

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011003.D
 Acq On : 19 Jul 2019 15:28
 Operator : JC/SP
 Sample : K3884-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0618

Quant Time: Jul 20 01:37:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	356759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	339663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174288	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	121947	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
35) Dibromofluoromethane	5.50	113	109936	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.71	98	432820	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.13	95	162864	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	

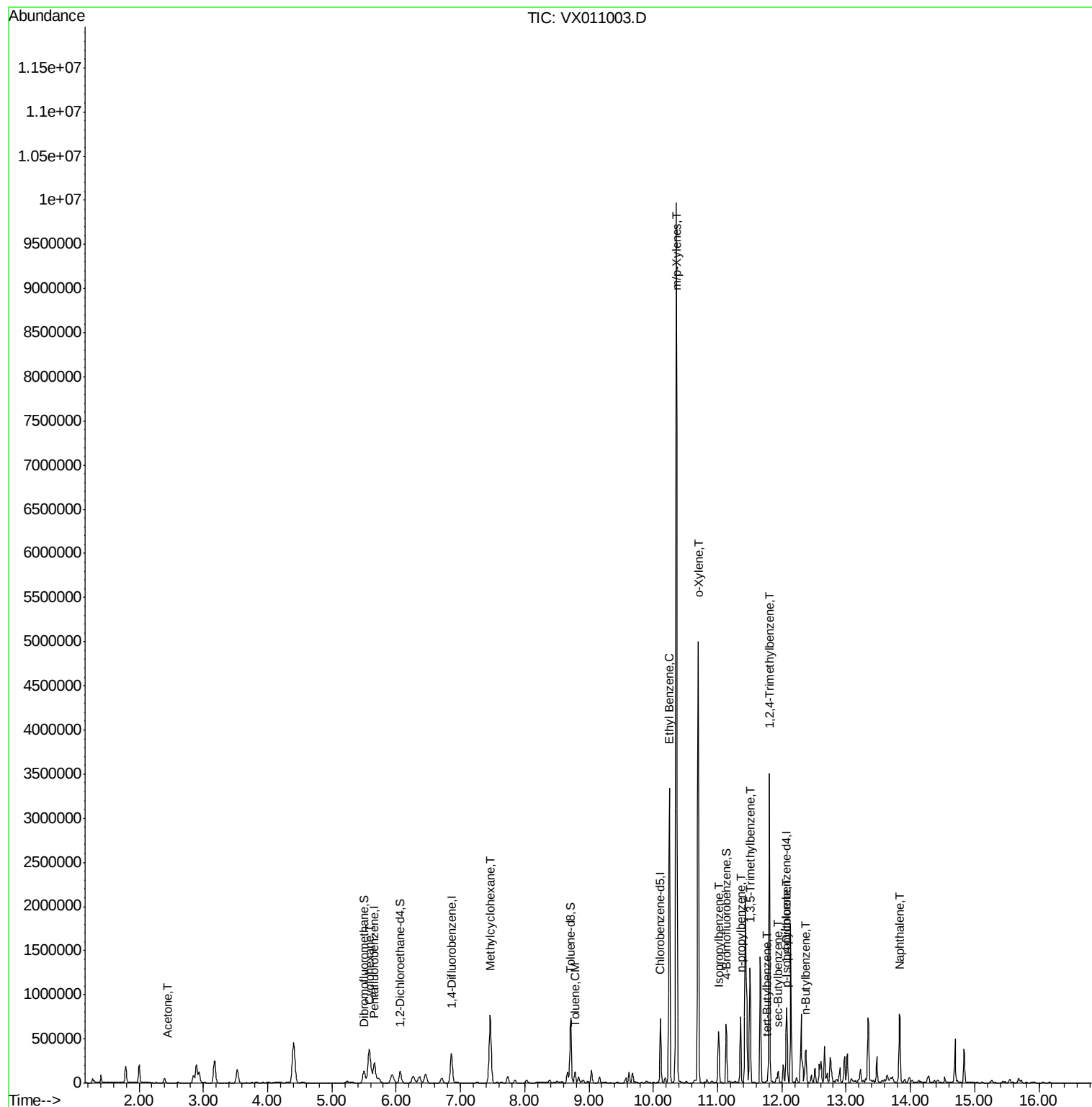
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	2880	2.661	ug/l	92
31) Cyclohexane	5.58	56	270705	83.192	ug/l	99
39) Methylcyclohexane	7.46	83	365430	96.160	ug/l	98
52) Toluene	8.79	92	48842	8.283	ug/l	97
67) Ethyl Benzene	10.25	91	1873884	157.805	ug/l	100
68) m/p-Xylenes	10.36	106	2329075	511.320	ug/l	100
69) o-Xylene	10.70	106	1112795	250.321	ug/l	98
73) Isopropylbenzene	11.02	105	306999	26.069	ug/l	99
78) n-propylbenzene	11.36	91	456577	35.088	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	554920	56.391	ug/l	99
83) tert-Butylbenzene	11.77	119	9924	1.027	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	1505805	151.821	ug/l	100
85) sec-Butylbenzene	11.94	105	65361	5.771	ug/l #	77
86) p-Isopropyltoluene	12.06	119	47896	4.574	ug/l	98
89) n-Butylbenzene	12.38	91	56362	6.292	ug/l #	27
95) Naphthalene	13.83	128	493860	44.170	ug/l	99

