

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010888.D
 Acq On : 15 Jul 2019 16:37
 Operator : JC/SP
 Sample : K3786-11DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0599DL

Quant Time: Jul 16 03:37:44 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	220564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347480	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	318469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154421	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	116270	56.22	ug/l	0.00
Spiked Amount			Recovery	=	112.44%	
35) Dibromofluoromethane	5.50	113	107580	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	8.71	98	421174	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.13	95	147965	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	

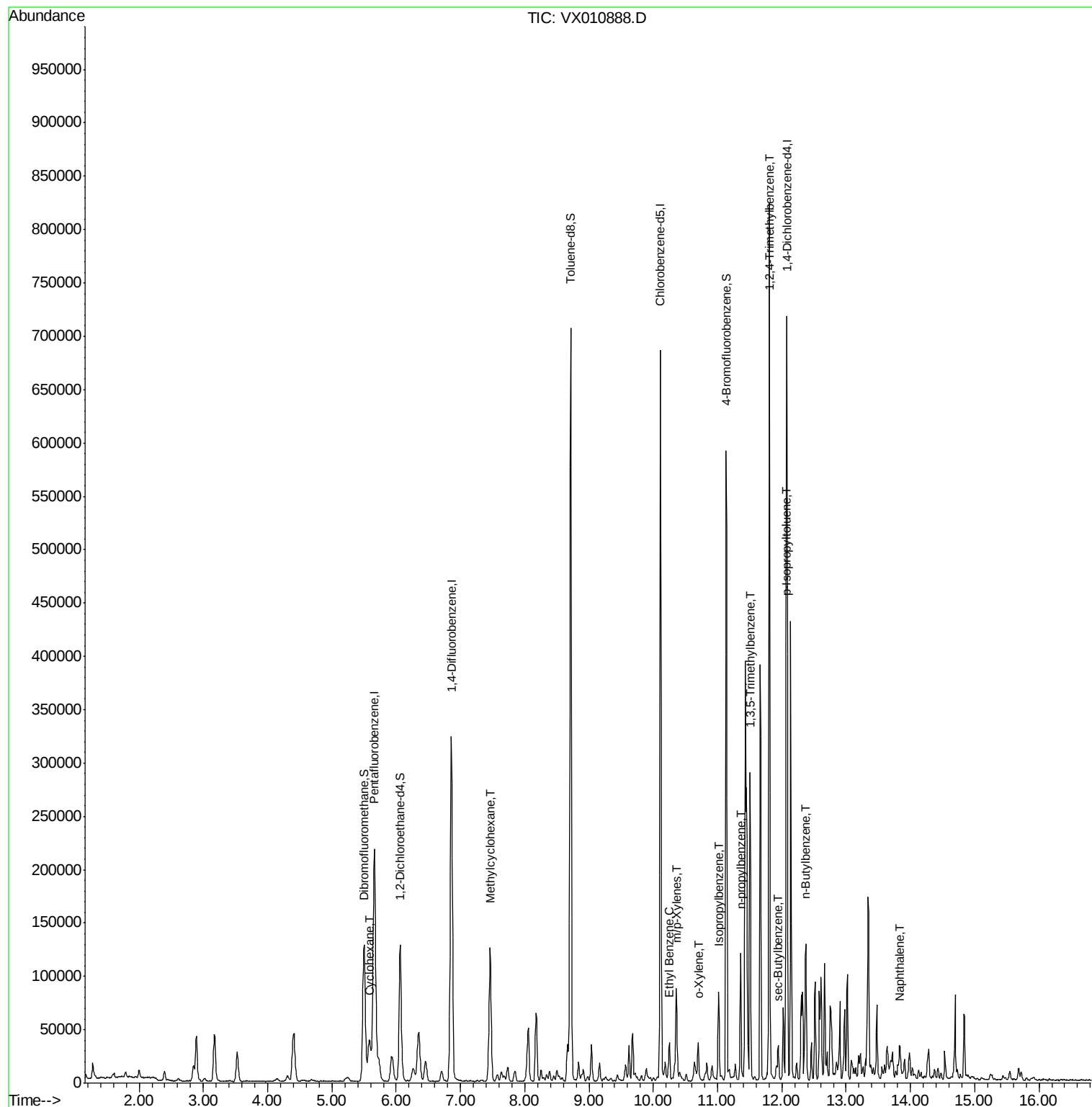
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.59	56	27574	9.231	ug/l	93
39) Methylcyclohexane	7.46	83	58357	16.078	ug/l	96
67) Ethyl Benzene	10.25	91	17932	1.643	ug/l	99
68) m/p-Xylenes	10.36	106	17920	4.237	ug/l	96
69) o-Xylene	10.69	106	7812	1.878	ug/l	95
73) Isopropylbenzene	11.02	105	43015	4.109	ug/l	97
78) n-propylbenzene	11.36	91	71478	6.213	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	120857	14.005	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	345941	39.901	ug/l	99
85) sec-Butylbenzene	11.94	105	16547	1.627	ug/l	85
86) p-Isopropyltoluene	12.06	119	15429	1.640	ug/l	95
89) n-Butylbenzene	12.38	91	15833	1.981	ug/l #	19
95) Naphthalene	13.83	128	18378	1.701	ug/l #	92

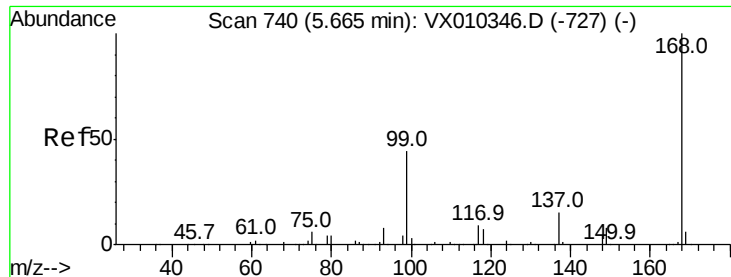
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 20 03:31:56 2019
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: VX010888.D

Acq: 15 Jul 2019 16:37

Instrument :

MSVOA_X

ClientSampleID :

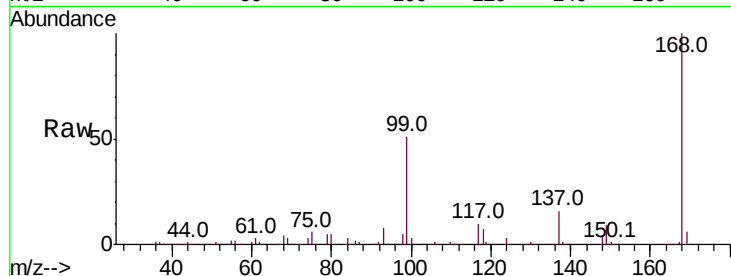
FL-0599DL

Tot Ion:168 Resp: 220564

Ion Ratio Lower Upper

168 100

99 51.0 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

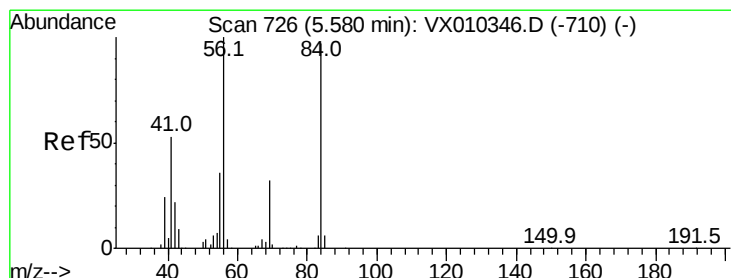
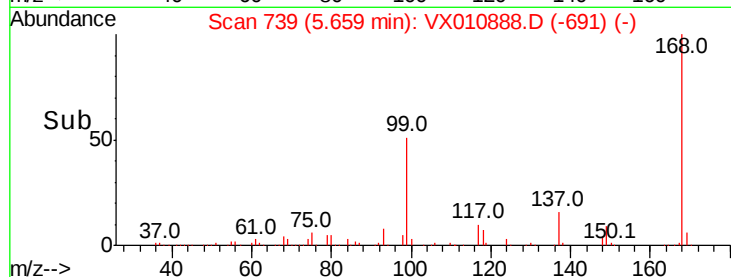
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 9.231 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010888.D

