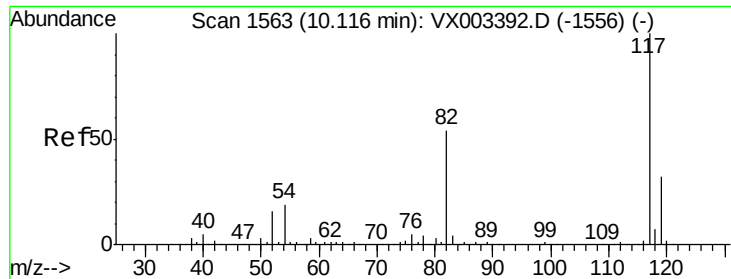


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

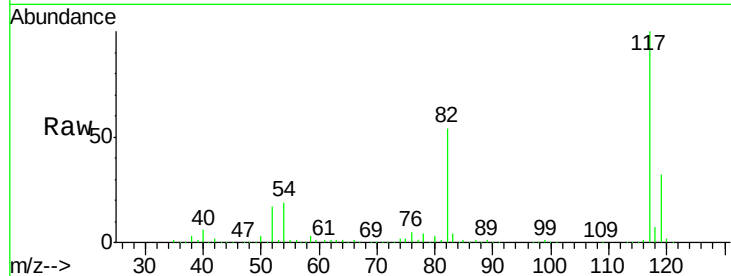




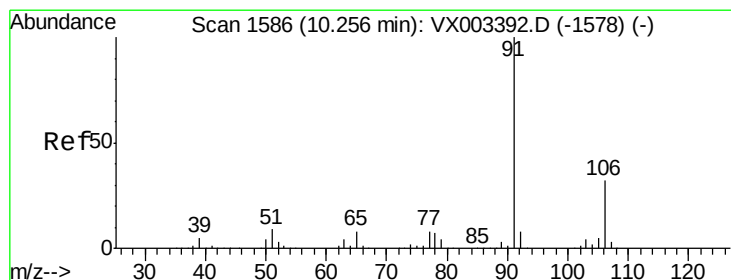
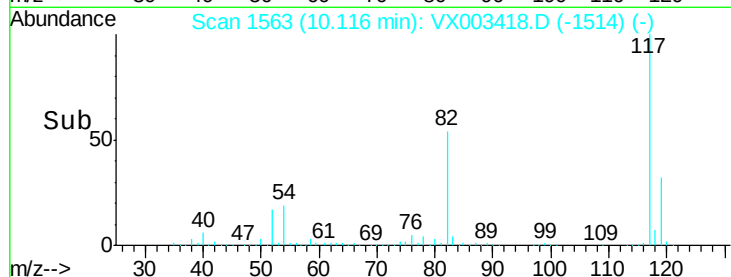
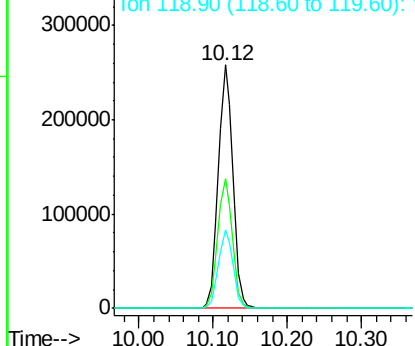
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003418.D
Acq: 17 Jul 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
FM1041

Tot Ion:117 Resp: 346483
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.3 25.8 38.6

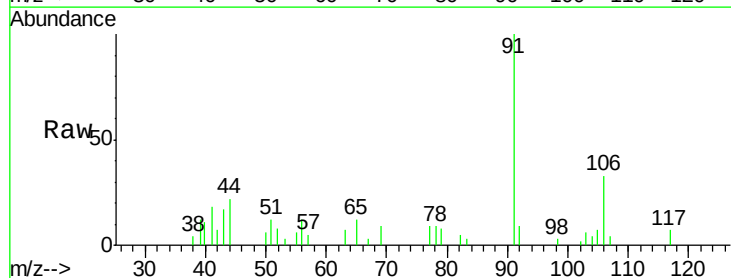


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

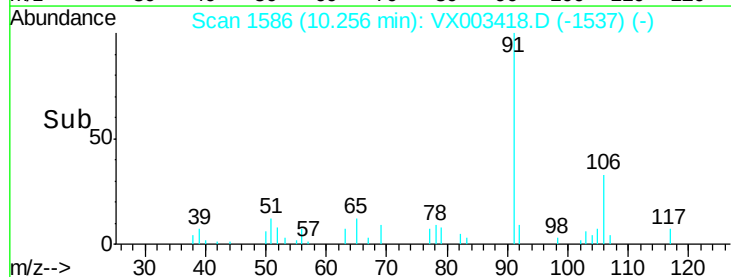
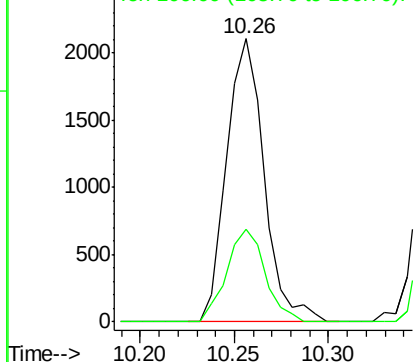