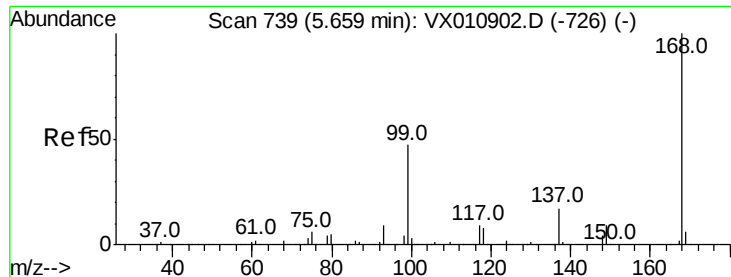
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

Instrument :

MSVOA_X

ClientSampled :

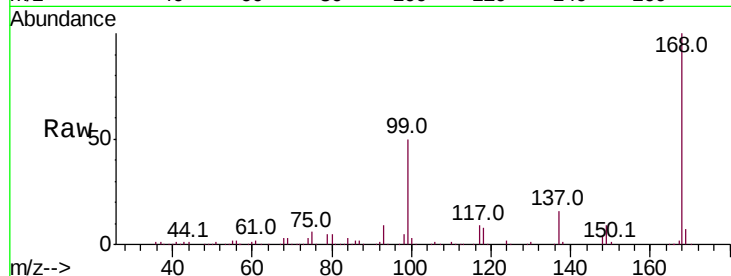
FL-0618

Tot Ion:168 Resp: 225273

Ion Ratio Lower Upper

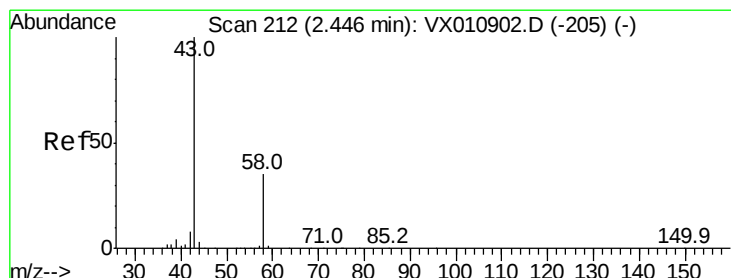
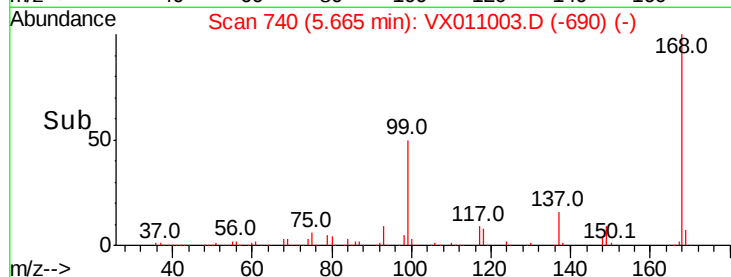
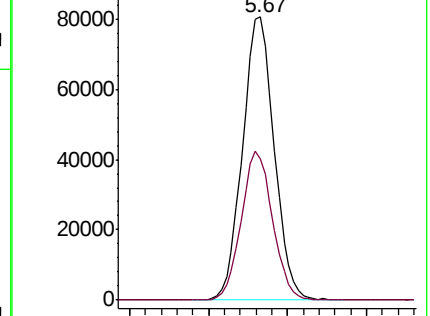
168 100

99 50.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 2.661 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011003.D

