

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010491.D
 Acq On : 27 Jun 2019 16:06
 Operator : JC/SP
 Sample : K3565-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0573

Quant Time: Jun 28 07:33:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

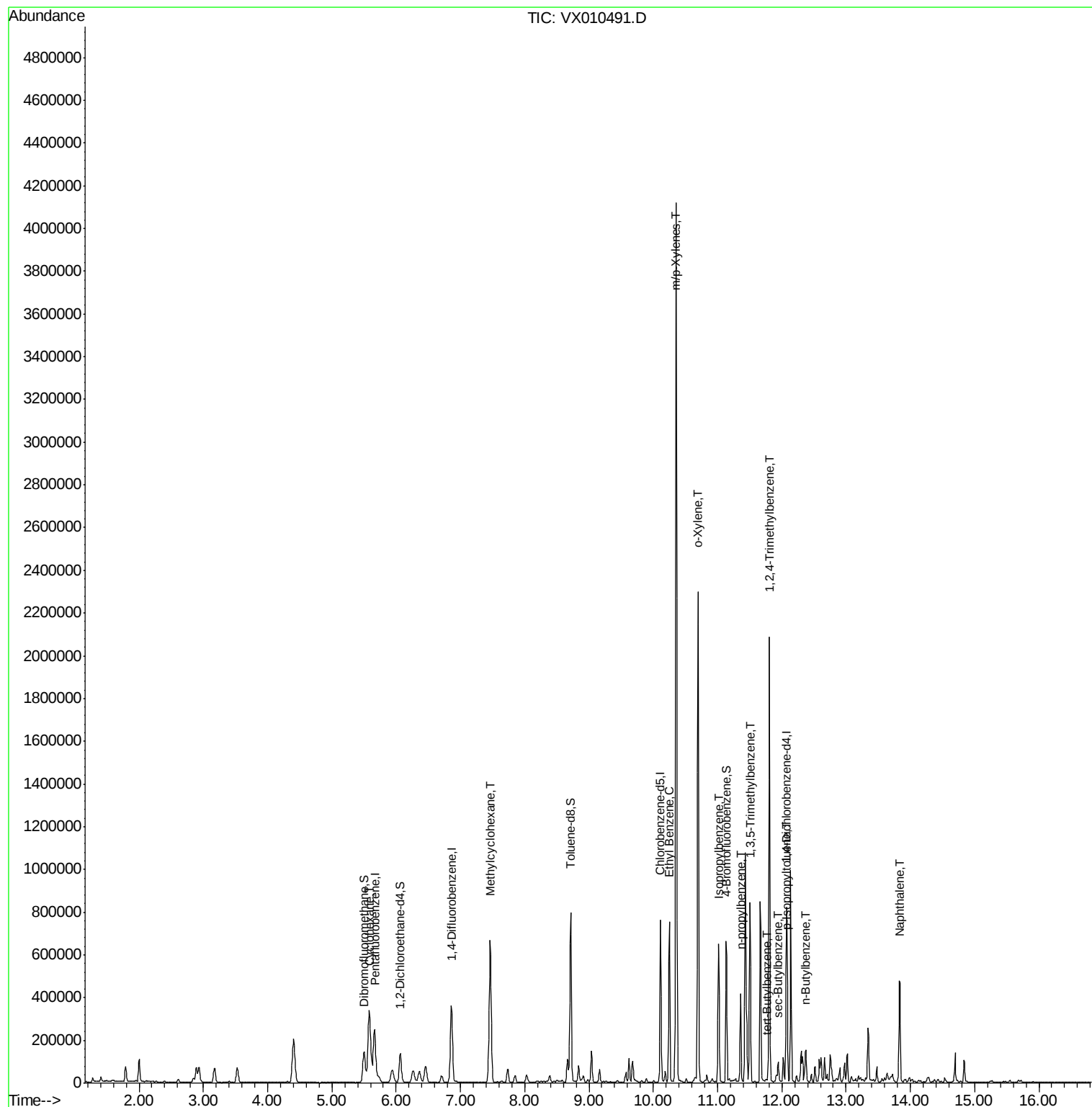
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400234	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	368577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181357	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	121882	49.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.54%	
35) Dibromofluoromethane	5.50	113	120823	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	479052	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	165109	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	238623	67.453	ug/l	96
39) Methylcyclohexane	7.46	83	318504	76.185	ug/l	96
67) Ethyl Benzene	10.25	91	429308	33.984	ug/l	100
68) m/p-Xylenes	10.35	106	991890	202.640	ug/l	99
69) o-Xylene	10.69	106	531229	110.360	ug/l	100
73) Isopropylbenzene	11.02	105	347887	28.298	ug/l	99
78) n-propylbenzene	11.36	91	254649	18.847	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	364590	35.974	ug/l	99
83) tert-Butylbenzene	11.76	119	4000	0.393	ug/l #	43
84) 1,2,4-Trimethylbenzene	11.80	105	897176	88.112	ug/l	99
85) sec-Butylbenzene	11.94	105	46480	3.892	ug/l	96
86) p-Isopropyltoluene	12.06	119	32165	2.912	ug/l	99
89) n-Butylbenzene	12.38	91	20746	2.210	ug/l #	16
95) Naphthalene	13.83	128	314411	24.773	ug/l	99

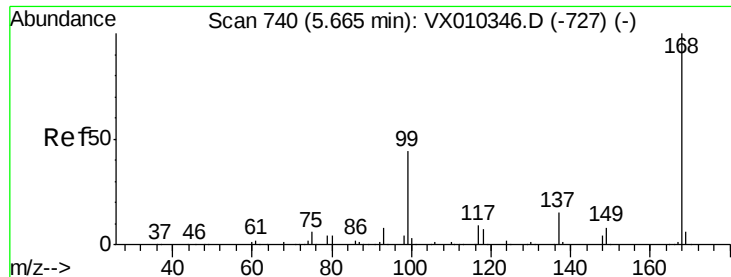
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

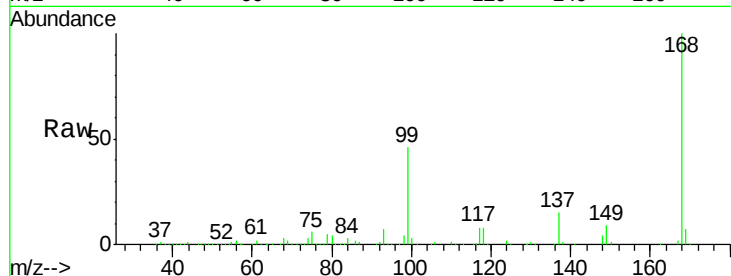
FL-0573

Tot Ion:168 Resp: 261213

Ion Ratio Lower Upper

168 100

99 46.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

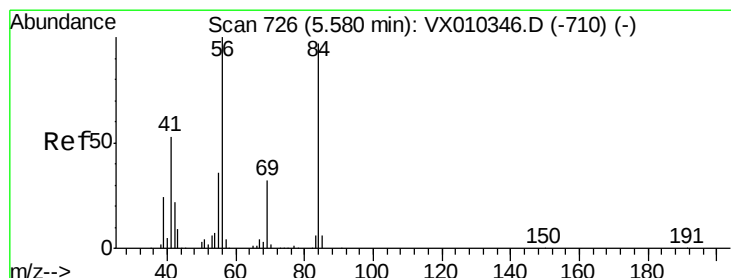
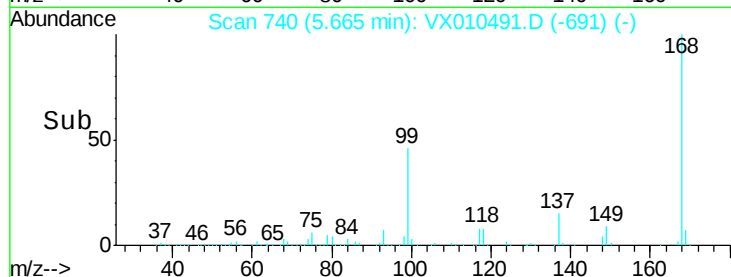
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 67.453 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

