

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032718\
 Data File : VX000474.D
 Acq On : 27 Mar 2018 22:01
 Operator : JC/MD
 Sample : J2062-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 19643

Quant Time: Mar 28 08:09:27 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	106973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	194108	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	194013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	112492	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	79828	57.17	ug/l	0.00
Spiked Amount			Recovery	=	114.34%	
35) Dibromofluoromethane	5.52	113	61556	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	8.73	98	243339	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.15	95	94790	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

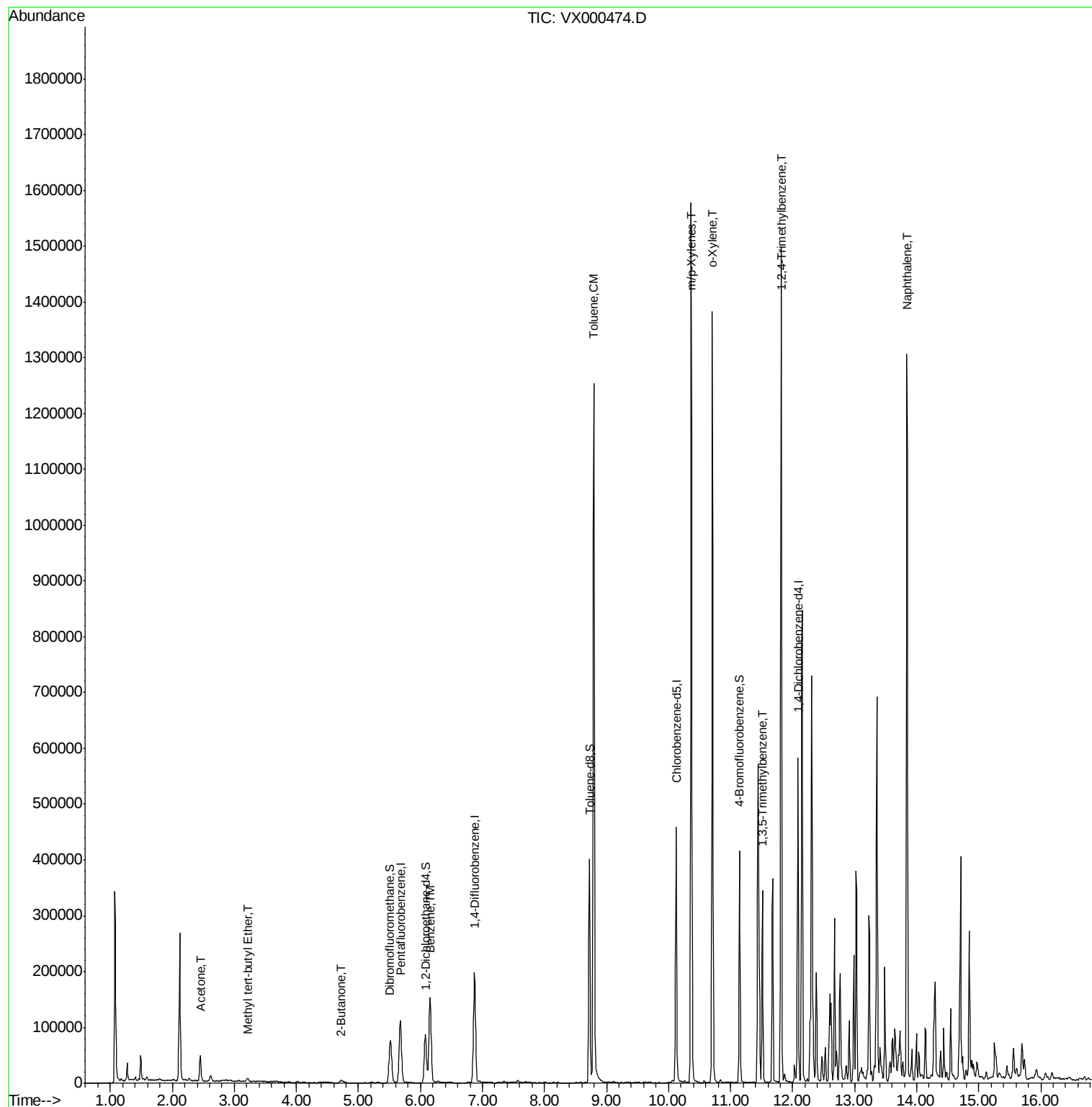
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	48036	41.35	ug/l	95
19) Methyl tert-butyl Ether	3.22	73	4992	1.16	ug/l	94
25) 2-Butanone	4.72	43	8160	6.25	ug/l #	90
40) Benzene	6.15	78	179711	34.04	ug/l	98
52) Toluene	8.79	92	454479	123.12	ug/l	99
68) m/p-Xylenes	10.37	106	357788	124.23	ug/l	98
69) o-Xylene	10.71	106	282355	101.25	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	142494	22.74	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	628513	95.66	ug/l	100
95) Naphthalene	13.84	128	757424	82.40	ug/l	100

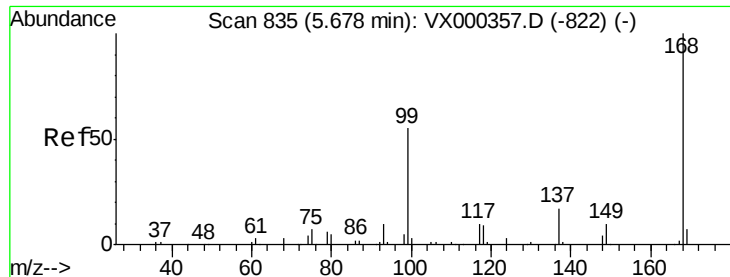
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000474.D

Acq: 27 Mar 2018 22:01

Instrument :

MSVOA_X

ClientSampled :