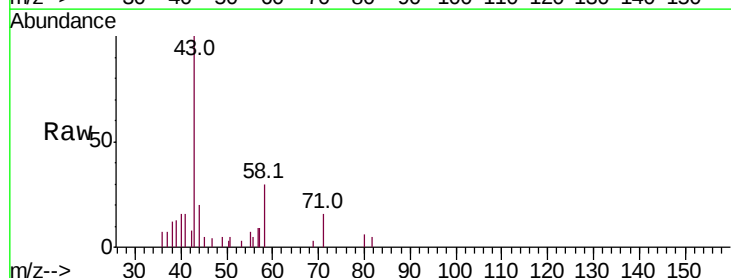
Acq: 19 Jul 2019 15:28

Tgt Ion: 43 Resp: 2880

Ion Ratio Lower Upper

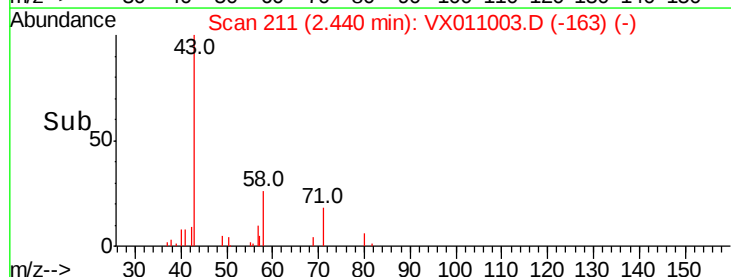
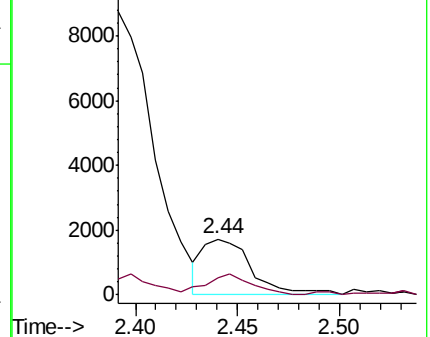
43 100

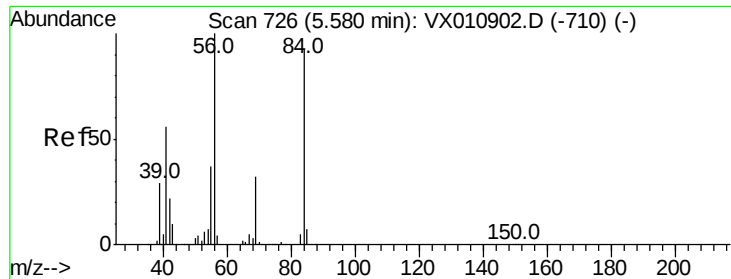
58 29.9 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

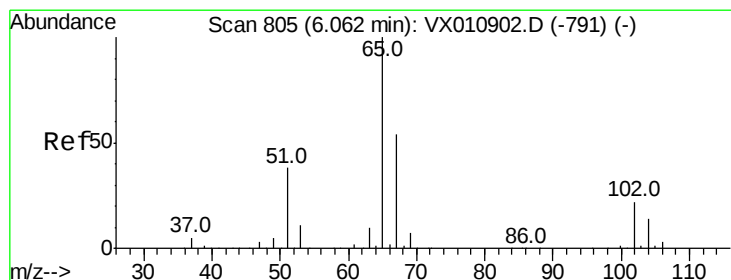
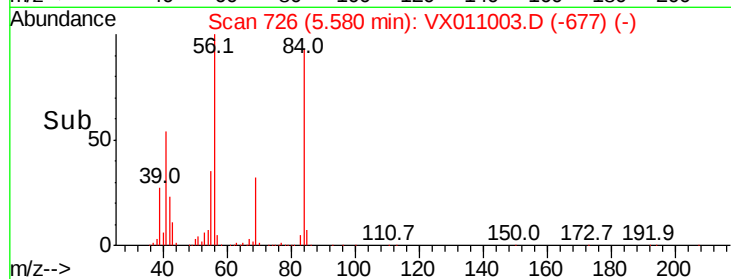
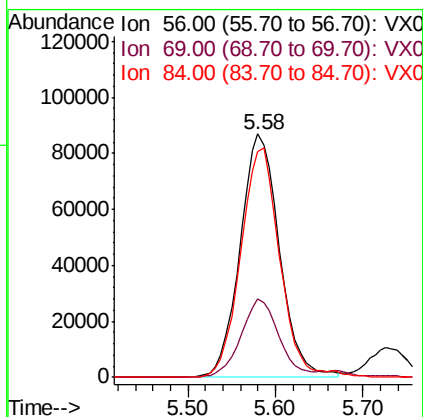
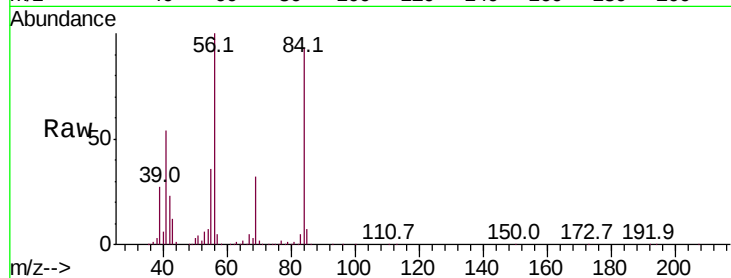




#31
Cyclohexane
Concen: 83.192 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX011003.D
Acq: 19 Jul 2019 15:28