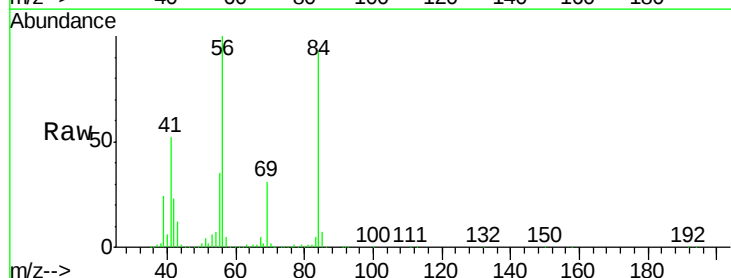
Tgt Ion: 56 Resp: 238623

Ion Ratio Lower Upper

56 100

69 30.6 25.9 38.9

84 93.2 78.0 117.0



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

5.58

100000

80000

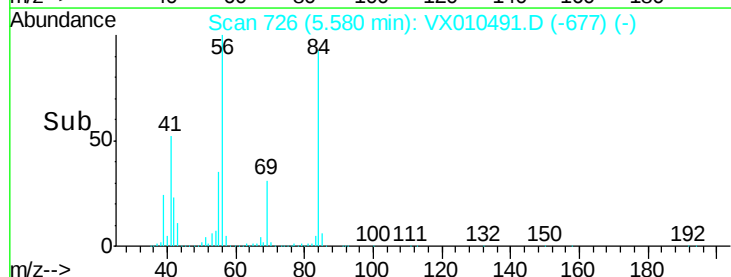
60000

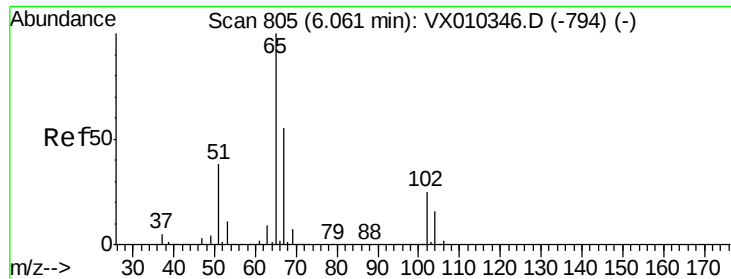
40000

20000

0

Time--> 5.50 5.60 5.70





#33

1,2-Dichloroethane-d4

Concen: 49.765 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampled :

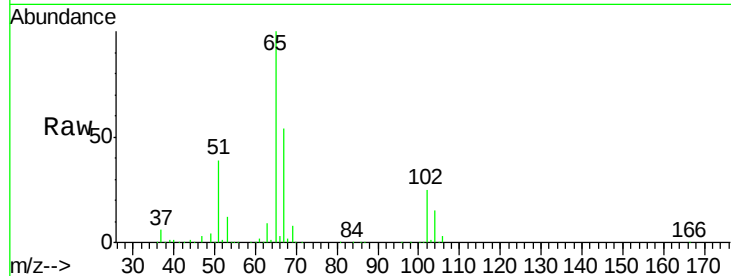
FL-0573

Tot Ion: 65 Resp: 121882

Ion Ratio Lower Upper

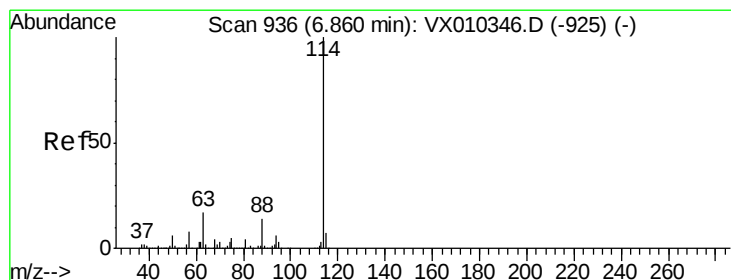
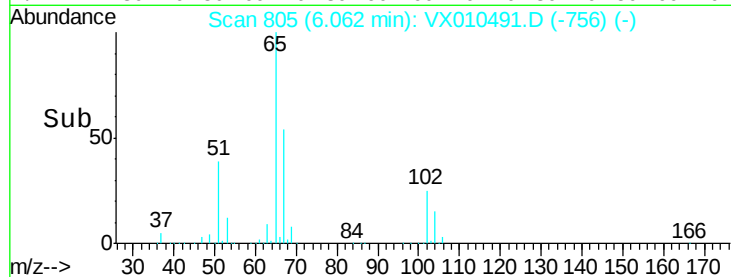
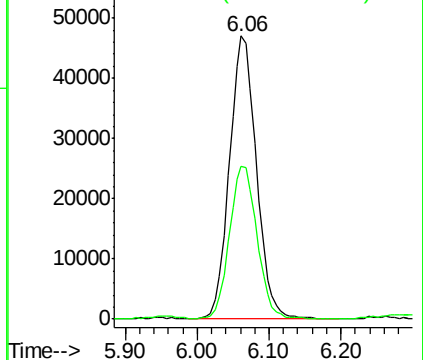
65 100

67 55.4 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

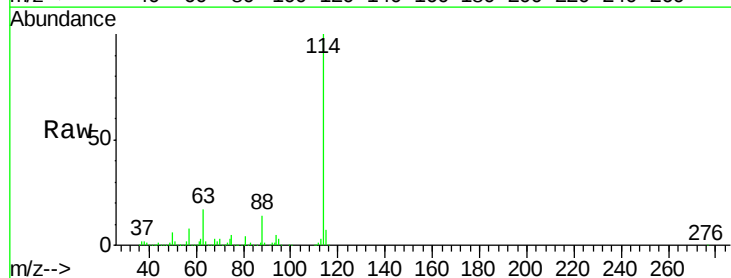
Tgt Ion: 114 Resp: 400234

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.8

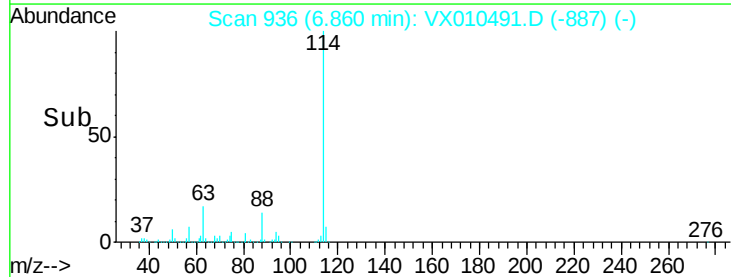
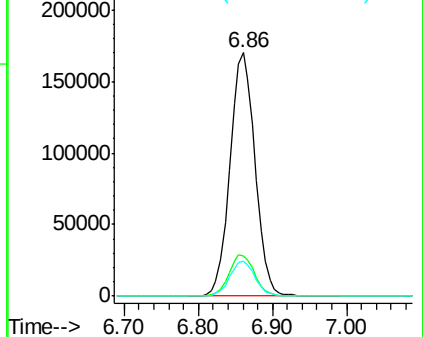
88 14.3 0.0 27.6

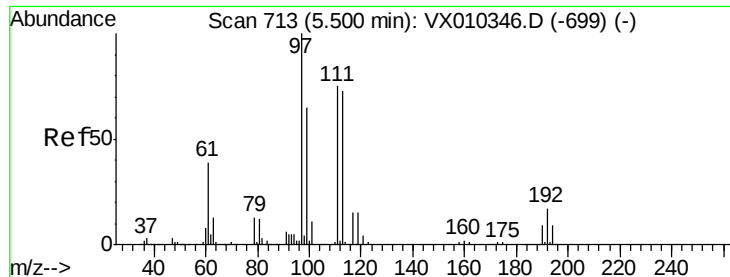


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.340 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

