

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010893.D
 Acq On : 15 Jul 2019 18:34
 Operator : JC/SP
 Sample : K3791-08DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL- 0594DL

Quant Time: Jul 16 03:53:14 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	235698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	339737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	120649	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	5.50	113	111979	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	8.71	98	440291	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.13	95	157724	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

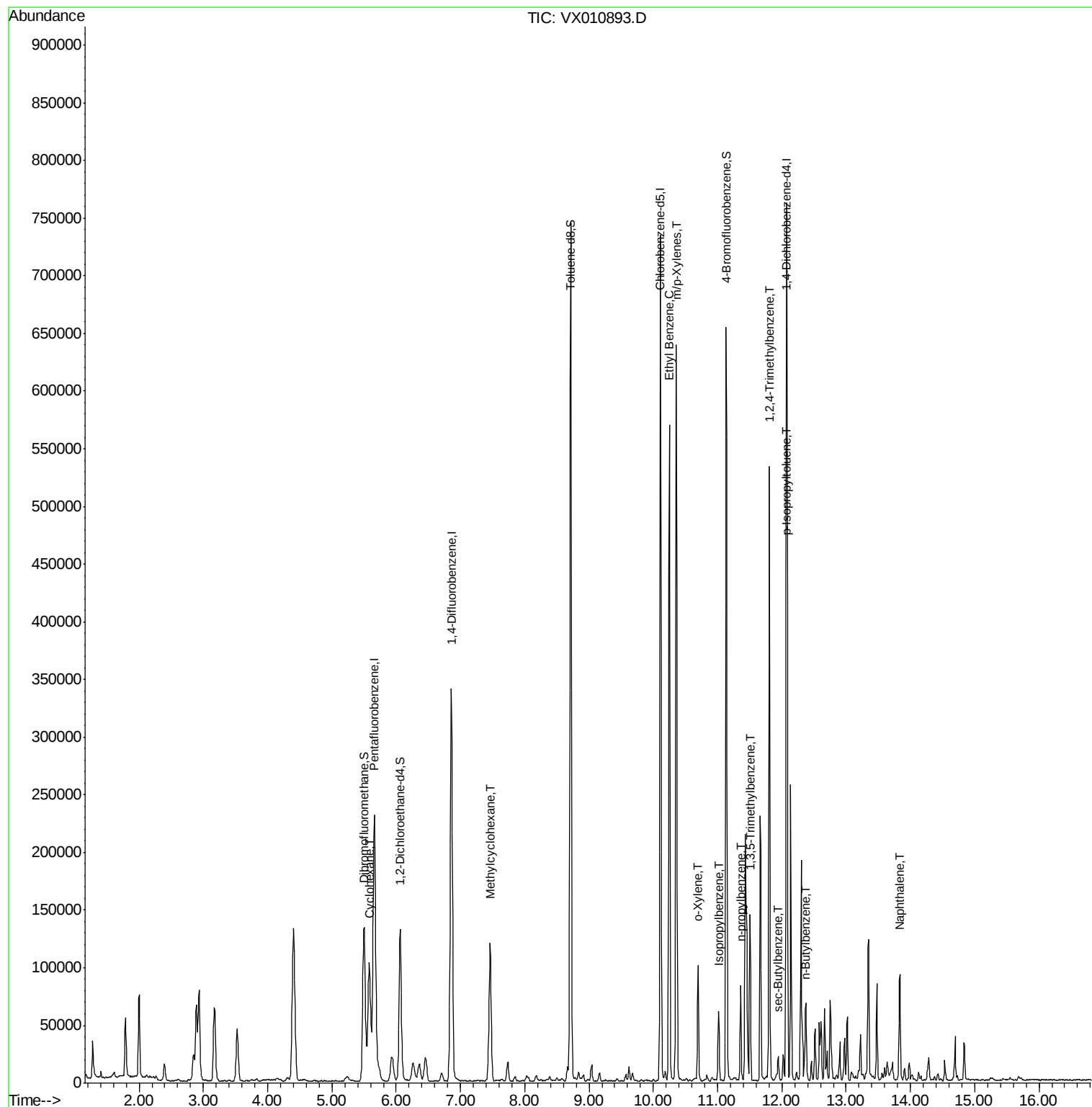
						Qvalue
31) Cyclohexane	5.58	56	69093	21.645	ug/l	94
39) Methylcyclohexane	7.46	83	56499	14.774	ug/l	91
67) Ethyl Benzene	10.25	91	321803	27.636	ug/l	100
68) m/p-Xylenes	10.36	106	155403	34.443	ug/l	96
69) o-Xylene	10.69	106	22911	5.164	ug/l	97
73) Isopropylbenzene	11.02	105	31277	2.768	ug/l	98
78) n-propylbenzene	11.36	91	49562	3.992	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	62150	6.673	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	226789	24.237	ug/l	99
85) sec-Butylbenzene	11.94	105	9656	0.880	ug/l	81
86) p-Isopropyltoluene	12.06	119	7938	0.782	ug/l	94
89) n-Butylbenzene	12.38	91	10724	1.243	ug/l #	35
95) Naphthalene	13.83	128	59246	5.080	ug/l	99

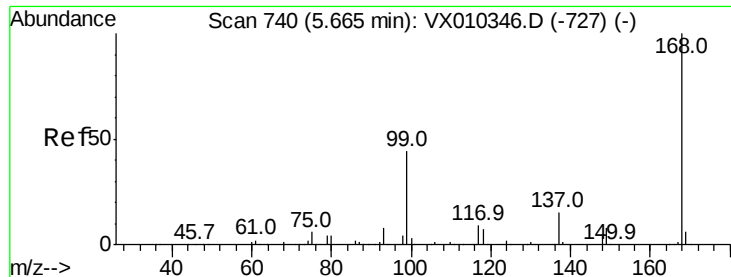
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX010893.D

Acq: 15 Jul 2019 18:34

Instrument :

MSVOA_X

ClientSampleID :

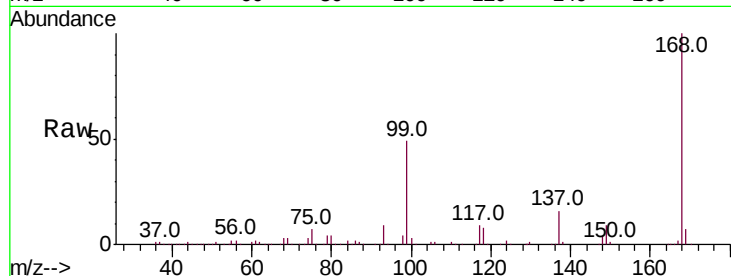
FL- 0594DL

Tot Ion:168 Resp: 235698

Ion Ratio Lower Upper

168 100

99 48.7 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

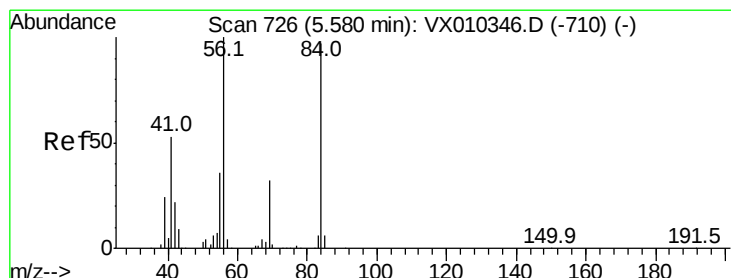
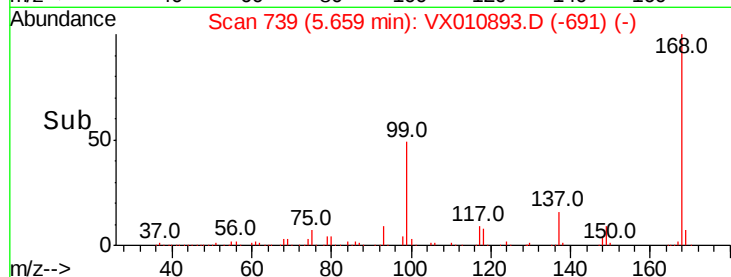
40000