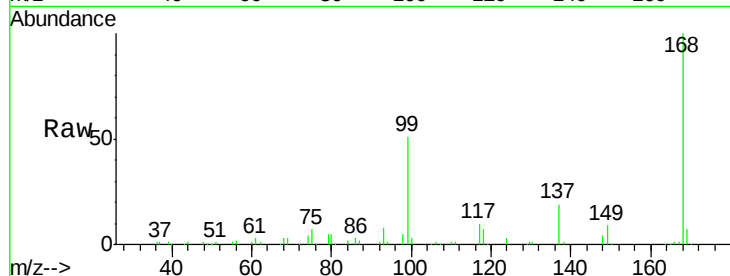
19643

Tot Ion:168 Resp: 106973

Ion Ratio Lower Upper

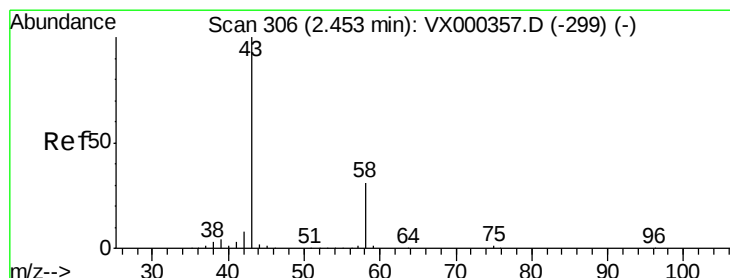
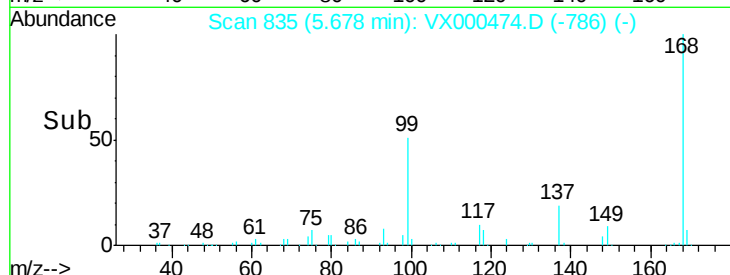
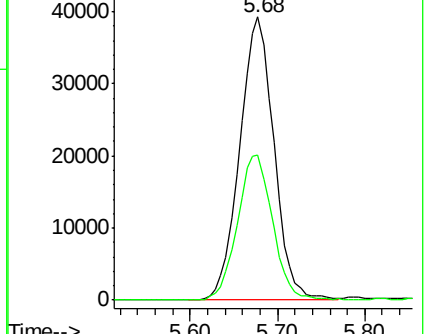
168 100

99 51.1 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: 41.35 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000474.D

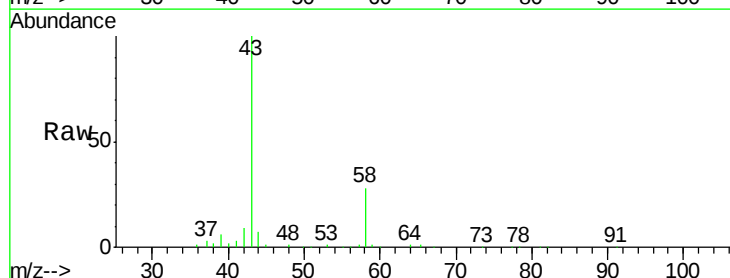
Acq: 27 Mar 2018 22:01

Tgt Ion: 43 Resp: 48036

Ion Ratio Lower Upper

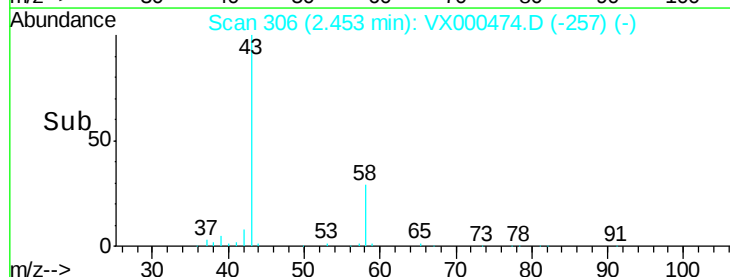
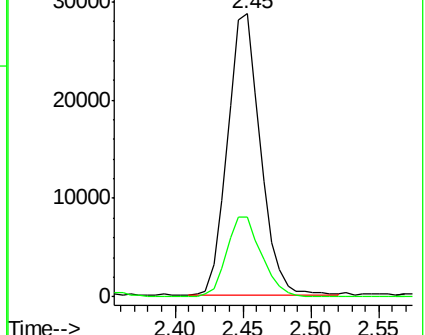
43 100

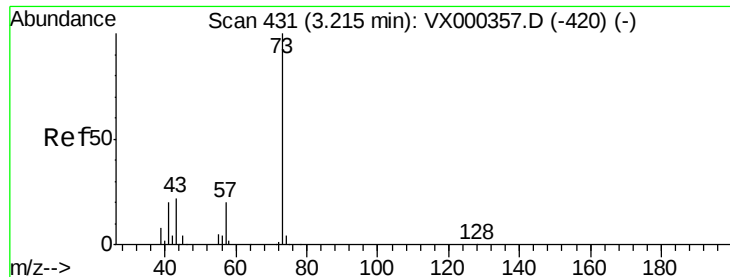
58 28.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

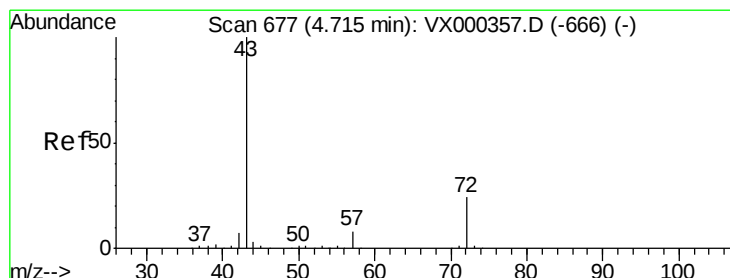
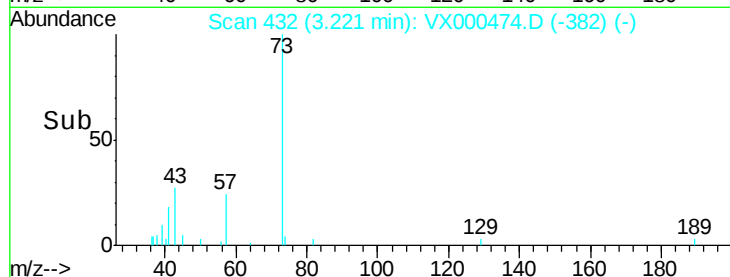
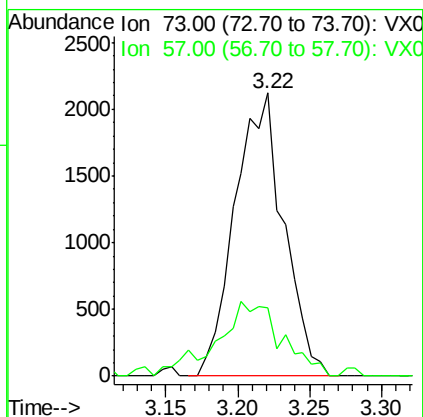
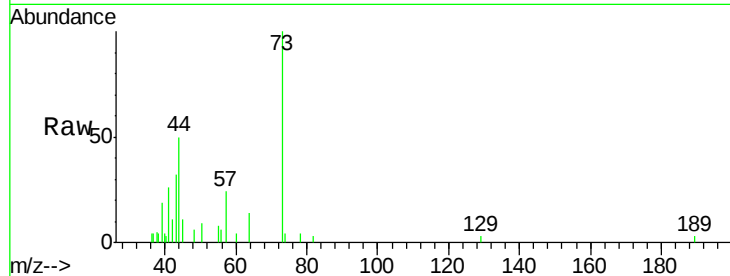