FL-0573

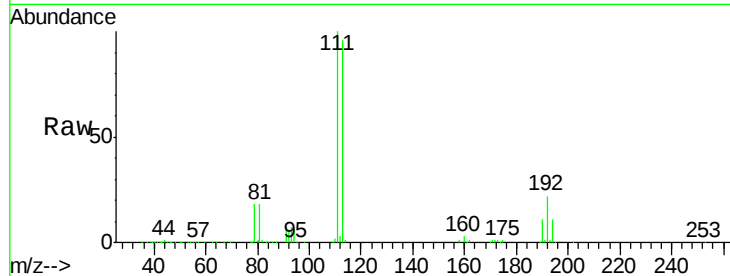
Tot Ion:113 Resp: 120823

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

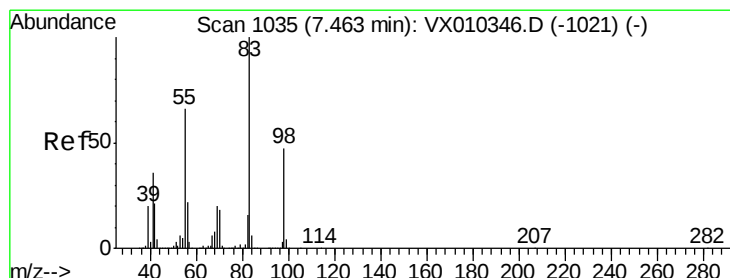
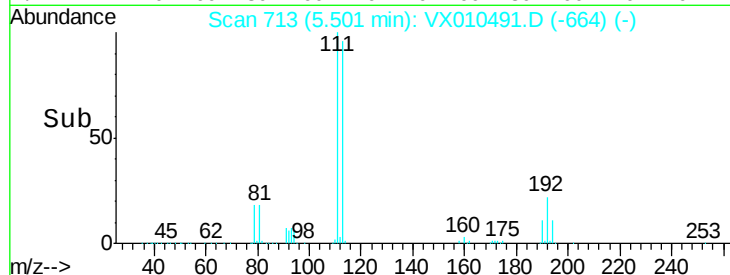
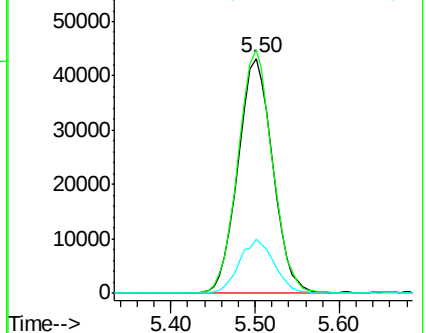
192 23.1 18.6 27.8



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



#39

Methylcyclohexane

Concen: 76.185 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

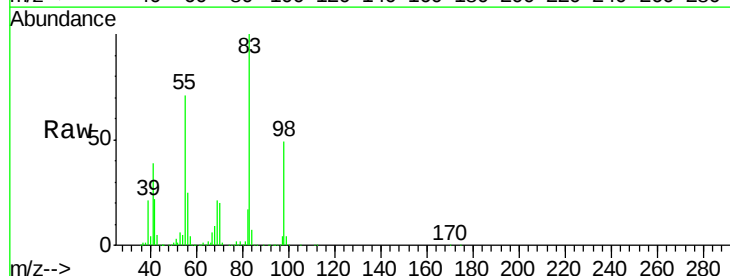
Tgt Ion: 83 Resp: 318504

Ion Ratio Lower Upper

83 100

55 70.6 53.0 79.6

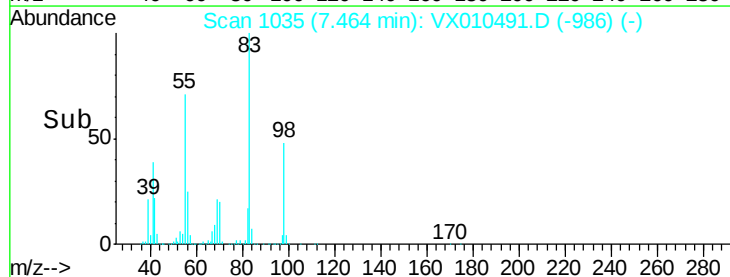
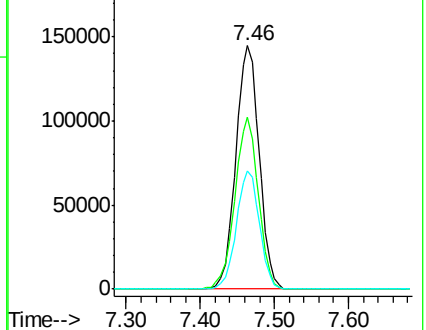
98 48.5 37.8 56.8

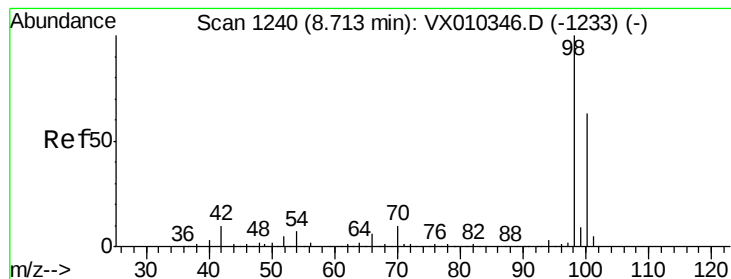


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 51.134 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

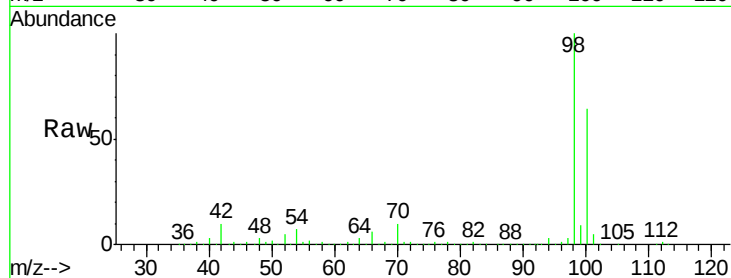
FL-0573

Tot Ion: 98 Resp: 479052

Ion Ratio Lower Upper

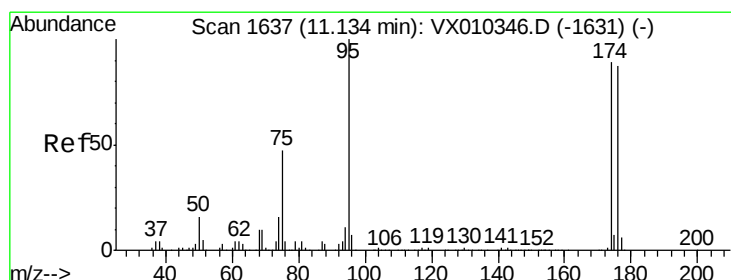
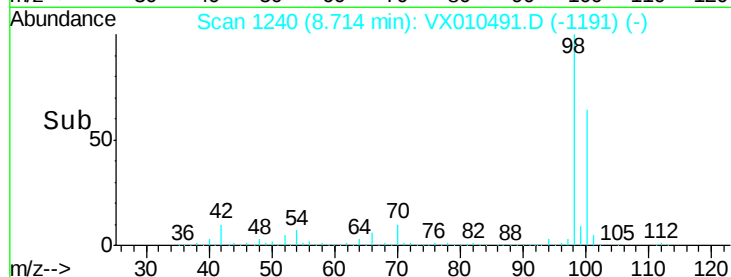
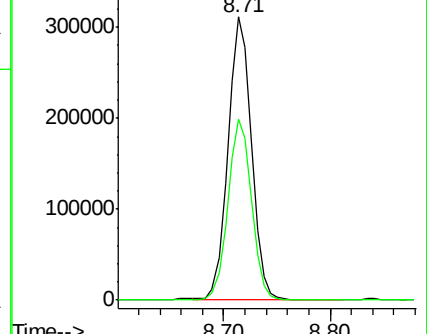
98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 48.816 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