20000

0

Time-->

5.60 5.70 5.80



#31

Cyclohexane

Concen: 21.645 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010893.D

Acq: 15 Jul 2019 18:34

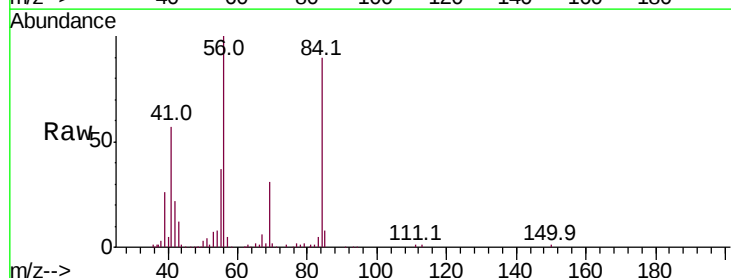
Tgt Ion: 56 Resp: 69093

Ion Ratio Lower Upper

56 100

69 31.0 25.9 38.9

84 90.1 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

5.58

30000

25000

20000

15000

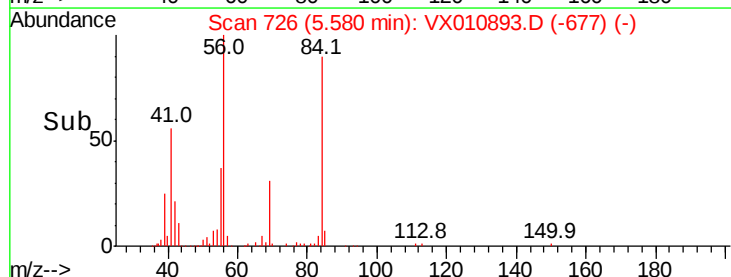
10000

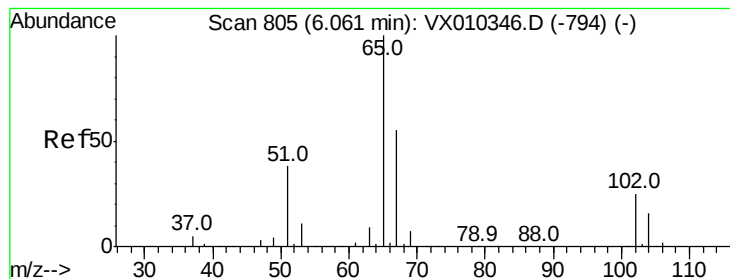
5000

0

Time-->

5.50 5.60





#33

1,2-Dichloroethane-d4

Concen: 54.595 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010893.D

Acq: 15 Jul 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

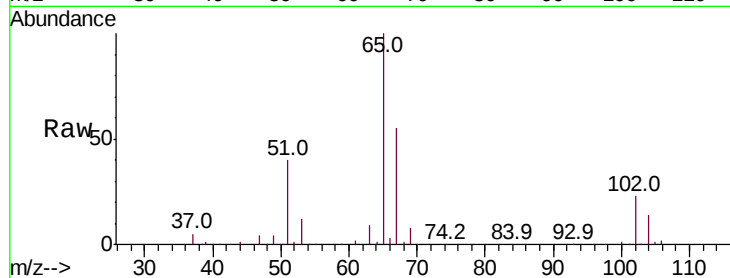
FL- 0594DL

Tot Ion: 65 Resp: 120649

Ion Ratio Lower Upper

65 100

67 53.7 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

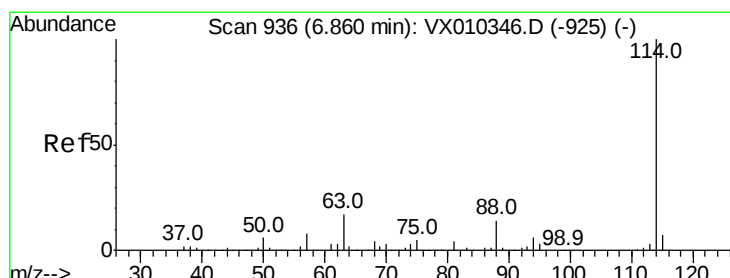
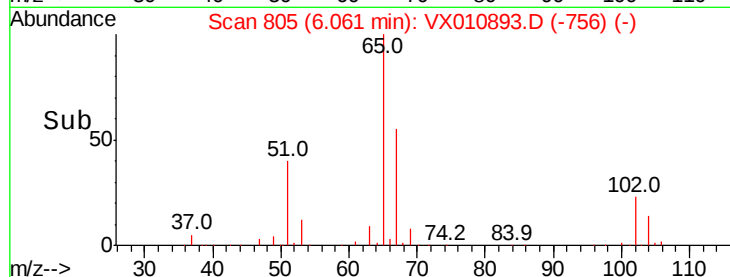
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010893.D

Acq: 15 Jul 2019 18:34

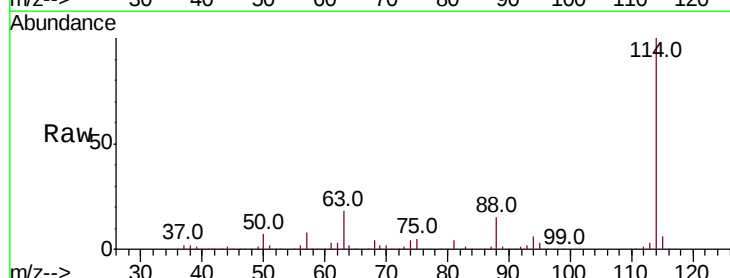
Tgt Ion: 114 Resp: 366105

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

88 14.9 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

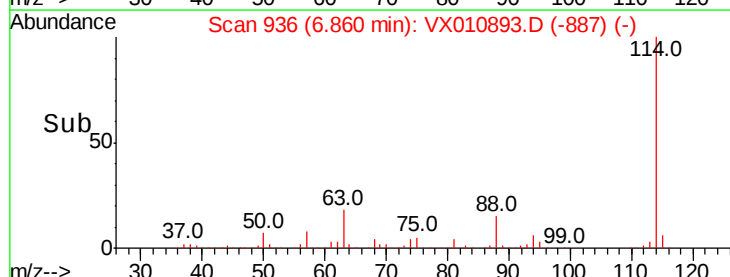
150000

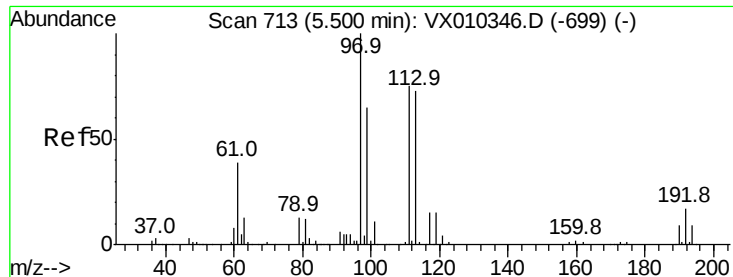
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.991 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010893.D