#19
Methvl tert-butvl Ether
Concen: 1.16 ug/l
RT: 3.22 min Scan# 432
Delta R.T. 0.01 min
Lab File: VX000474.D
Acq: 27 Mar 2018 22:01

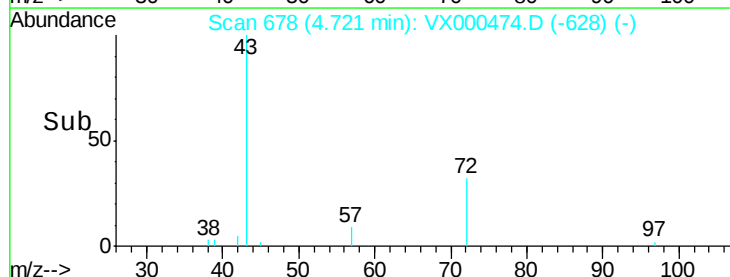
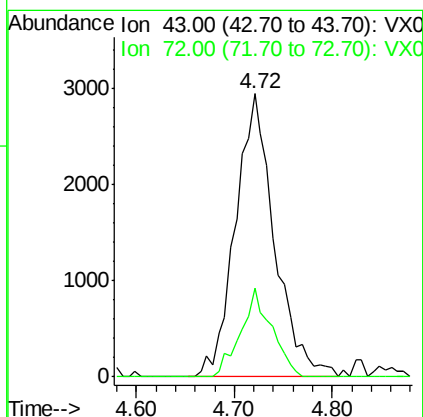
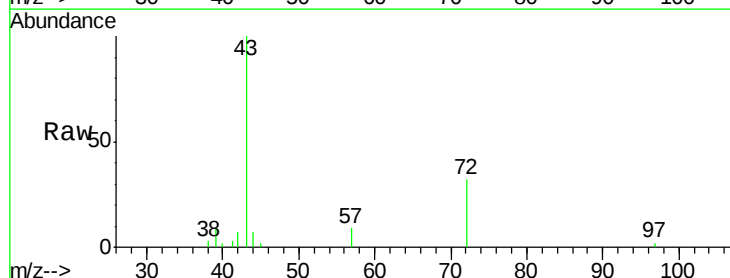
Instrument :
MSVOA_X
ClientSampleId :
19643

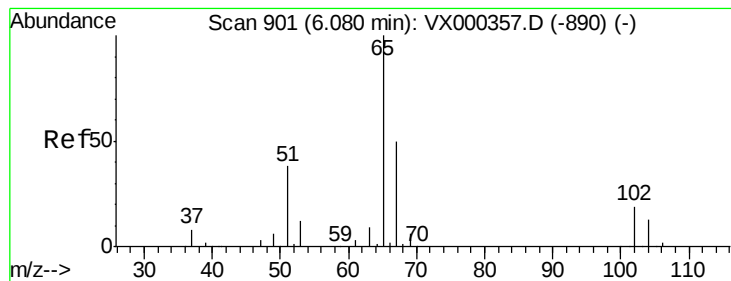
Tot Ion: 73 Resp: 4992
Ion Ratio Lower Upper
73 100
57 24.3 17.2 25.8



#25
2-Butanone
Concen: 6.25 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX000474.D
Acq: 27 Mar 2018 22:01

Tgt Ion: 43 Resp: 8160
Ion Ratio Lower Upper
43 100
72 31.6 21.0 31.6#





#33

1,2-Dichloroethane-d4

Concen: 57.17 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000474.D

Acq: 27 Mar 2018 22:01

Instrument :

MSVOA_X

ClientSampleId :

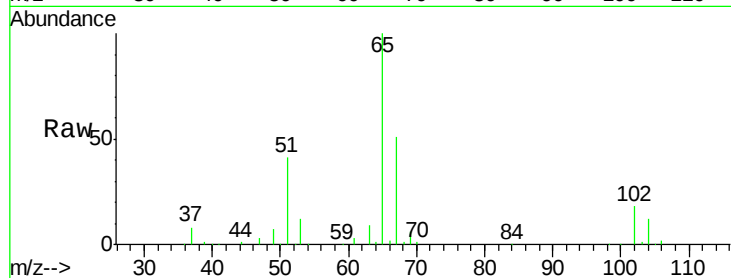
19643

Tot Ion: 65 Resp: 79828

Ion Ratio Lower Upper

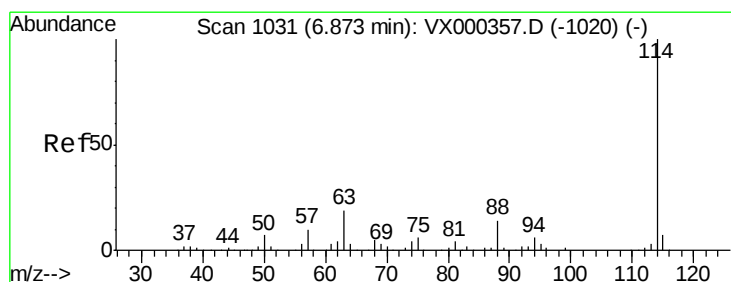
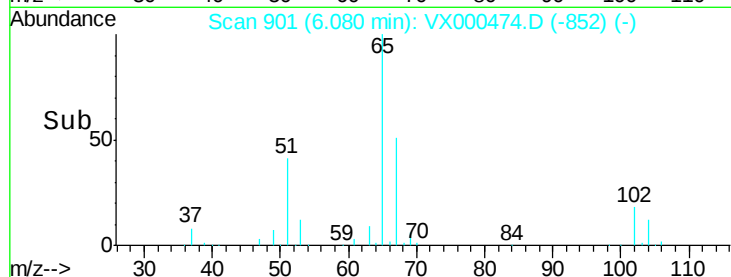
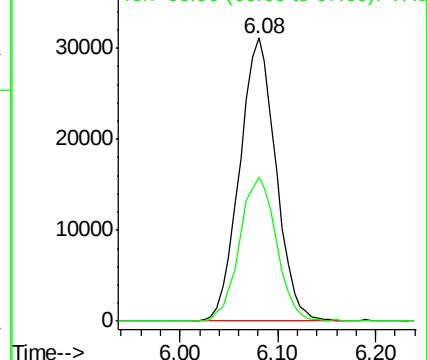
65 100