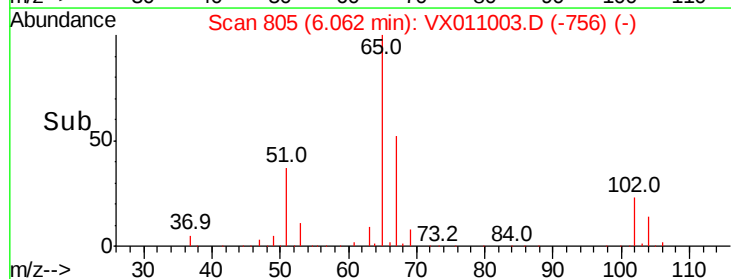
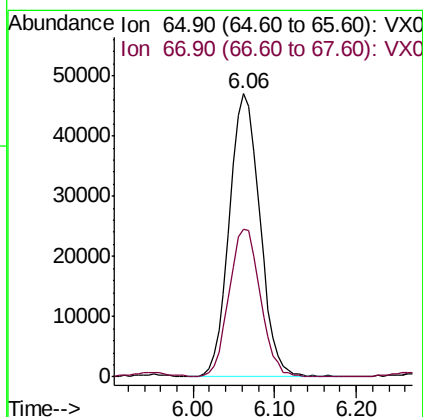
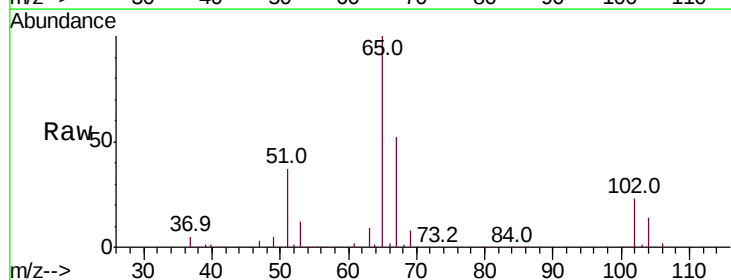
Instrument :
MSVOA_X
ClientSampled :
FL-0618

Tot Ion: 56 Resp: 270705
Ion Ratio Lower Upper
56 100
69 32.0 25.8 38.8
84 93.0 73.8 110.6



#33
1,2-Dichloroethane-d4
Concen: 50.884 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX011003.D
Acq: 19 Jul 2019 15:28

Tgt Ion: 65 Resp: 121947
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

FL-0618

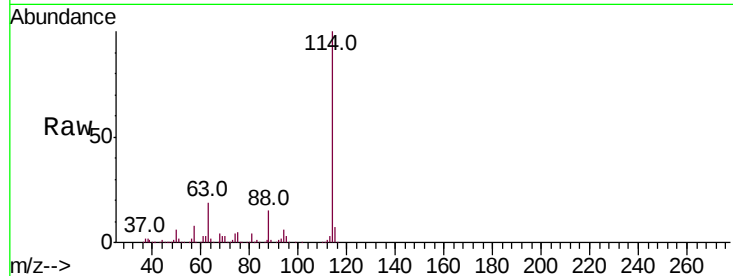
Tot Ion:114 Resp: 356759

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

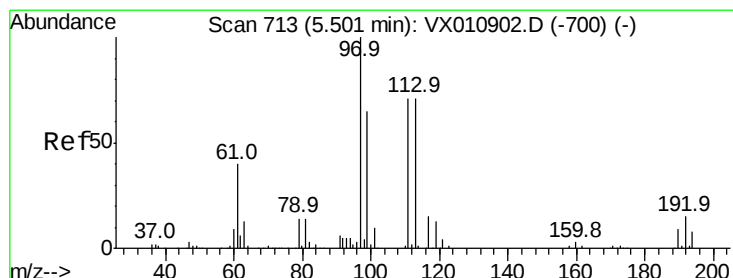
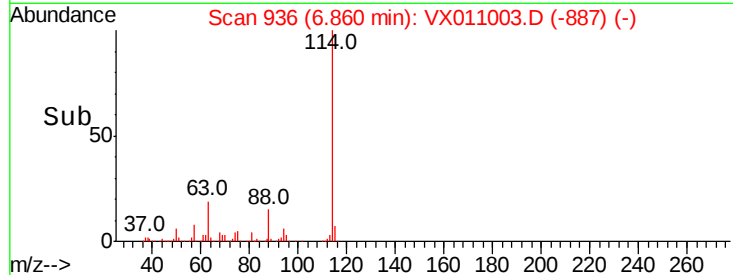
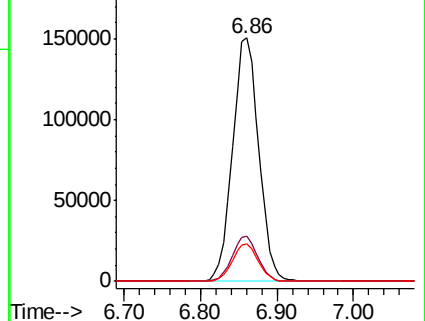
88 15.2 0.0 29.8