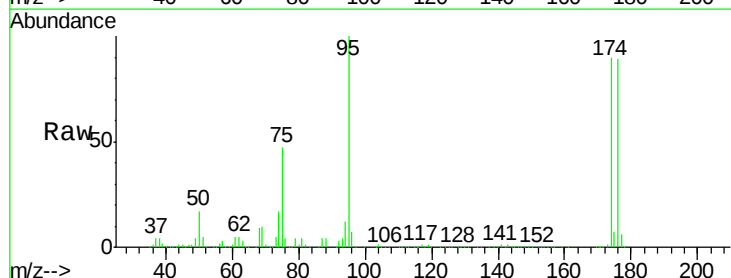
Tgt Ion: 95 Resp: 165109

Ion Ratio Lower Upper

95 100

174 96.0 0.0 187.6

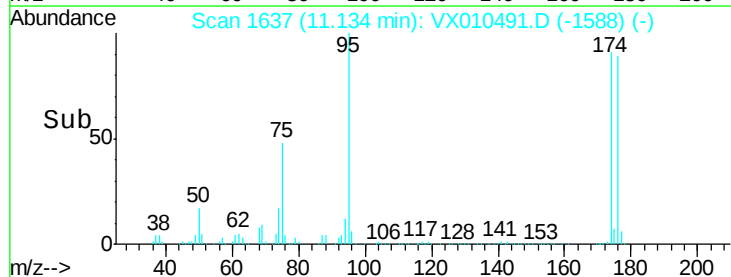
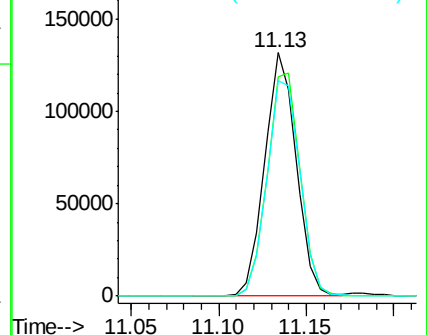
176 93.5 0.0 184.0

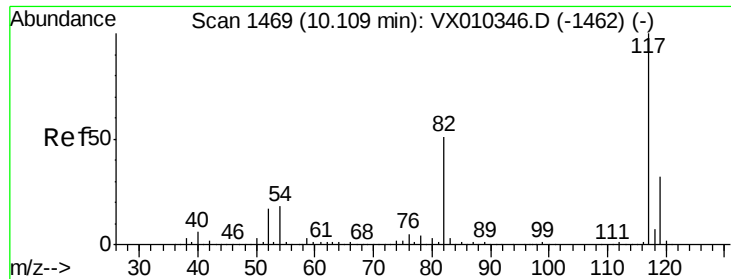


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

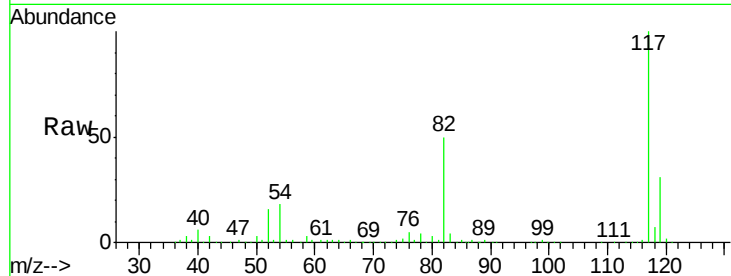




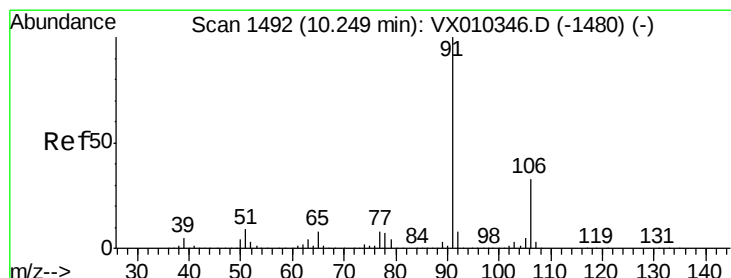
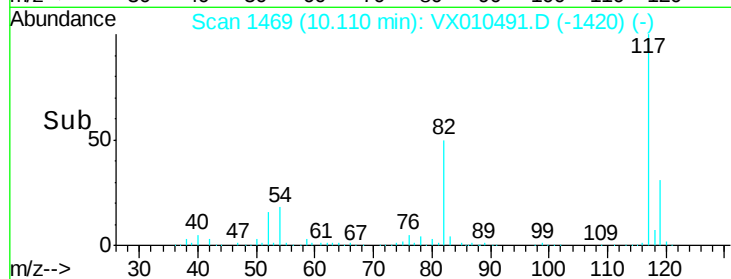
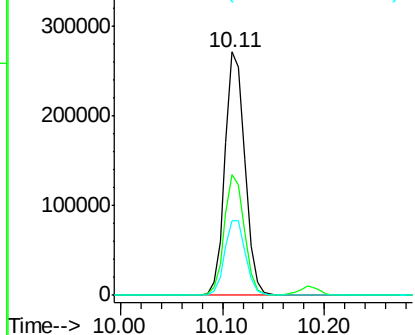
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Instrument :
MSVOA_X
ClientSampled :
FL-0573

Tot Ion:117 Resp: 368577
Ion Ratio Lower Upper
117 100
82 49.6 41.2 61.8
119 30.8 25.5 38.3

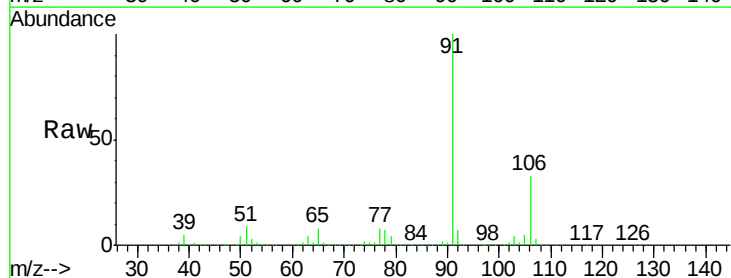


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

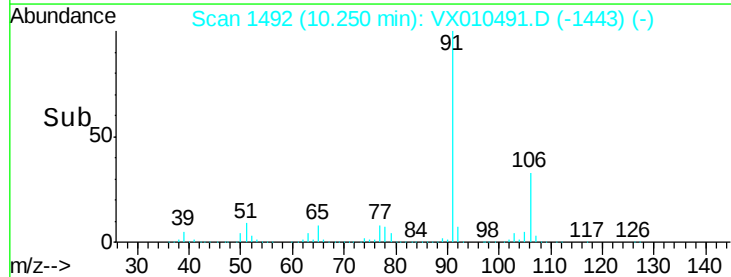
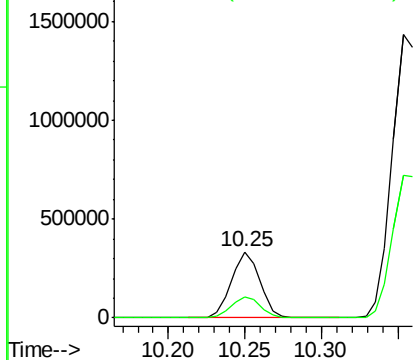


