

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010846.D
 Acq On : 12 Jul 2019 19:10
 Operator : JC/SP
 Sample : K3786-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0599

Quant Time: Jul 13 04:43:40 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	5.66	168	207008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	327792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	301578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151088	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	104190	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
35) Dibromofluoromethane	5.50	113	98407	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	8.71	98	395064	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.13	95	134709	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	

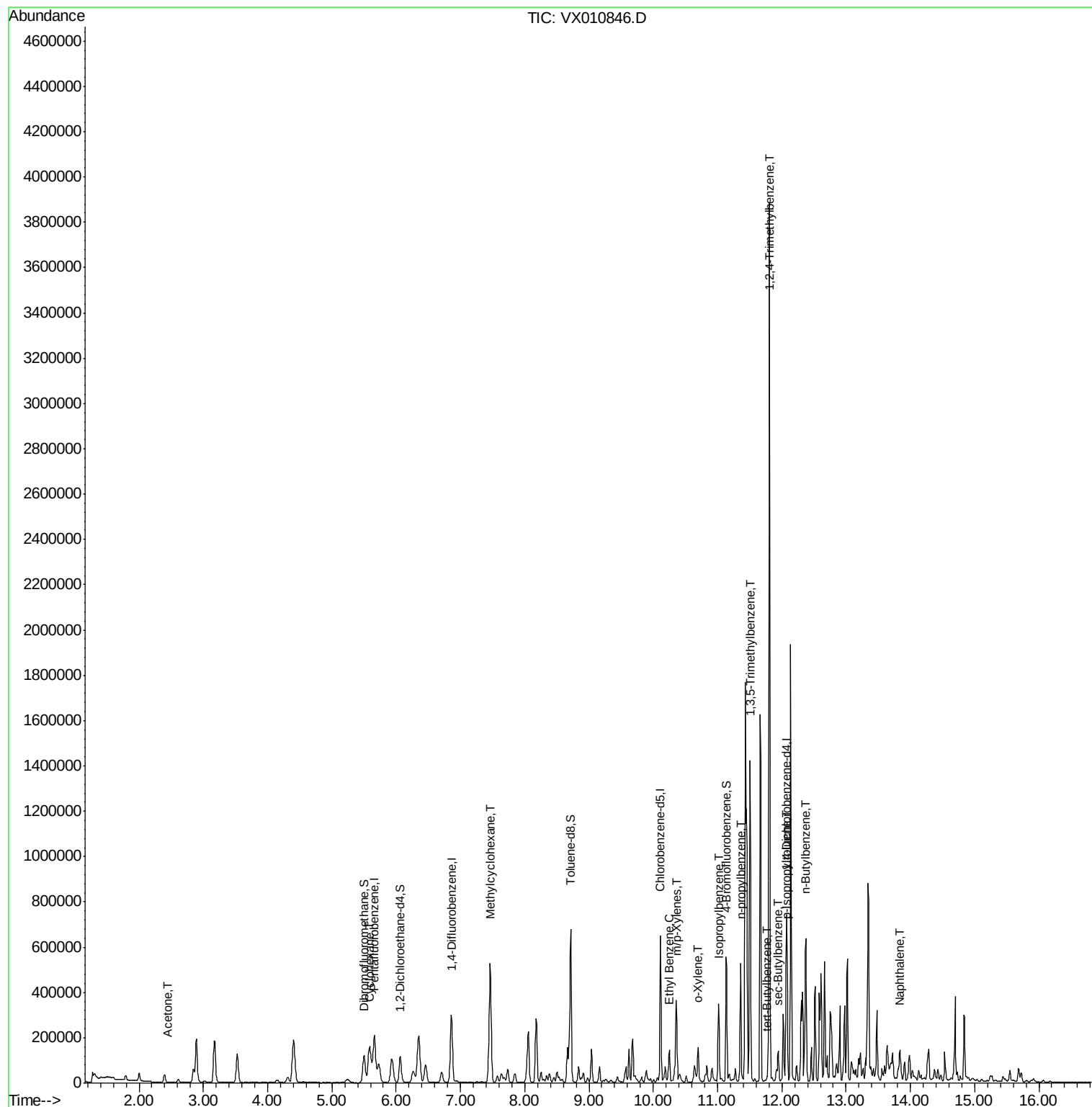
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	2120	2.179	ug/l	92
31) Cyclohexane	5.58	56	113907	40.630	ug/l	97
39) Methylcyclohexane	7.46	83	246803	72.081	ug/l	97
67) Ethyl Benzene	10.25	91	69531	6.727	ug/l	100
68) m/p-Xylenes	10.36	106	78508	19.602	ug/l	99
69) o-Xylene	10.69	106	33328	8.462	ug/l	95
73) Isopropylbenzene	11.02	105	184823	18.046	ug/l	98
78) n-propylbenzene	11.36	91	313783	27.876	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	594875	70.456	ug/l	99
83) tert-Butylbenzene	11.77	119	8338	0.984	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	1640109	193.345	ug/l	99
85) sec-Butylbenzene	11.94	105	70834	7.119	ug/l	83
86) p-Isopropyltoluene	12.06	119	72201	7.845	ug/l	100
89) n-Butylbenzene	12.38	91	79591	10.177	ug/l #	16
95) Naphthalene	13.83	128	78847	7.457	ug/l #	95

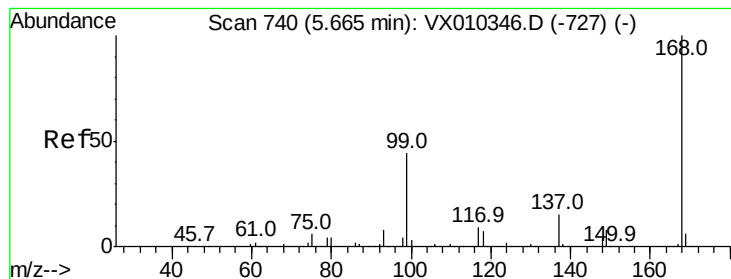
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

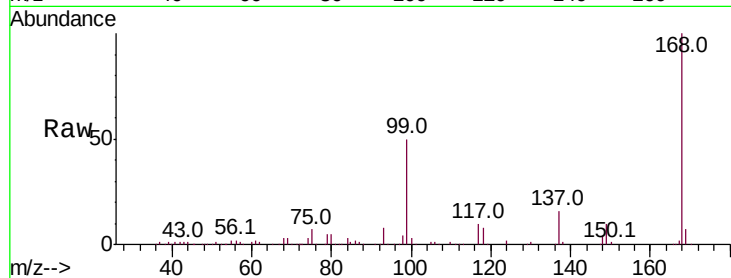
FL-0599

Tot Ion:168 Resp: 207008

Ion Ratio Lower Upper

168 100

99 49.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

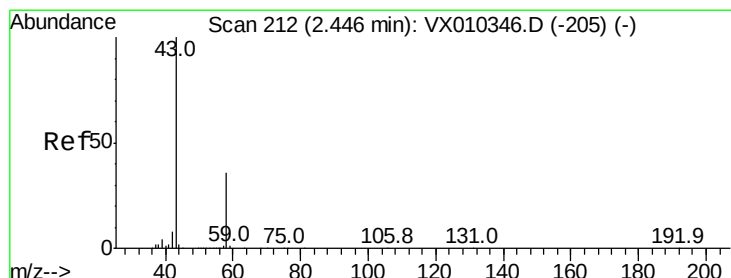
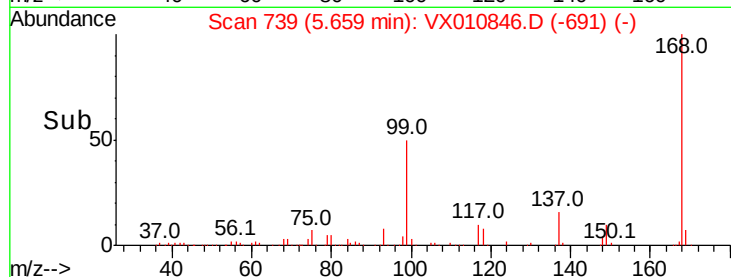
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 2.179 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010846.D