Acq: 15 Jul 2019 16:37

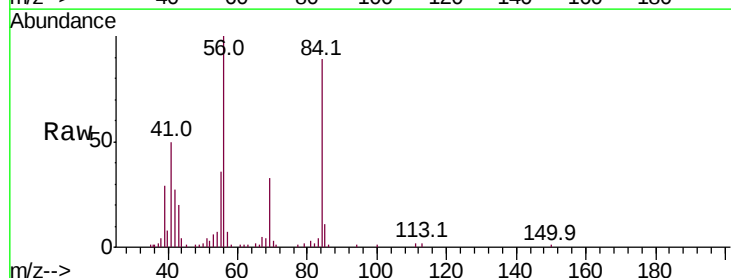
Tgt Ion: 56 Resp: 27574

Ion Ratio Lower Upper

56 100

69 31.7 25.9 38.9

84 88.9 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

5.59

10000

8000

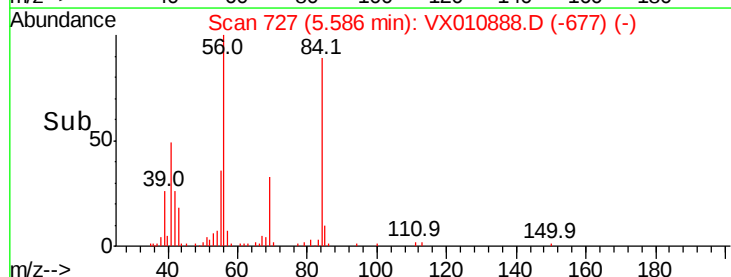
6000

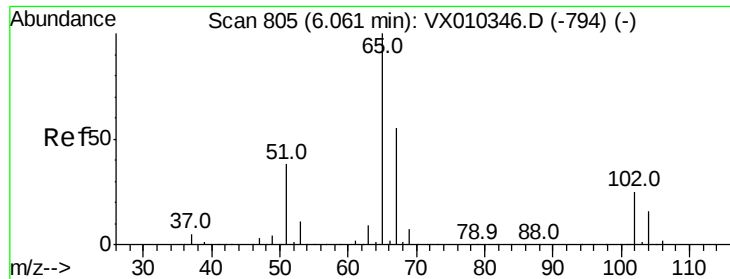
4000

2000

0

Time--> 5.50 5.60





#33

1,2-Dichloroethane-d4

Concen: 56.223 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010888.D

Acq: 15 Jul 2019 16:37

Instrument :

MSVOA_X

ClientSampleID :

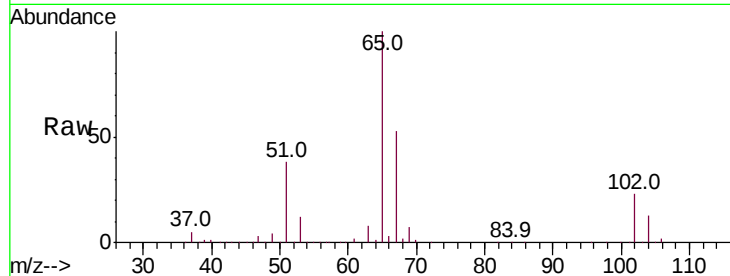
FL-0599DL

Tot Ion: 65 Resp: 116270

Ion Ratio Lower Upper

65 100

67 53.8 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

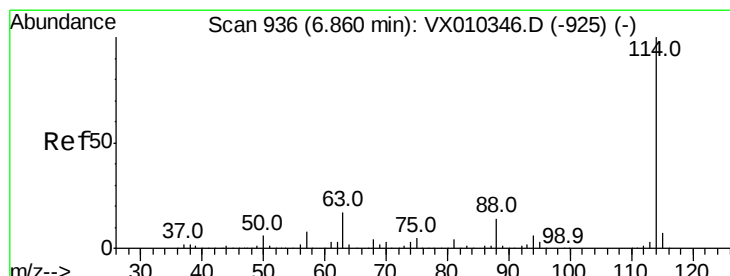
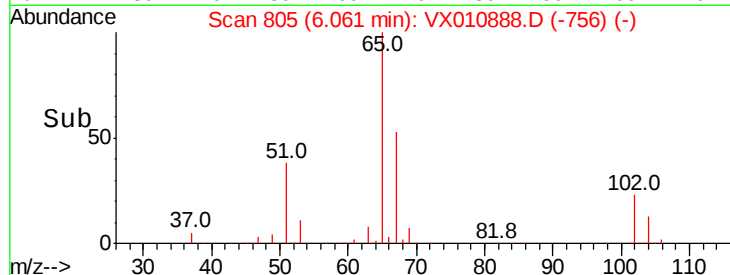
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010888.D

Acq: 15 Jul 2019 16:37

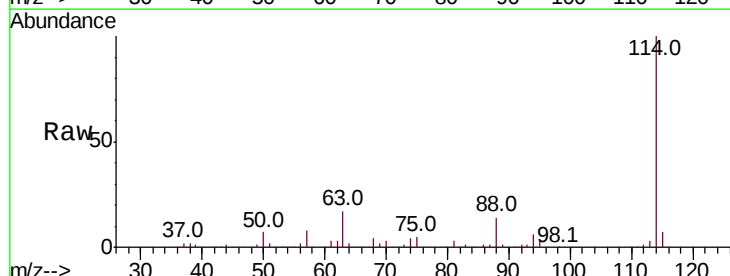
Tgt Ion:114 Resp: 347480

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.8

88 14.4 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

200000

150000

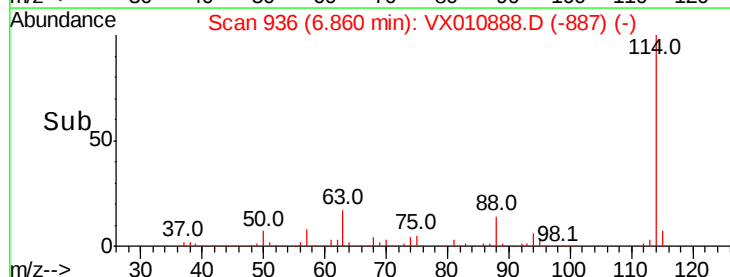
100000

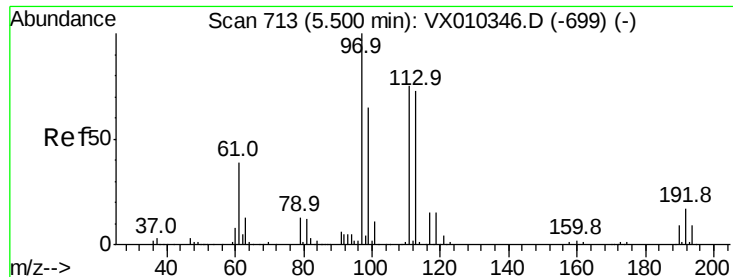
50000

0

Time-->

6.80 6.90





#35

Dibromofluoromethane

Concen: 50.602 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010888.D

Acq: 15 Jul 2019 16:37

Instrument :