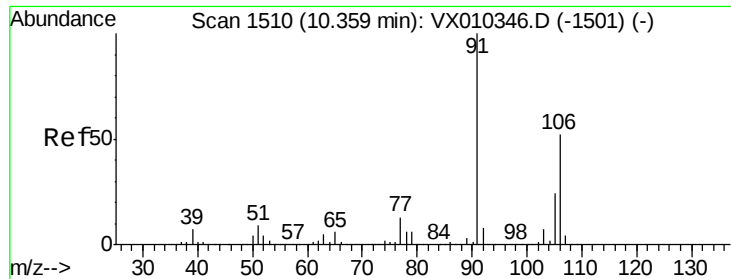
#67
Ethyl Benzene
Concen: 33.984 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Tgt Ion: 91 Resp: 429308
Ion Ratio Lower Upper
91 100
106 32.6 26.2 39.2



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

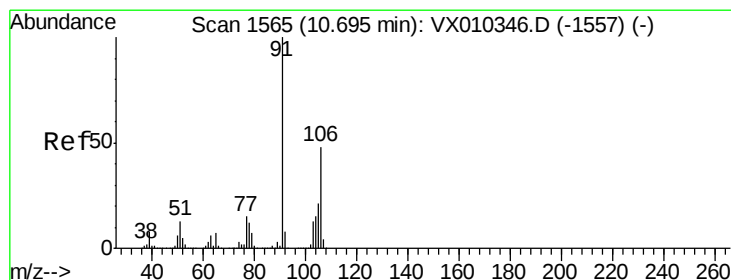
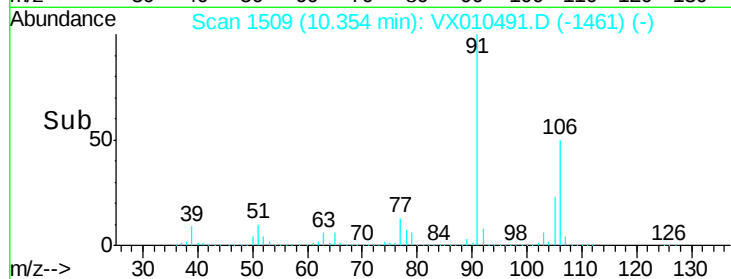
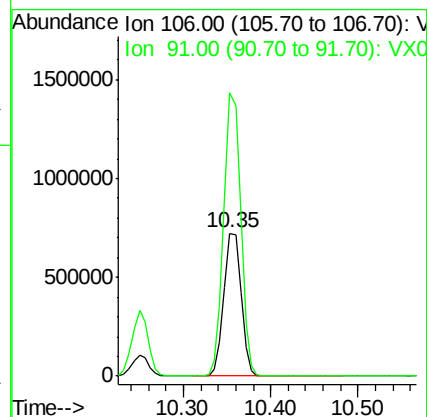
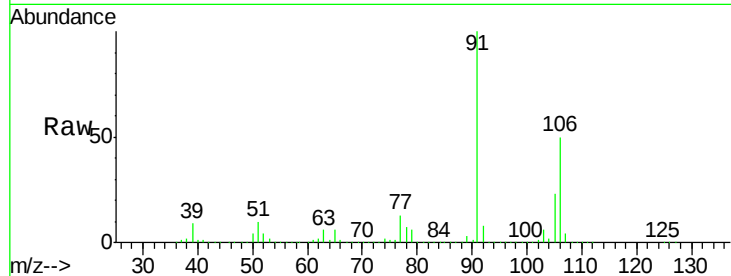




#68
m/p-Xylenes
Concen: 202.640 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

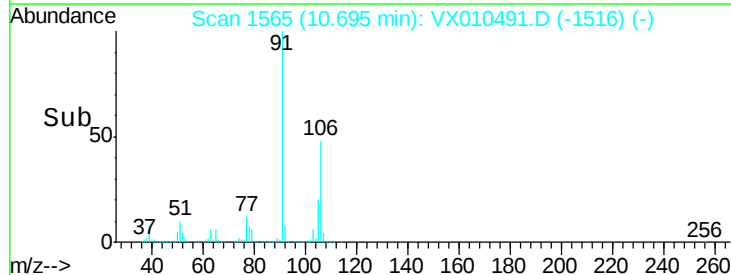
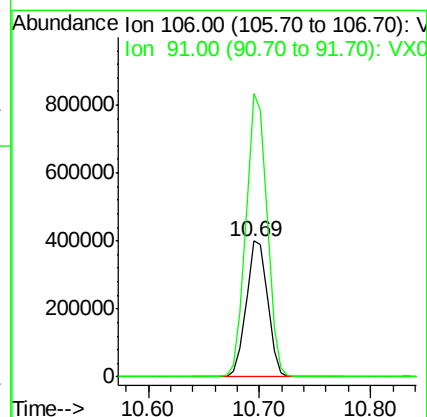
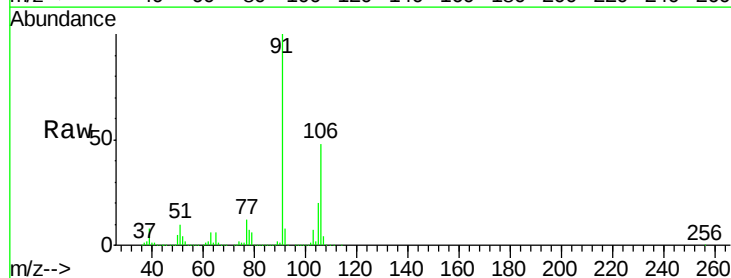
Instrument :
MSVOA_X
ClientSampleId :
FL-0573

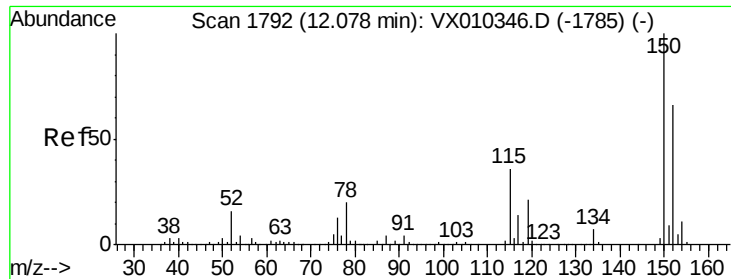
Tot Ion:106 Resp: 991890
Ion Ratio Lower Upper
106 100
91 195.5 155.3 232.9



#69
o-Xylene
Concen: 110.360 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Tgt Ion:106 Resp: 531229
Ion Ratio Lower Upper
106 100
91 206.2 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

FL-0573

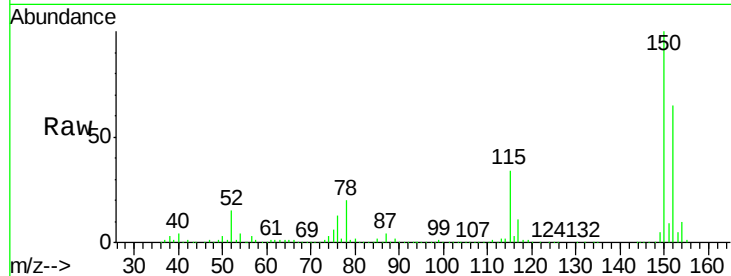
Tot Ion:152 Resp: 181357

Ion Ratio Lower Upper

152 100

115 56.1 38.6 115.7

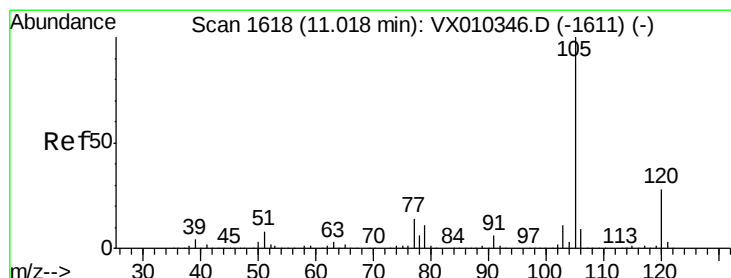
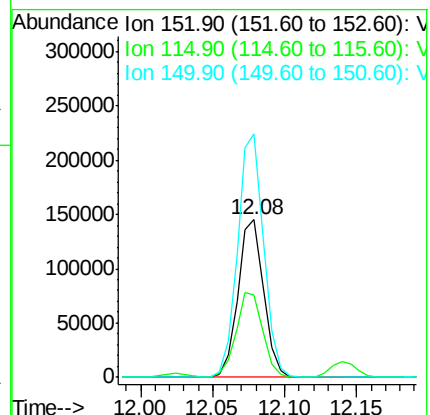
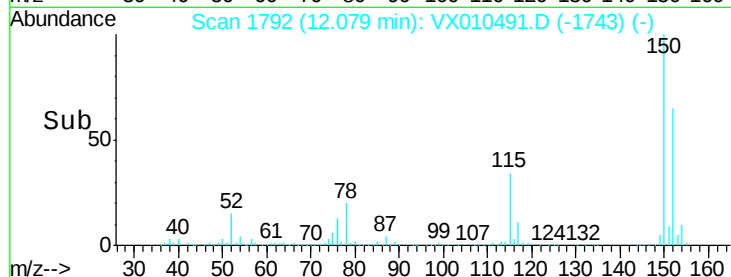
150 156.2 0.0 347.4