67 51.6 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: VX000474.D

Acq: 27 Mar 2018 22:01

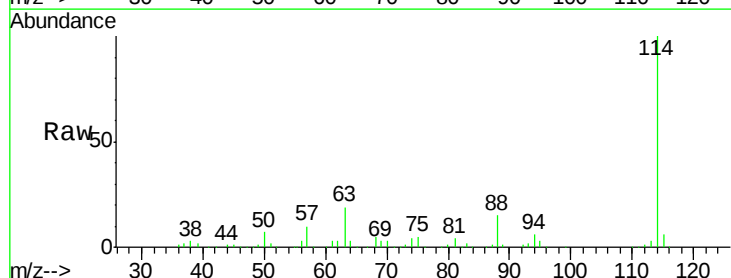
Tgt Ion: 114 Resp: 194108

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

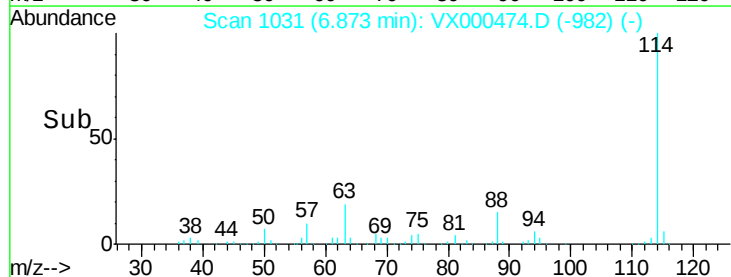
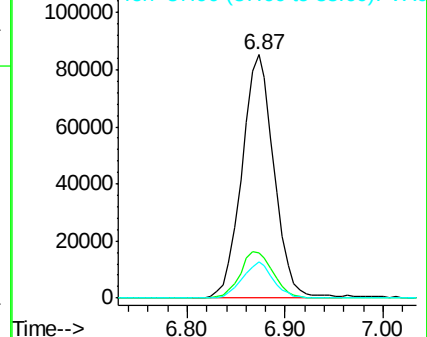
88 14.7 0.0 27.0

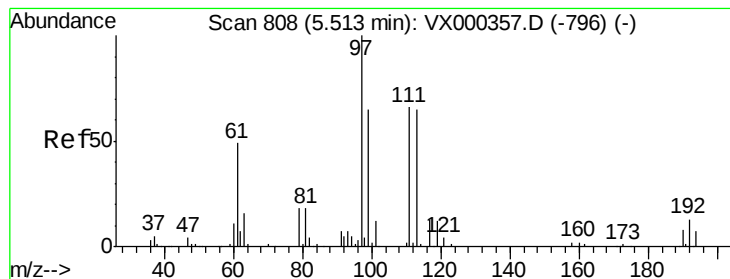


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.33 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000474.D

Acq: 27 Mar 2018 22:01

Instrument :

MSVOA_X

ClientSampleId :

19643

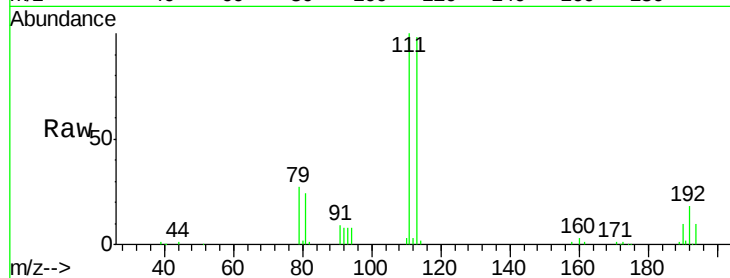
Tot Ion:113 Resp: 61556

Ion Ratio Lower Upper

113 100

111 101.3 82.4 123.6

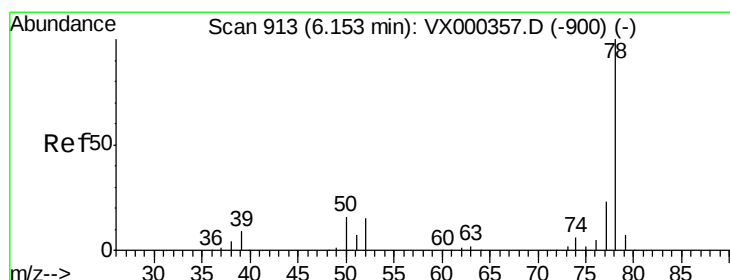
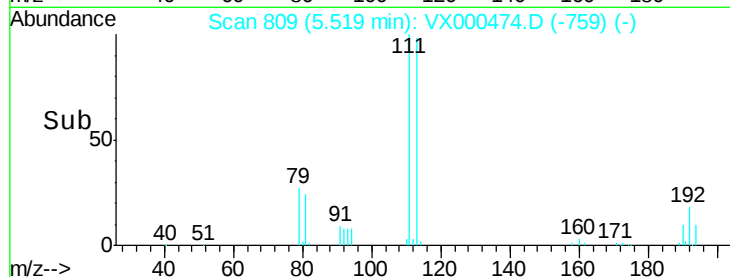
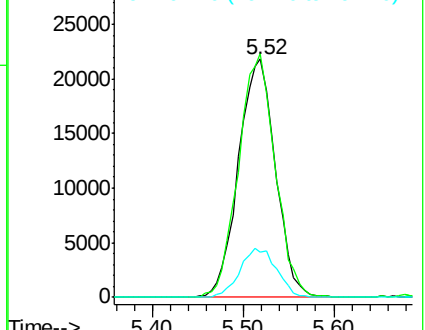
192 20.3 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#40

Benzene

Concen: 34.04 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX000474.D

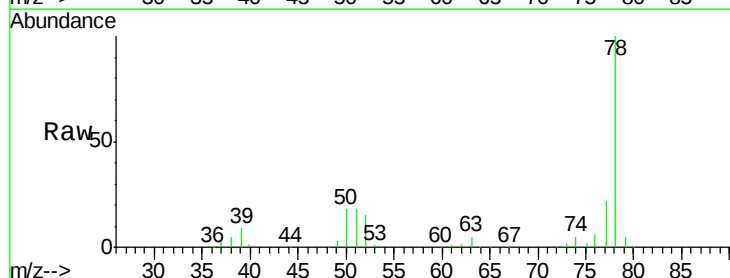
Acq: 27 Mar 2018 22:01

Tgt Ion: 78 Resp: 179711

Ion Ratio Lower Upper

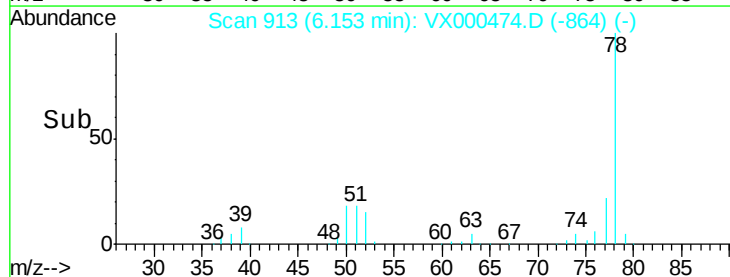
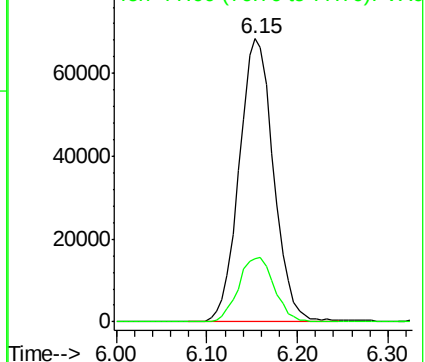
78 100