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: 48.549 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

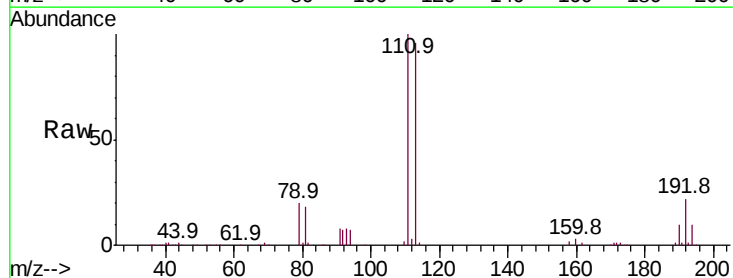
Tgt Ion:113 Resp: 109936

Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

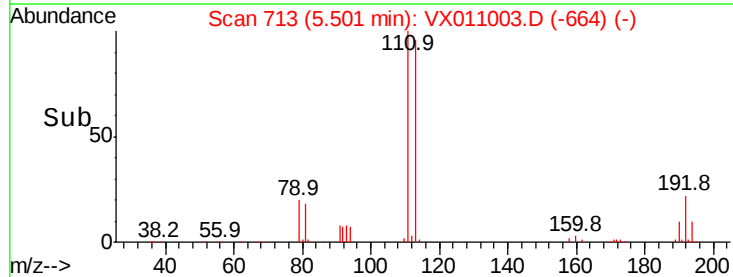
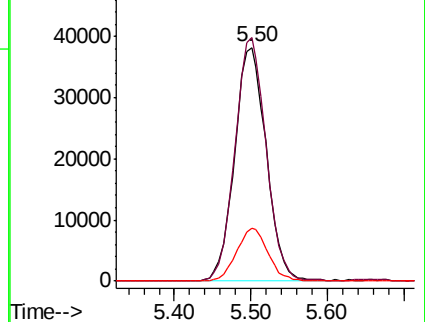
192 22.4 17.4 26.2

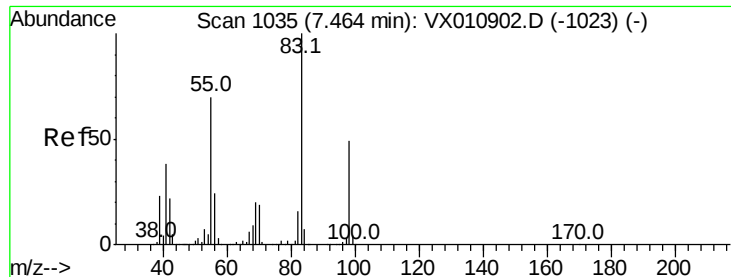


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

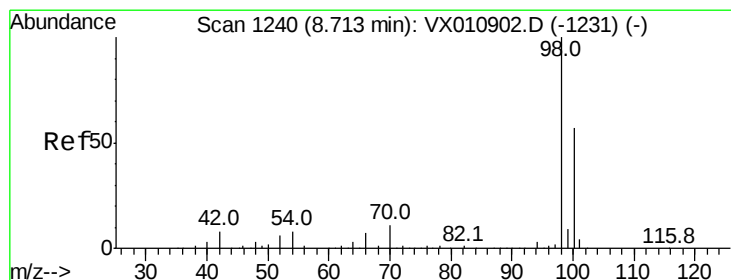
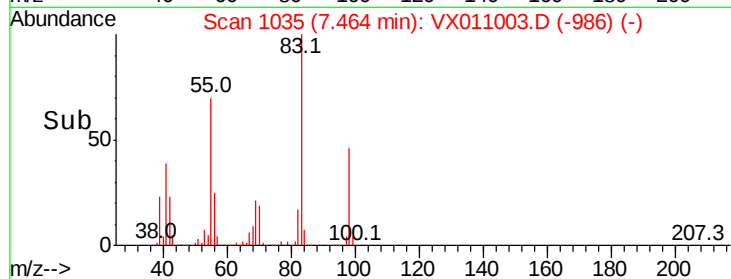
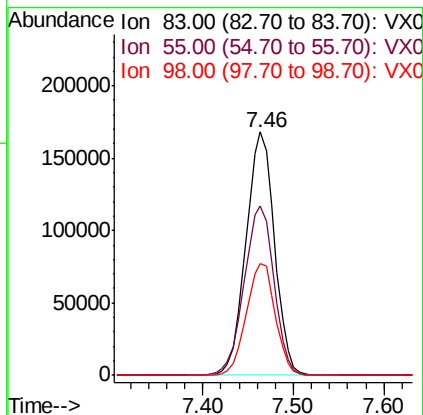
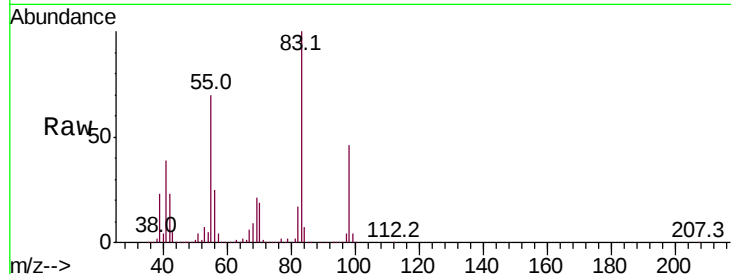