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: 28.298 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010491.D

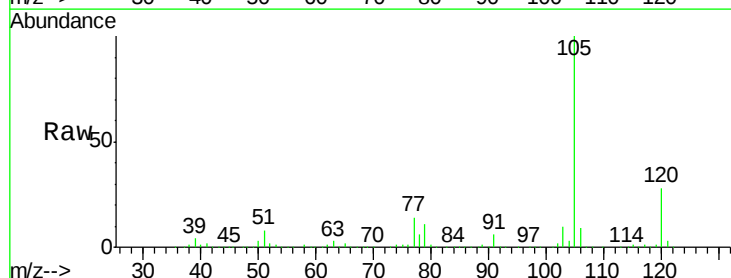
Acq: 27 Jun 2019 16:06

Tgt Ion:105 Resp: 347887

Ion Ratio Lower Upper

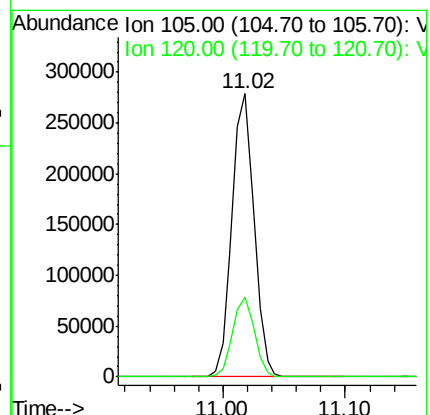
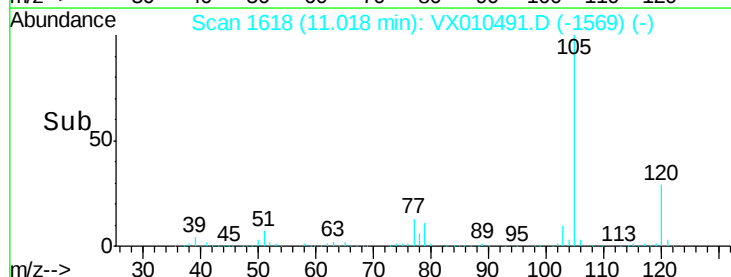
105 100

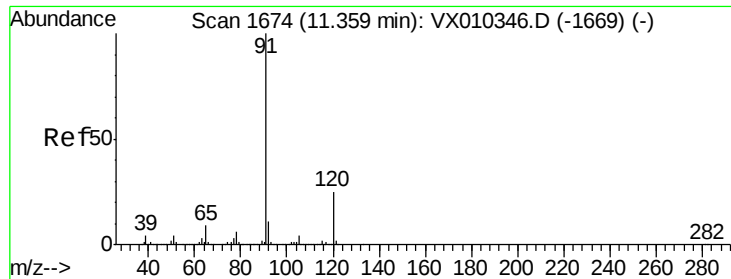
120 27.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 18.847 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

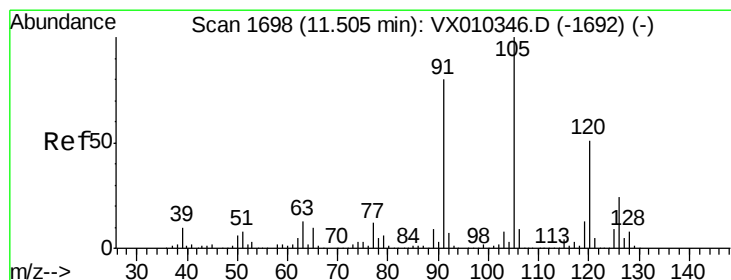
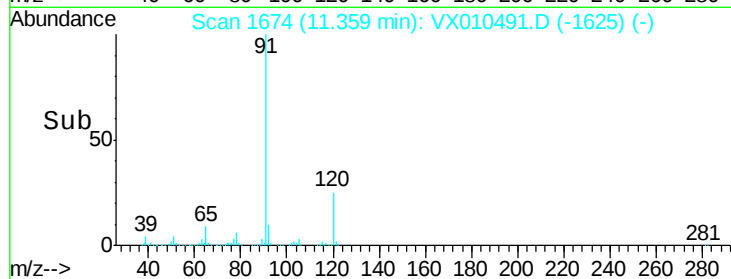
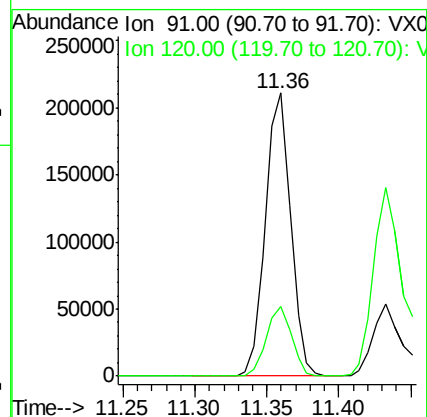
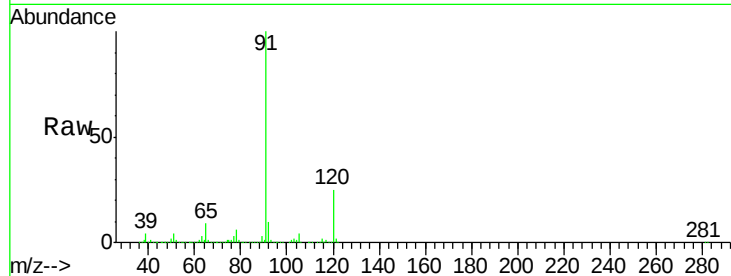
FL-0573

Tot Ion: 91 Resp: 254649

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4



#80

1,3,5-Trimethylbenzene

Concen: 35.974 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010491.D

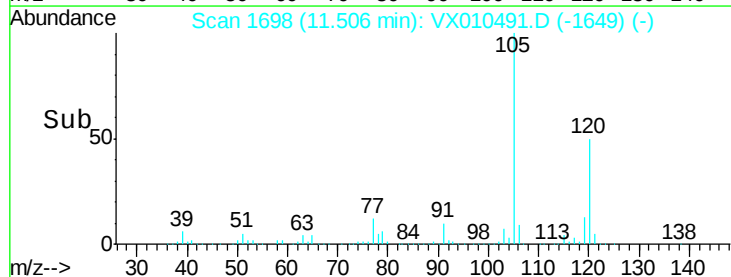
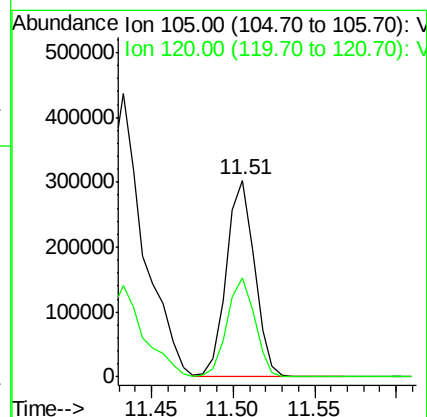
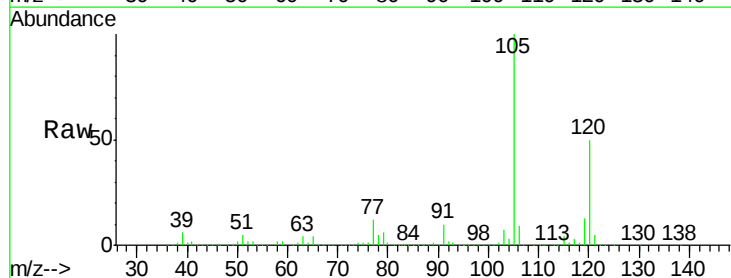
Acq: 27 Jun 2019 16:06