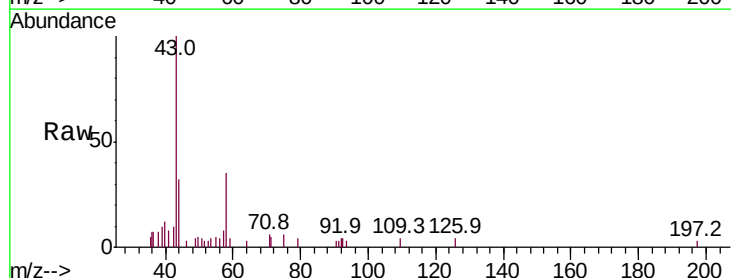
Acq: 12 Jul 2019 19:10

Tgt Ion: 43 Resp: 2120

Ion Ratio Lower Upper

43 100

58 31.3 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

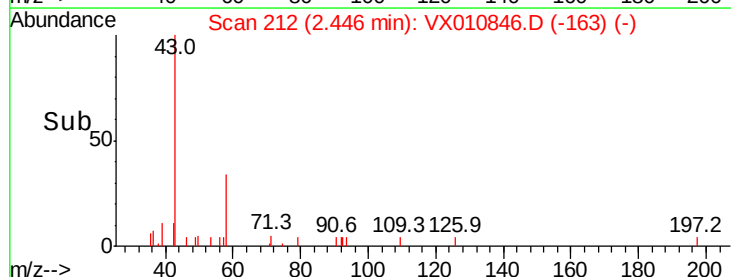
2000

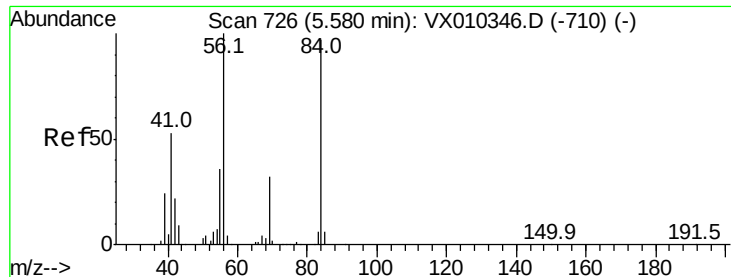
1000

0

Time-->

2.42 2.44 2.46 2.48





#31

Cyclohexane

Concen: 40.630 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

FL-0599

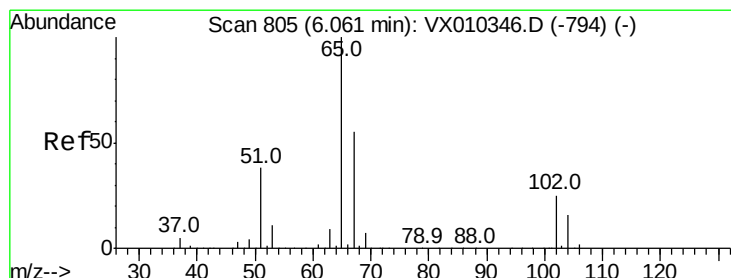
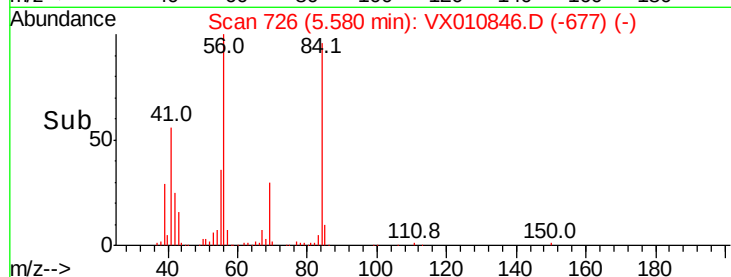
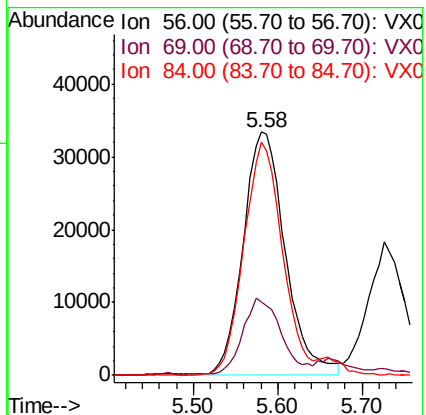
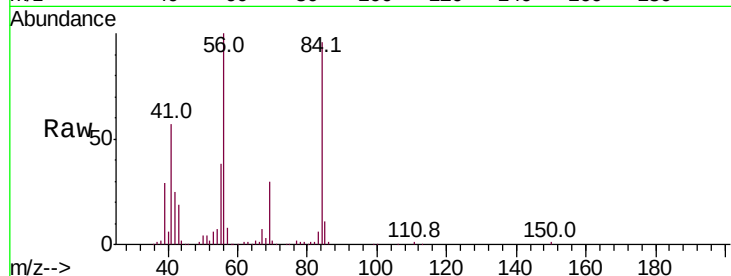
Tot Ion: 56 Resp: 113907

Ion Ratio Lower Upper

56 100

69 29.4 25.9 38.9

84 95.9 78.0 117.0



#33

1,2-Dichloroethane-d4

Concen: 53.681 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010846.D

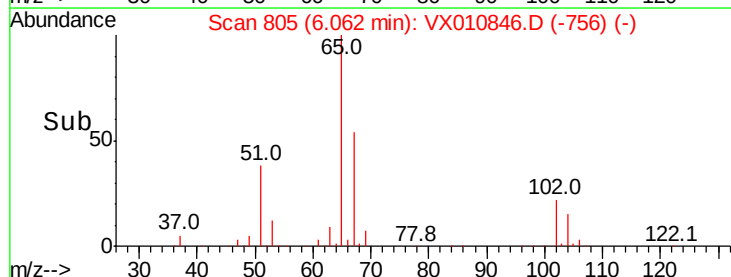
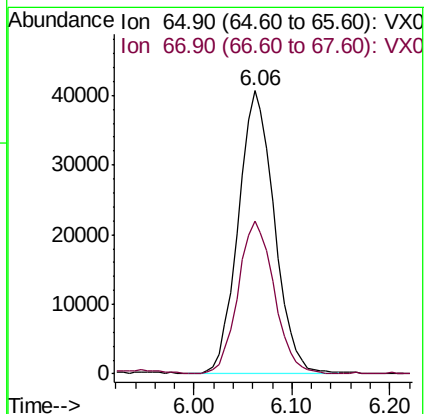
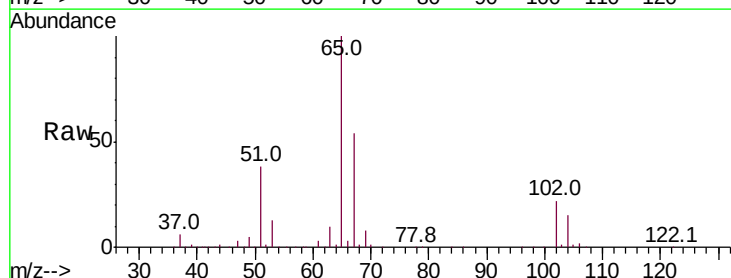
Acq: 12 Jul 2019 19:10

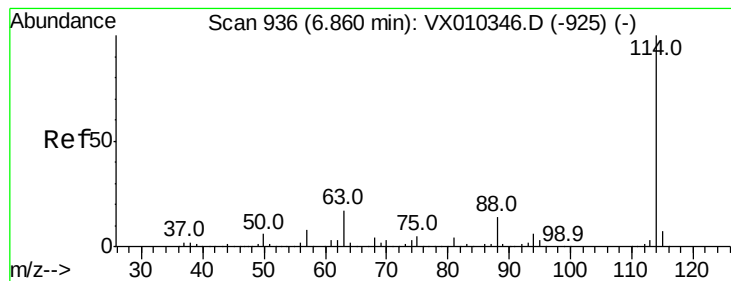
Tgt Ion: 65 Resp: 104190

Ion Ratio Lower Upper

65 100

67 53.5 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

Instrument :

MSVOA_X

ClientSampled :

