

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010862.D
 Acq On : 13 Jul 2019 01:45
 Operator : JC/SP
 Sample : K3791-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0595

Quant Time: Jul 15 08:57:25 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	245306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	381746	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	360092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190326	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	128548	55.89	ug/l	0.00
Spiked Amount			Recovery	=	111.78%	
35) Dibromofluoromethane	5.50	113	116874	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	8.71	98	463408	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.13	95	173084	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	

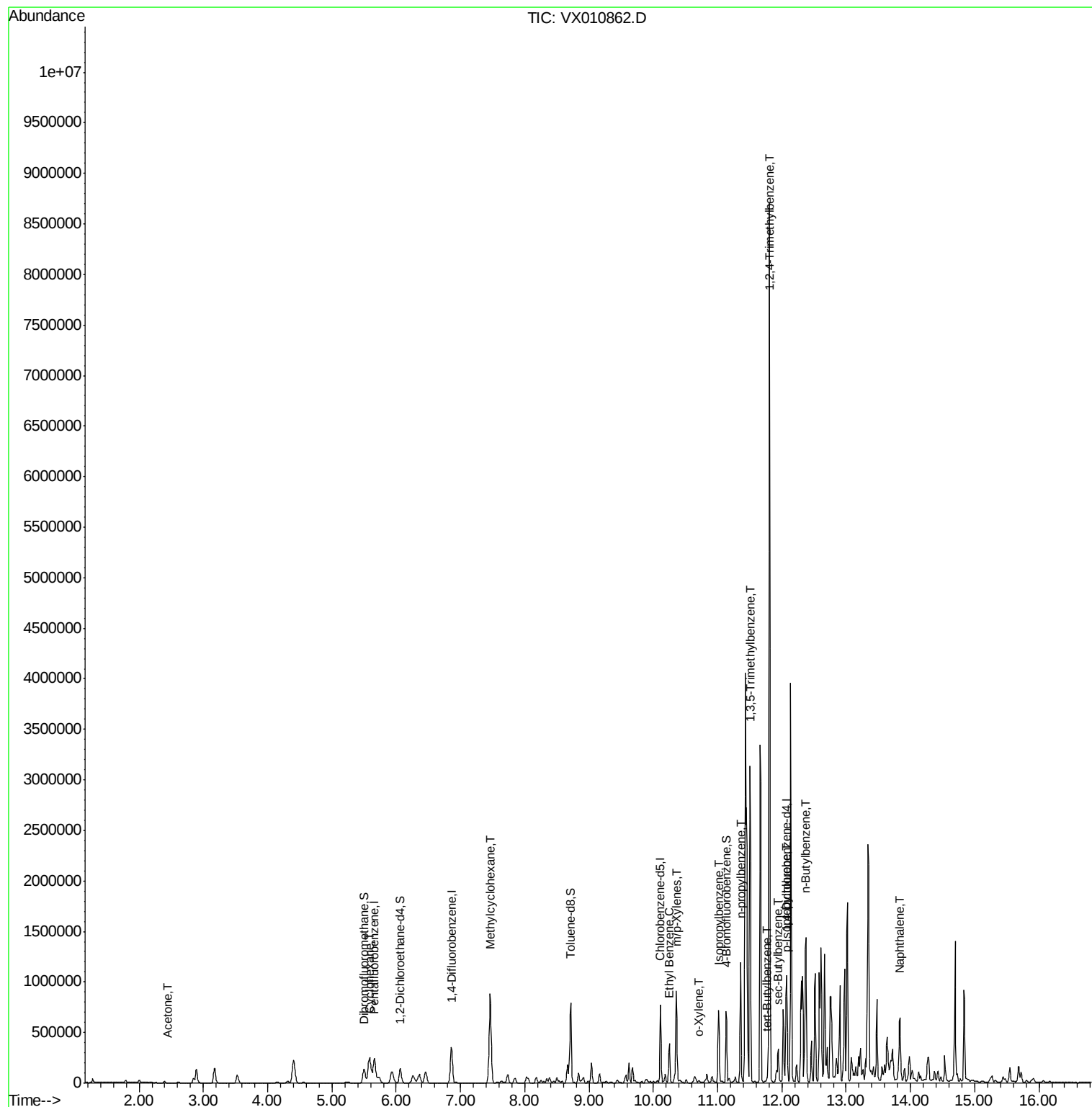
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	2905	2.520	ug/l	94
31) Cyclohexane	5.58	56	180589	54.358	ug/l	95
39) Methylcyclohexane	7.46	83	411140	103.106	ug/l	97
67) Ethyl Benzene	10.25	91	210563	17.061	ug/l	100
68) m/p-Xylenes	10.36	106	203174	42.486	ug/l	97
69) o-Xylene	10.69	106	2856	0.607	ug/l	99
73) Isopropylbenzene	11.02	105	382215	29.625	ug/l	98
78) n-propylbenzene	11.36	91	706862	49.851	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	1339352	125.927	ug/l	98
83) tert-Butylbenzene	11.77	119	16282	1.525	ug/l #	46
84) 1,2,4-Trimethylbenzene	11.80	105	3913277	366.213	ug/l	100
85) sec-Butylbenzene	11.94	105	166698	13.300	ug/l	84
86) p-Isopropyltoluene	12.06	119	190084	16.396	ug/l	98
89) n-Butylbenzene	12.37	91	181527	18.426	ug/l #	13
95) Naphthalene	13.83	128	397845	29.870	ug/l	98

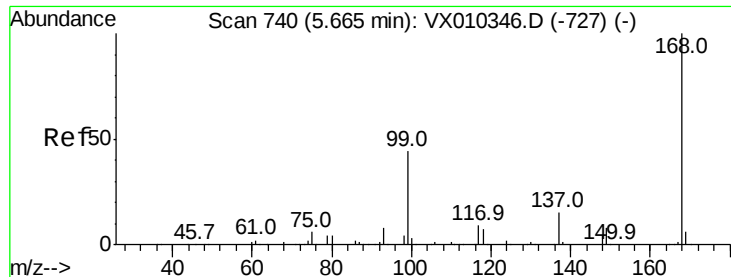
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX010862.D

Acq: 13 Jul 2019 01:45

Instrument :

MSVOA_X

ClientSampleId :

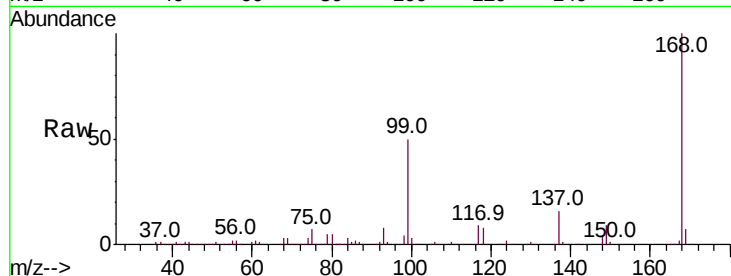
FL-0595

Tot Ion:168 Resp: 245306

Ion Ratio Lower Upper

168 100

99 50.3 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

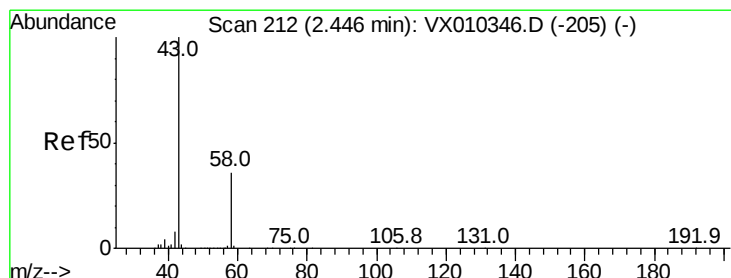
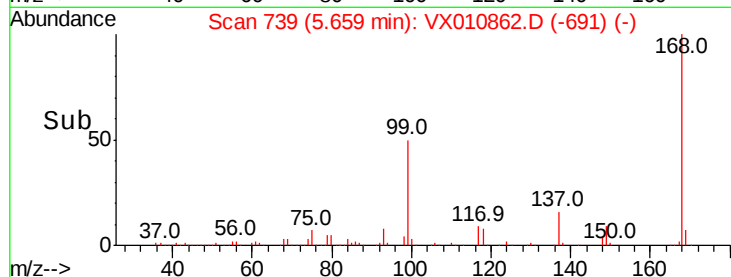
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 2.520 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010862.D