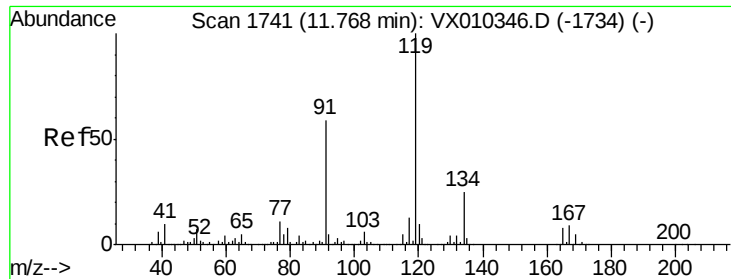
Tgt Ion: 105 Resp: 364590

Ion Ratio Lower Upper

105 100

120 49.9 25.2 75.6

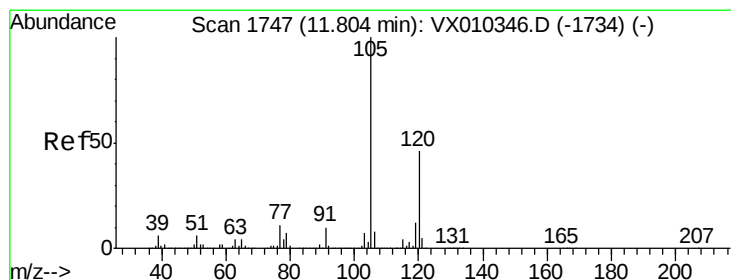
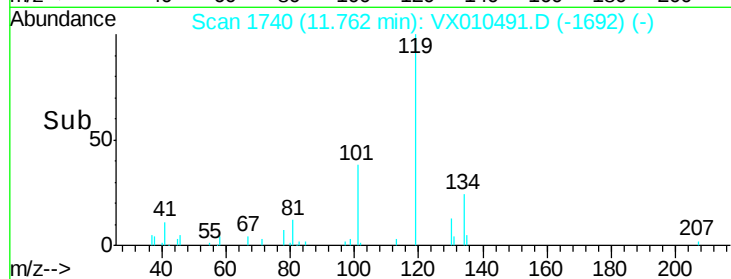
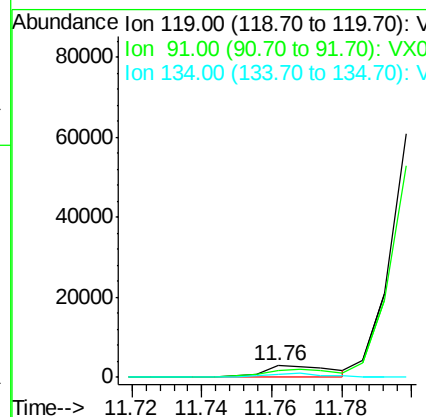
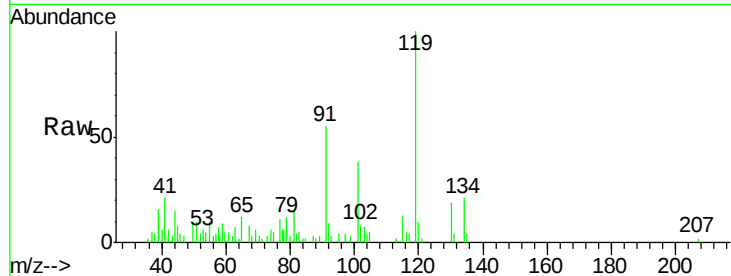




#83
tert-Butylbenzene
Concen: 0.393 ug/l
RT: 11.76 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

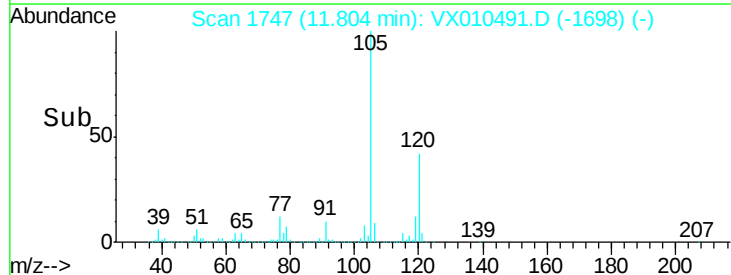
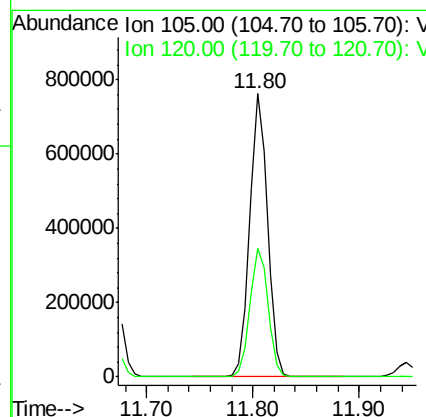
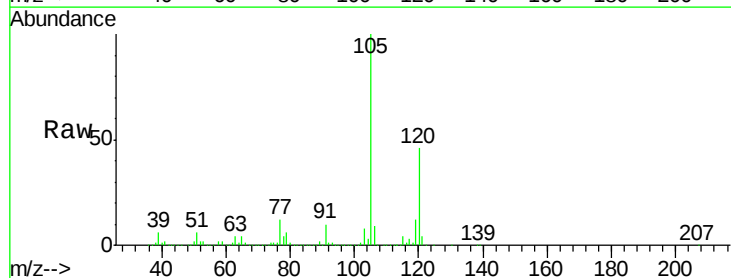
Instrument :
MSVOA_X
ClientSampled :
FL-0573

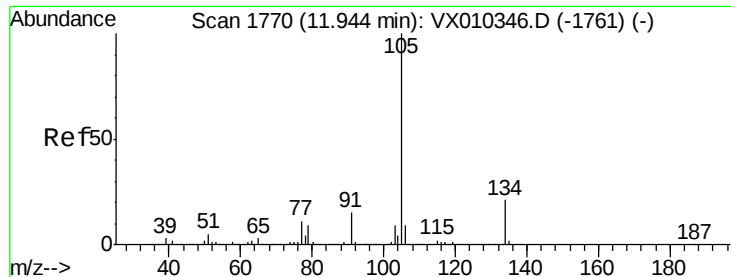
Tot Ion:119 Resp: 4000
Ion Ratio Lower Upper
119 100
91 0.0 27.6 82.7#
134 29.5 11.8 35.4



#84
1,2,4-Trimethylbenzene
Concen: 88.112 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Tgt Ion:105 Resp: 897176
Ion Ratio Lower Upper
105 100
120 46.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 3.892 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