FL-0599

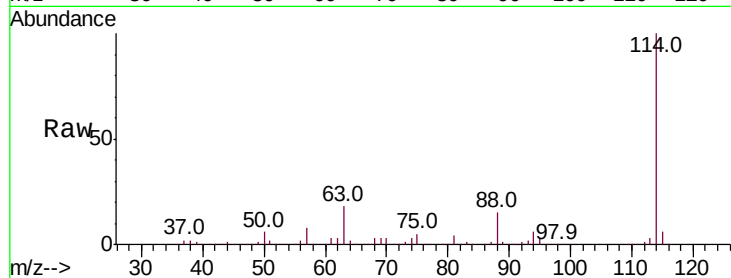
Tot Ion:114 Resp: 327792

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

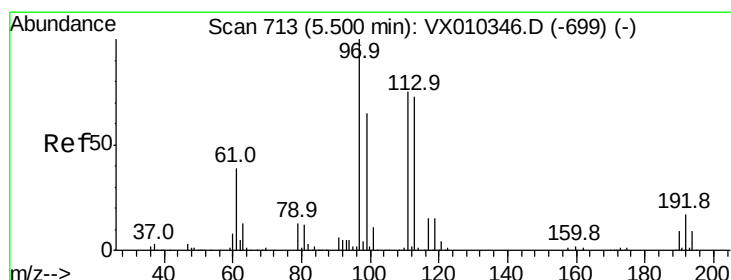
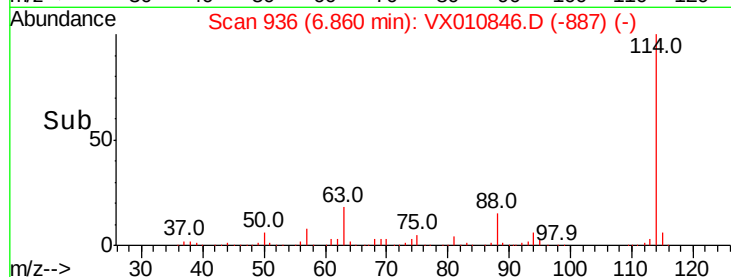
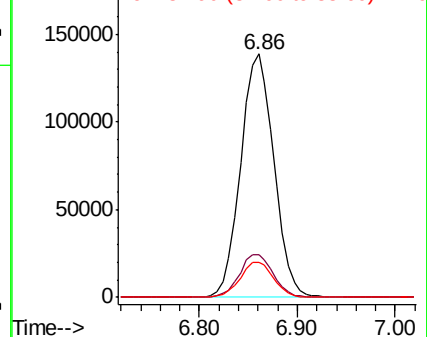
88 14.5 0.0 27.6



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: 49.067 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

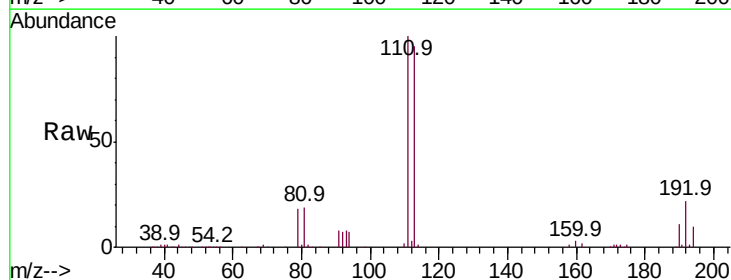
Tgt Ion:113 Resp: 98407

Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

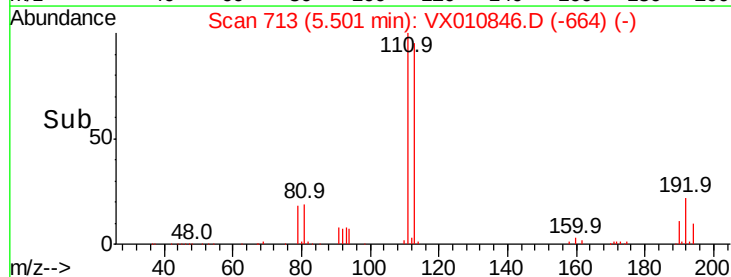
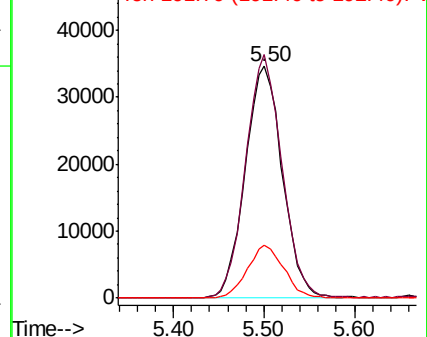
192 22.5 18.6 27.8

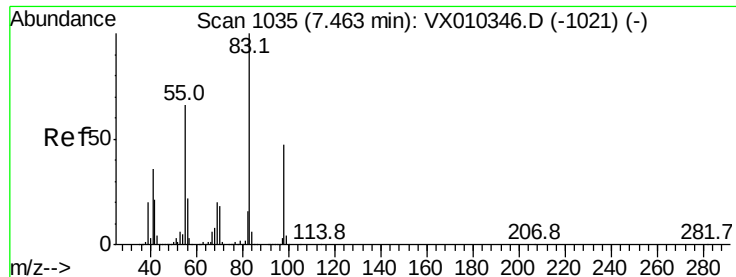


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

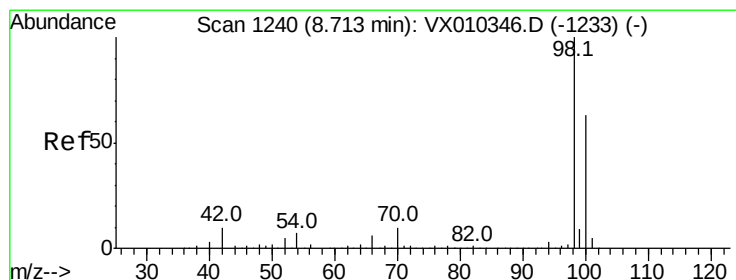
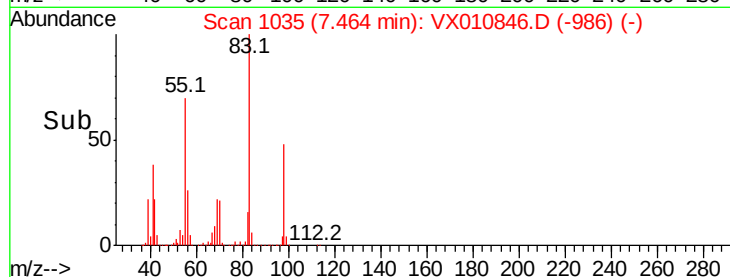
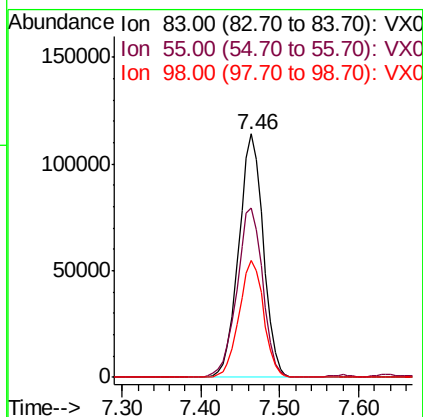
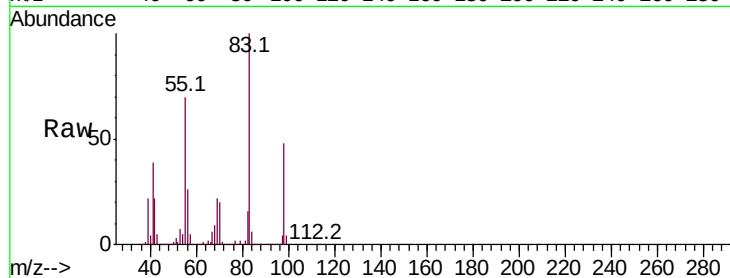




#39
Methylvlcyclohexane
Concen: 72.081 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010846.D
Acq: 12 Jul 2019 19:10

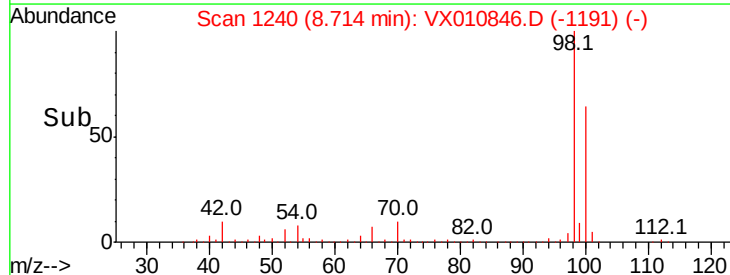
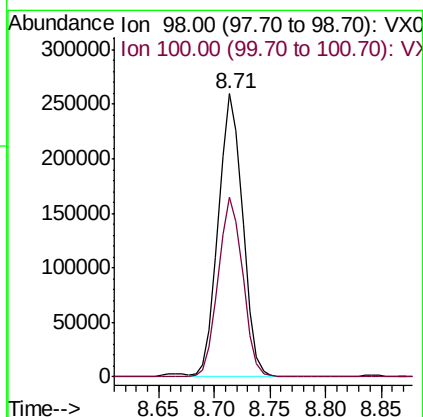
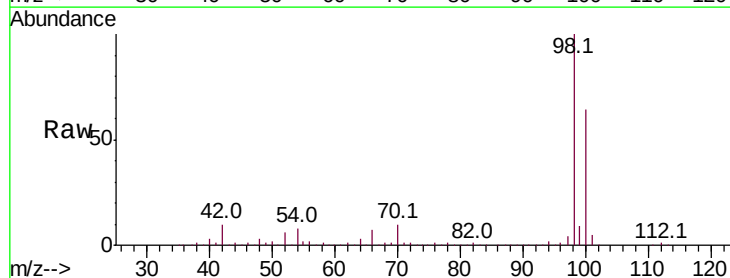
Instrument :
MSVOA_X
ClientSampled :
FL-0599