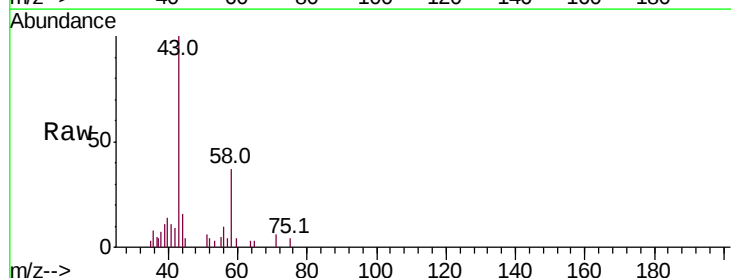
Acq: 13 Jul 2019 01:45

Tgt Ion: 43 Resp: 2905

Ion Ratio Lower Upper

43 100

58 39.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

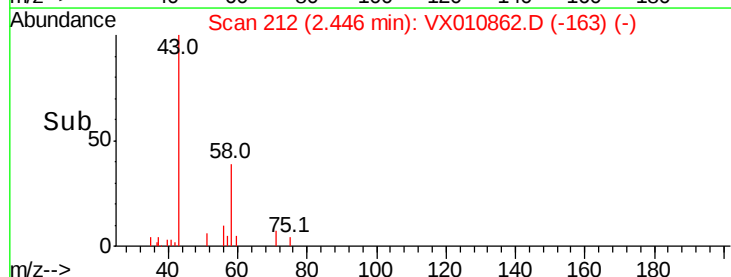
3000

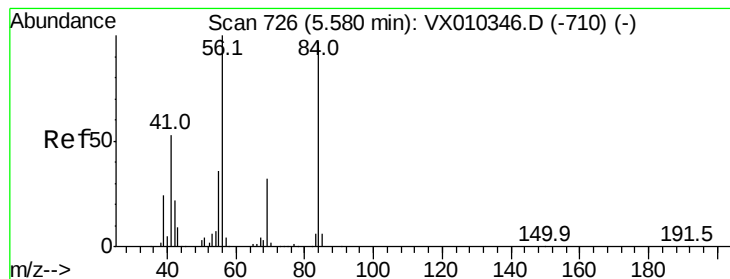
2000

1000

0

Time--> 2.40 2.45 2.50





#31

Cyclohexane

Concen: 54.358 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010862.D

Acq: 13 Jul 2019 01:45

Instrument :

MSVOA_X

ClientSampleId :

FL-0595

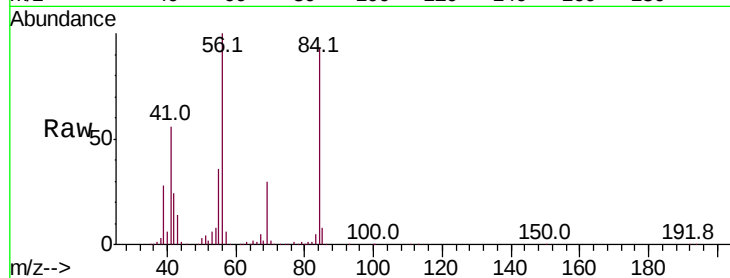
Tot Ion: 56 Resp: 180589

Ion Ratio Lower Upper

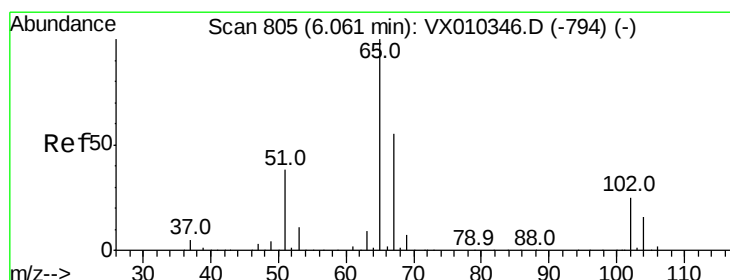
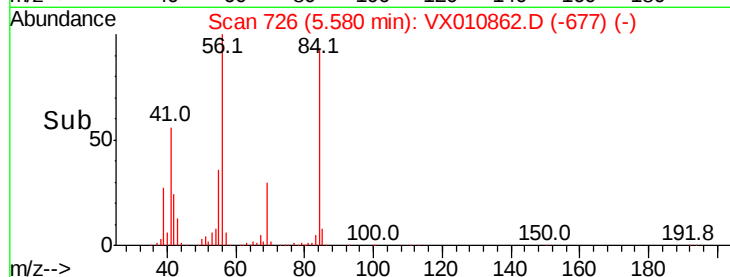
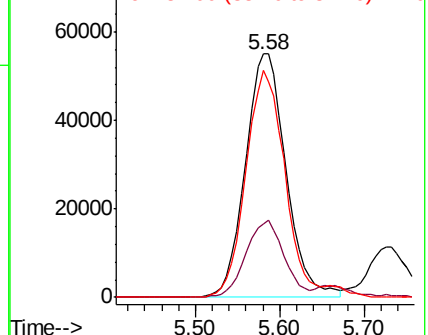
56 100

69 29.8 25.9 38.9

84 93.1 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



#33

1,2-Dichloroethane-d4

Concen: 55.891 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010862.D

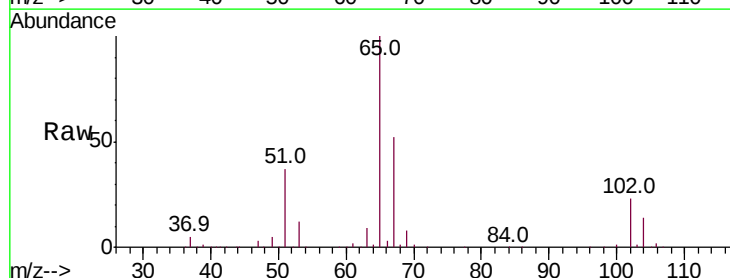
Acq: 13 Jul 2019 01:45

Tgt Ion: 65 Resp: 128548

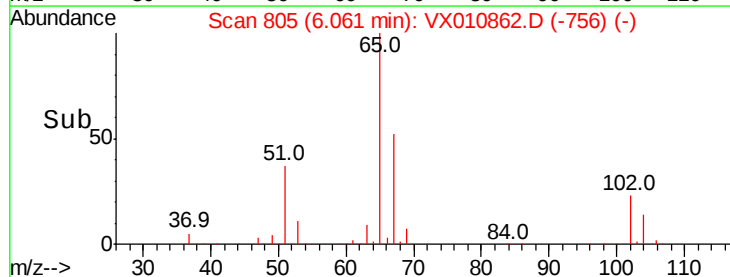
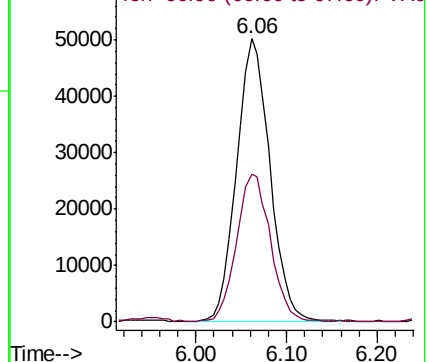
Ion Ratio Lower Upper

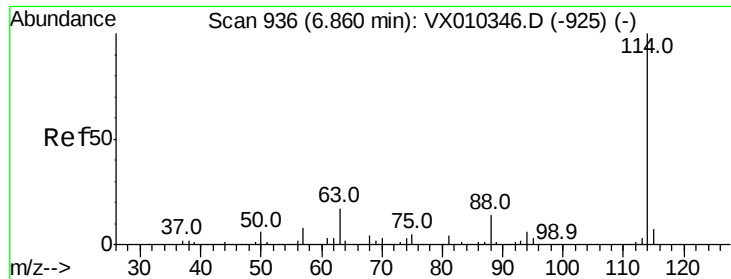
65 100

67 52.5 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: VX010862.D

Acq: 13 Jul 2019 01:45

Instrument :

MSVOA_X

ClientSampleId :