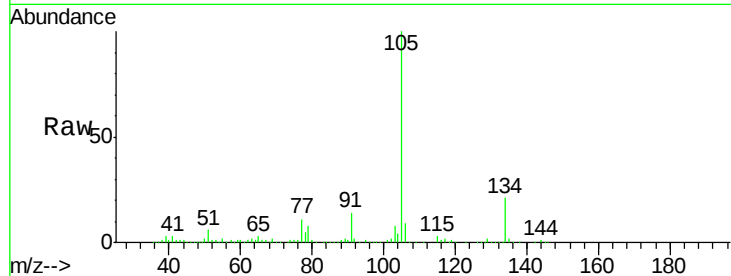
FL-0573

Tot Ion:105 Resp: 46480

Ion Ratio Lower Upper

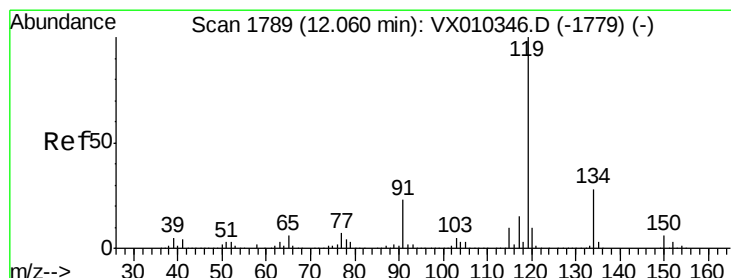
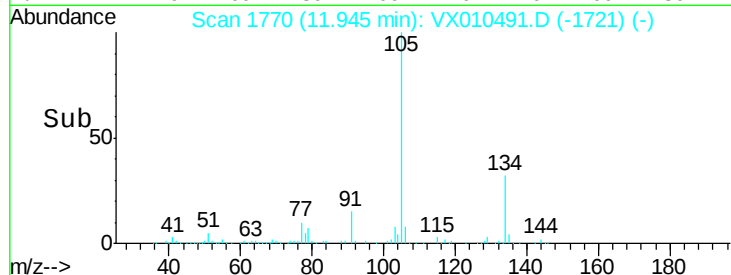
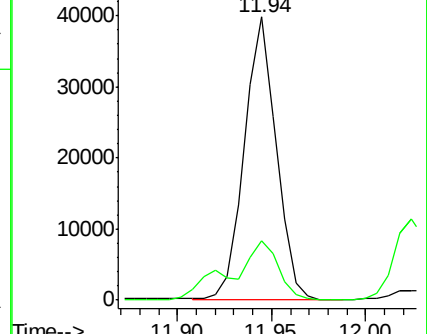
105 100

134 19.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.912 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

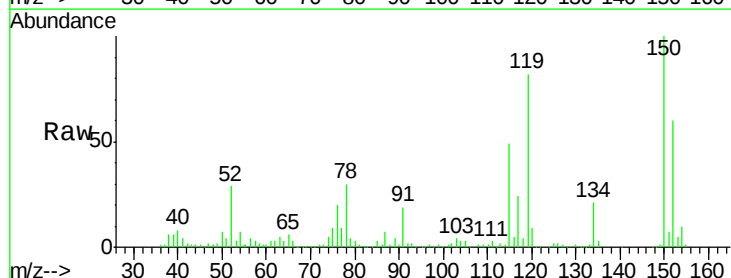
Tgt Ion:119 Resp: 32165

Ion Ratio Lower Upper

119 100

134 28.1 13.7 41.1

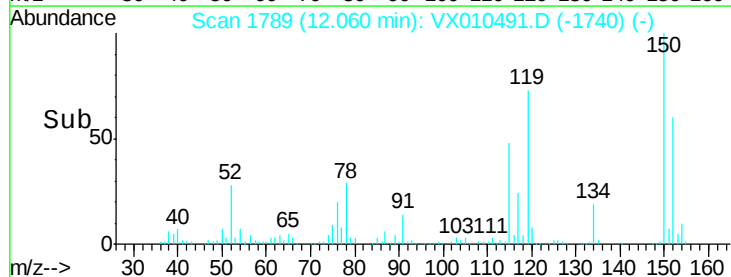
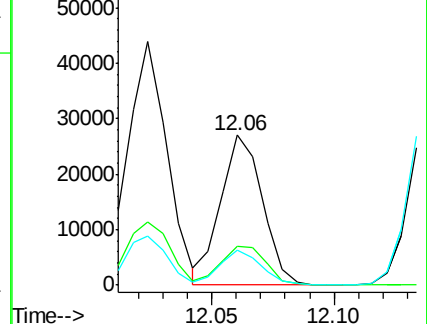
91 22.3 11.3 33.8

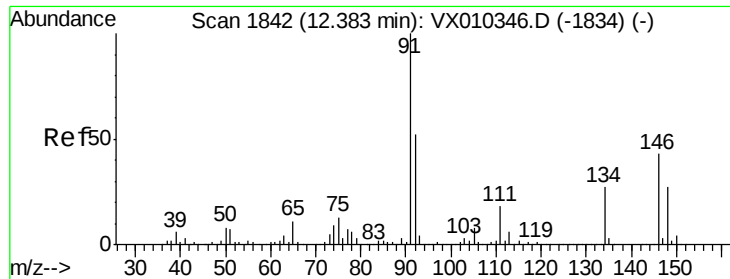


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

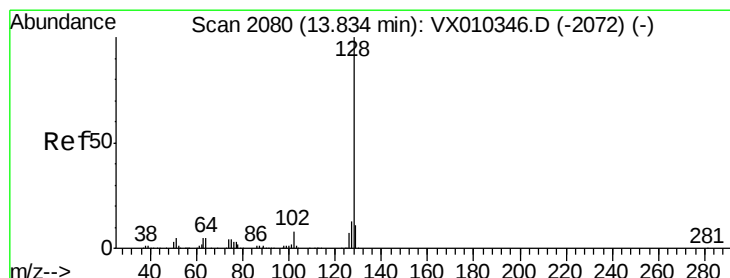
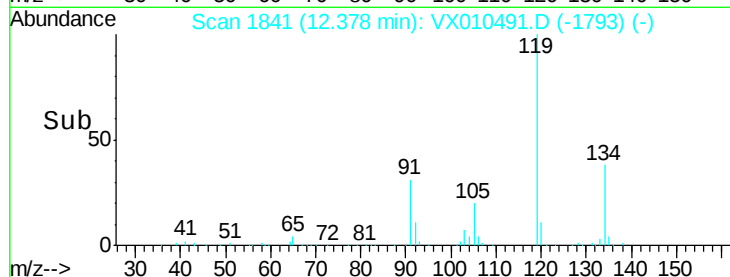
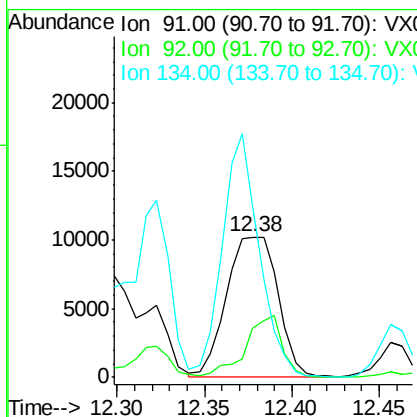
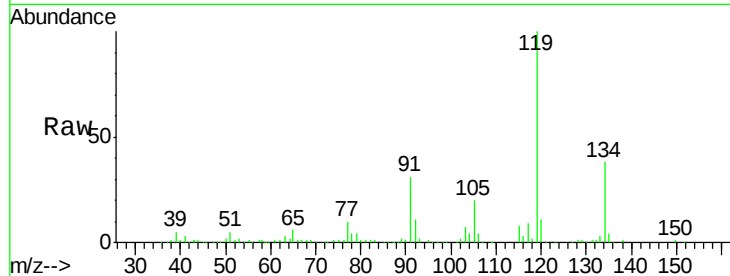




#89
n-Butylbenzene
Concen: 2.210 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Instrument :
MSVOA_X
ClientSampled :
FL-0573

Tot Ion: 91 Resp: 20746
Ion Ratio Lower Upper
91 100
92 31.8 26.2 78.5
134 125.9 14.1 42.4#



#95
Naphthalene
Concen: 24.773 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Tgt Ion: 128 Resp: 314411
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.5 8.9 13.3