Acq: 15 Jul 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

FL- 0594DL

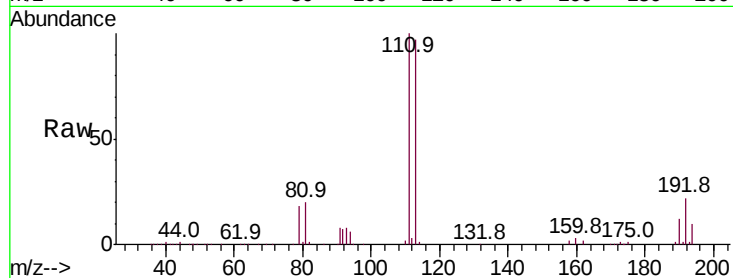
Tot Ion:113 Resp: 111979

Ion Ratio Lower Upper

113 100

111 103.3 81.2 121.8

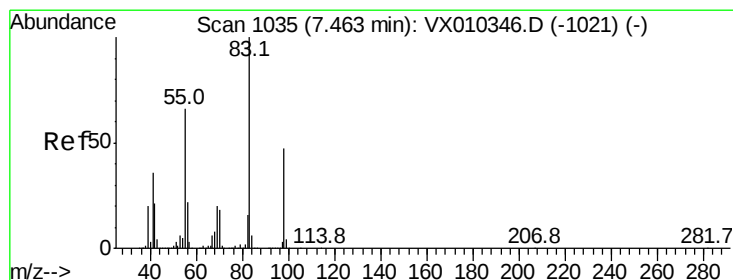
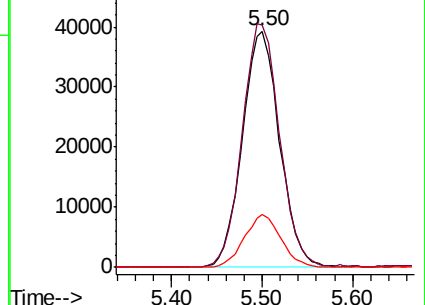
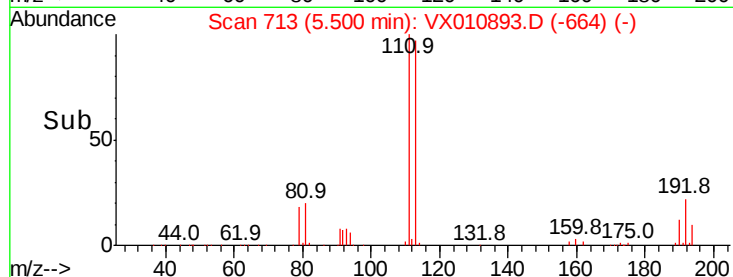
192 22.1 18.6 27.8



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: 14.774 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010893.D

Acq: 15 Jul 2019 18:34

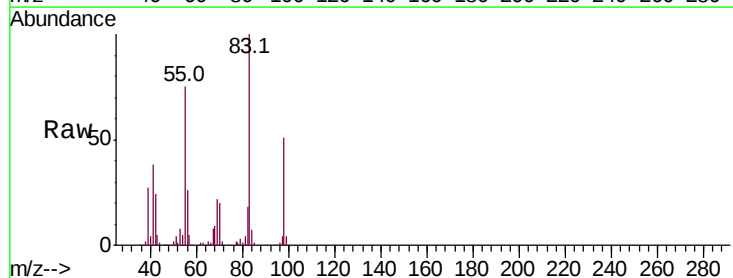
Tgt Ion: 83 Resp: 56499

Ion Ratio Lower Upper

83 100

55 75.3 53.0 79.6

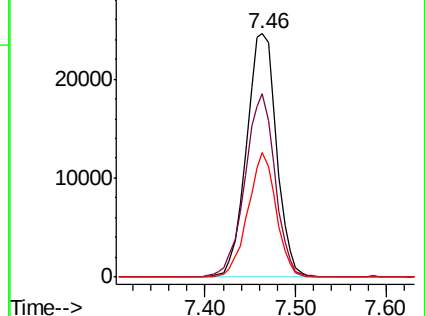
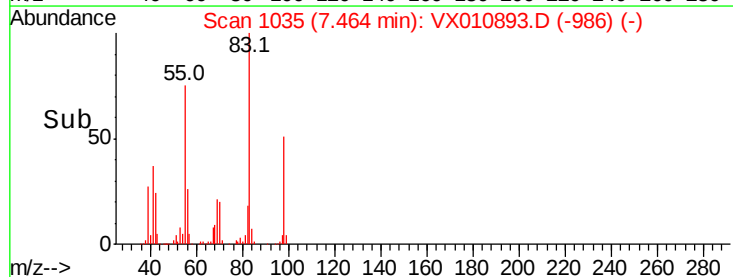
98 51.3 37.8 56.8

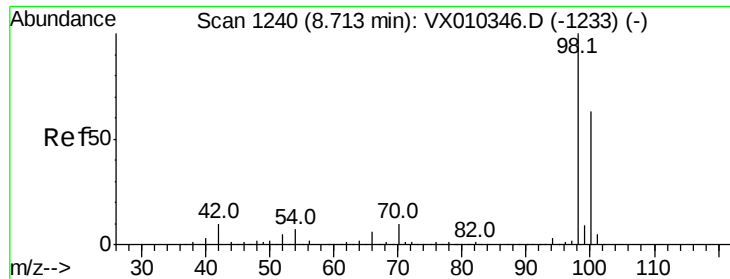


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

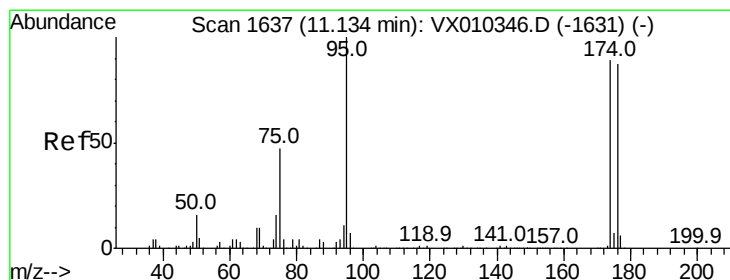
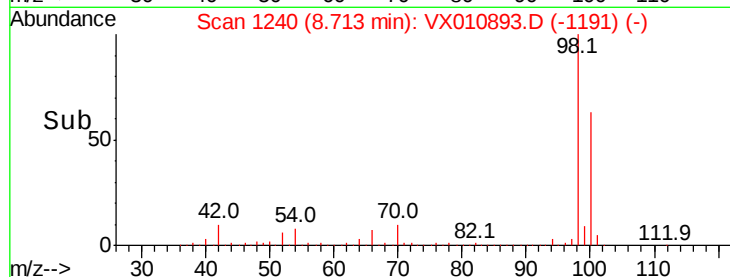
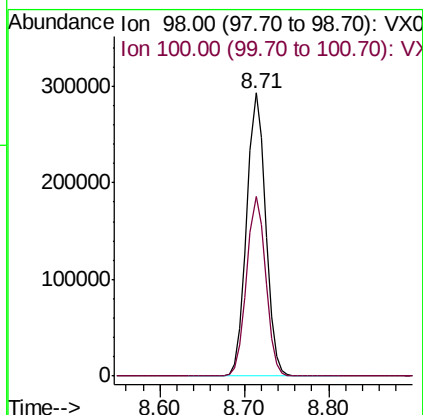
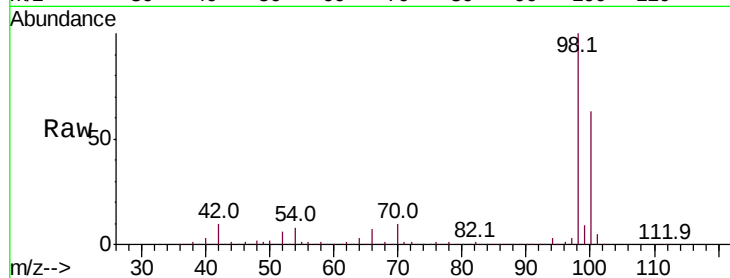