FL-0595

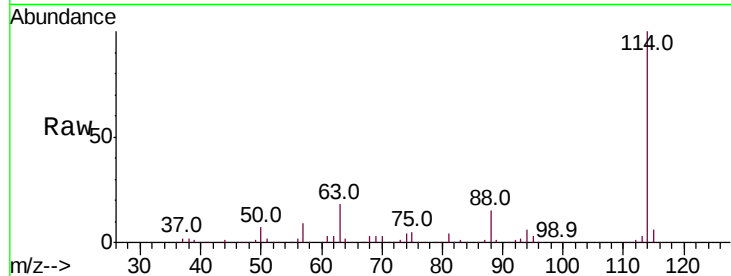
Tot Ion:114 Resp: 381746

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.8

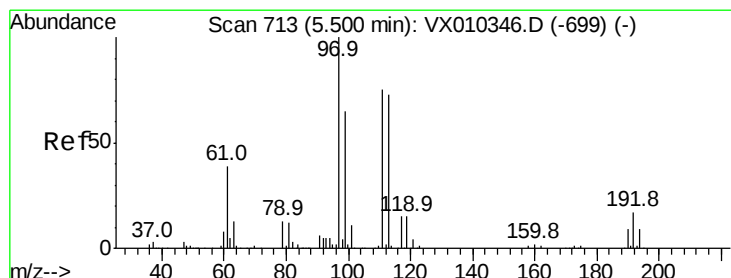
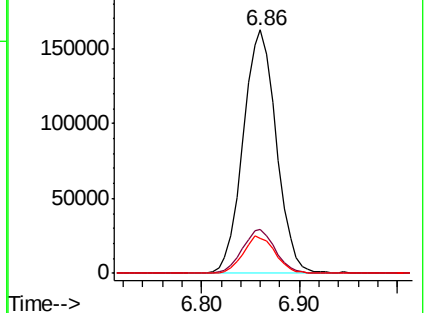
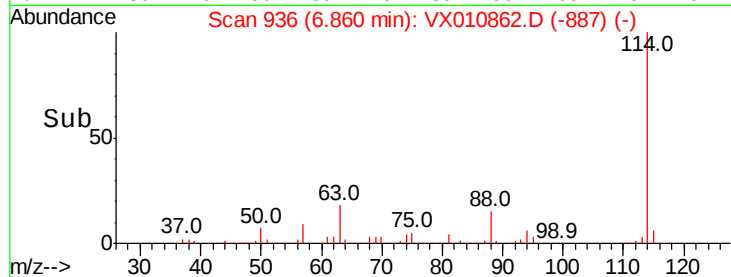
88 14.5 0.0 27.6



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: 50.039 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010862.D

Acq: 13 Jul 2019 01:45

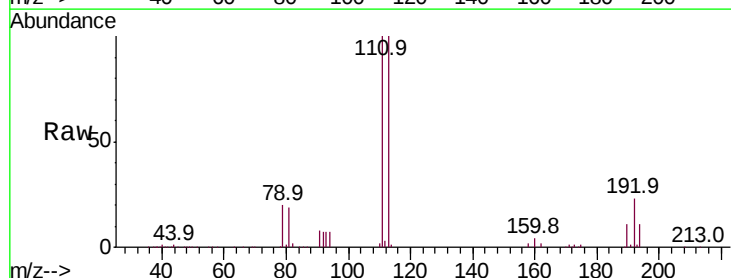
Tgt Ion:113 Resp: 116874

Ion Ratio Lower Upper

113 100

111 101.2 81.2 121.8

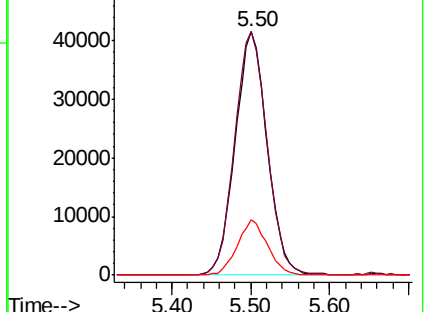
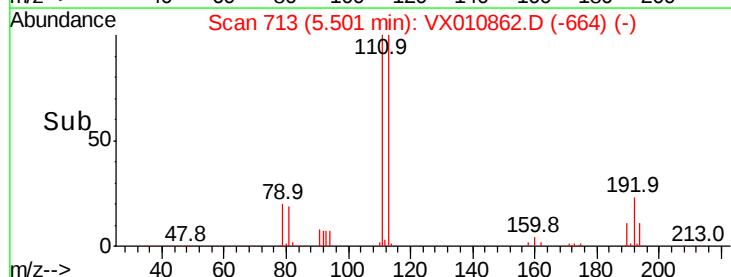
192 21.6 18.6 27.8

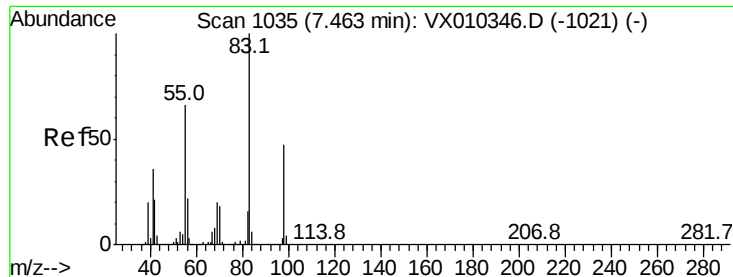


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methvlcvclohexane

Concen: 103.106 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010862.D

Acq: 13 Jul 2019 01:45

Instrument :

MSVOA_X

ClientSampleId :

FL-0595

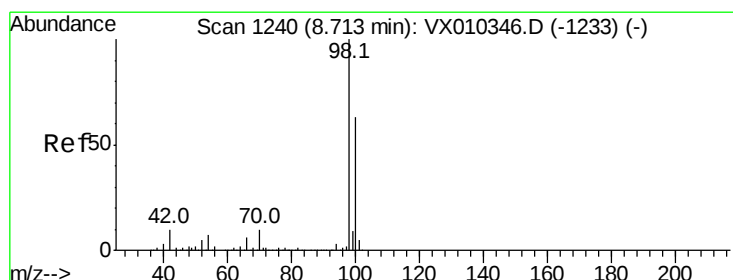
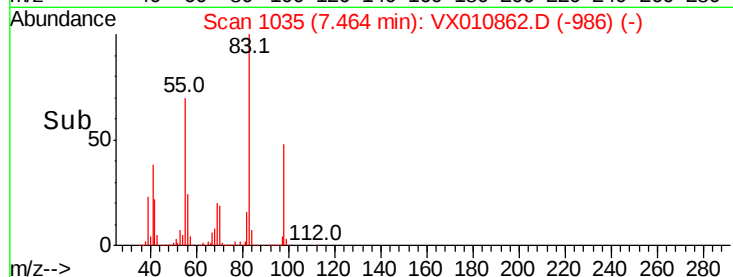
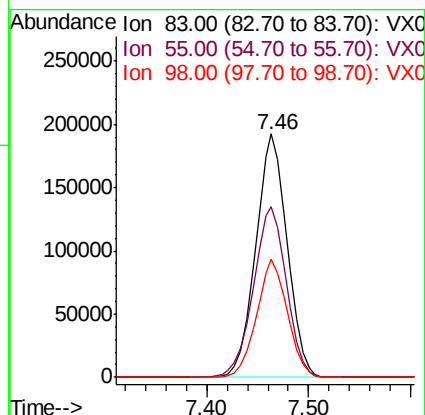
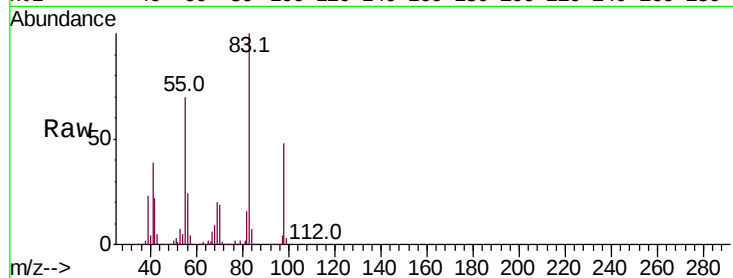
Tot Ion: 83 Resp: 411140