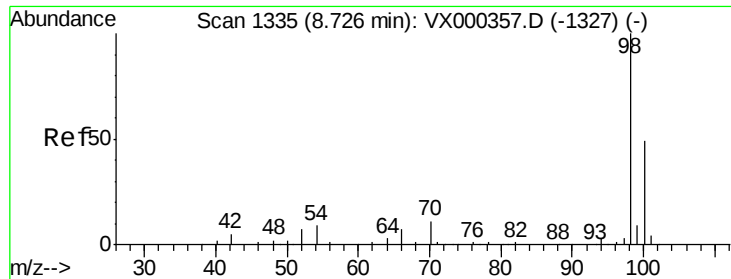
77 22.4 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

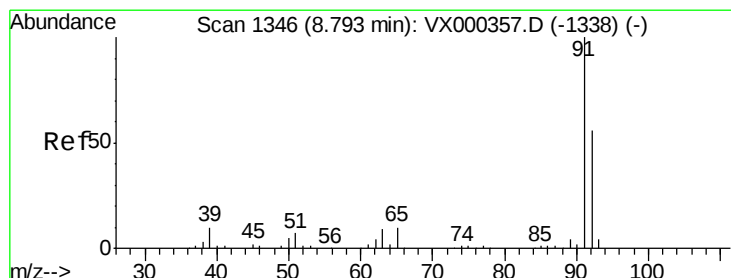
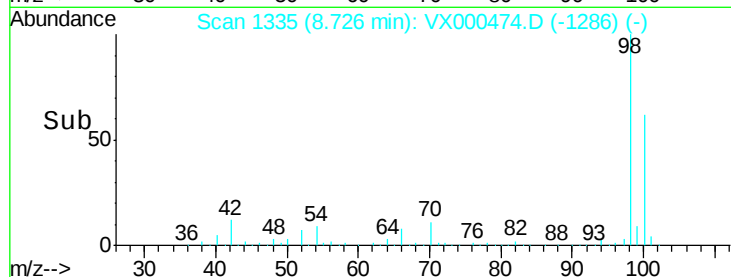
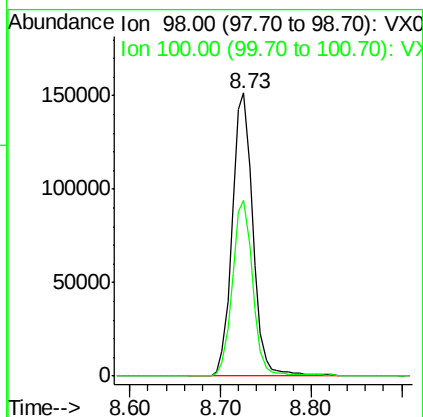
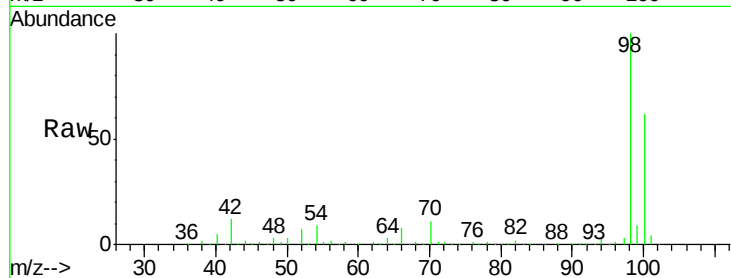




#50
Toluene-d8
Concen: 48.04 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000474.D
Acq: 27 Mar 2018 22:01

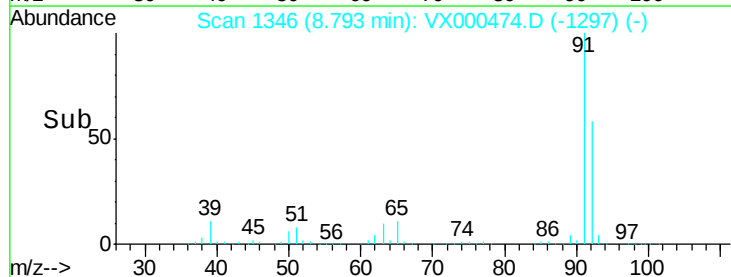
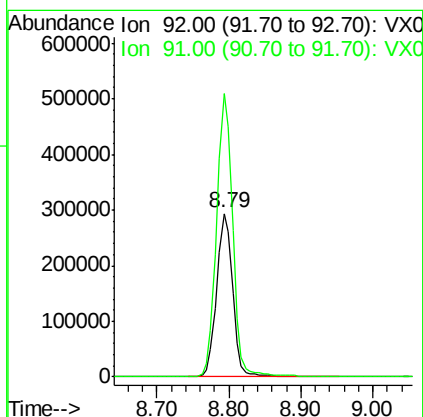
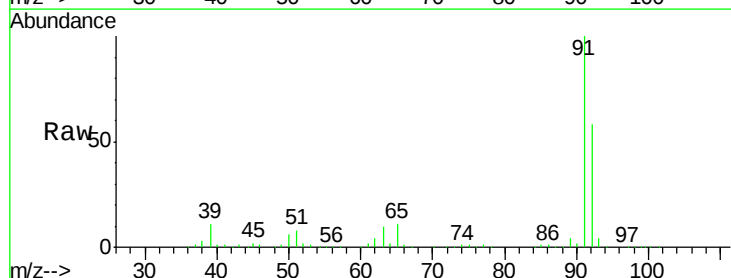
Instrument :
MSVOA_X
ClientSampleId :
19643

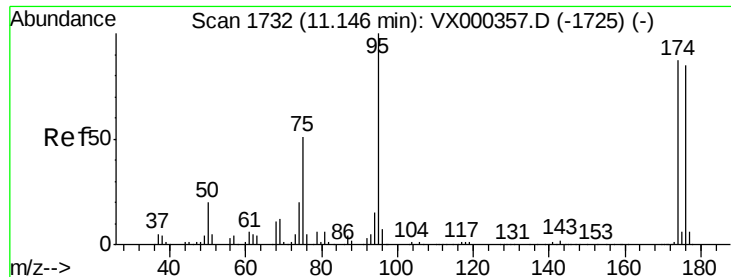
Tot Ion: 98 Resp: 243339
Ion Ratio Lower Upper
98 100
100 61.3 51.2 76.8