#50
Toluene-d8
Concen: 51.378 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010893.D
Acq: 15 Jul 2019 18:34

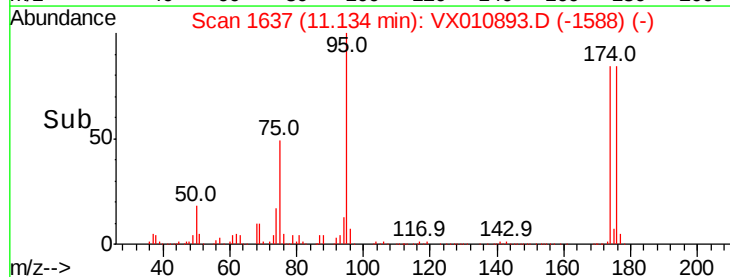
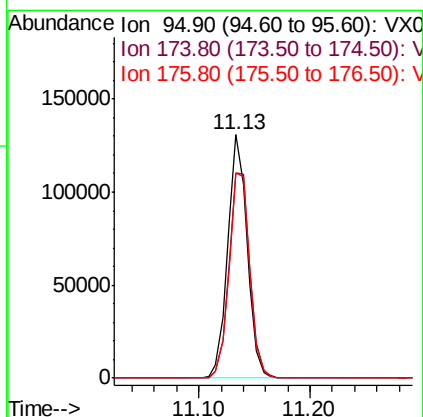
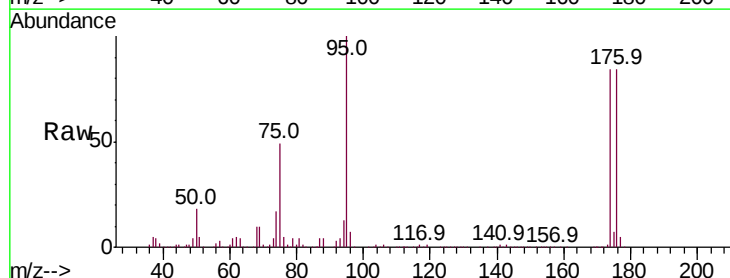
Instrument :
MSVOA_X
ClientSampleId :
FL- 0594DL

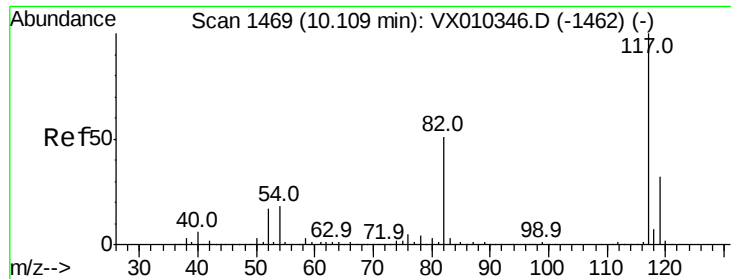
Tot Ion: 98 Resp: 440291
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 50.979 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010893.D
Acq: 15 Jul 2019 18:34

Tgt Ion: 95 Resp: 157724
Ion Ratio Lower Upper
95 100
174 90.9 0.0 187.6
176 89.1 0.0 184.0

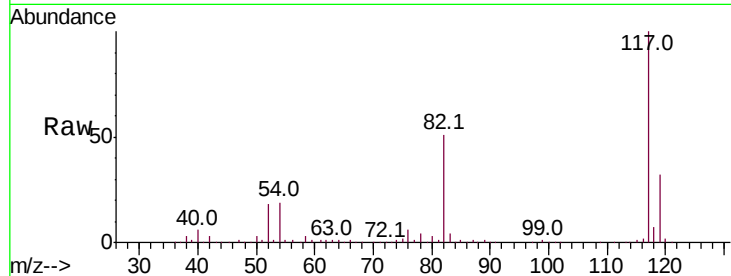




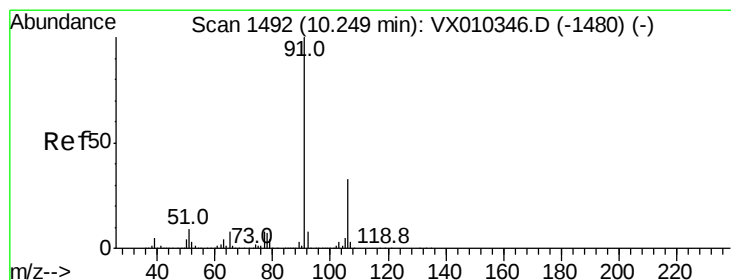
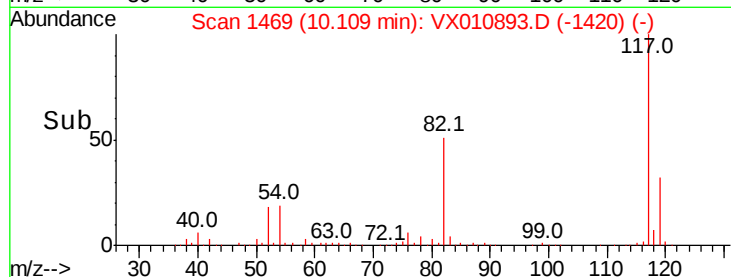
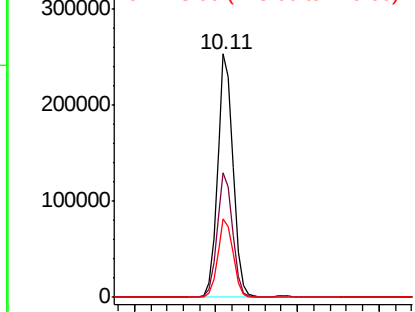
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010893.D
Acq: 15 Jul 2019 18:34

Instrument :
MSVOA_X
ClientSampleId :
FL- 0594DL

Tot Ion:117 Resp: 339737
Ion Ratio Lower Upper
117 100
82 51.4 41.2 61.8
119 32.4 25.5 38.3

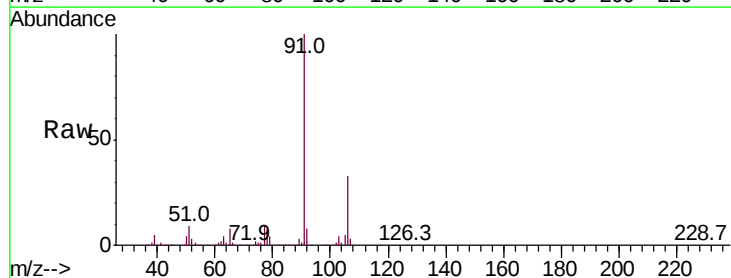


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

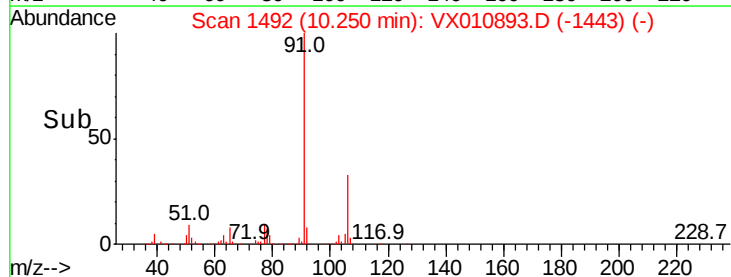
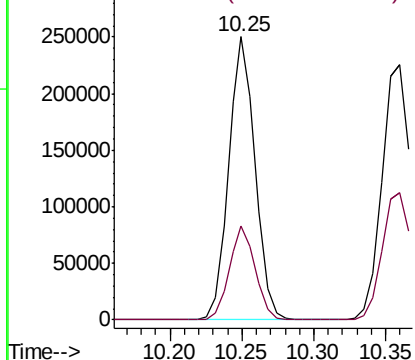