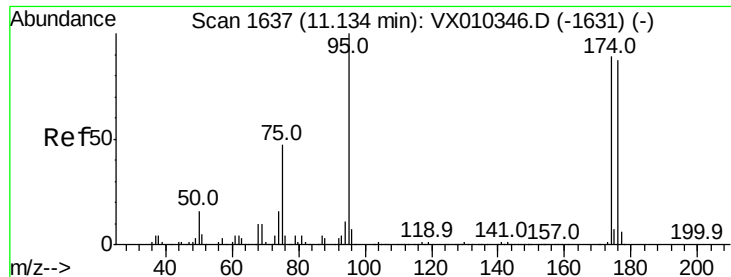
Tot Ion	83	Resp	246803
Ion Ratio	Lower	Upper	
83	100		
55	69.8	53.0	79.6
98	47.8	37.8	56.8



#50
Toluene-d8
Concen: 51.489 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010846.D
Acq: 12 Jul 2019 19:10

Tgt Ion	98	Resp	395064
Ion Ratio	Lower	Upper	
98	100		
100	63.8	51.6	77.4





#62

4-Bromofluorobenzene

Concen: 48.629 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

Instrument :

MSVOA_X

ClientSampled :

FL-0599

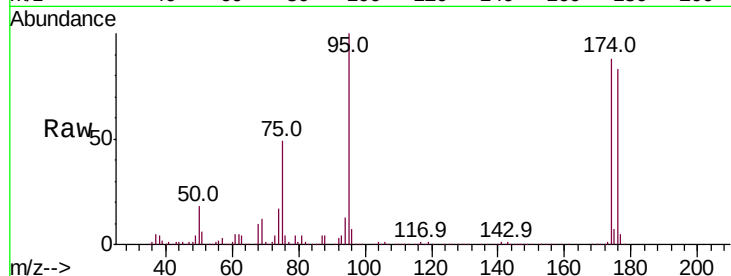
Tot Ion: 95 Resp: 134709

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.6

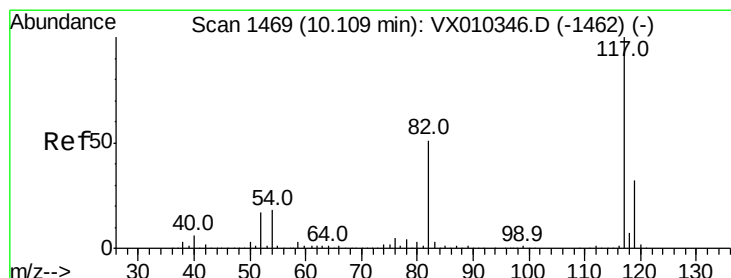
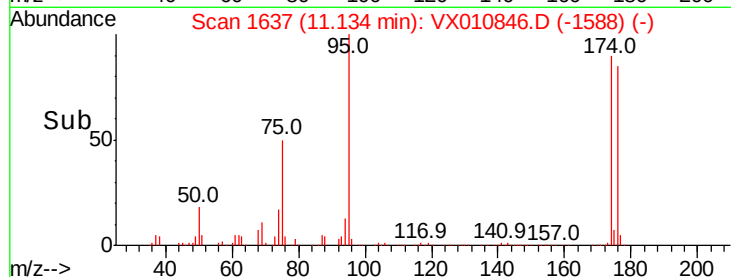
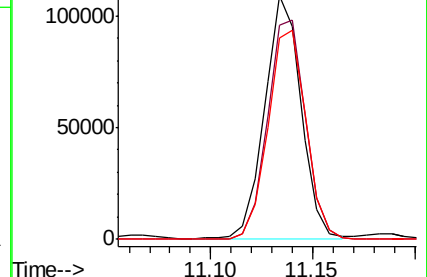
176 90.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

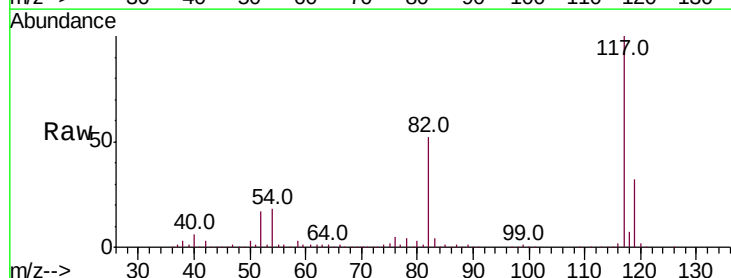
Tgt Ion: 117 Resp: 301578

Ion Ratio Lower Upper

117 100

82 51.5 41.2 61.8

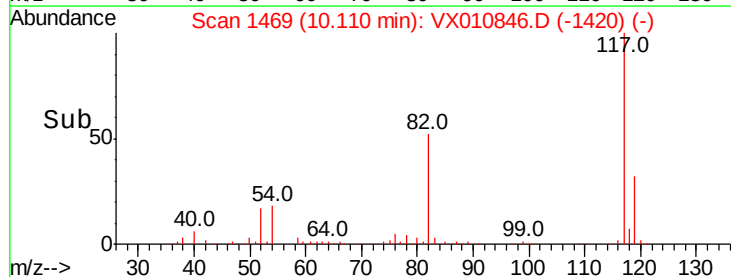
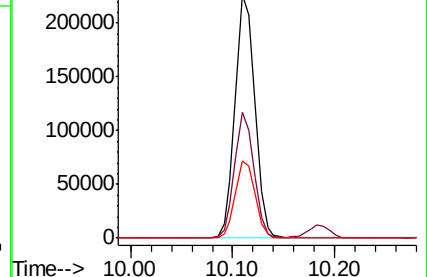
119 31.6 25.5 38.3

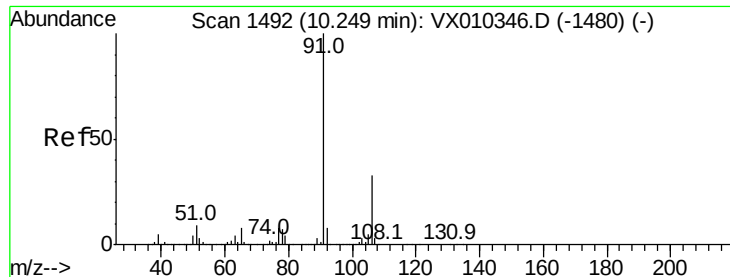


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#67

Ethyl Benzene

Concen: 6.727 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

Instrument :

MSVOA_X

ClientSampled :