MSVOA_X

ClientSampled :

FL-0599DL

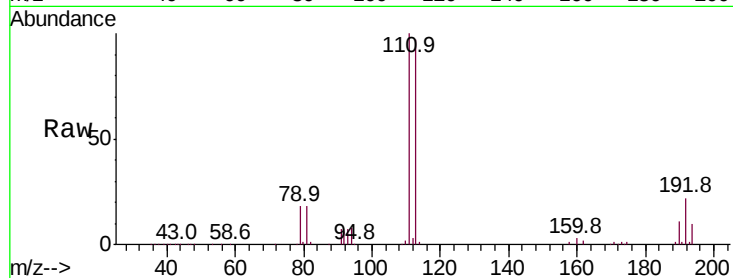
Tot Ion:113 Resp: 107580

Ion Ratio Lower Upper

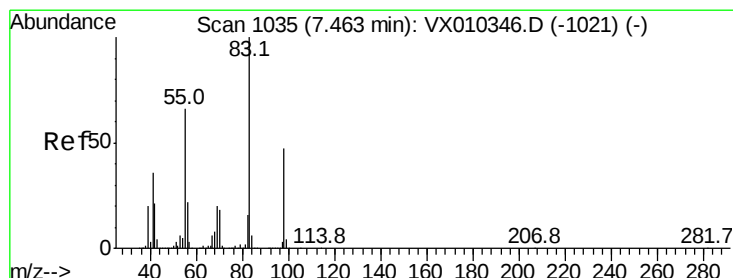
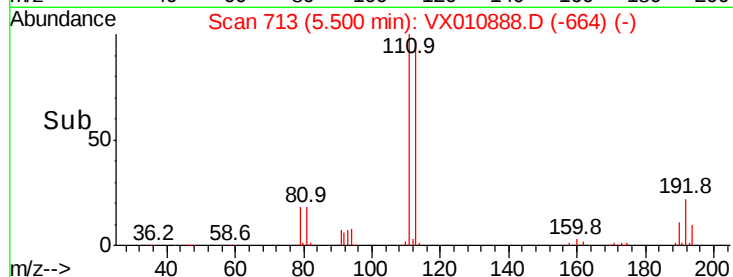
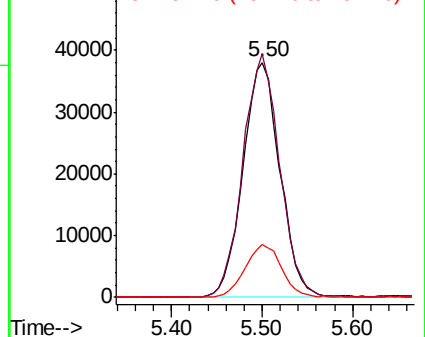
113 100

111 102.8 81.2 121.8

192 22.4 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: 16.078 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010888.D

Acq: 15 Jul 2019 16:37

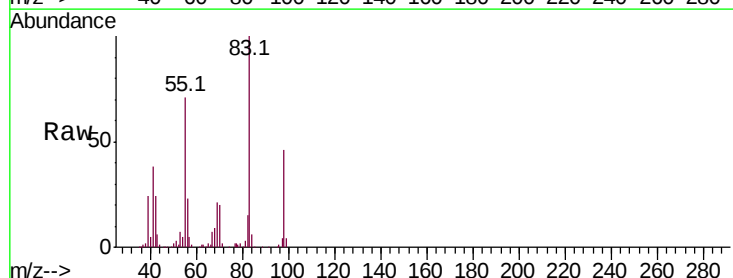
Tgt Ion: 83 Resp: 58357

Ion Ratio Lower Upper

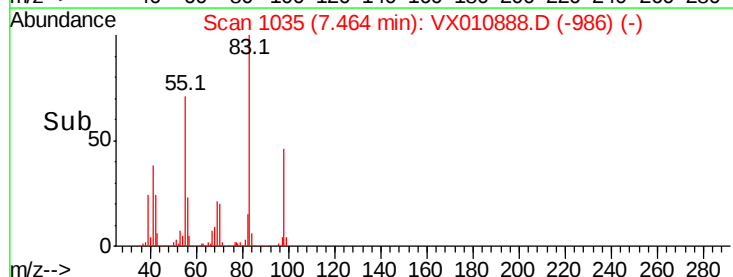
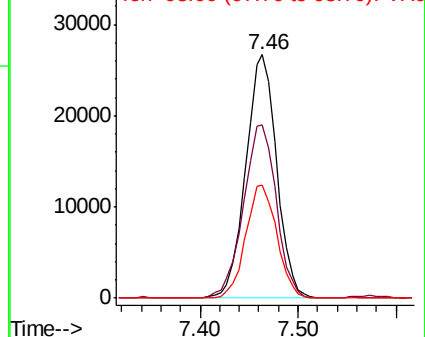
83 100

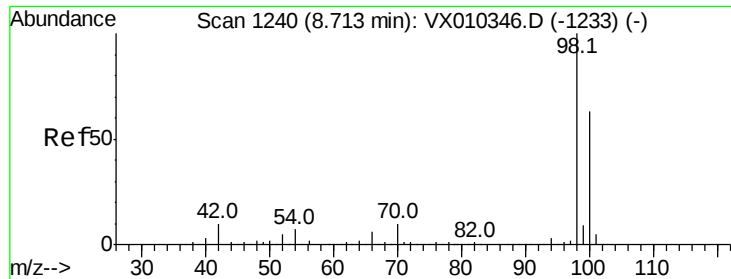
55 70.8 53.0 79.6

98 46.4 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

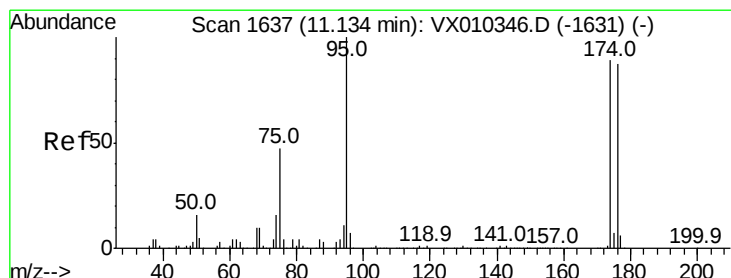
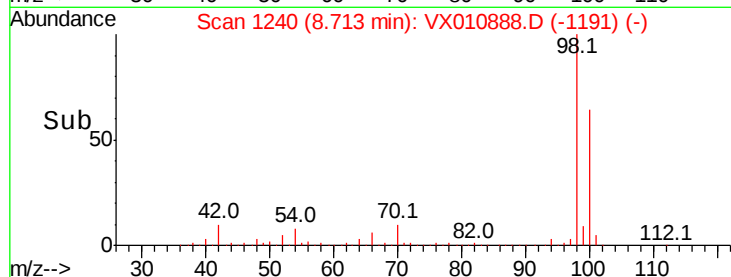
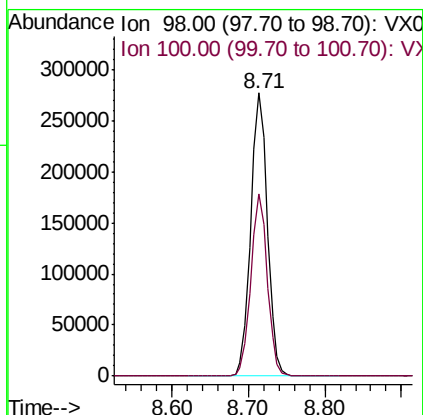
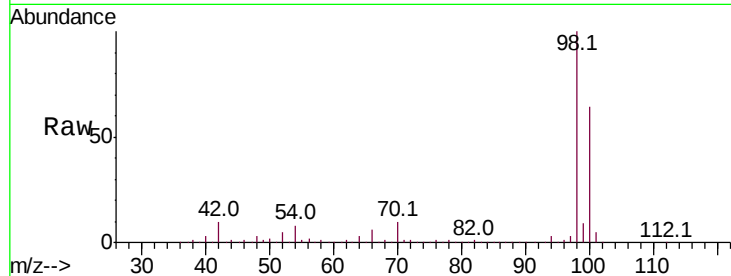