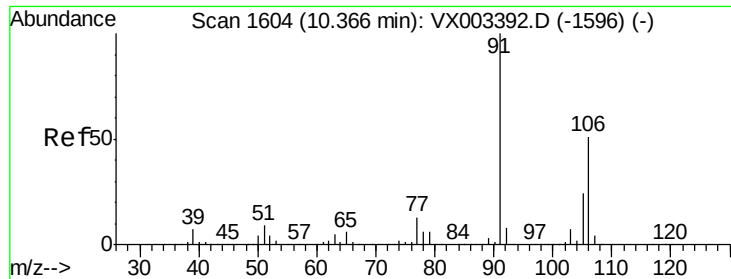
#67
Ethyl Benzene
Concen: 0.22 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003418.D
Acq: 17 Jul 2018 10:58

Tgt Ion: 91 Resp: 2905
Ion Ratio Lower Upper
91 100
106 32.9 25.5 38.3



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

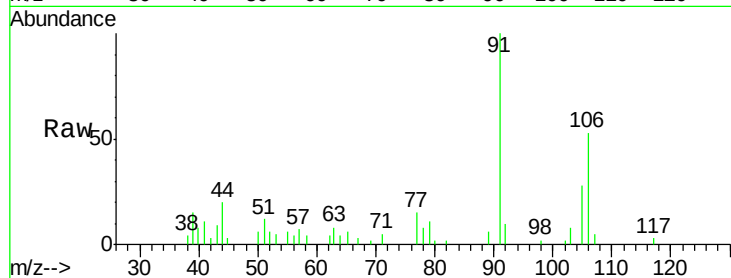




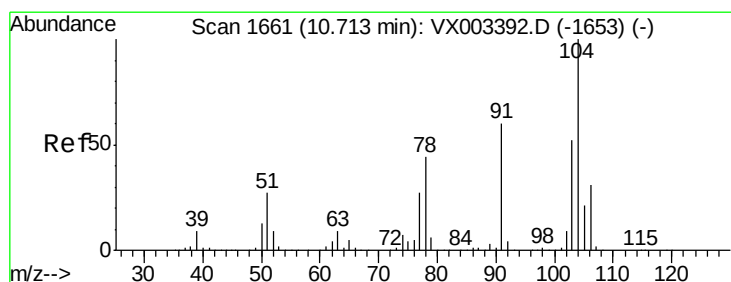
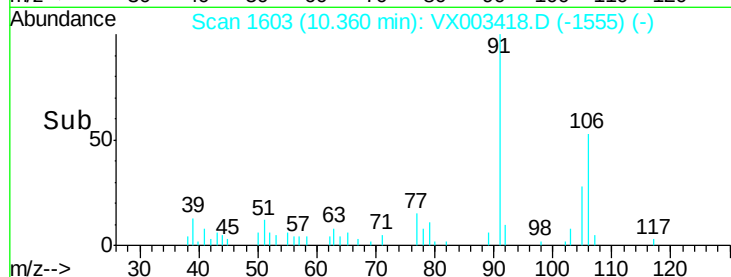
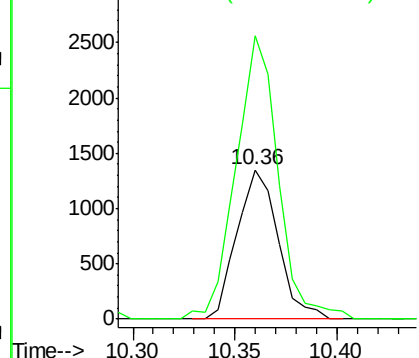
#68
m/p-Xylenes
Concen: 0.36 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX003418.D
Acq: 17 Jul 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
FM1041