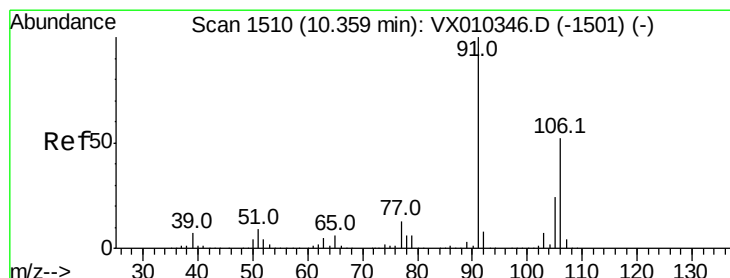
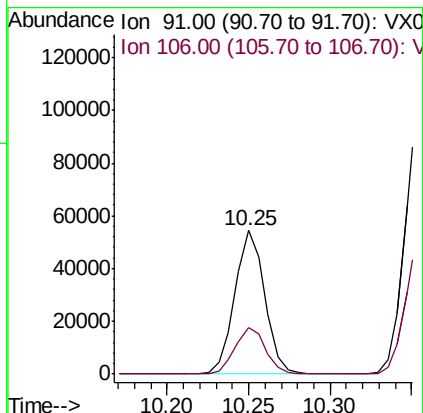
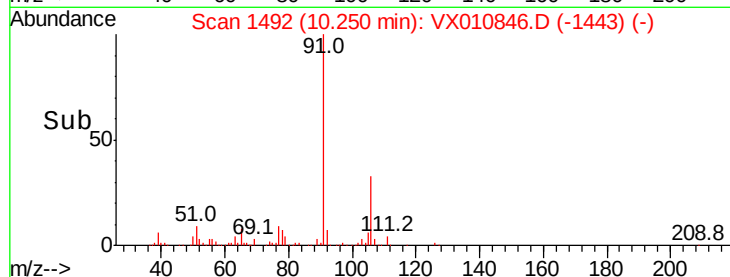
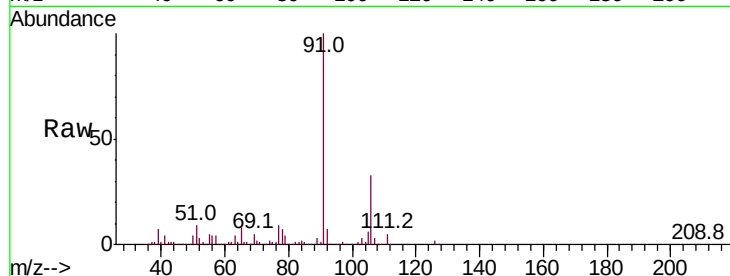
FL-0599

Tot Ion: 91 Resp: 69531

Ion Ratio Lower Upper

91 100

106 32.7 26.2 39.2



#68

m/p-Xylenes

Concen: 19.602 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010846.D

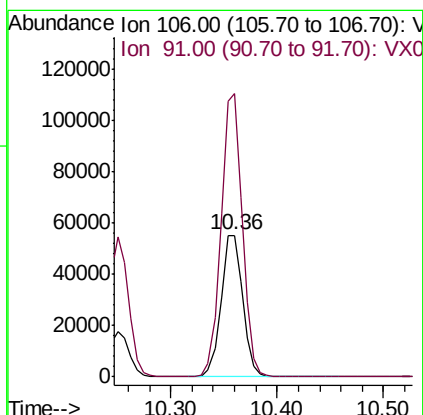
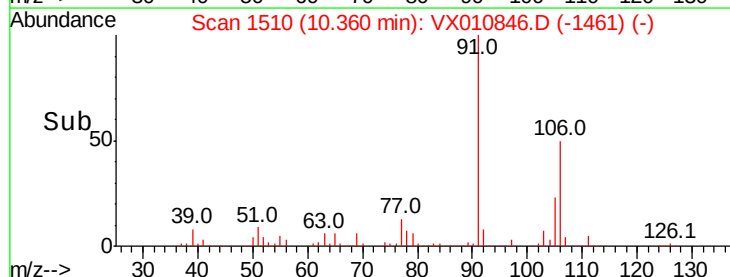
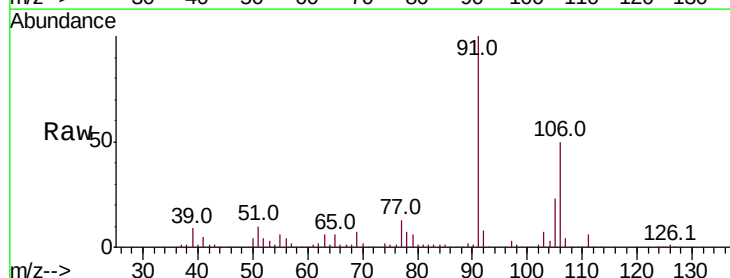
Acq: 12 Jul 2019 19:10

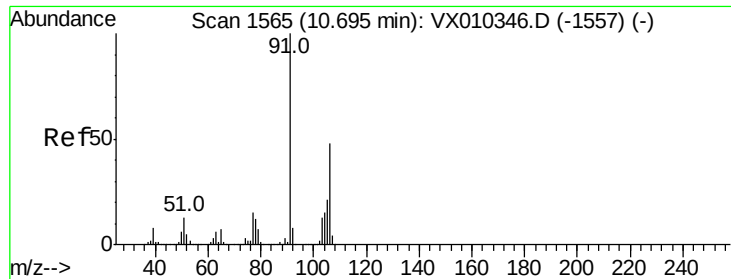
Tgt Ion: 106 Resp: 78508

Ion Ratio Lower Upper

106 100

91 195.6 155.3 232.9

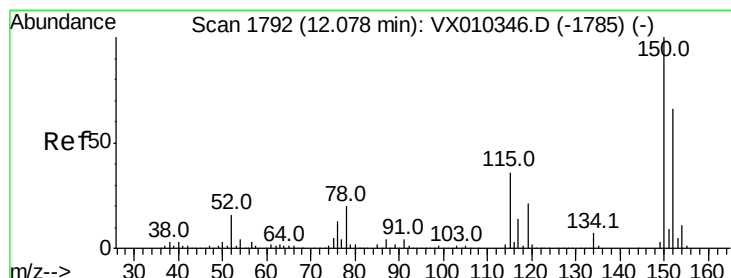
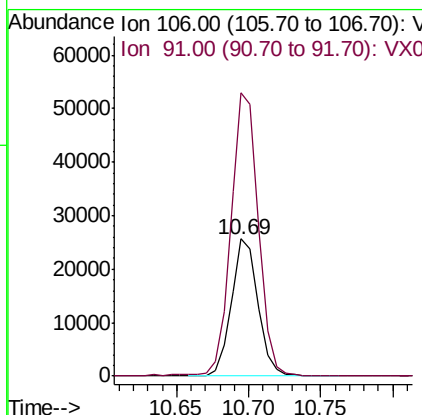
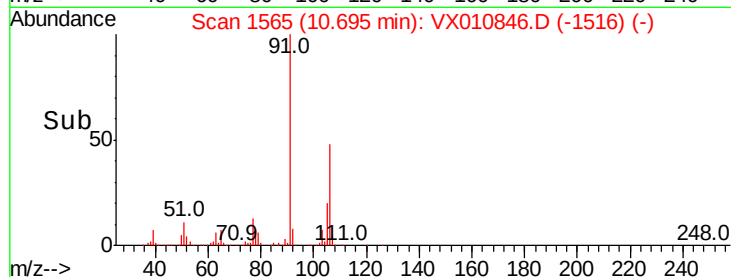
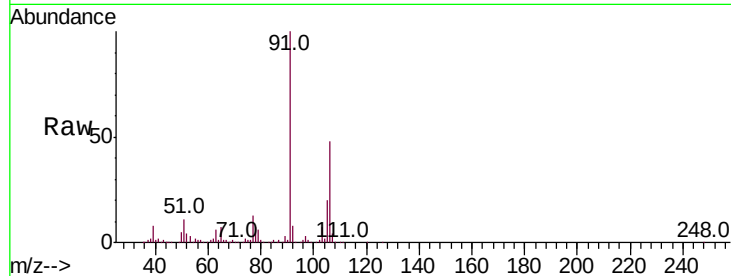




#69
o-Xylene
Concen: 8.462 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010846.D
Acq: 12 Jul 2019 19:10

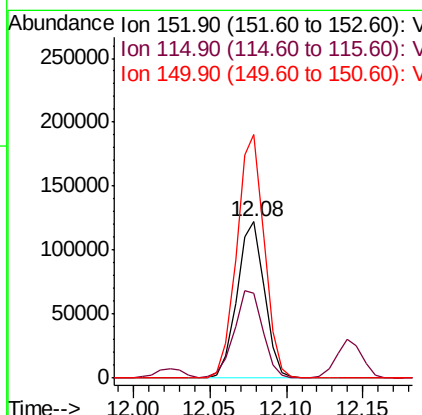
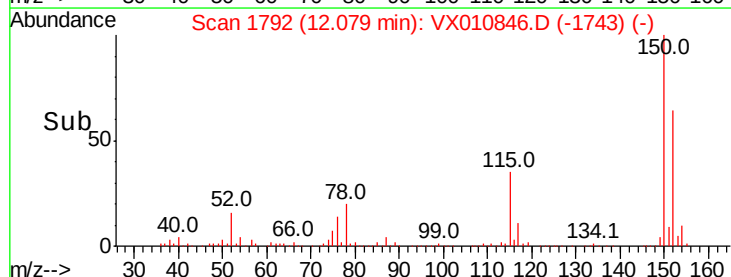
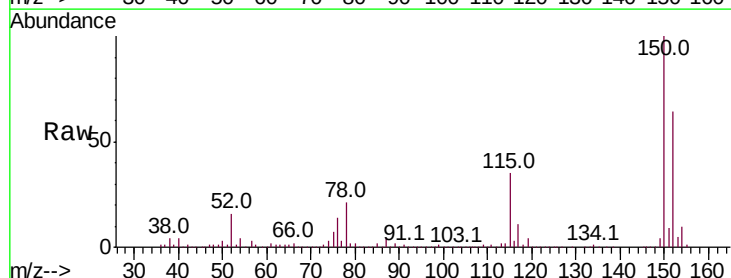
Instrument :
MSVOA_X
ClientSampleId :
FL-0599