#52
Toluene
Concen: 123.12 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX000474.D
Acq: 27 Mar 2018 22:01

Tgt Ion: 92 Resp: 454479
Ion Ratio Lower Upper
92 100
91 174.5 140.2 210.2





#62

4-Bromofluorobenzene

Concen: 44.99 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000474.D

Acq: 27 Mar 2018 22:01

Instrument :

MSVOA_X

ClientSampleId :

19643

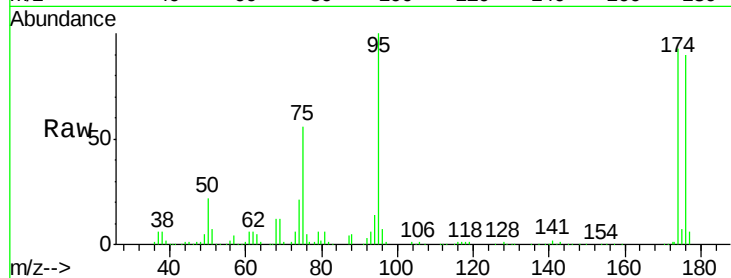
Tot Ion: 95 Resp: 94790

Ion Ratio Lower Upper

95 100

174 89.9 0.0 173.6

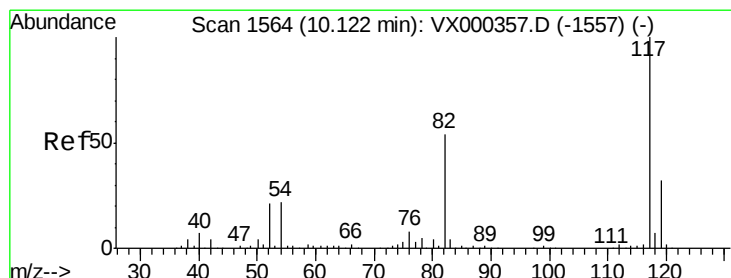
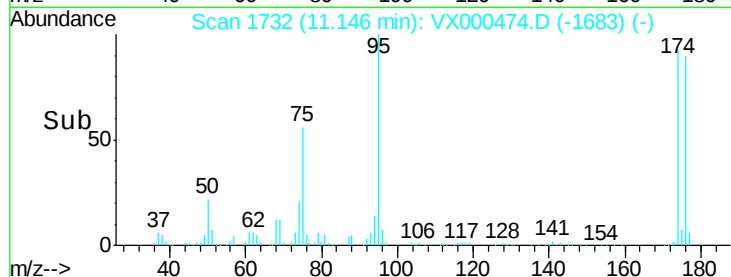
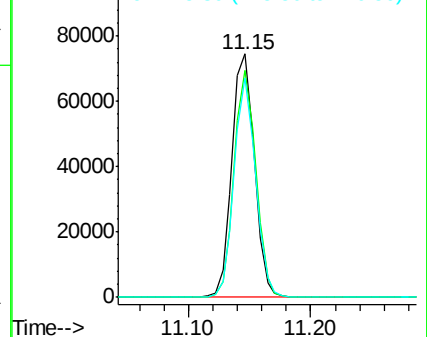
176 86.0 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000474.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000474.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000474.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000474.D

Acq: 27 Mar 2018 22:01

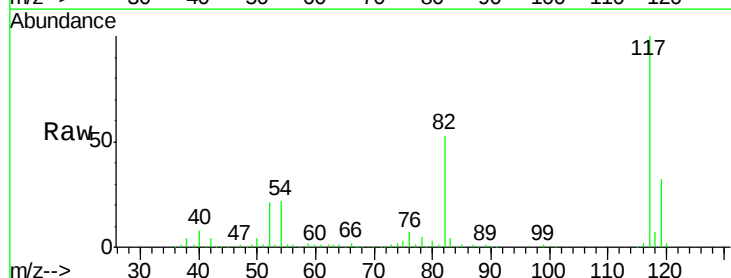
Tgt Ion: 117 Resp: 194013

Ion Ratio Lower Upper

117 100

82 53.4 43.8 65.8

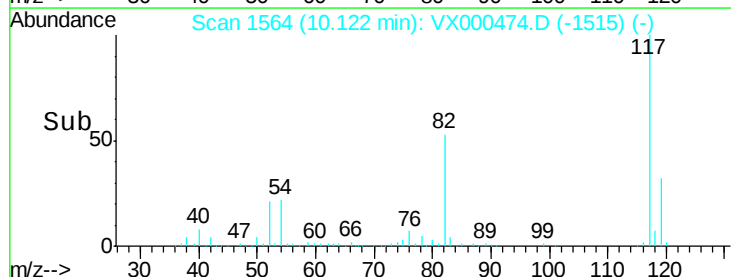
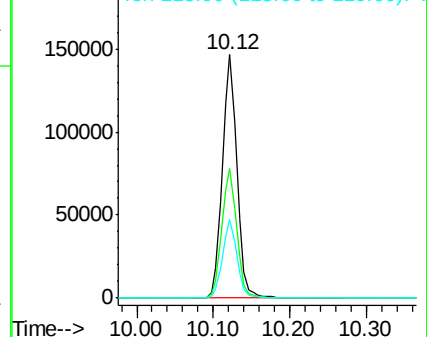
119 32.4 24.9 37.3

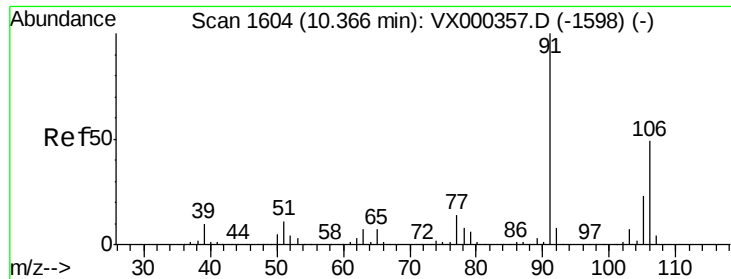


Abundance Ion 116.90 (116.60 to 117.60): VX000474.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000474.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000474.D (-1515) (-)