#50
Toluene-d8
Concen: 51.781 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010888.D
Acq: 15 Jul 2019 16:37

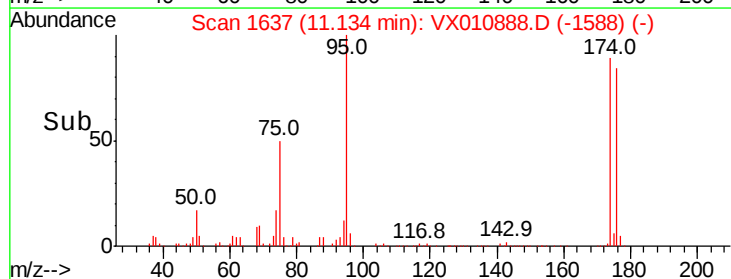
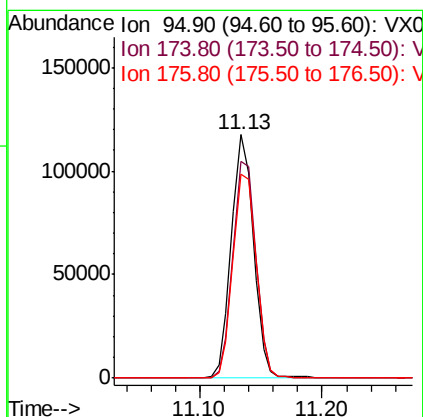
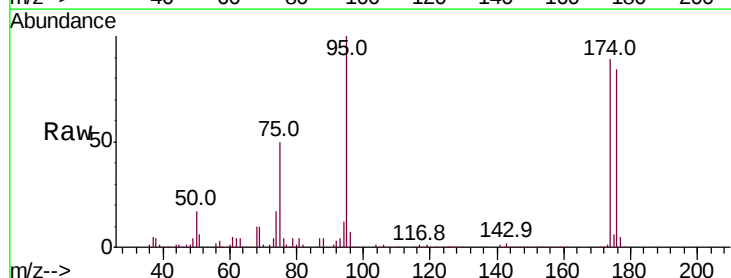
Instrument :
MSVOA_X
ClientSampleId :
FL-0599DL

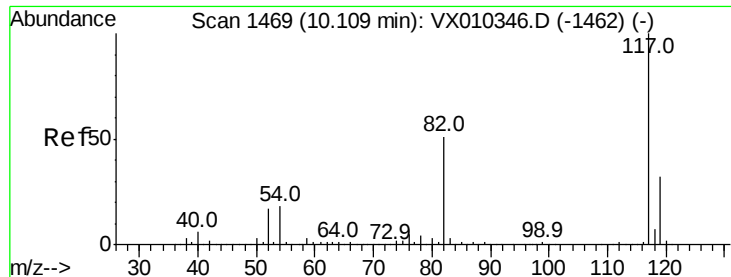
Tot Ion: 98 Resp: 421174
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 50.388 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010888.D
Acq: 15 Jul 2019 16:37

Tgt Ion: 95 Resp: 147965
Ion Ratio Lower Upper
95 100
174 92.3 0.0 187.6
176 88.0 0.0 184.0

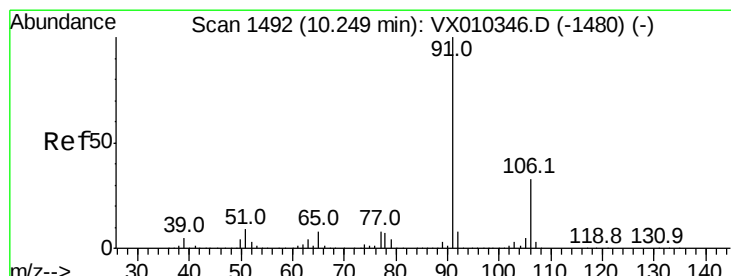
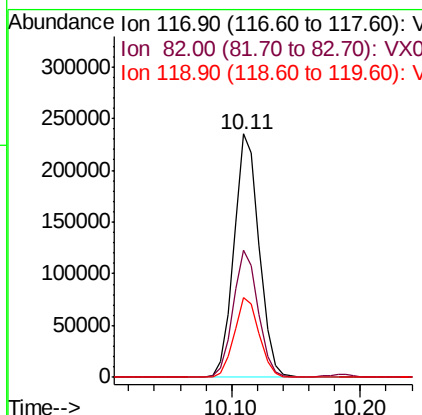
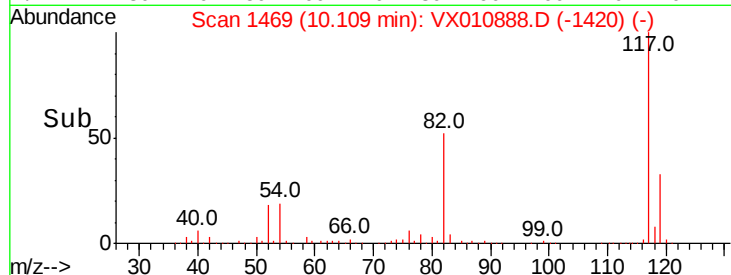
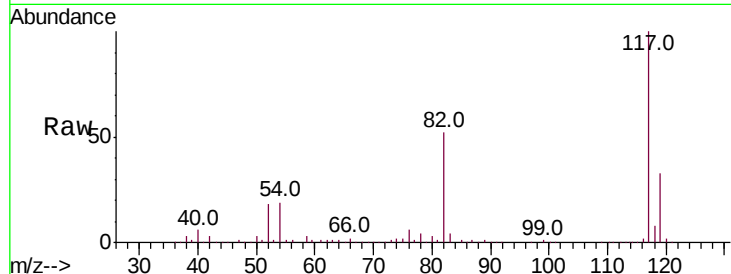




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010888.D
Acq: 15 Jul 2019 16:37

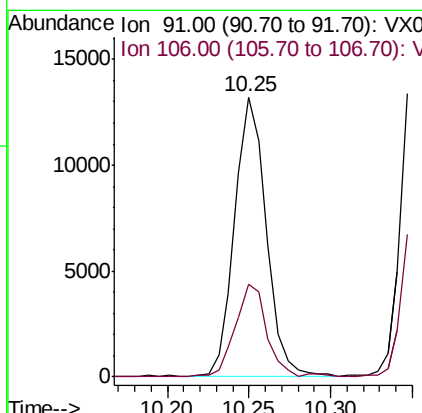
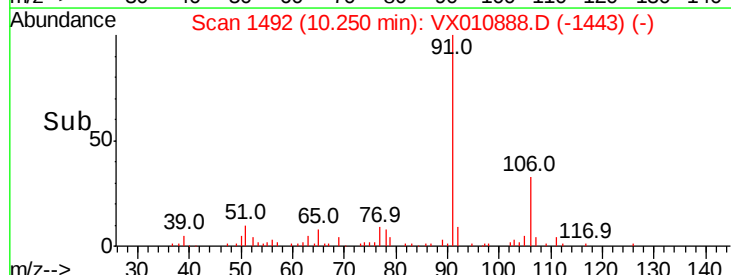
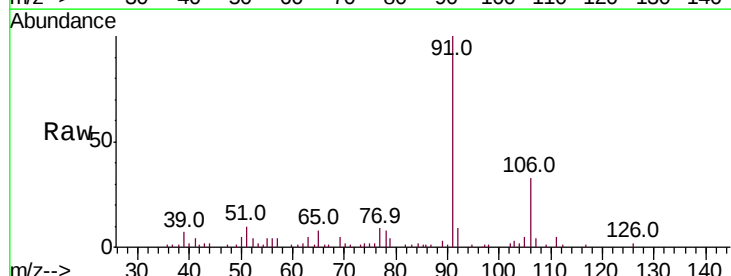
Instrument :
MSVOA_X
ClientSampleID :
FL-0599DL