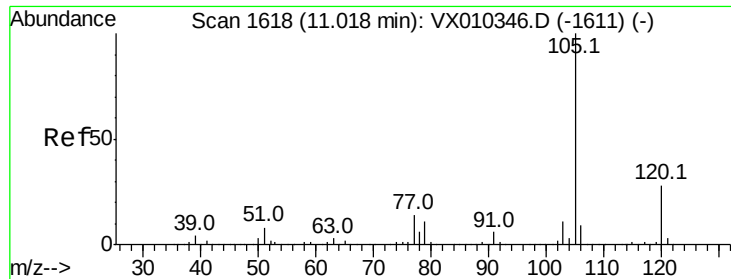
Tot Ion:106 Resp: 33328
Ion Ratio Lower Upper
106 100
91 213.0 102.7 308.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010846.D
Acq: 12 Jul 2019 19:10

Tgt Ion:152 Resp: 151088
Ion Ratio Lower Upper
152 100
115 58.8 38.6 115.7
150 156.3 0.0 347.4

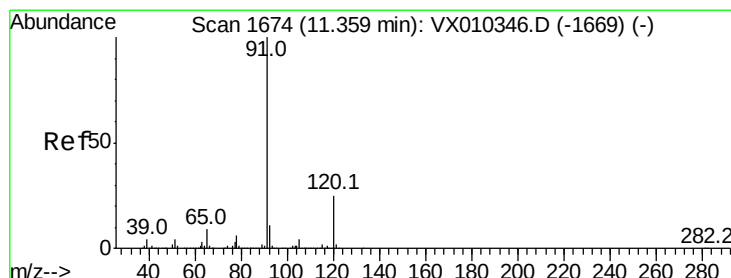
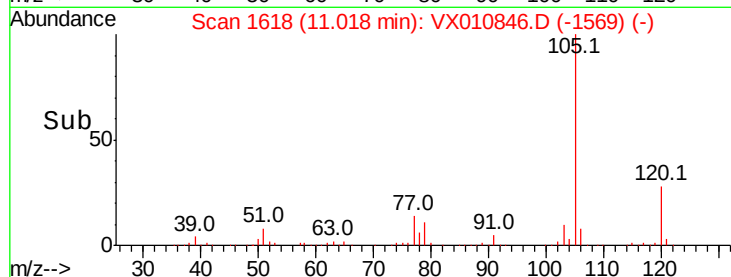
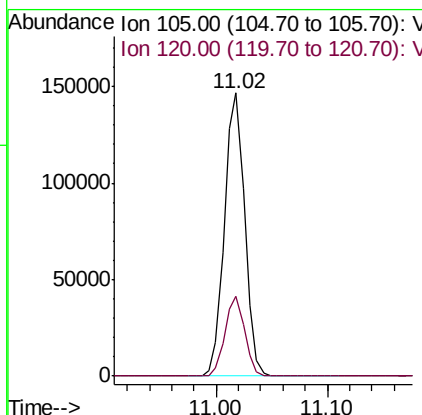
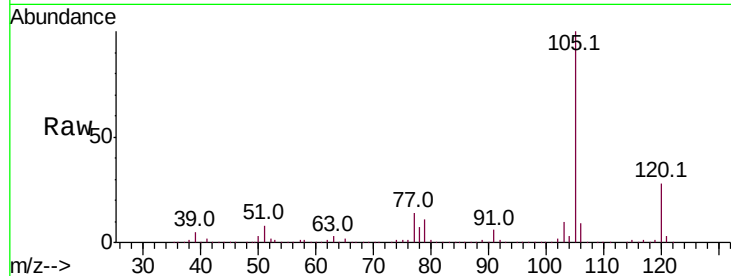




#73
Isopropylbenzene
Concen: 18.046 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010846.D
Acq: 12 Jul 2019 19:10

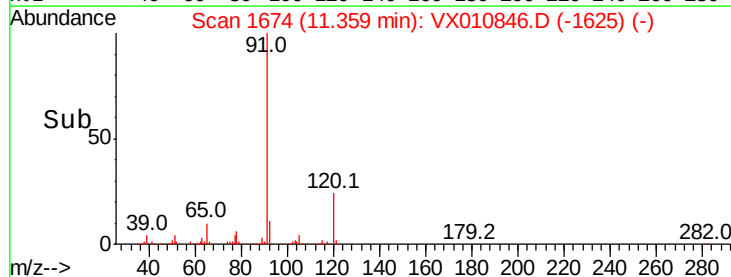
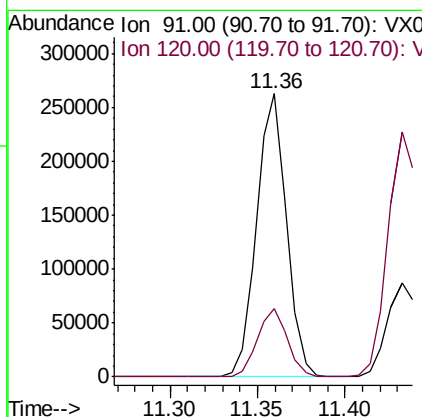
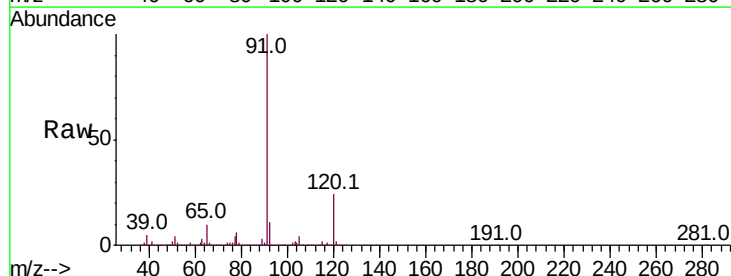
Instrument :
MSVOA_X
ClientSampleId :
FL-0599

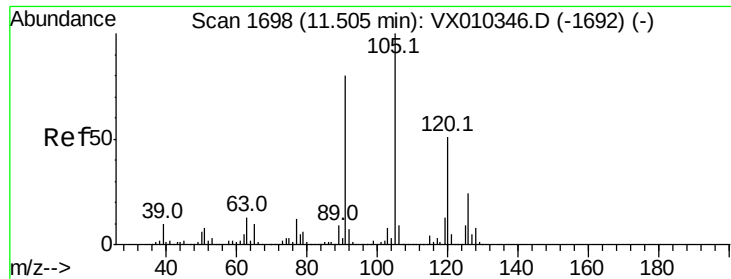
Tot Ion:105 Resp: 184823
Ion Ratio Lower Upper
105 100
120 27.4 14.1 42.4



#78
n-propylbenzene
Concen: 27.876 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX010846.D
Acq: 12 Jul 2019 19:10

Tgt Ion: 91 Resp: 313783
Ion Ratio Lower Upper
91 100
120 24.2 12.4 37.4





#80

1,3,5-Trimethylbenzene

Concen: 70.456 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

Instrument :

MSVOA_X

ClientSampled :