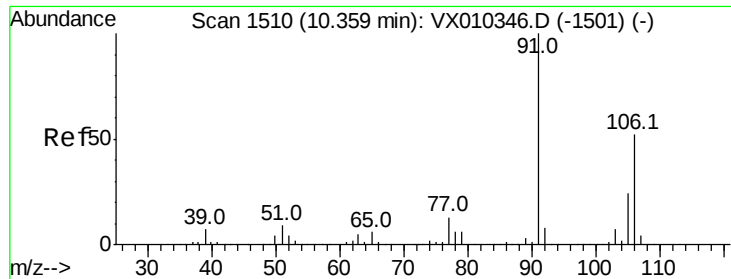
#67
Ethyl Benzene
Concen: 27.636 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010893.D
Acq: 15 Jul 2019 18:34

Tgt Ion: 91 Resp: 321803
Ion Ratio Lower Upper
91 100
106 33.0 26.2 39.2



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

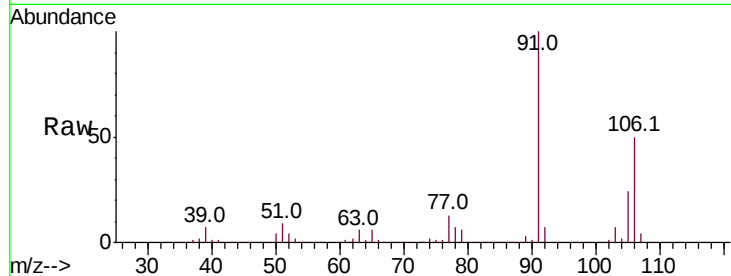




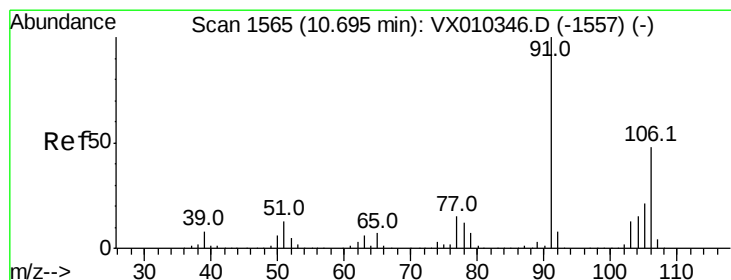
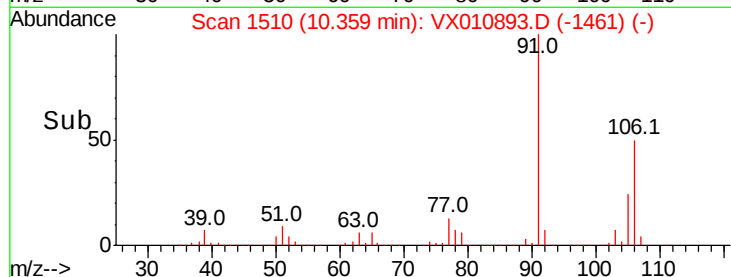
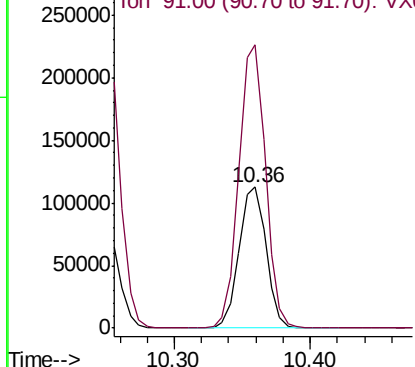
#68
m/p-Xylenes
Concen: 34.443 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010893.D
Acq: 15 Jul 2019 18:34

Instrument :
MSVOA_X
ClientSampled :
FL- 0594DL

Tot Ion:106 Resp: 155403
Ion Ratio Lower Upper
106 100
91 199.6 155.3 232.9

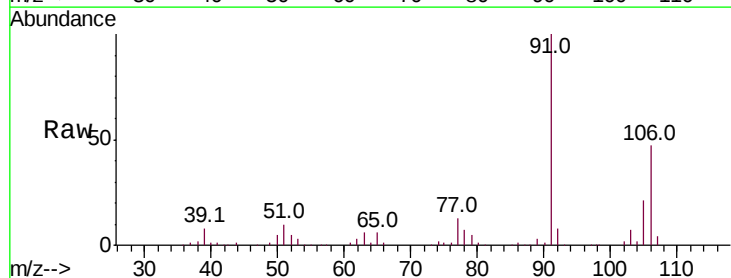


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

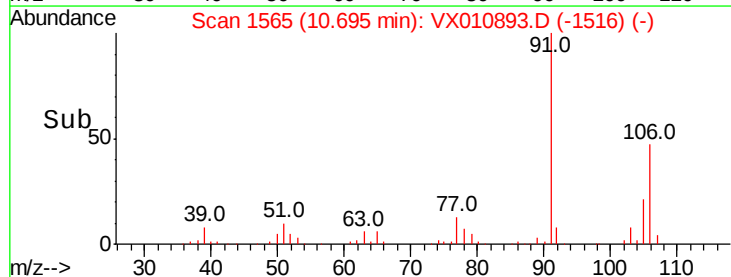
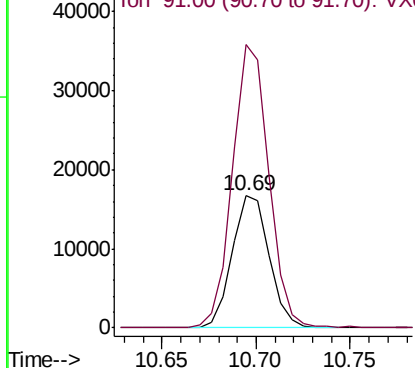


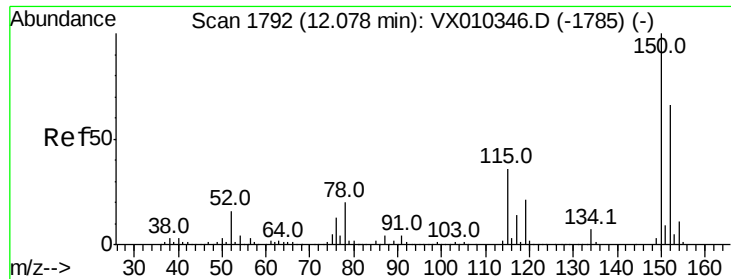
#69
o-Xylene
Concen: 5.164 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010893.D
Acq: 15 Jul 2019 18:34