Ion Ratio Lower Upper

83 100

55 69.8 53.0 79.6

98 48.3 37.8 56.8



#50

Toluene-d8

Concen: 51.860 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010862.D

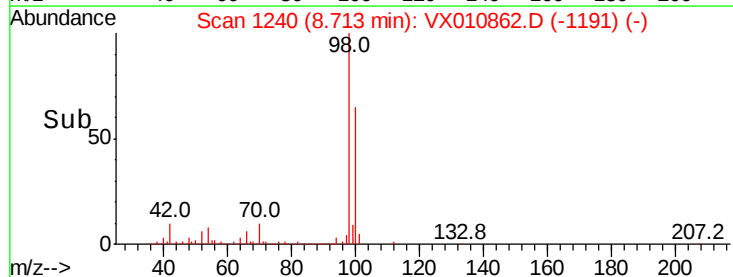
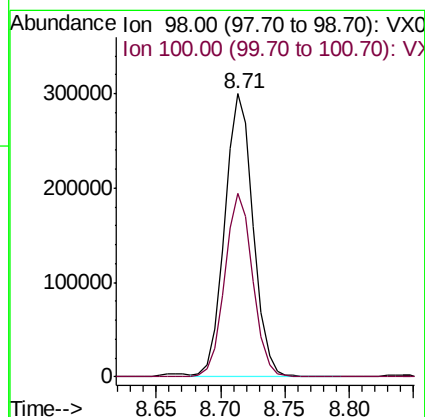
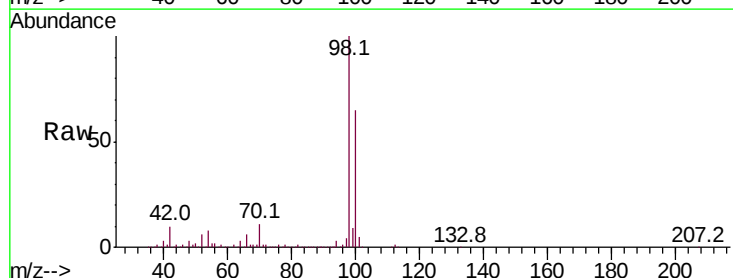
Acq: 13 Jul 2019 01:45

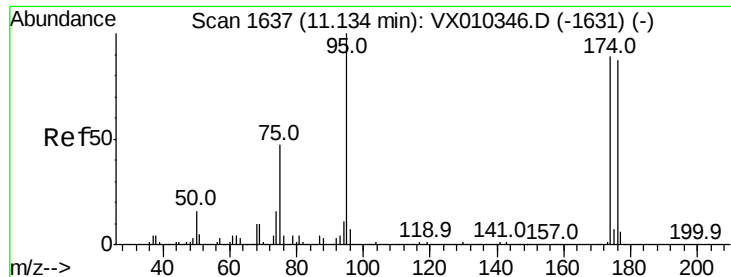
Tgt Ion: 98 Resp: 463408

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 53.652 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010862.D

Acq: 13 Jul 2019 01:45

Instrument :

MSVOA_X

ClientSampleId :

FL-0595

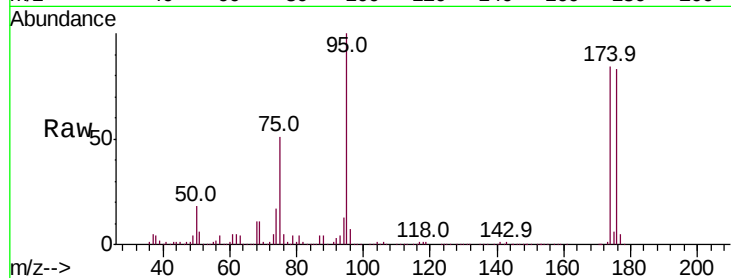
Tot Ion: 95 Resp: 173084

Ion Ratio Lower Upper

95 100

174 89.6 0.0 187.6

176 87.7 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) (-)

11.13

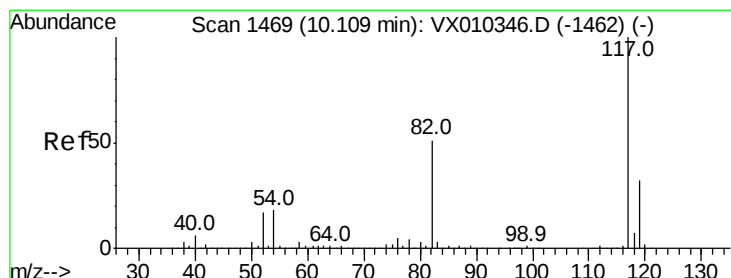
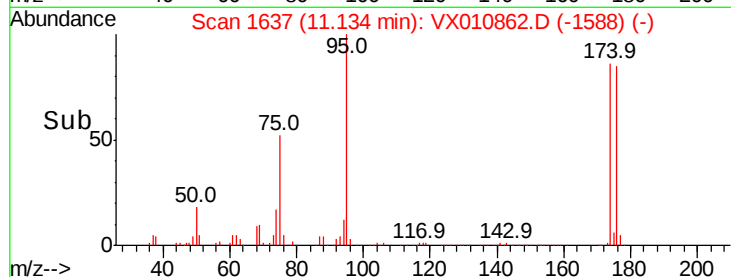
150000

100000

50000

0

Time--> 11.05 11.10 11.15



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010862.D

Acq: 13 Jul 2019 01:45

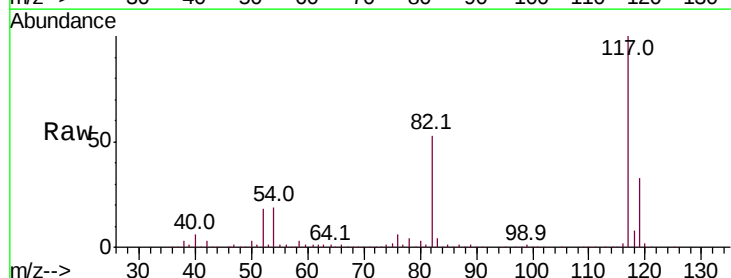
Tgt Ion: 117 Resp: 360092

Ion Ratio Lower Upper

117 100

82 53.1 41.2 61.8

119 32.7 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) (-)

10.11

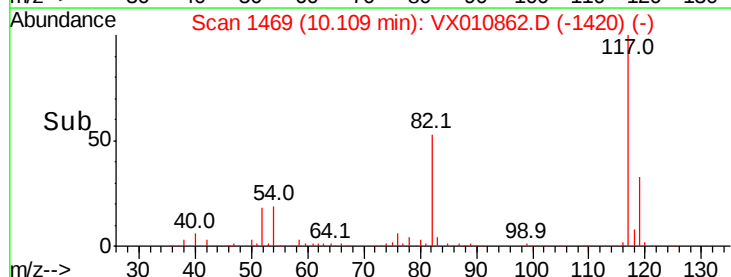
300000

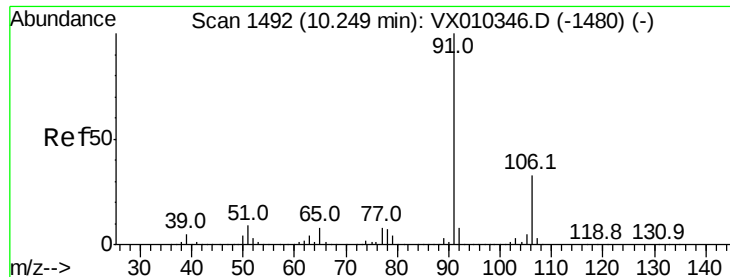
200000

100000

0

Time--> 10.00 10.10 10.20





#67

Ethyl Benzene

Concen: 17.061 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010862.D

Acq: 13 Jul 2019 01:45

Instrument :

MSVOA_X

ClientSampleId :