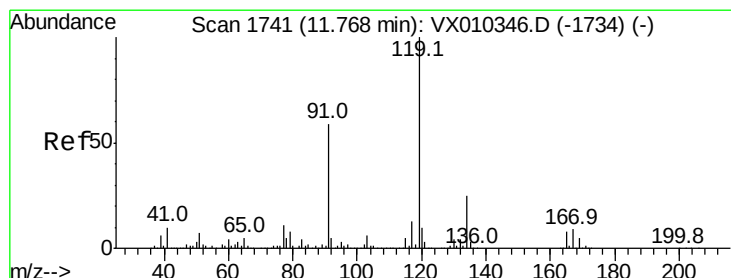
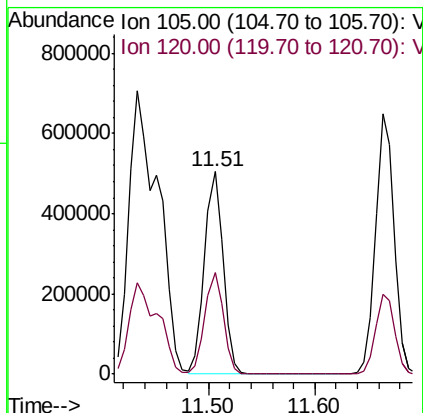
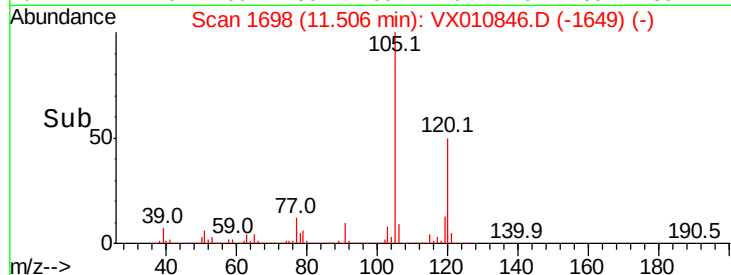
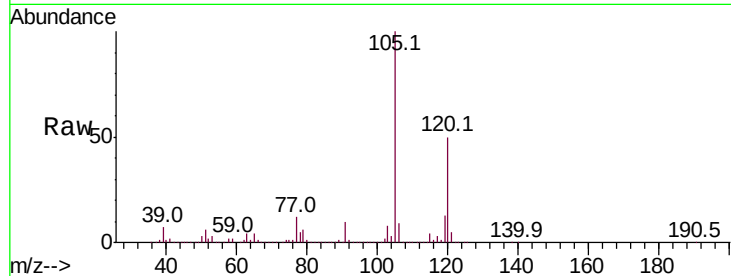
FL-0599

Tot Ion:105 Resp: 594875

Ion Ratio Lower Upper

105 100

120 50.0 25.2 75.6



#83

tert-Butylbenzene

Concen: 0.984 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

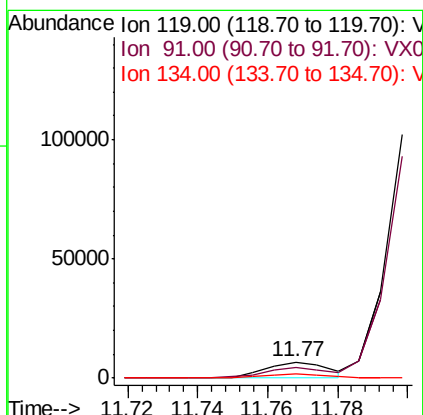
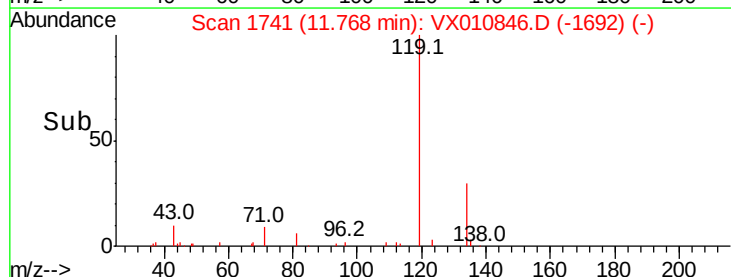
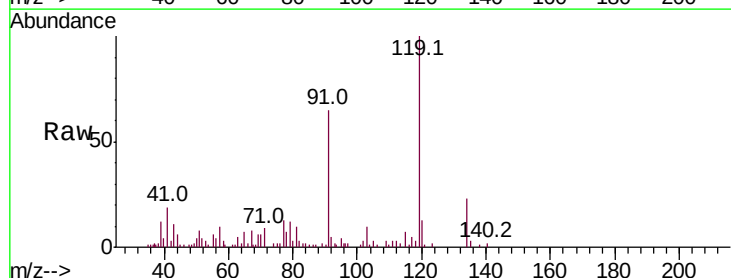
Tgt Ion:119 Resp: 8338

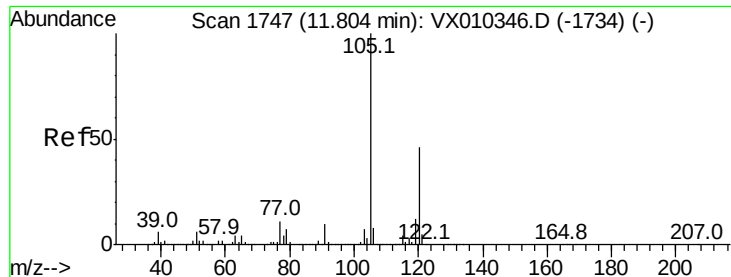
Ion Ratio Lower Upper

119 100

91 63.4 27.6 82.7

134 23.6 11.8 35.4





#84

1,2,4-Trimethylbenzene

Concen: 193.345 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

Instrument :

MSVOA_X

ClientSampled :

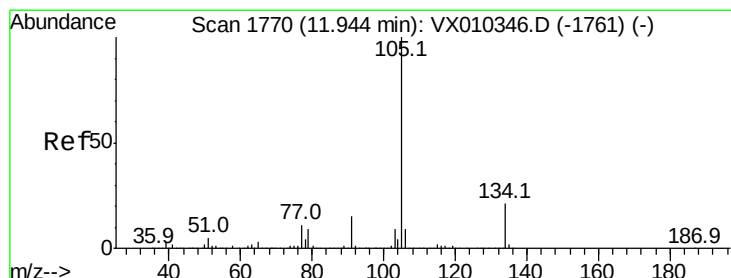
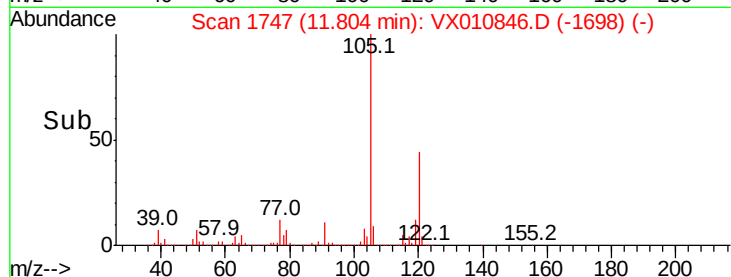
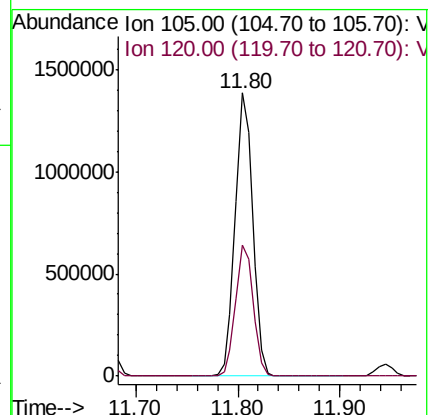
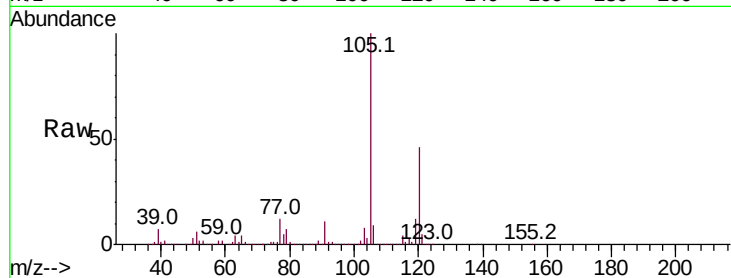
FL-0599