#39
Methvlcvclohexane
Concen: 96.160 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX011003.D
Acq: 19 Jul 2019 15:28

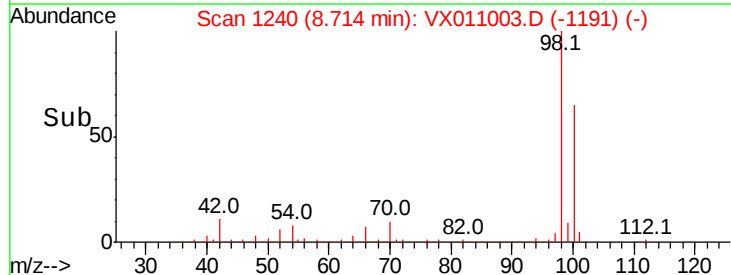
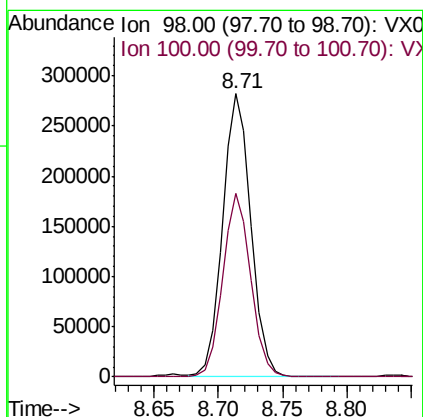
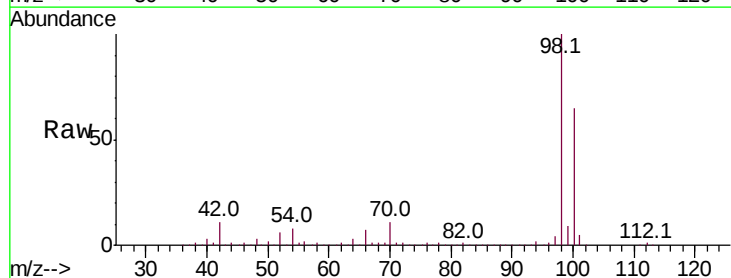
Instrument :
MSVOA_X
ClientSampled :
FL-0618

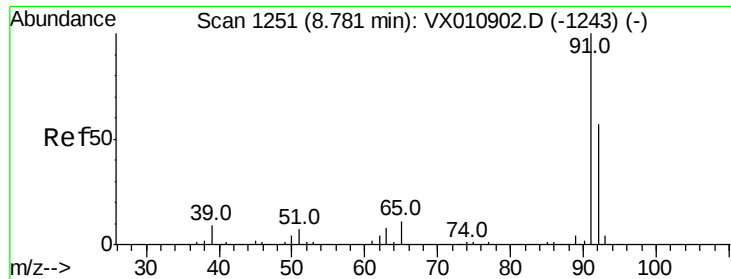
Tot Ion: 83 Resp: 365430
Ion Ratio Lower Upper
83 100
55 69.6 56.2 84.4
98 46.1 39.0 58.4



#50
Toluene-d8
Concen: 50.962 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011003.D
Acq: 19 Jul 2019 15:28