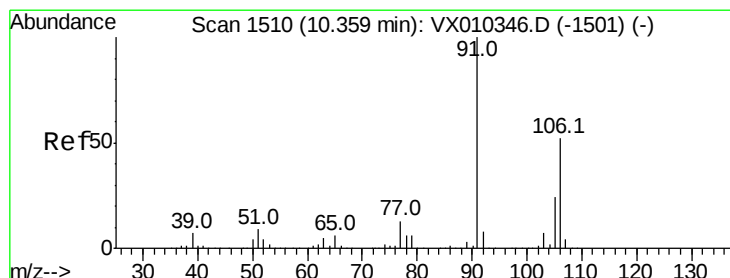
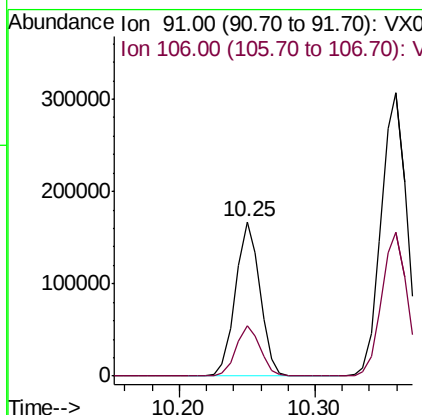
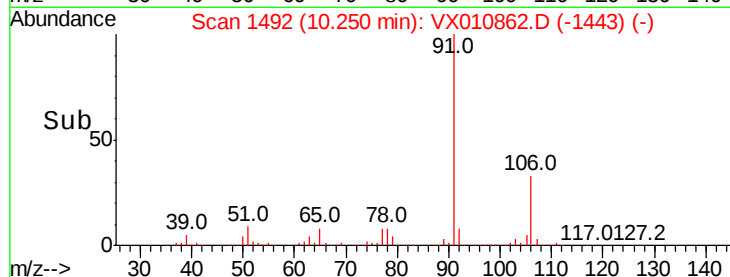
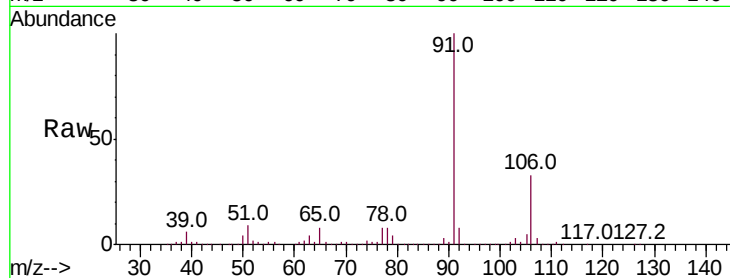
FL-0595

Tot Ion: 91 Resp: 210563

Ion Ratio Lower Upper

91 100

106 32.7 26.2 39.2



#68

m/p-Xylenes

Concen: 42.486 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010862.D

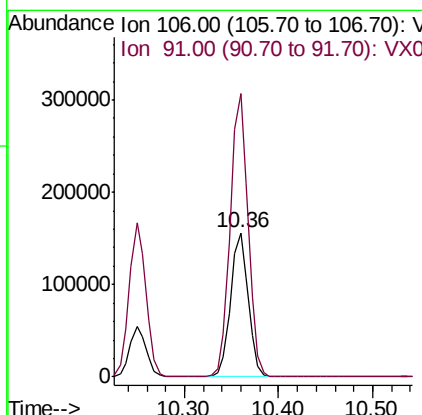
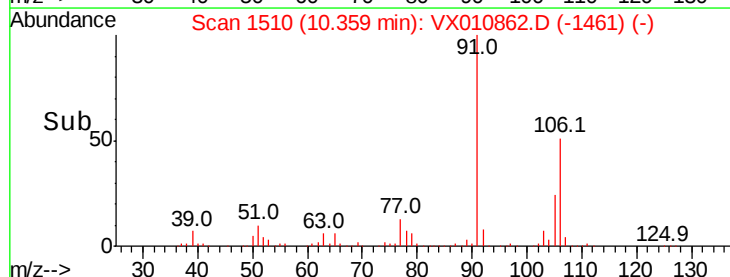
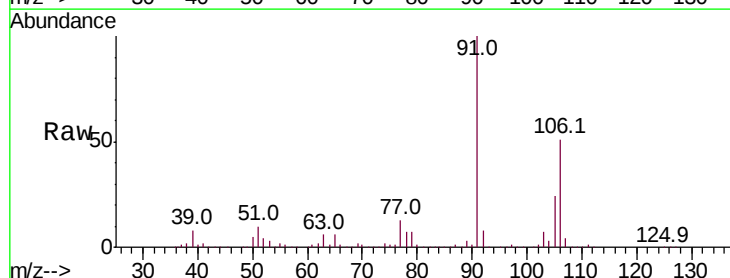
Acq: 13 Jul 2019 01:45

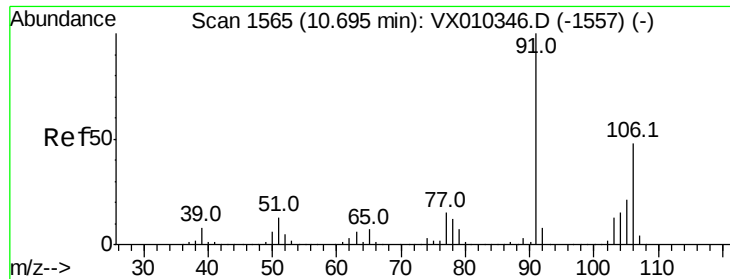
Tgt Ion: 106 Resp: 203174

Ion Ratio Lower Upper

106 100

91 199.1 155.3 232.9

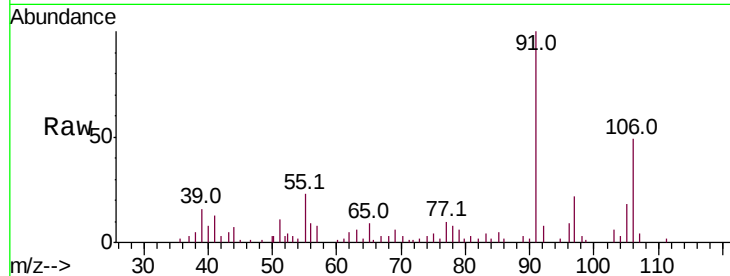




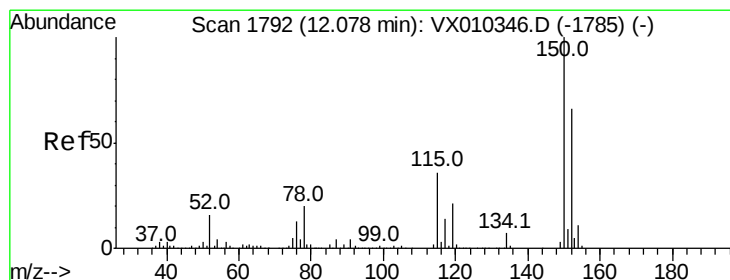
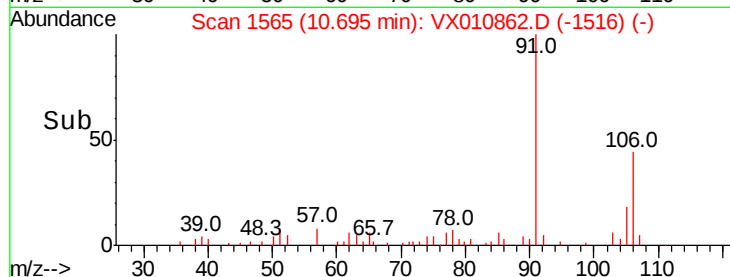
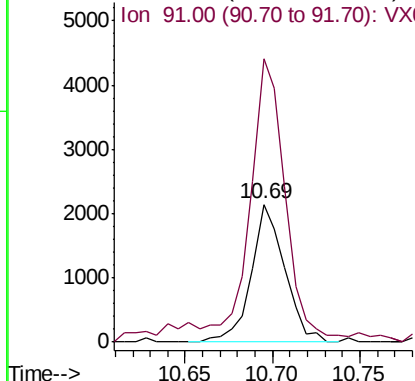
#69
o-Xylene
Concen: 0.607 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010862.D
Acq: 13 Jul 2019 01:45