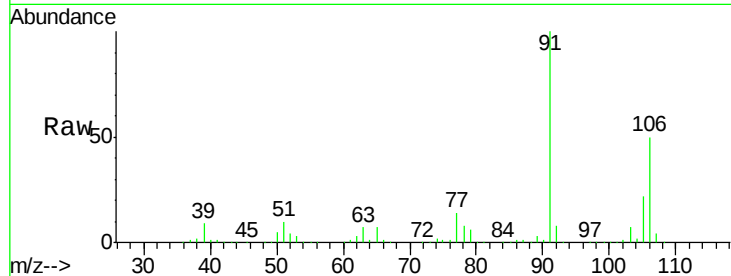




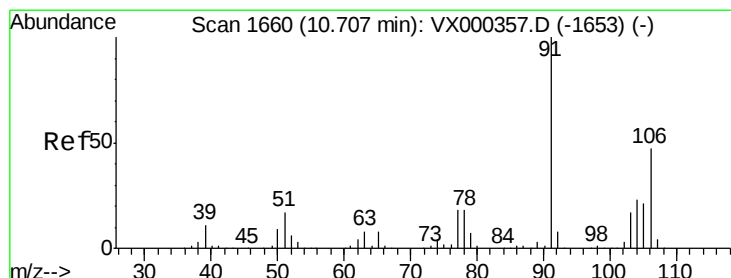
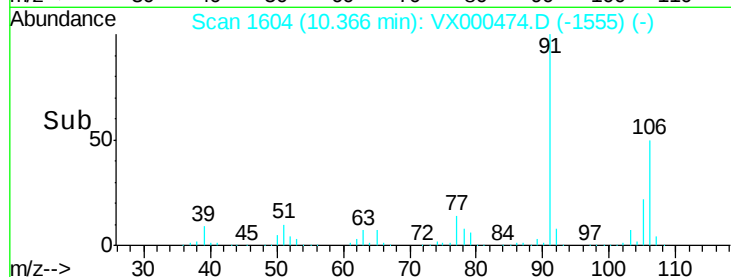
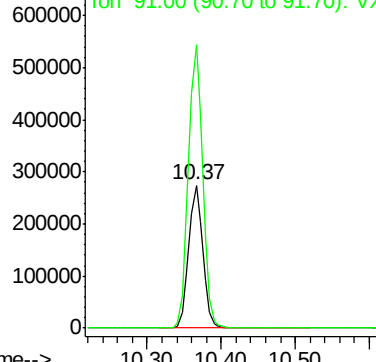
#68
m/p-Xvlenes
Concen: 124.23 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000474.D
Acq: 27 Mar 2018 22:01

Instrument :
MSVOA_X
ClientSampled :
19643

Tot Ion:106 Resp: 357788
Ion Ratio Lower Upper
106 100
91 201.9 163.4 245.2

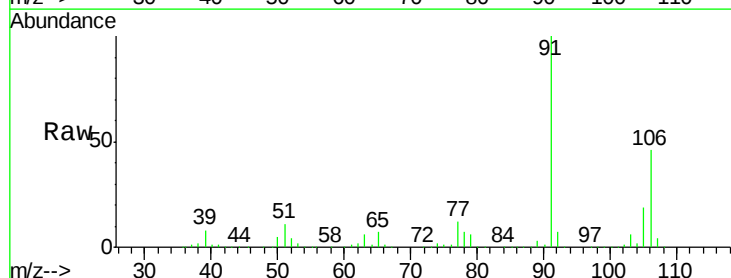


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

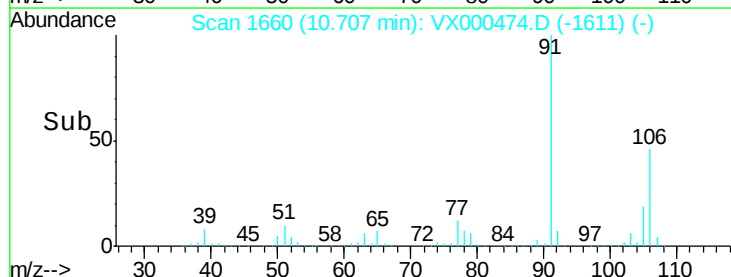
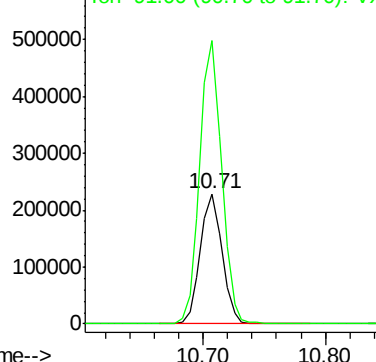


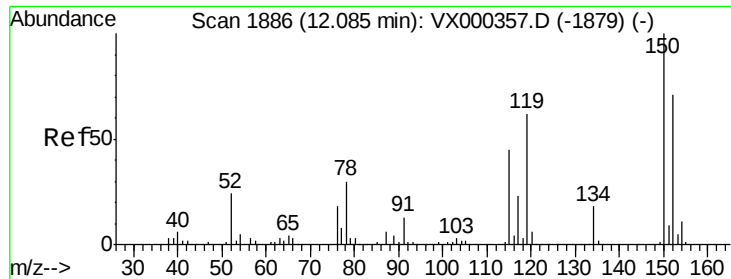
#69
o-Xylene
Concen: 101.25 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000474.D
Acq: 27 Mar 2018 22:01

Tgt Ion:106 Resp: 282355
Ion Ratio Lower Upper
106 100
91 218.6 106.5 319.6



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: VX000474.D

Acq: 27 Mar 2018 22:01

Instrument :

MSVOA_X

ClientSampleId :

19643

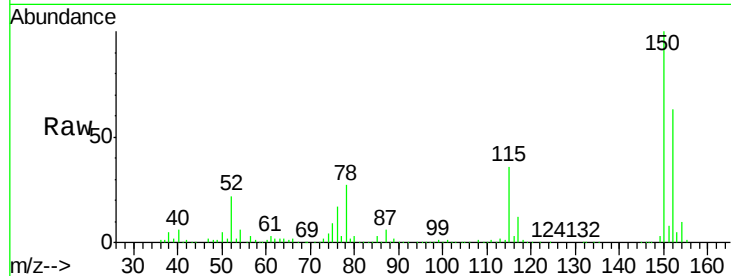
Tot Ion:152 Resp: 112492

Ion Ratio Lower Upper

152 100

115 57.1 39.8 119.3

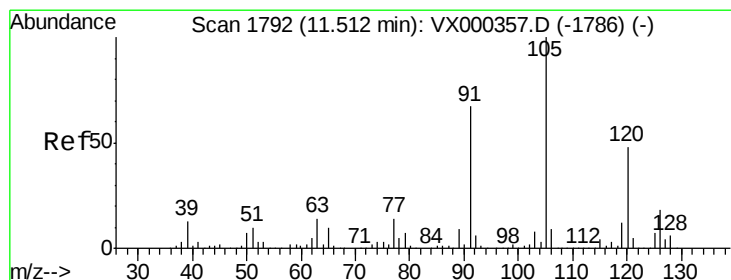
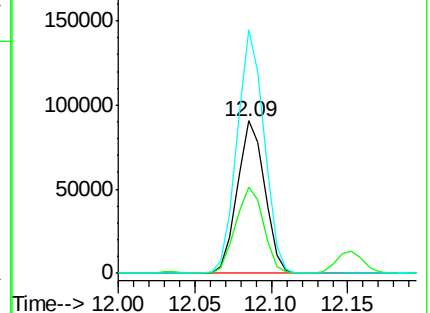
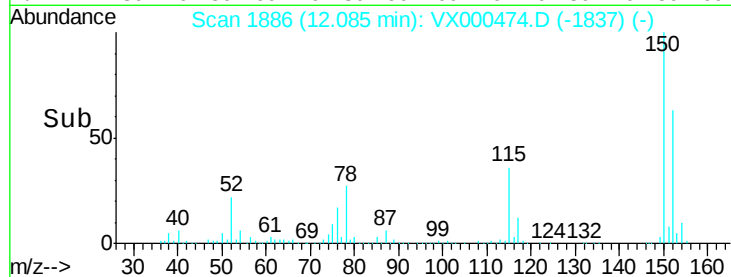
150 157.7 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.74 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000474.D