Tgt Ion: 98 Resp: 432820
Ion Ratio Lower Upper
98 100
100 64.4 50.6 75.8





#52

Toluene

Concen: 8.283 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

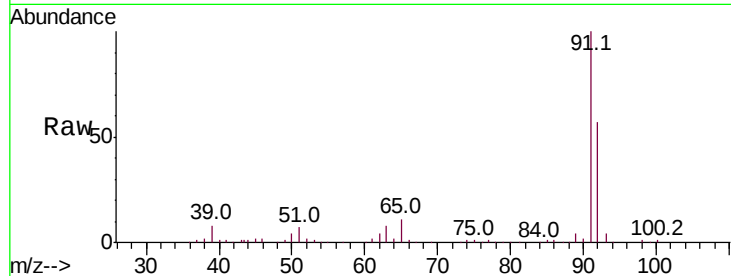
FL-0618

Tot Ion: 92 Resp: 48842

Ion Ratio Lower Upper

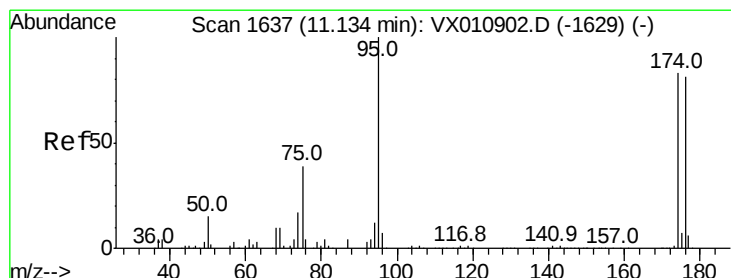
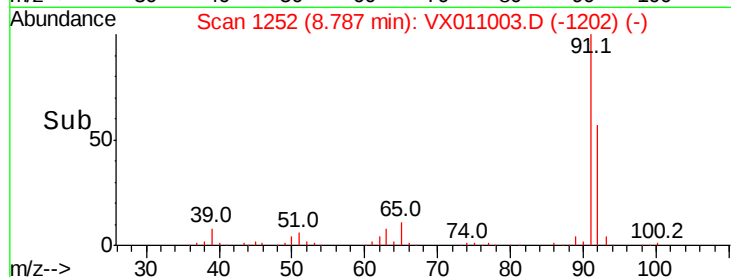
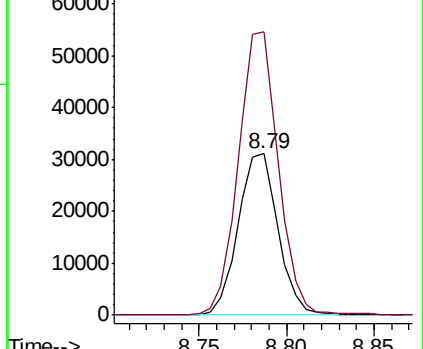
92 100

91 178.6 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 52.170 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

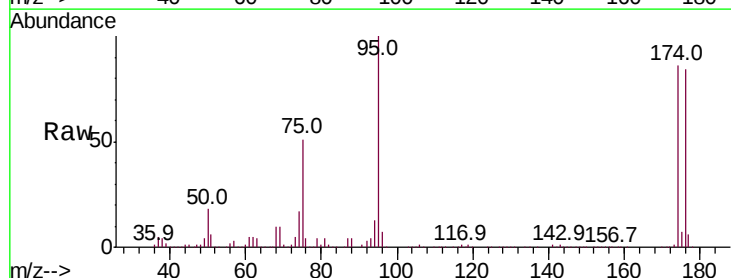
Tgt Ion: 95 Resp: 162864

Ion Ratio Lower Upper

95 100

174 88.4 0.0 180.6

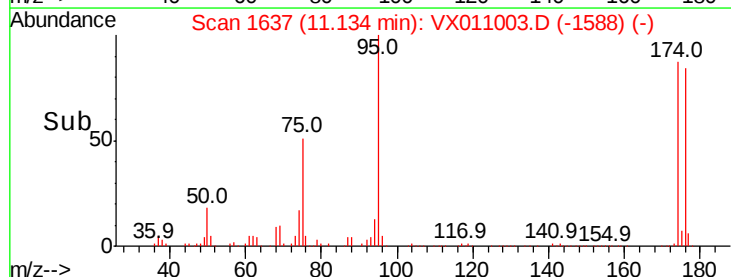
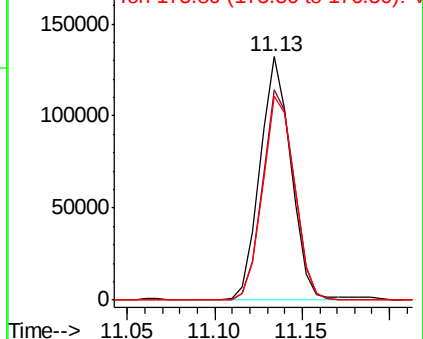
176 86.6 0.0 173.8