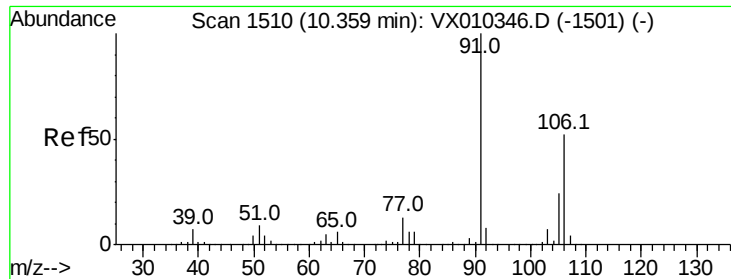
Tot Ion:117 Resp: 318469
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 32.8 25.5 38.3



#67
Ethyl Benzene
Concen: 1.643 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010888.D
Acq: 15 Jul 2019 16:37

Tgt Ion: 91 Resp: 17932
Ion Ratio Lower Upper
91 100
106 33.3 26.2 39.2

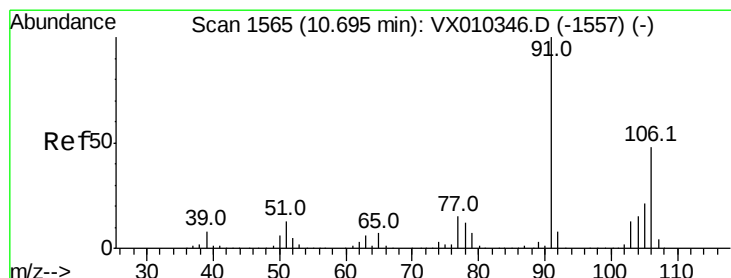
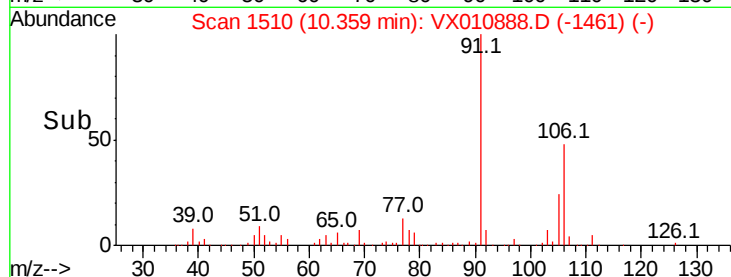
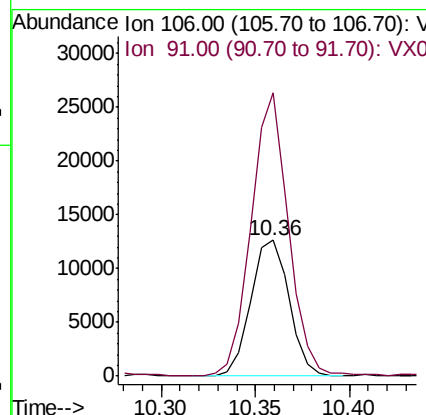
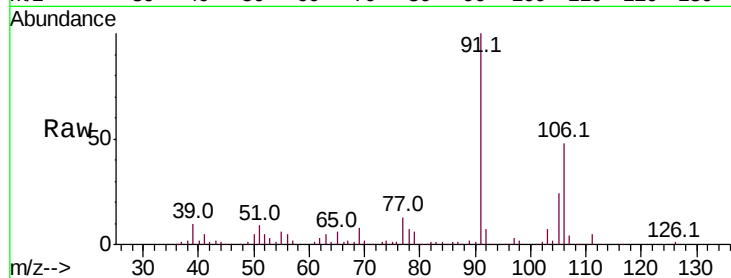




#68
m/p-Xylenes
Concen: 4.237 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010888.D
Acq: 15 Jul 2019 16:37

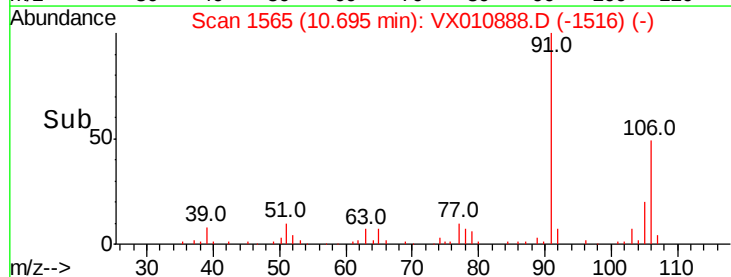
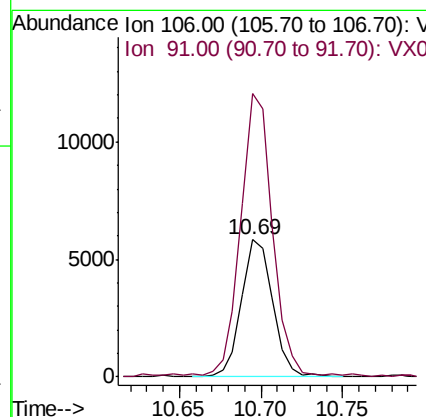
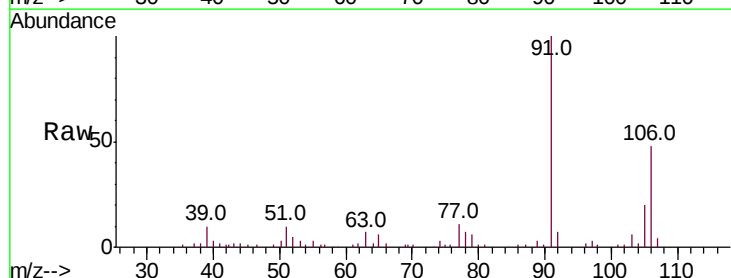
Instrument :
MSVOA_X
ClientSampled :
FL-0599DL

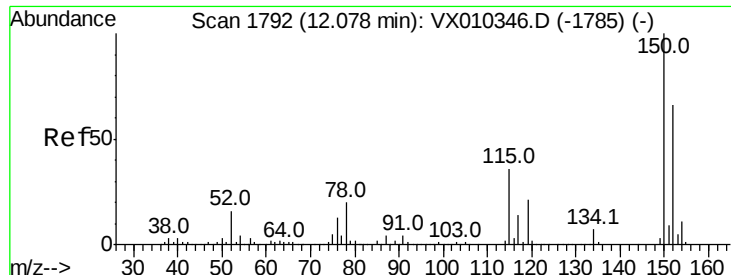
Tot Ion:106 Resp: 17920
Ion Ratio Lower Upper
106 100
91 199.5 155.3 232.9



#69
o-Xylene
Concen: 1.878 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010888.D
Acq: 15 Jul 2019 16:37

Tgt Ion:106 Resp: 7812
Ion Ratio Lower Upper
106 100
91 212.5 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010888.D