Instrument :
MSVOA_X
ClientSampled :
FL-0595

Tot Ion:106 Resp: 2856
Ion Ratio Lower Upper
106 100
91 203.3 102.7 308.1

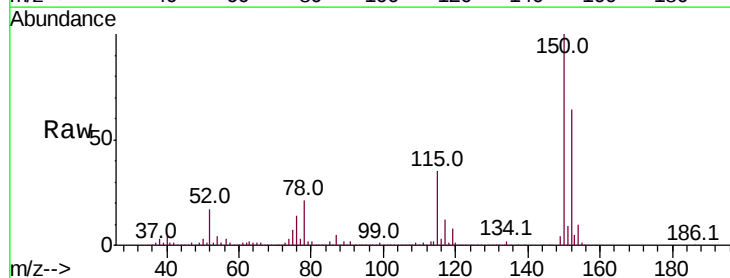


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

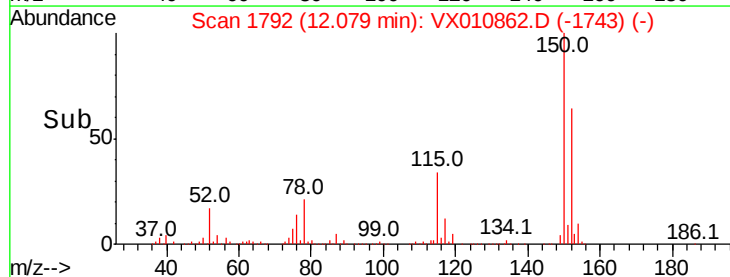
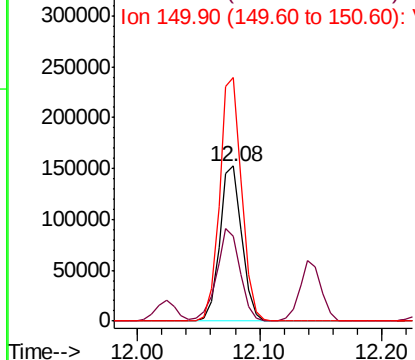


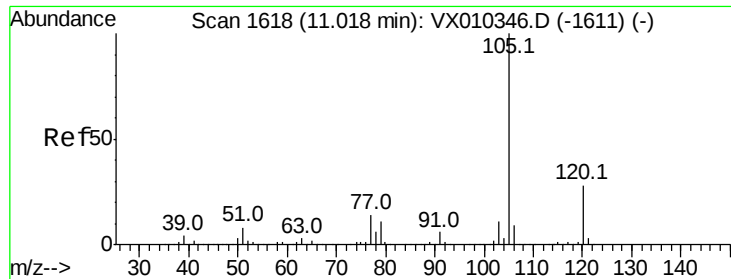
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010862.D
Acq: 13 Jul 2019 01:45

Tgt Ion:152 Resp: 190326
Ion Ratio Lower Upper
152 100
115 63.1 38.6 115.7
150 156.9 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: 29.625 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010862.D

Acq: 13 Jul 2019 01:45

Instrument :

MSVOA_X

ClientSampleId :

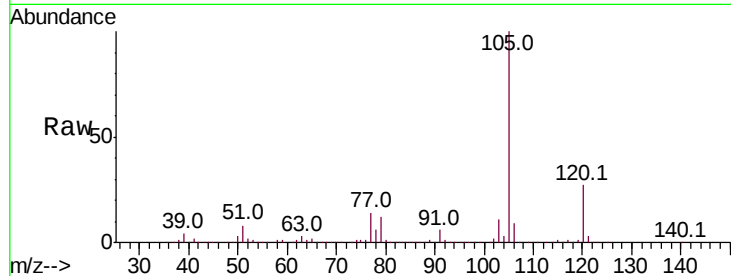
FL-0595

Tot Ion:105 Resp: 382215

Ion Ratio Lower Upper

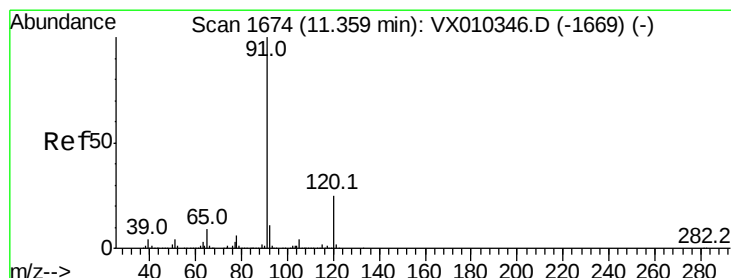
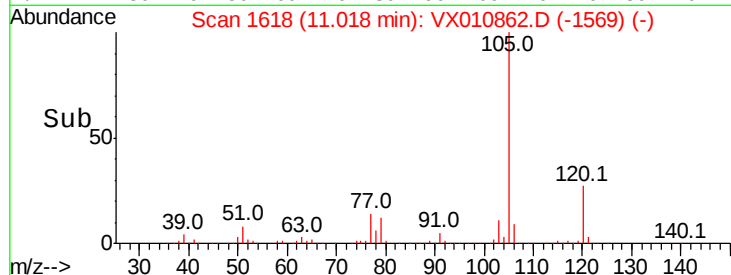
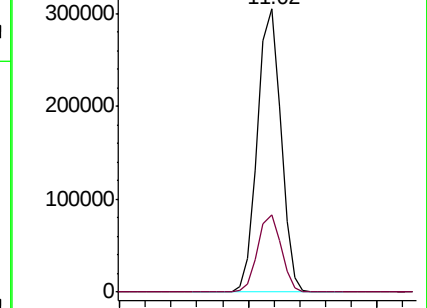
105 100

120 27.3 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: 49.851 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010862.D

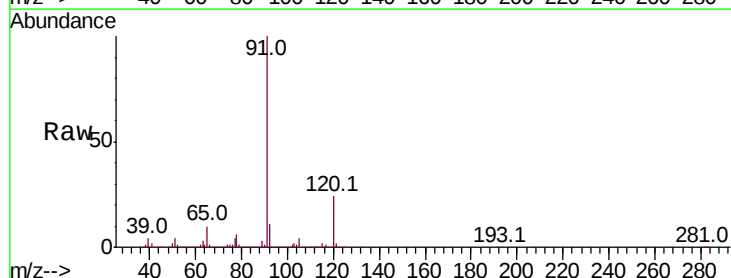
Acq: 13 Jul 2019 01:45

Tgt Ion: 91 Resp: 706862

Ion Ratio Lower Upper

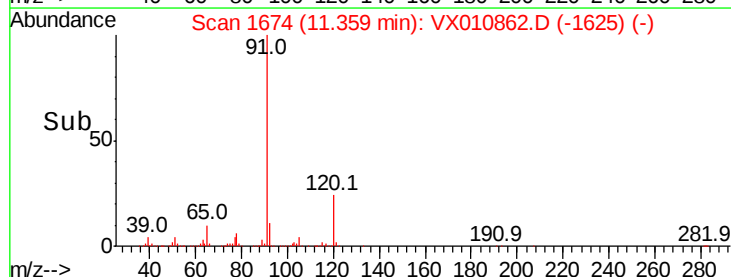
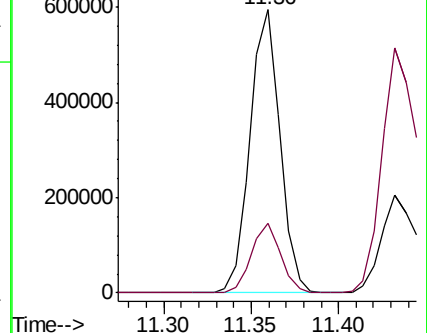
91 100

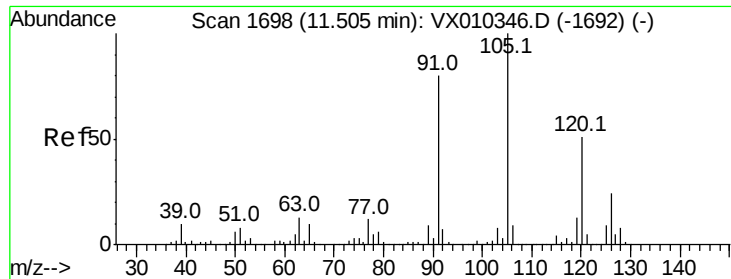
120 24.1 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