Tot Ion:106 Resp: 1886
Ion Ratio Lower Upper
106 100
91 194.8 163.4 245.2

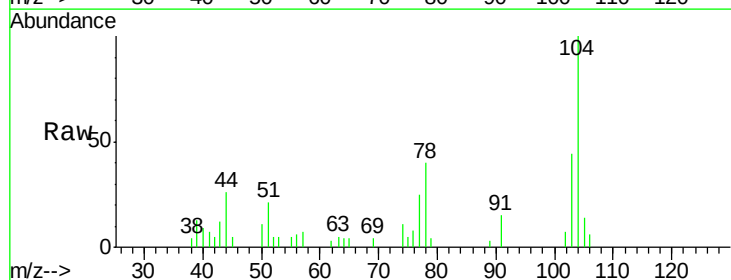


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

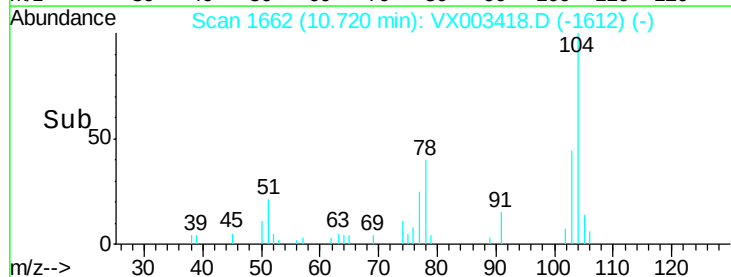
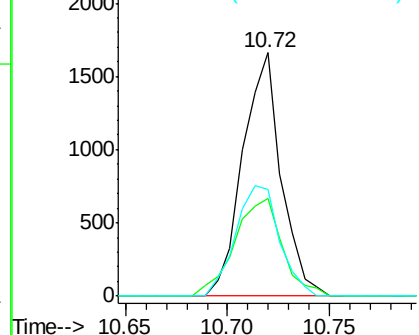


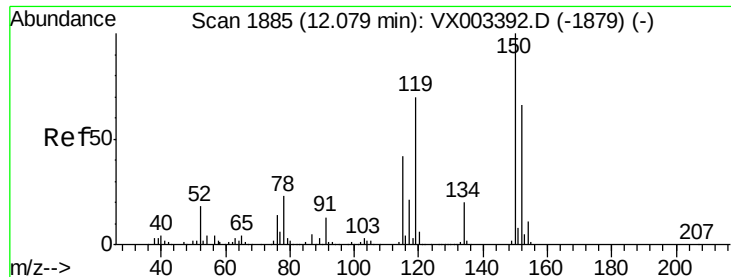
#70
Styrene
Concen: 0.27 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX003418.D
Acq: 17 Jul 2018 10:58

Tgt Ion:104 Resp: 2171
Ion Ratio Lower Upper
104 100
78 49.7 41.0 61.6
103 51.8 44.2 66.4



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

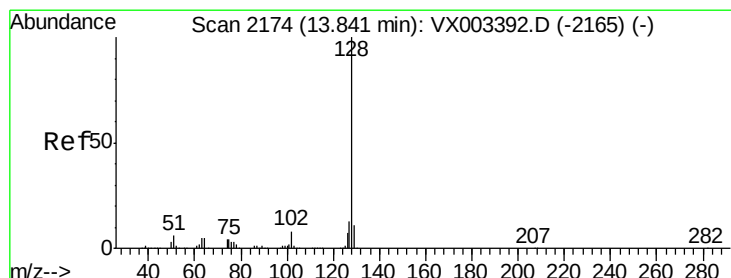
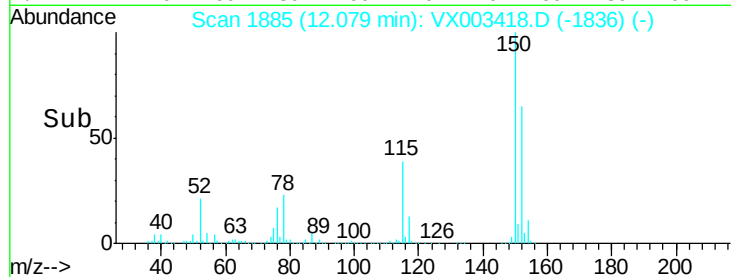
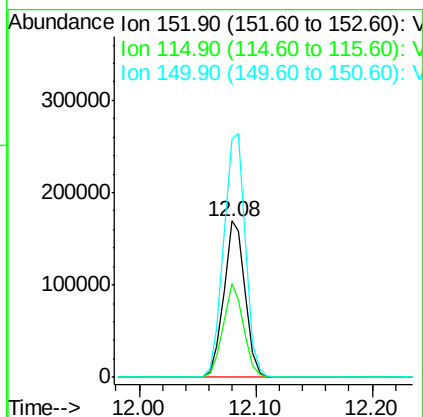
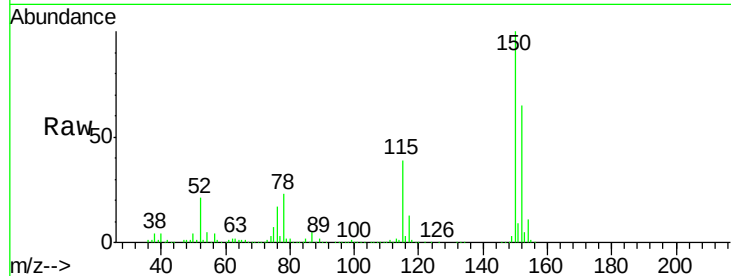




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. 0.00 min
 Lab File: VX003418.D
 Acq: 17 Jul 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 FM1041

Tot Ion:152 Resp: 211196
 Ion Ratio Lower Upper
 152 100
 115 57.9 40.1 120.2
 150 160.9 0.0 347.2



#95
 Naphthalene
 Concen: 40.13 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX003418.D
 Acq: 17 Jul 2018 10:58

Tgt Ion:128 Resp: 555703
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.0 8.6 13.0