Acq: 15 Jul 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

FL-0599DL

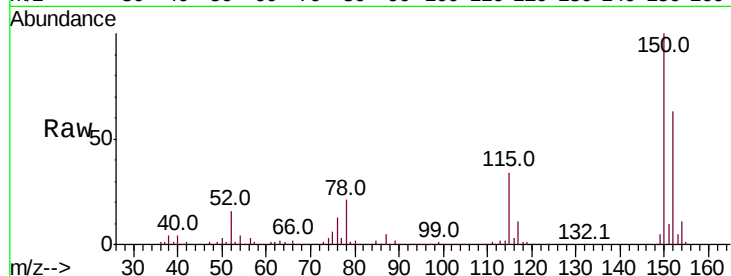
Tot Ion:152 Resp: 154421

Ion Ratio Lower Upper

152 100

115 56.3 38.6 115.7

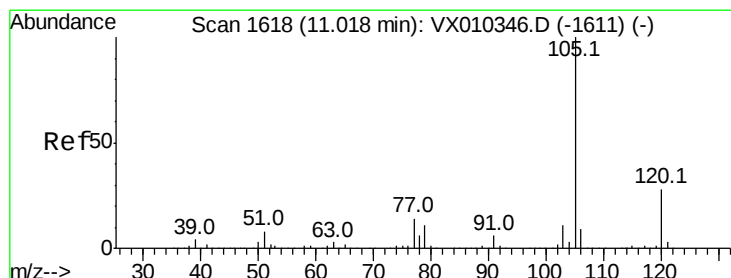
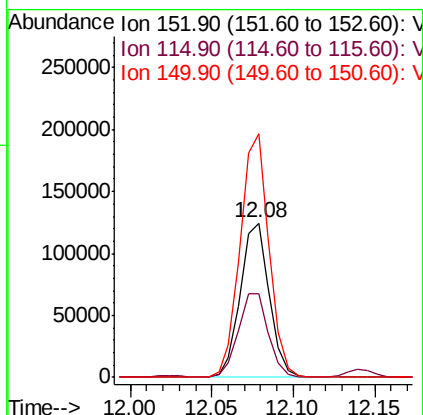
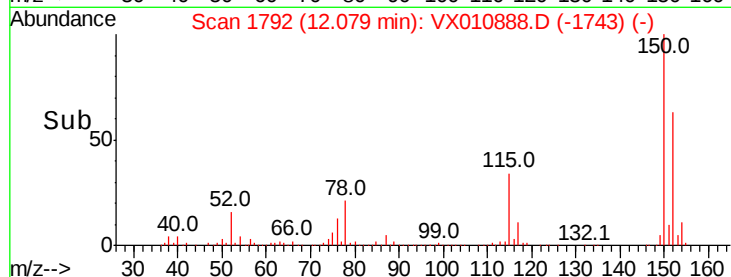
150 157.1 0.0 347.4



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: 4.109 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010888.D

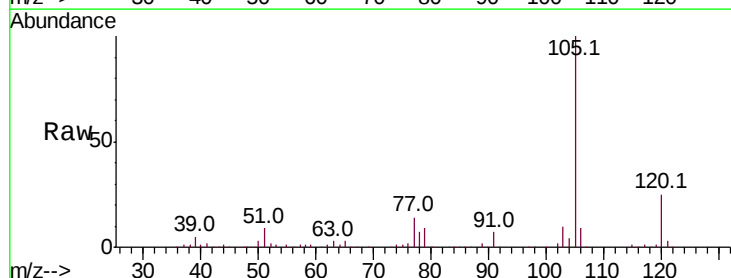
Acq: 15 Jul 2019 16:37

Tgt Ion:105 Resp: 43015

Ion Ratio Lower Upper

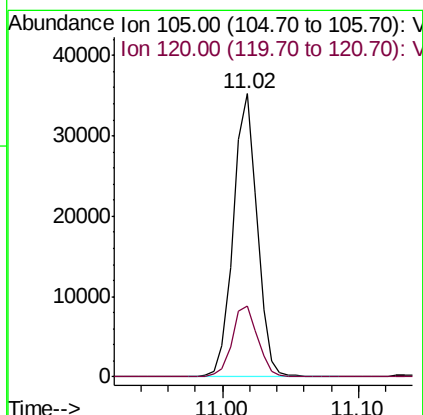
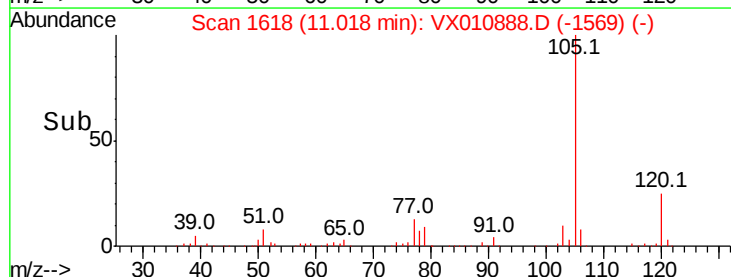
105 100

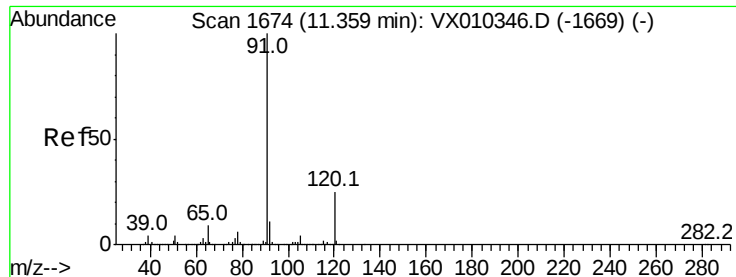
120 26.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 6.213 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010888.D

Acq: 15 Jul 2019 16:37

Instrument :

MSVOA_X

ClientSampleID :

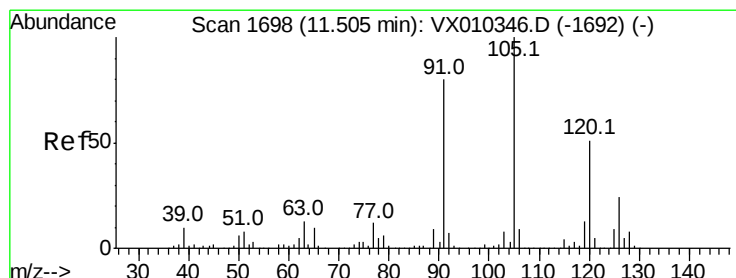
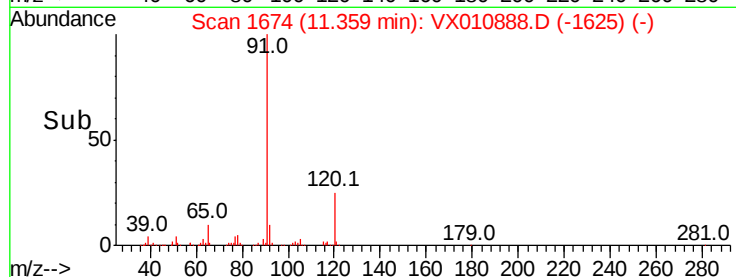
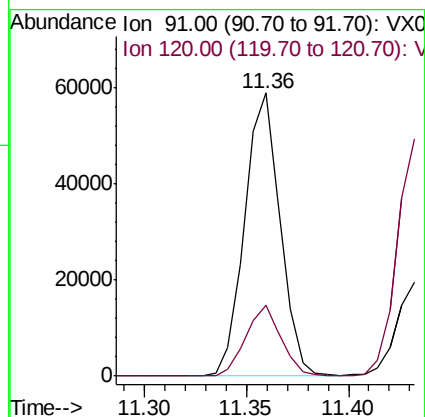
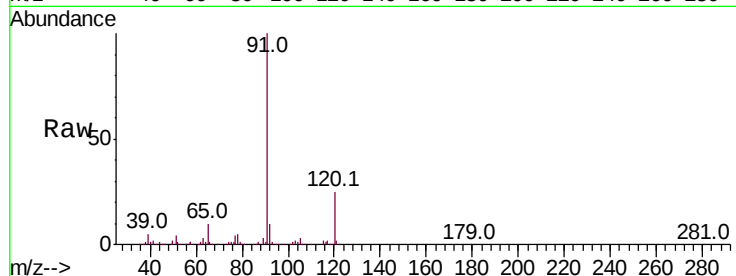
FL-0599DL