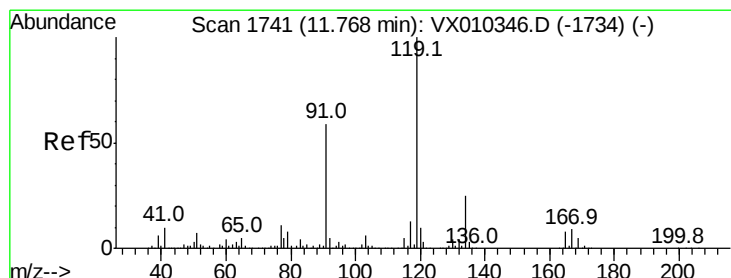
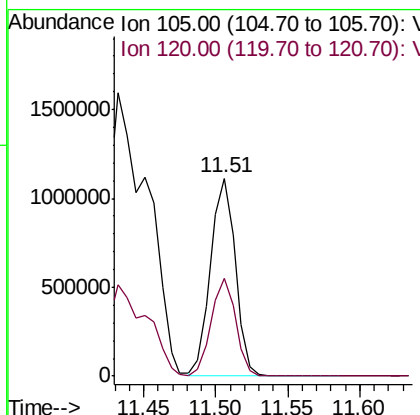
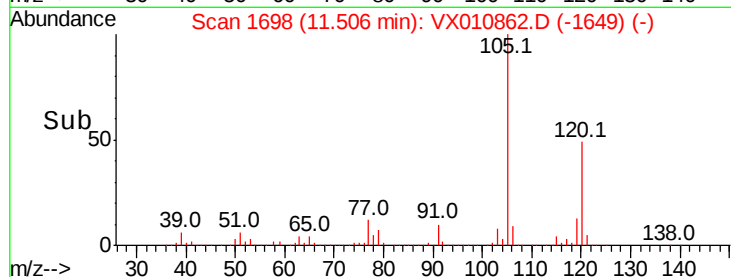
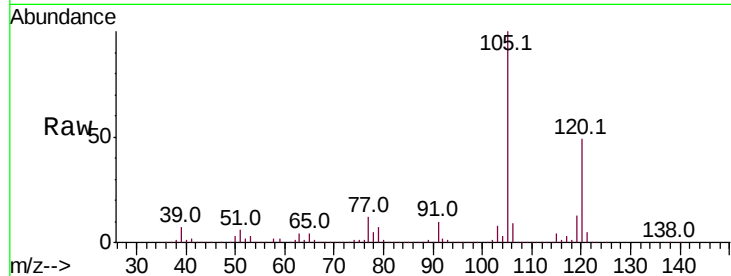




#80
 1,3,5-Trimethylbenzene
 Concen: 125.927 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010862.D
 Acq: 13 Jul 2019 01:45

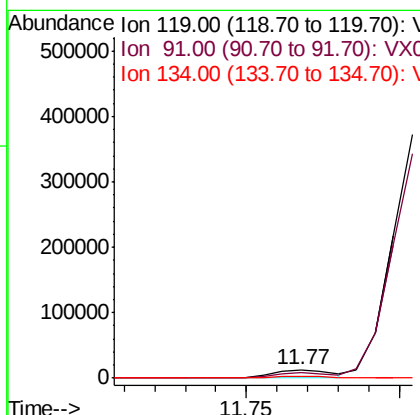
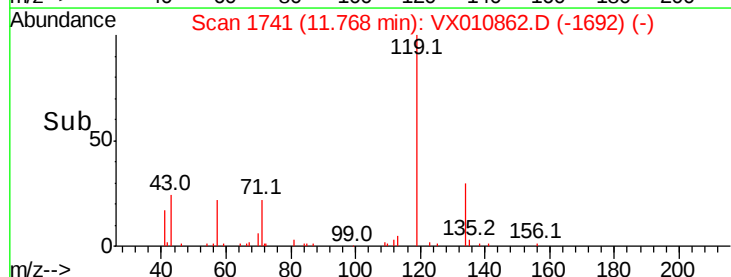
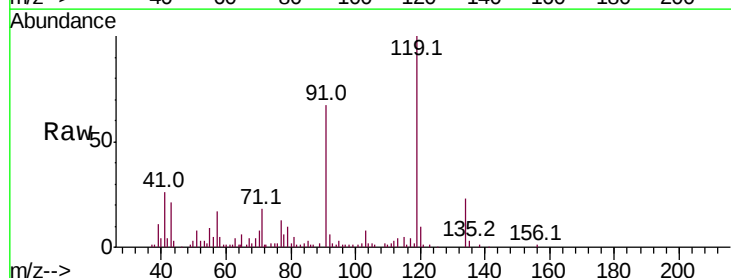
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0595

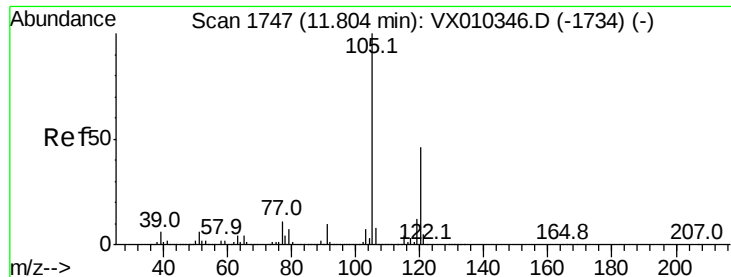
Tot Ion:105 Resp: 1339352
 Ion Ratio Lower Upper
 105 100
 120 49.0 25.2 75.6



#83
 tert-Butylbenzene
 Concen: 1.525 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010862.D
 Acq: 13 Jul 2019 01:45

Tgt Ion:119 Resp: 16282
 Ion Ratio Lower Upper
 119 100
 91 0.0 27.6 82.7#
 134 24.1 11.8 35.4



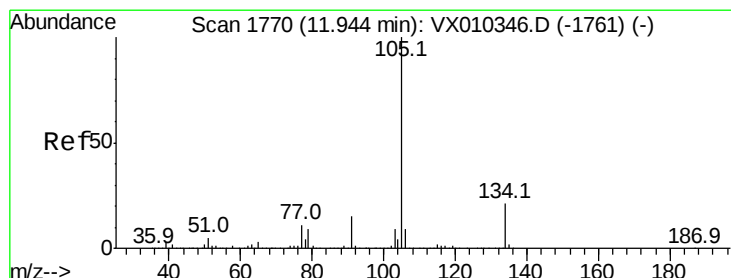
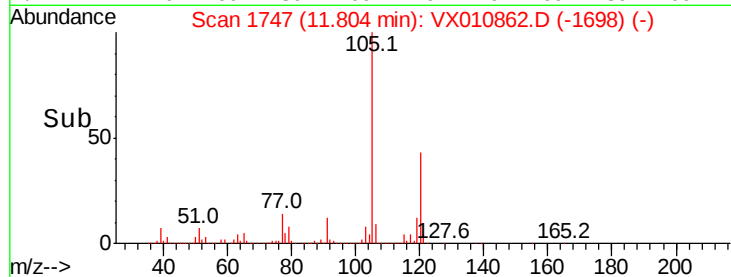
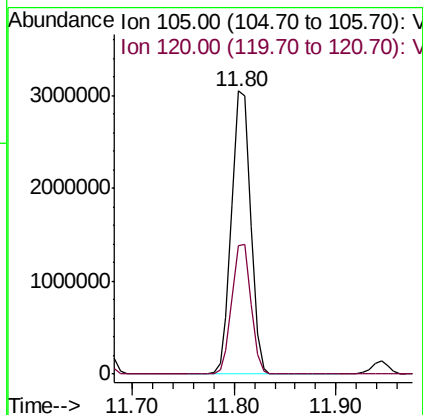
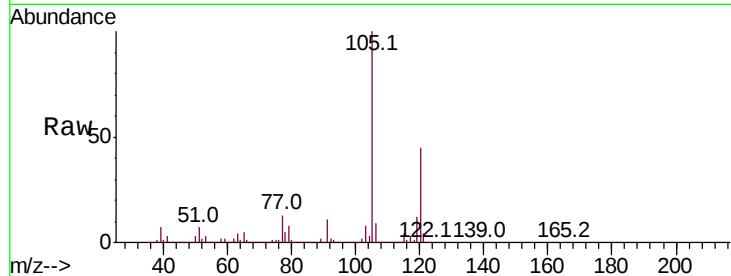


#84

1,2,4-Trimethylbenzene
Concen: 366.213 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010862.D
Acq: 13 Jul 2019 01:45