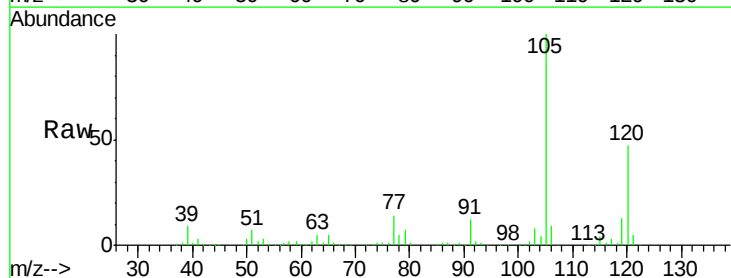
Acq: 27 Mar 2018 22:01

Tgt Ion:105 Resp: 142494

Ion Ratio Lower Upper

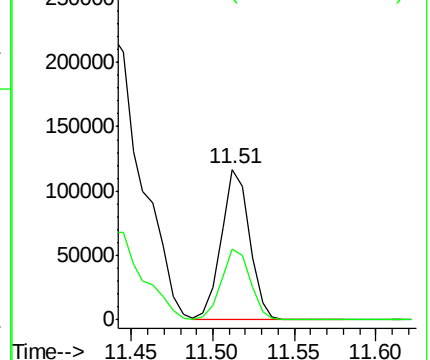
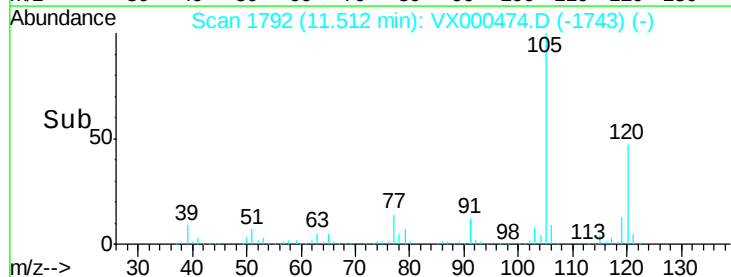
105 100

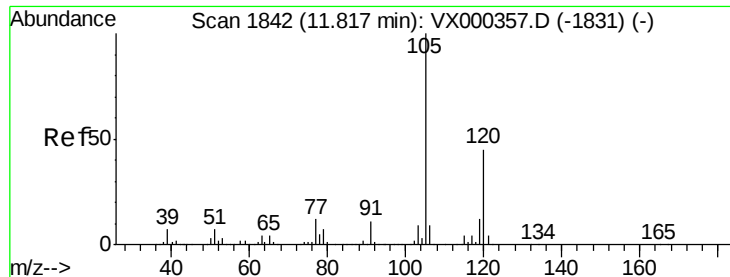
120 48.2 24.1 72.4



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: 95.66 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000474.D

Acq: 27 Mar 2018 22:01

Instrument :

MSVOA_X

ClientSampled :

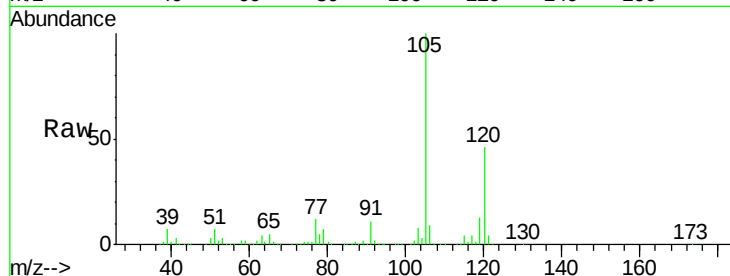
19643

Tot Ion:105 Resp: 628513

Ion Ratio Lower Upper

105 100

120 44.8 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

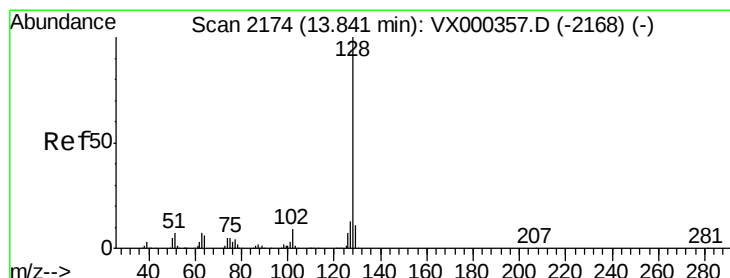
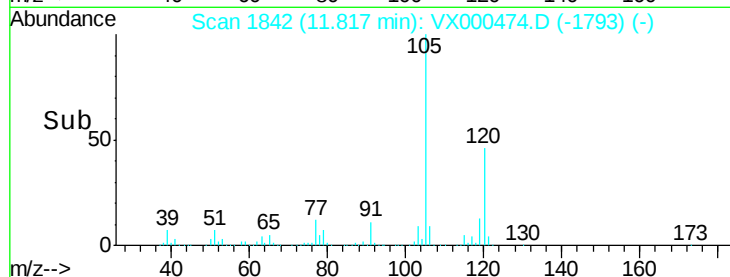
0

11.82

11.80

11.90

Time-->



#95

Naphthalene

Concen: 82.40 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000474.D

Acq: 27 Mar 2018 22:01

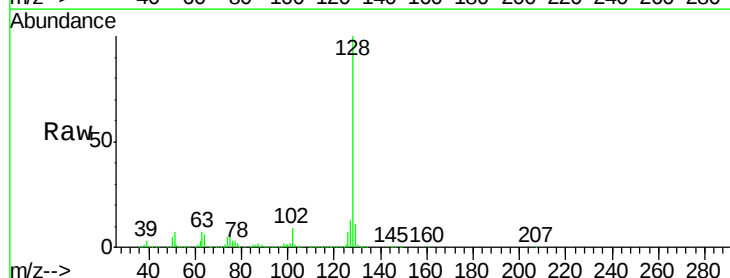
Tgt Ion:128 Resp: 757424

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.9 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

800000

600000

400000

200000

0

13.84

13.80

13.90

Time-->