Tot Ion: 91 Resp: 71478

Ion Ratio Lower Upper

91 100

120 24.8 12.4 37.4



#80

1,3,5-Trimethylbenzene

Concen: 14.005 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010888.D

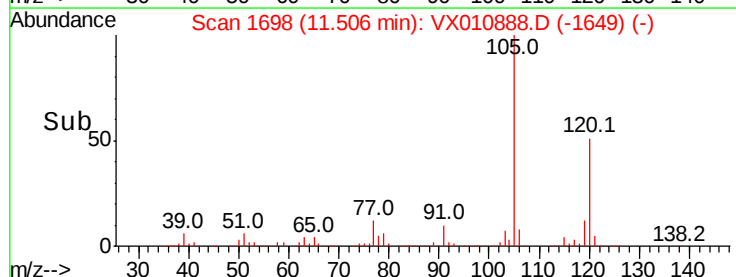
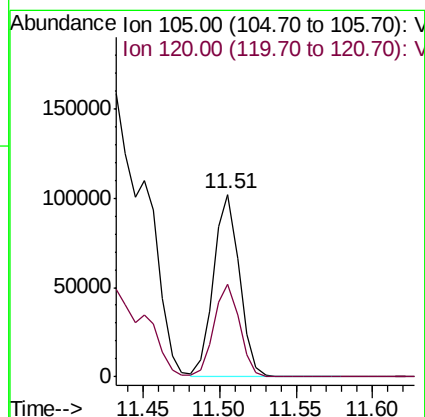
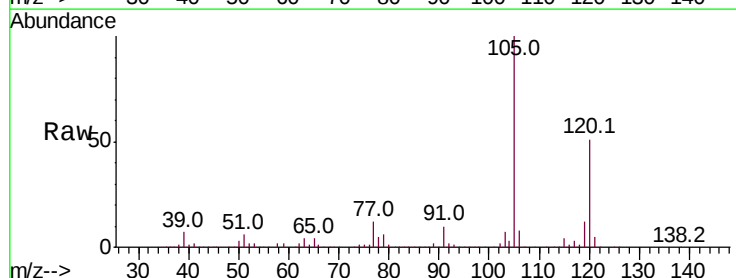
Acq: 15 Jul 2019 16:37

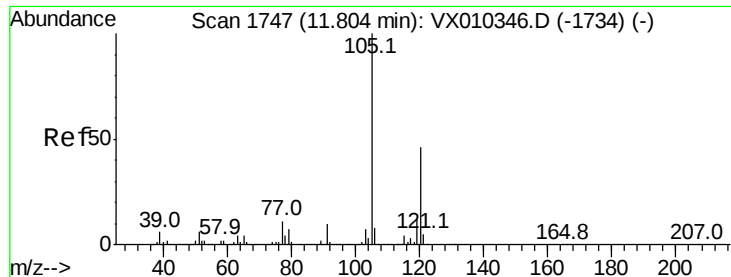
Tgt Ion:105 Resp: 120857

Ion Ratio Lower Upper

105 100

120 50.3 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 39.901 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010888.D

Acq: 15 Jul 2019 16:37

Instrument :

MSVOA_X

ClientSampleID :

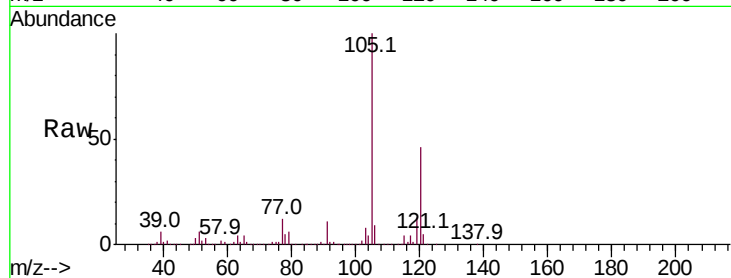
FL-0599DL

Tot Ion:105 Resp: 345941

Ion Ratio Lower Upper

105 100

120 46.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

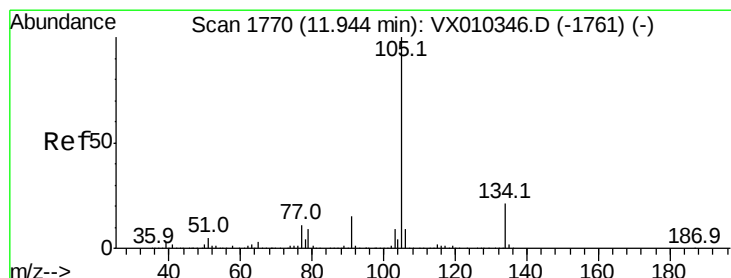
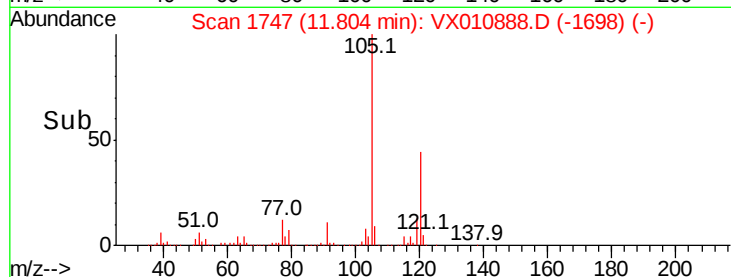
200000