Tot Ion:105 Resp: 1640109

Ion Ratio Lower Upper

105 100

120 46.6 23.1 69.2



#85

sec-Butylbenzene

Concen: 7.119 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010846.D

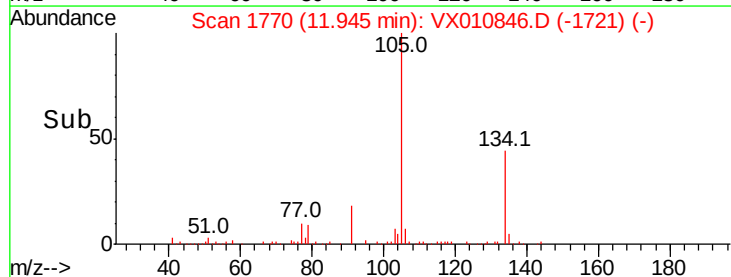
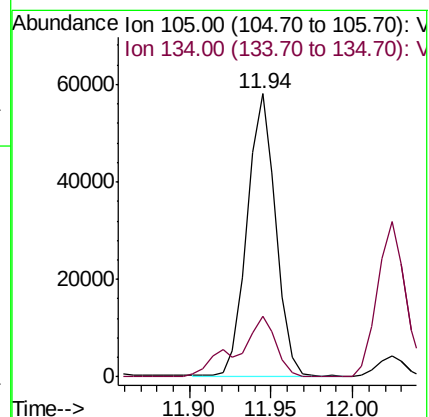
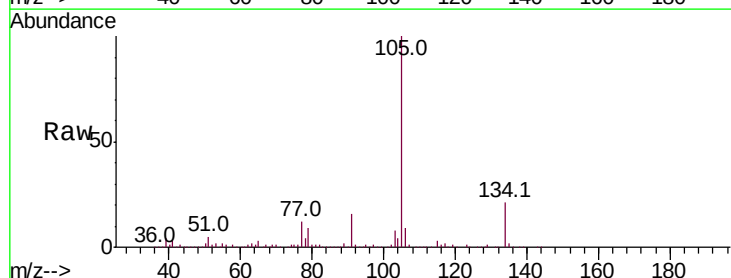
Acq: 12 Jul 2019 19:10

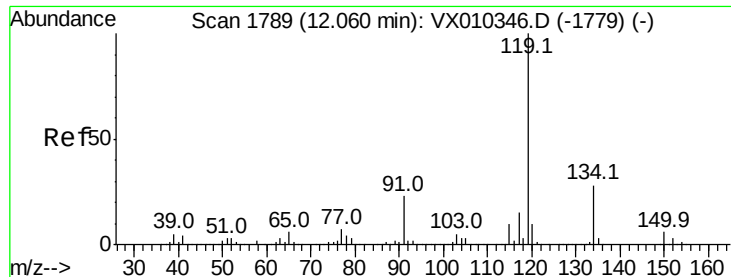
Tgt Ion:105 Resp: 70834

Ion Ratio Lower Upper

105 100

134 29.2 10.7 31.9

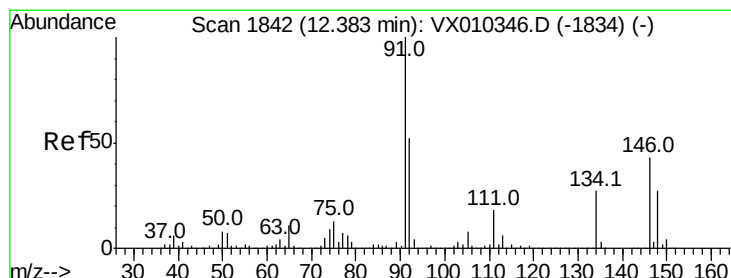
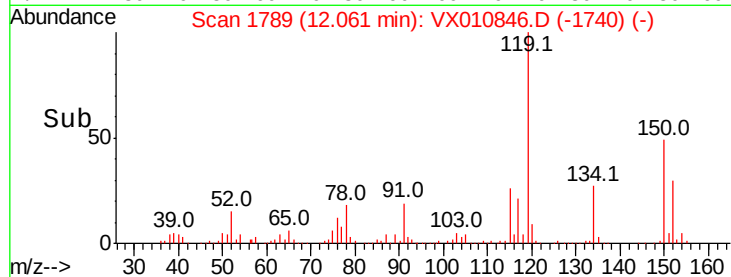
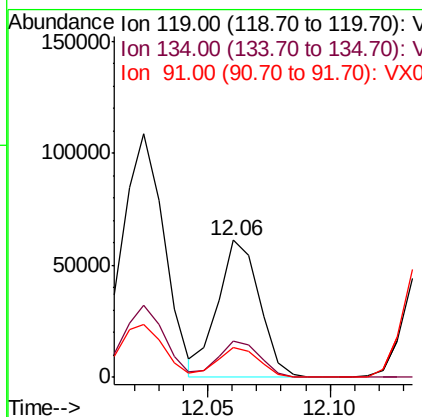
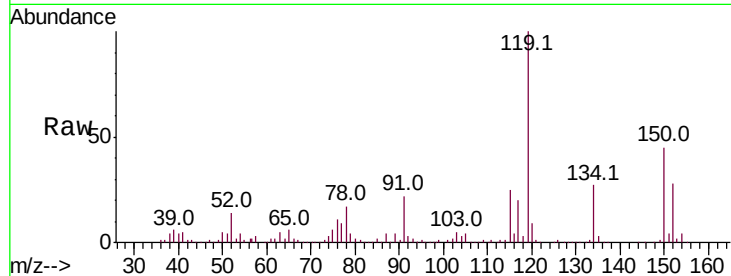




#86
p-Isopropyltoluene
Concen: 7.845 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010846.D
Acq: 12 Jul 2019 19:10

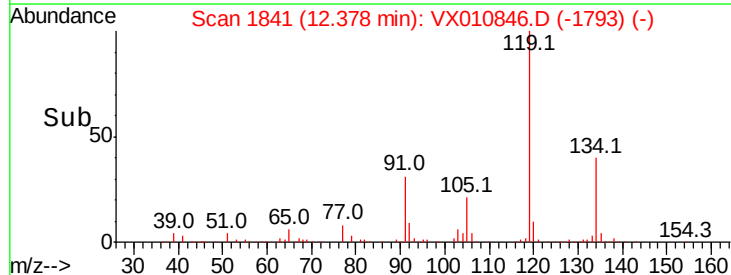
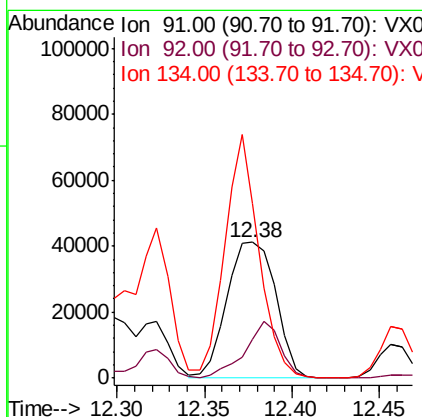
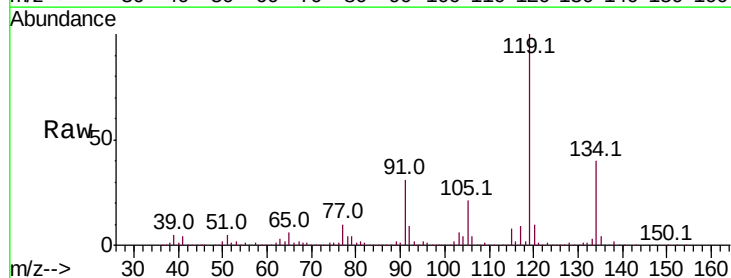
Instrument :
MSVOA_X
ClientSampled :
FL-0599

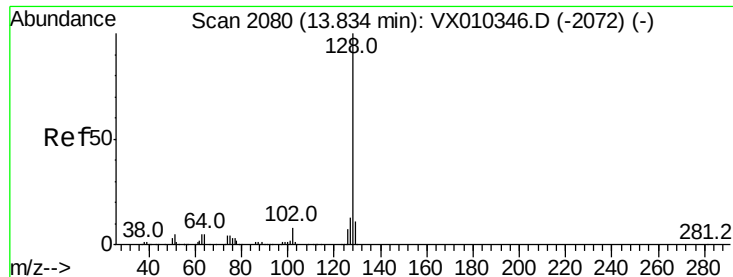
Tot Ion:119 Resp: 72201
Ion Ratio Lower Upper
119 100
134 27.1 13.7 41.1
91 22.3 11.3 33.8



#89
n-Butylbenzene
Concen: 10.177 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010846.D
Acq: 12 Jul 2019 19:10

Tgt Ion: 91 Resp: 79591
Ion Ratio Lower Upper
91 100
92 30.6 26.2 78.5
134 124.1 14.1 42.4#





#95

Naphthalene

Concen: 7.457 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010846.D

Acq: 12 Jul 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

FL-0599

Tot Ion:128 Resp: 78847

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

129 14.3 8.9 13.3#