Instrument :
MSVOA_X
ClientSampleId :
FL-0595

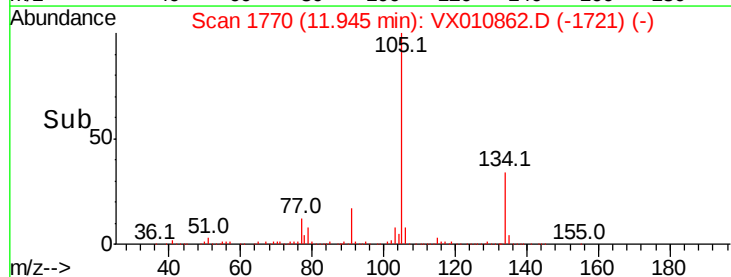
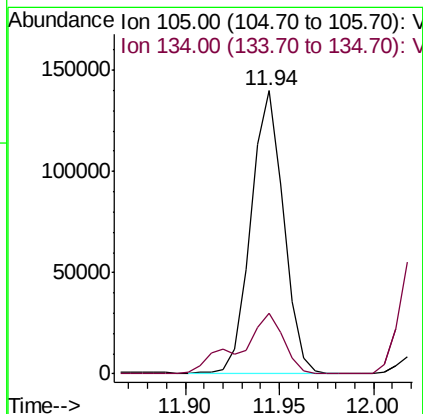
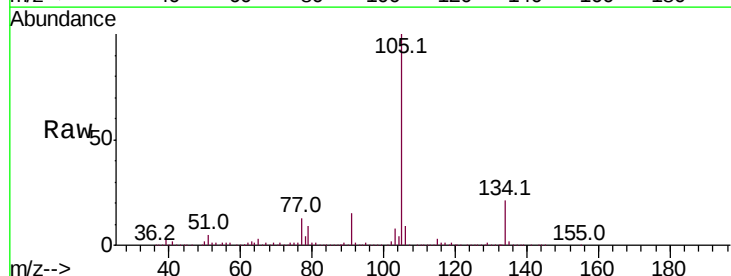
Tot Ion:105 Resp: 3913277
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.2

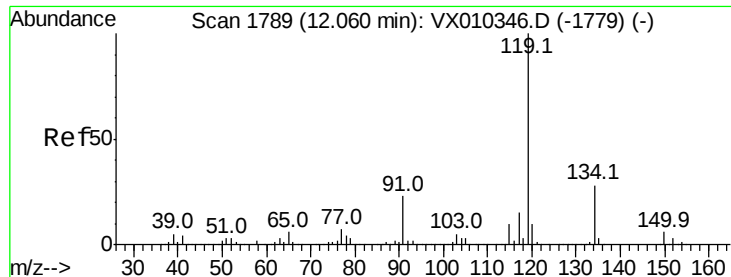


#85

sec-Butylbenzene
Concen: 13.300 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX010862.D
Acq: 13 Jul 2019 01:45

Tgt Ion:105 Resp: 166698
Ion Ratio Lower Upper
105 100
134 29.0 10.7 31.9

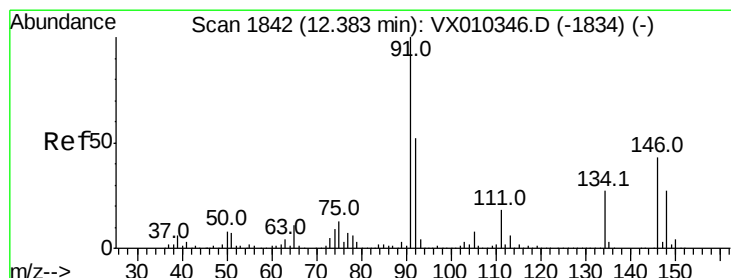
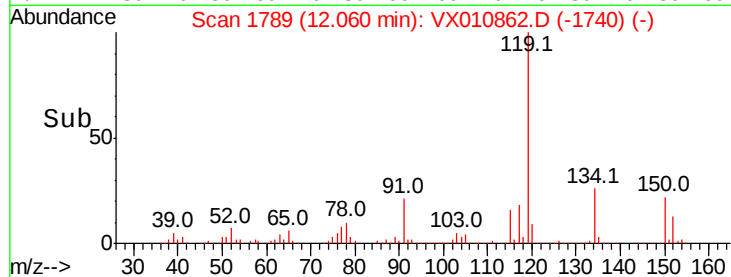
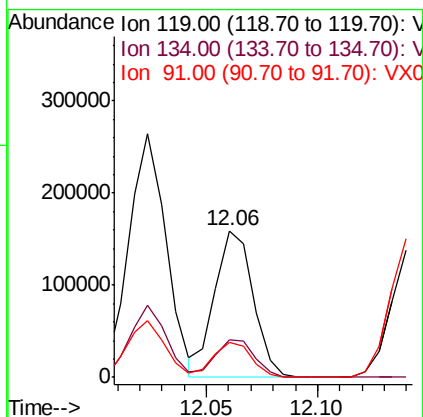
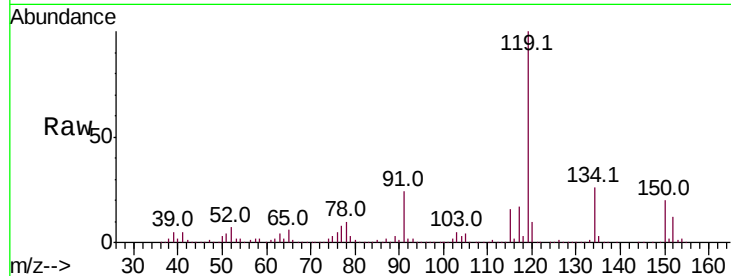




#86
p-Isopropyltoluene
Concen: 16.396 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010862.D
Acq: 13 Jul 2019 01:45

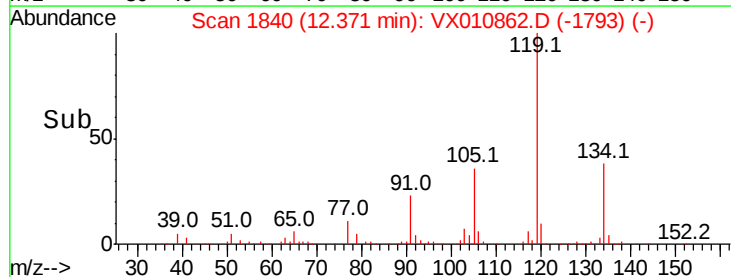
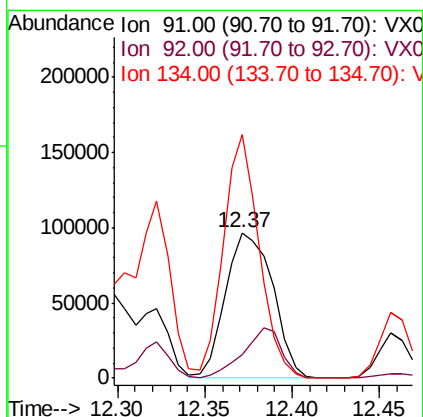
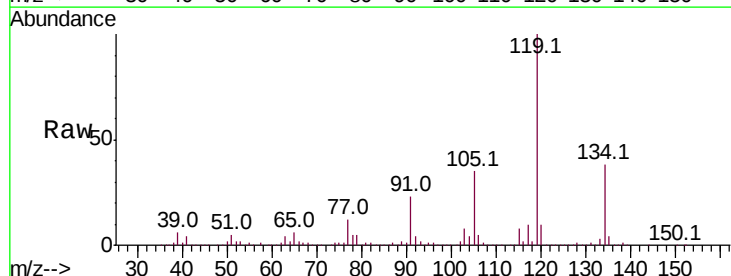
Instrument :
MSVOA_X
ClientSampleId :
FL-0595

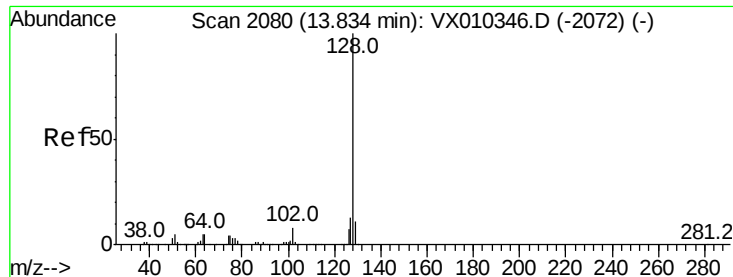
Tot Ion:119 Resp: 190084
Ion Ratio Lower Upper
119 100
134 26.8 13.7 41.1
91 23.6 11.3 33.8



#89
n-Butylbenzene
Concen: 18.426 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX010862.D
Acq: 13 Jul 2019 01:45

Tgt Ion: 91 Resp: 181527
Ion Ratio Lower Upper
91 100
92 28.2 26.2 78.5
134 125.2 14.1 42.4#





#95
Naphthalene
Concen: 29.870 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010862.D
Acq: 13 Jul 2019 01:45

Instrument :
MSVOA_X
ClientSampleId :
FL-0595

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	12.4	8.9	13.3