100000

0

11.70 11.80 11.90

Time-->



#85

sec-Butylbenzene

Concen: 1.627 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010888.D

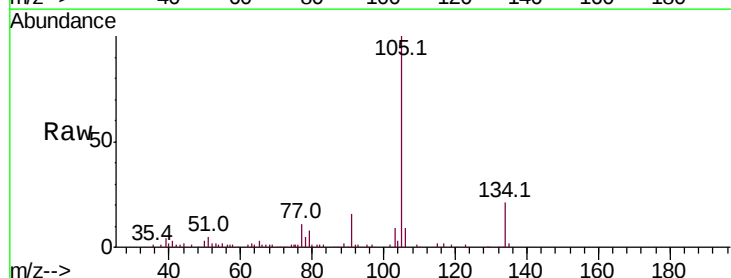
Acq: 15 Jul 2019 16:37

Tgt Ion:105 Resp: 16547

Ion Ratio Lower Upper

105 100

134 28.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

15000

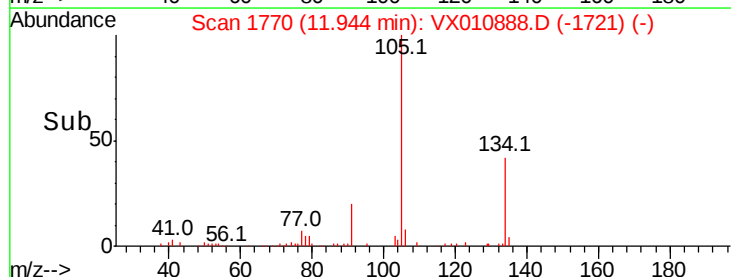
10000

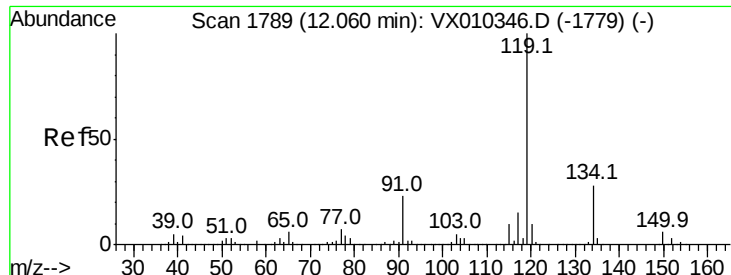
5000

0

11.90 11.95 12.00

Time-->

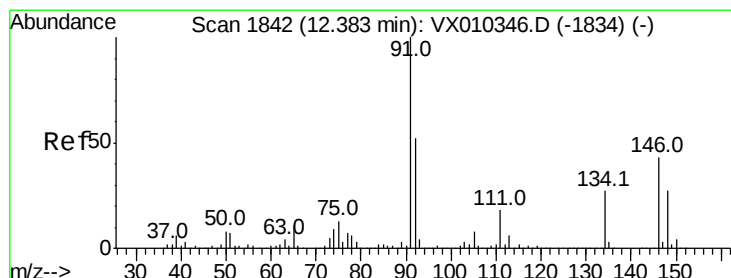
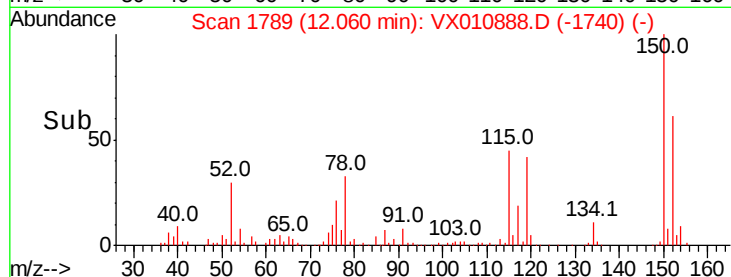
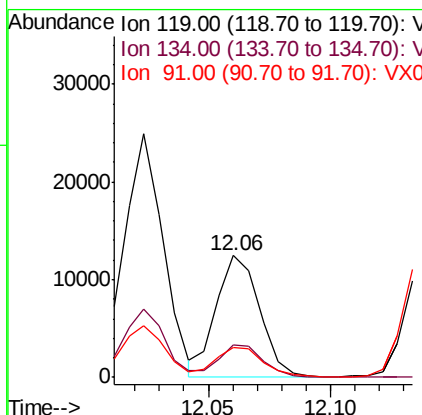
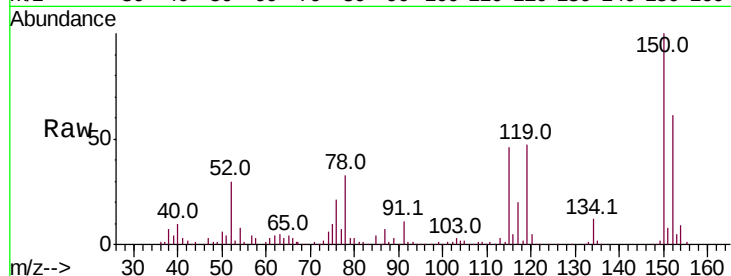




#86
p-Isopropyltoluene
Concen: 1.640 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010888.D
Acq: 15 Jul 2019 16:37

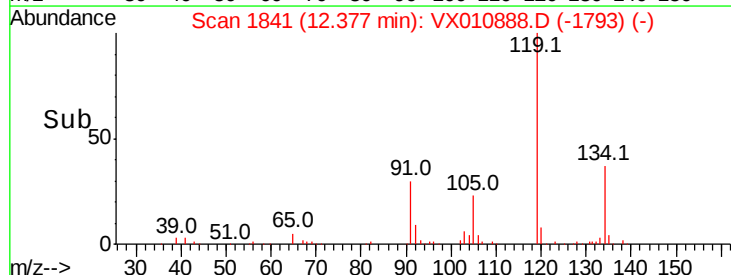
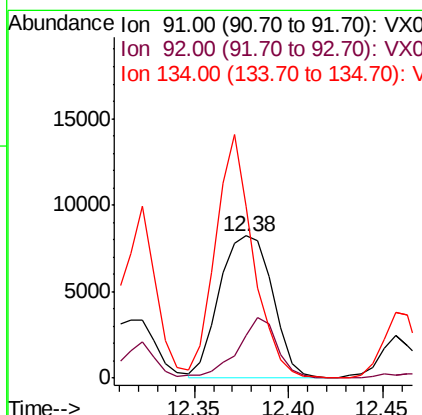
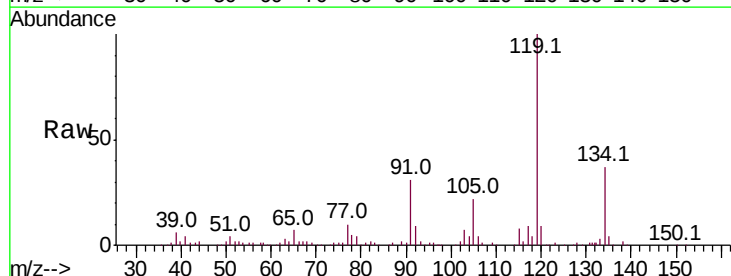
Instrument :
MSVOA_X
ClientSampleID :
FL-0599DL

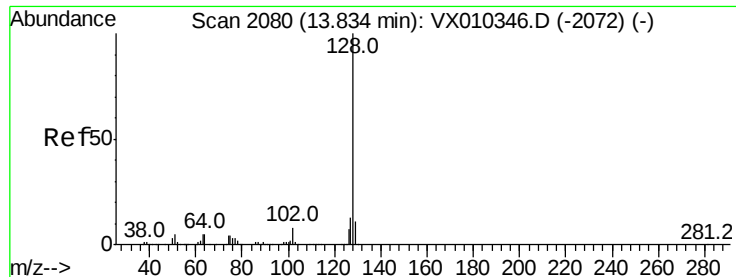
Tot Ion:119 Resp: 15429
Ion Ratio Lower Upper
119 100
134 27.7 13.7 41.1
91 27.3 11.3 33.8



#89
n-Butylbenzene
Concen: 1.981 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010888.D
Acq: 15 Jul 2019 16:37

Tgt Ion: 91 Resp: 15833
Ion Ratio Lower Upper
91 100
92 32.1 26.2 78.5
134 122.6 14.1 42.4#





#95

Naphthalene

Concen: 1.701 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX010888.D

Acq: 15 Jul 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

FL-0599DL

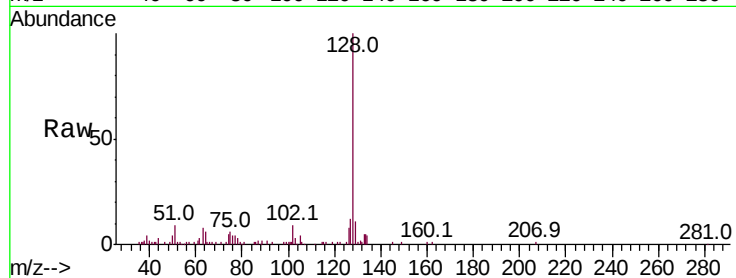
Tot Ion:128 Resp: 18378

Ion Ratio Lower Upper

128 100

127 14.7 10.2 15.4

129 15.2 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