Tgt Ion:106 Resp: 22911
Ion Ratio Lower Upper
106 100
91 210.1 102.7 308.1



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: VX010893.D

Acq: 15 Jul 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

FL- 0594DL

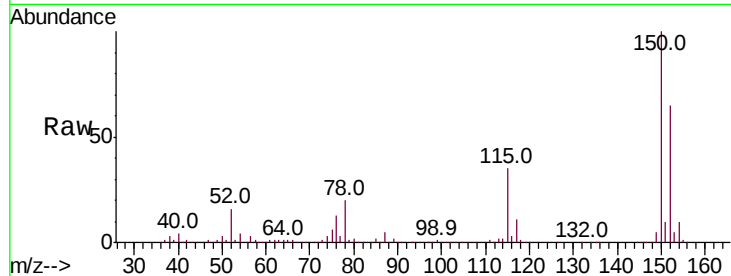
Tot Ion:152 Resp: 166664

Ion Ratio Lower Upper

152 100

115 55.8 38.6 115.7

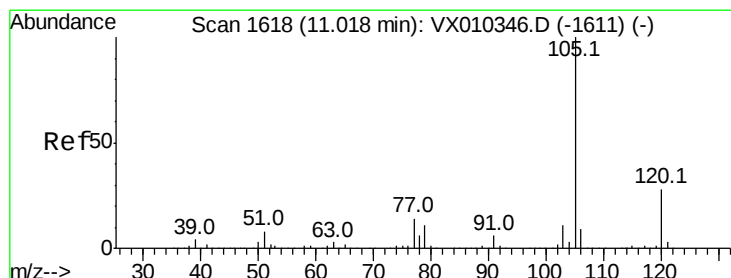
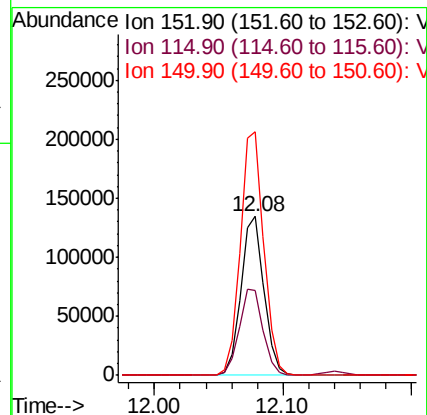
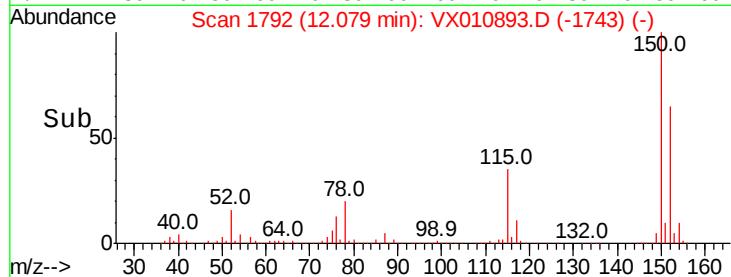
150 156.8 0.0 347.4



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: 2.768 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010893.D

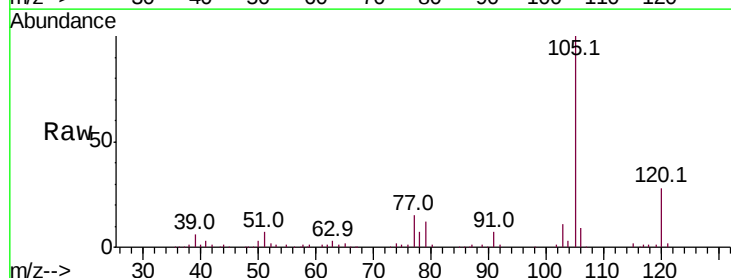
Acq: 15 Jul 2019 18:34

Tgt Ion:105 Resp: 31277

Ion Ratio Lower Upper

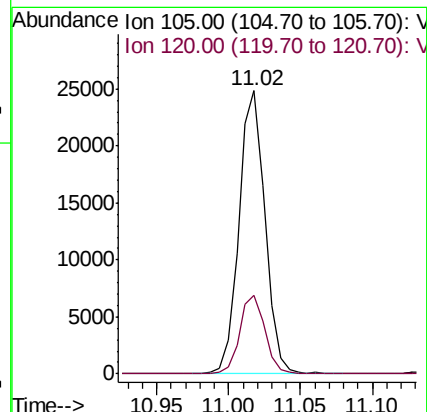
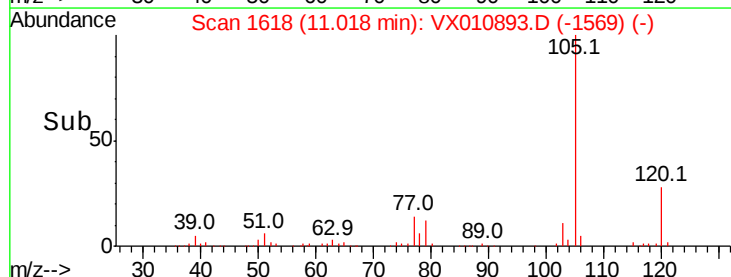
105 100

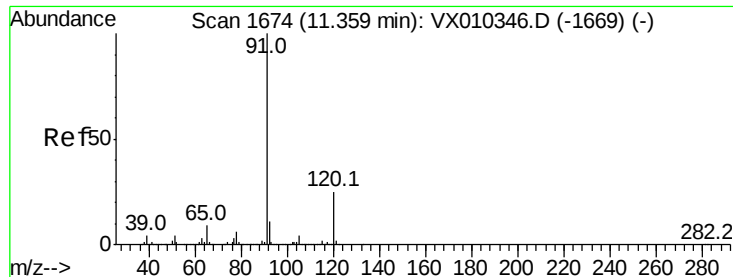
120 27.1 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.992 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010893.D

Acq: 15 Jul 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

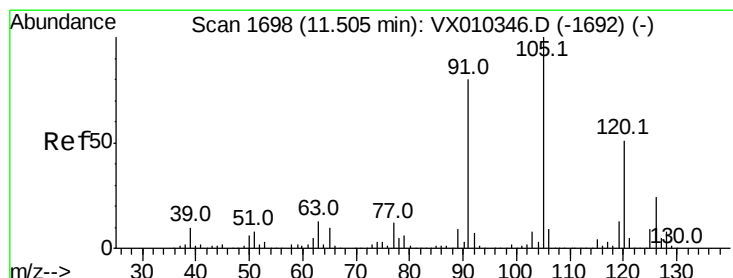
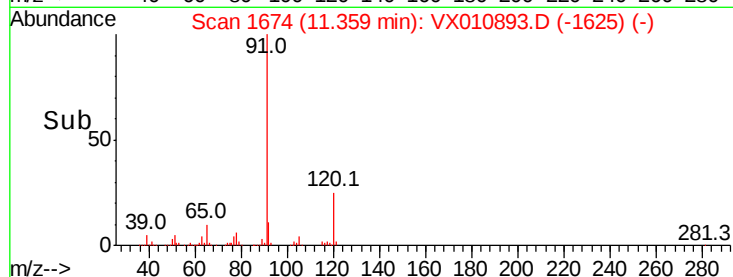
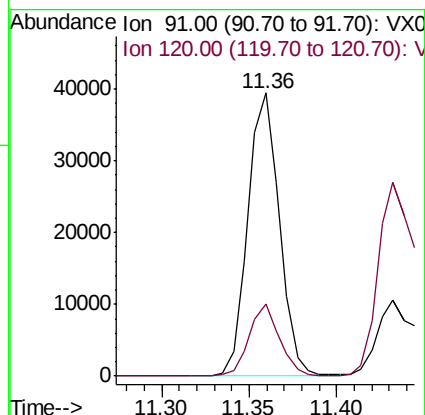
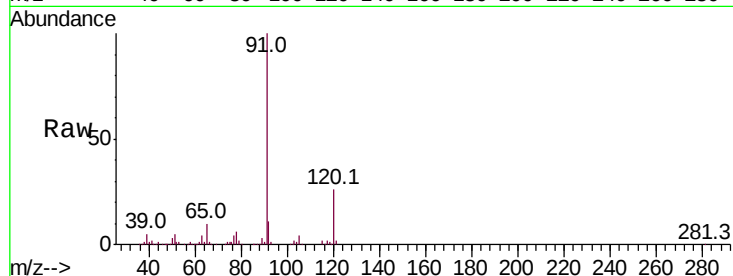
FL- 0594DL

Tot Ion: 91 Resp: 49562

Ion Ratio Lower Upper

91 100

120 24.4 12.4 37.4



#80

1,3,5-Trimethylbenzene

Concen: 6.673 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010893.D

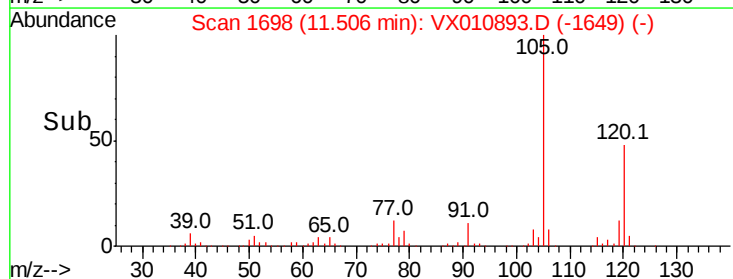
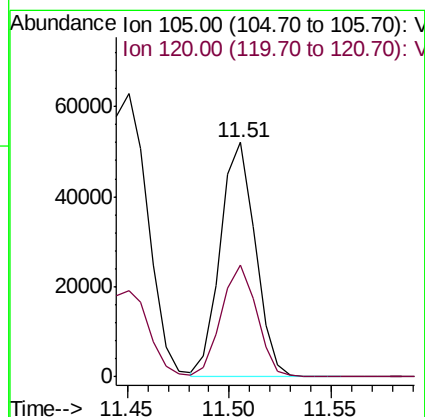
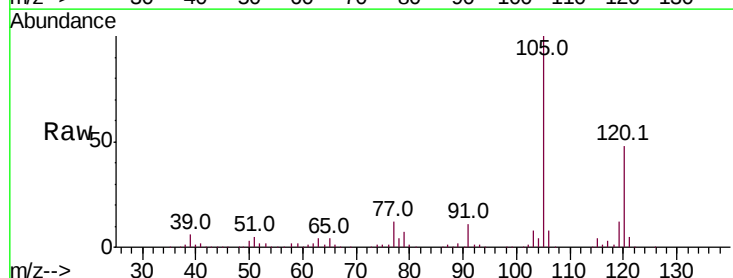
Acq: 15 Jul 2019 18:34

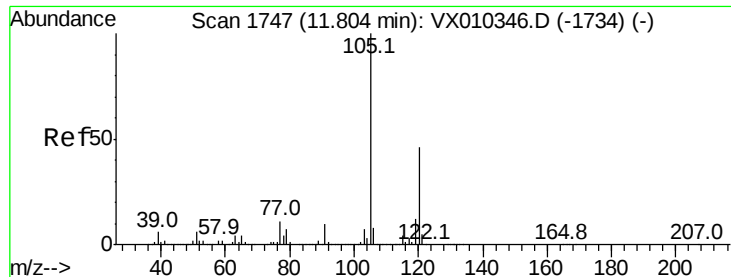
Tgt Ion: 105 Resp: 62150

Ion Ratio Lower Upper

105 100

120 48.3 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 24.237 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010893.D

Acq: 15 Jul 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

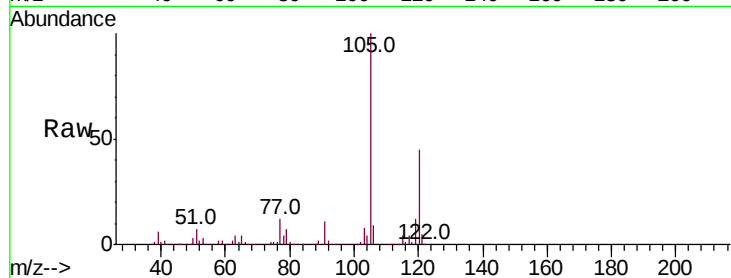
FL- 0594DL

Tot Ion:105 Resp: 226789

Ion Ratio Lower Upper

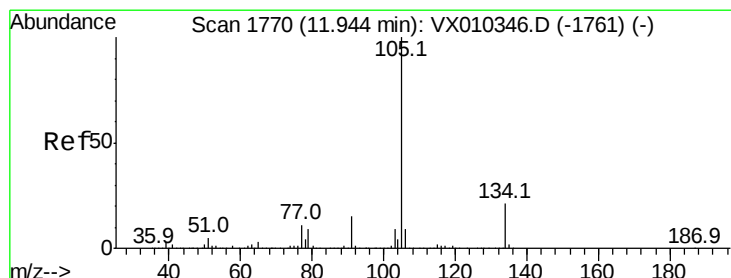
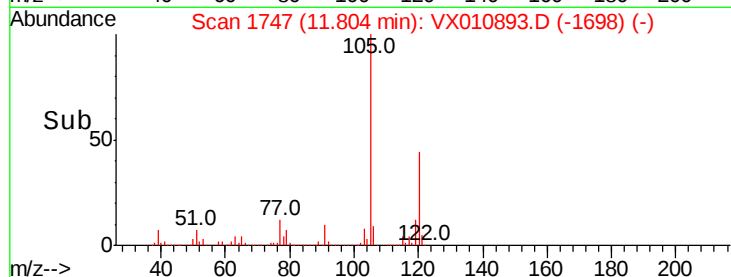
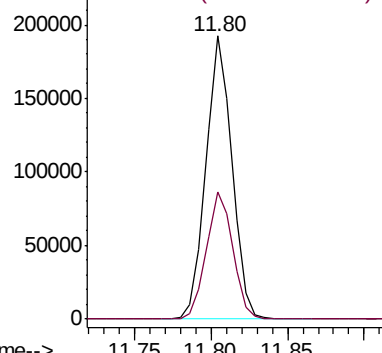
105 100

120 45.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.880 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010893.D

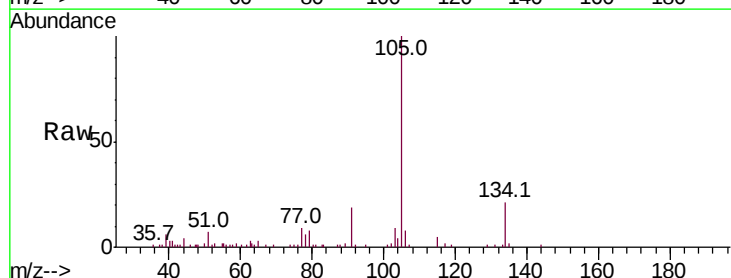
Acq: 15 Jul 2019 18:34

Tgt Ion:105 Resp: 9656

Ion Ratio Lower Upper

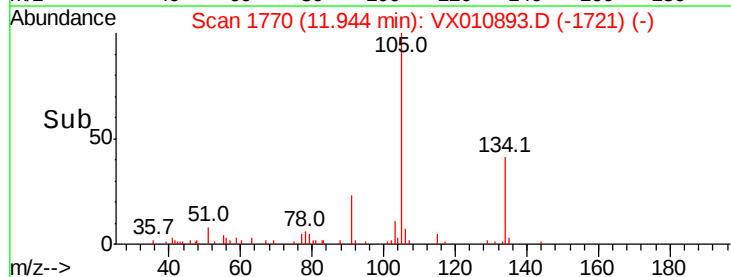
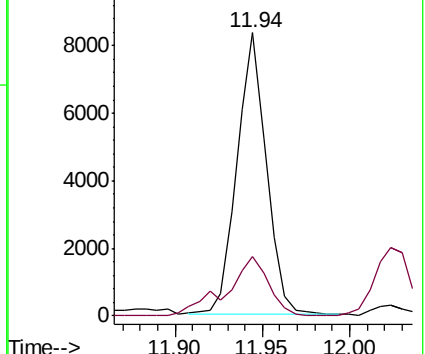
105 100

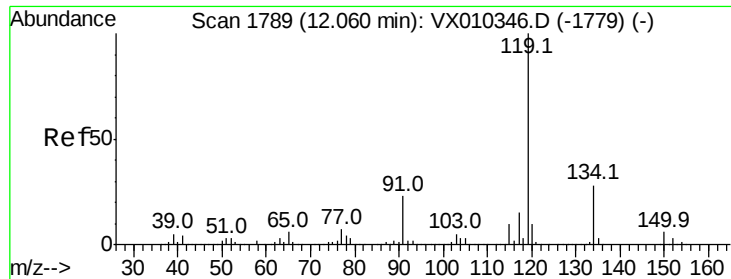
134 30.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

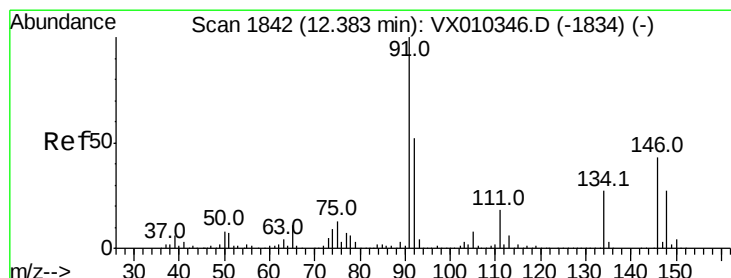
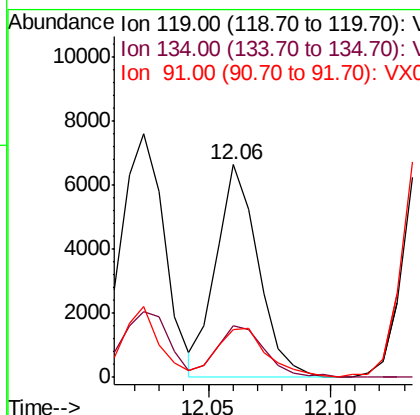
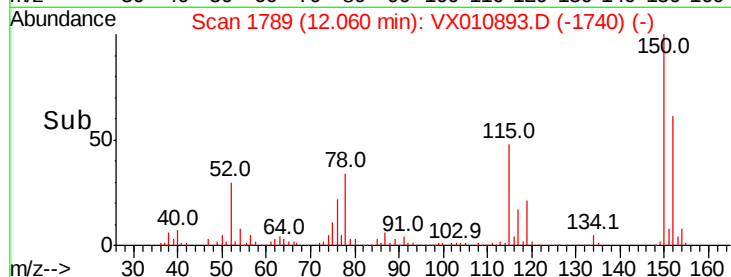
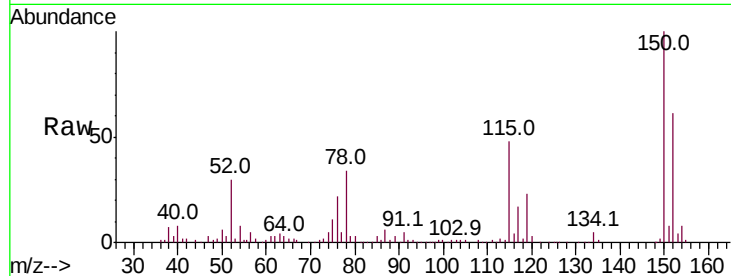




#86
p-Isopropyltoluene
Concen: 0.782 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010893.D
Acq: 15 Jul 2019 18:34

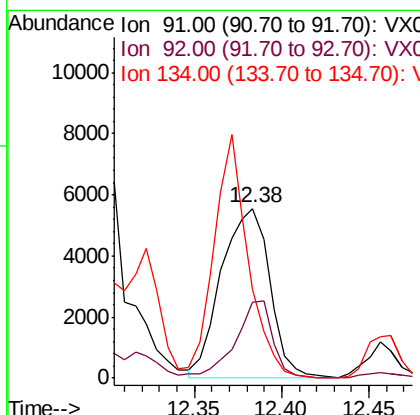
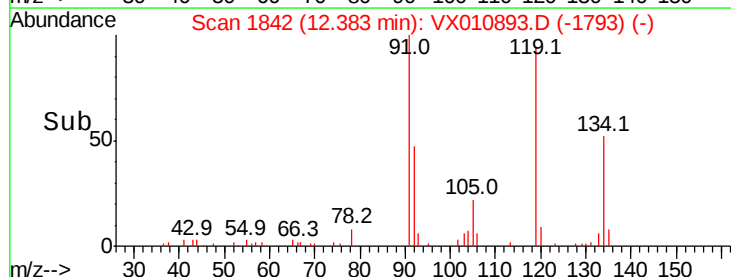
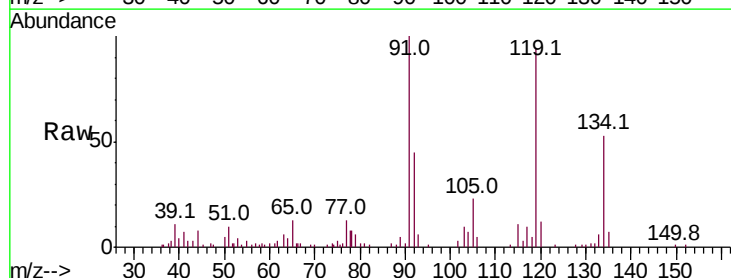
Instrument :
MSVOA_X
ClientSampleID :
FL- 0594DL

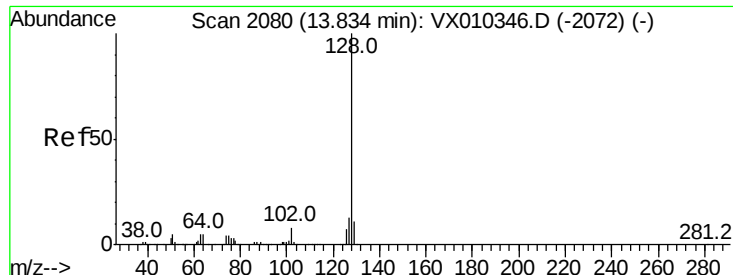
Tot Ion:119 Resp: 7938
Ion Ratio Lower Upper
119 100
134 28.0 13.7 41.1
91 28.0 11.3 33.8



#89
n-Butylbenzene
Concen: 1.243 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010893.D
Acq: 15 Jul 2019 18:34

Tgt Ion: 91 Resp: 10724
Ion Ratio Lower Upper
91 100
92 34.5 26.2 78.5
134 101.4 14.1 42.4#





#95
Naphthalene
Concen: 5.080 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010893.D
Acq: 15 Jul 2019 18:34

Instrument :
MSVOA_X
ClientSampleId :
FL- 0594DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	11.3	8.9	13.3