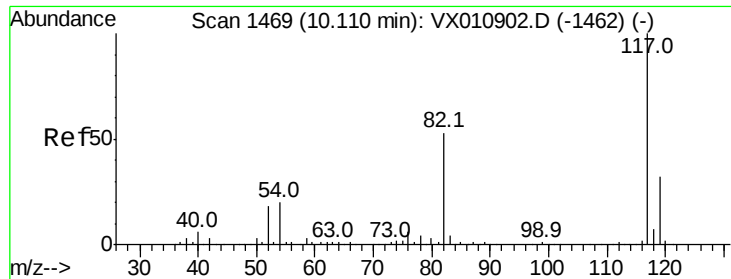


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

FL-0618

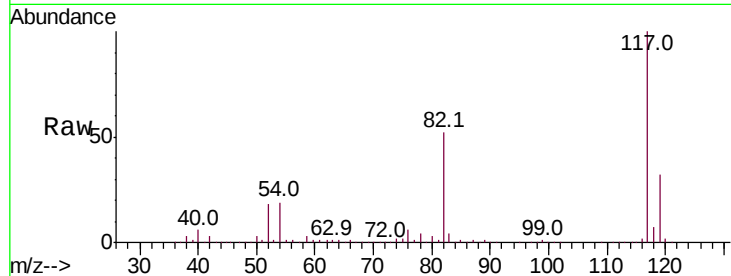
Tot Ion:117 Resp: 339663

Ion Ratio Lower Upper

117 100

82 52.4 42.6 63.8

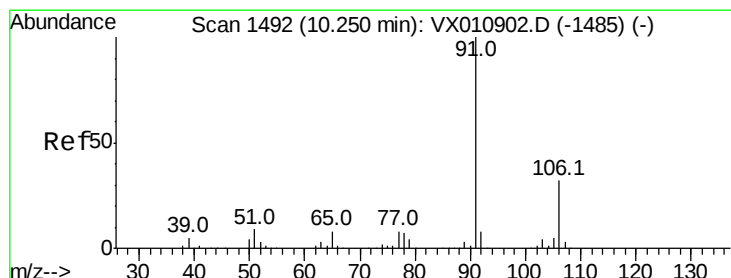
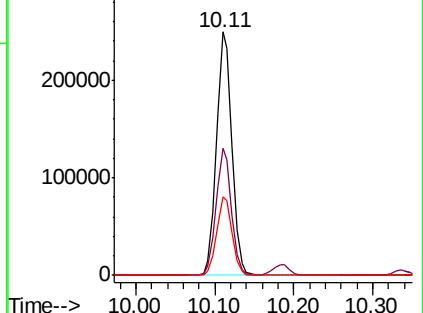
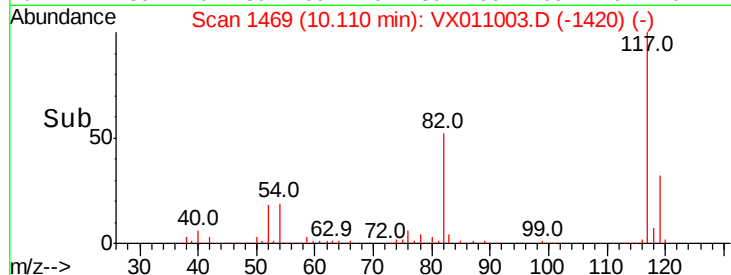
119 32.3 25.9 38.9



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: 157.805 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011003.D

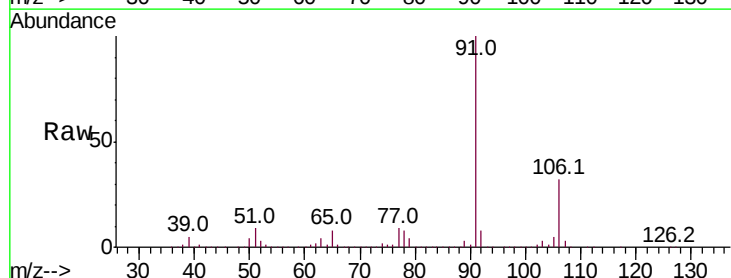
Acq: 19 Jul 2019 15:28

Tgt Ion: 91 Resp: 1873884

Ion Ratio Lower Upper

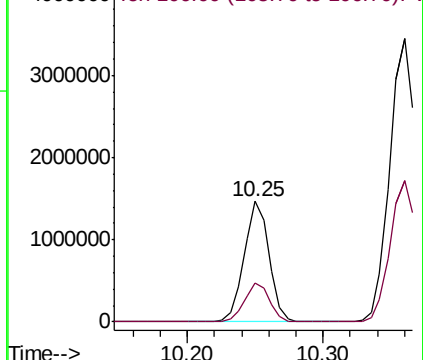
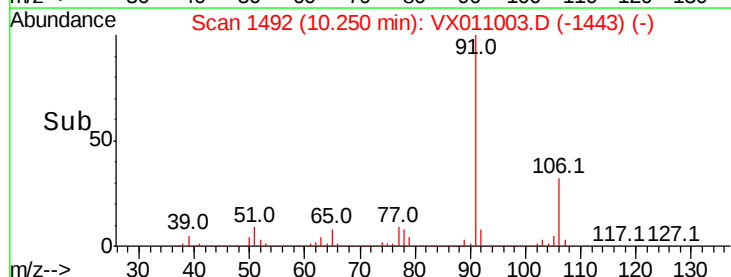
91 100

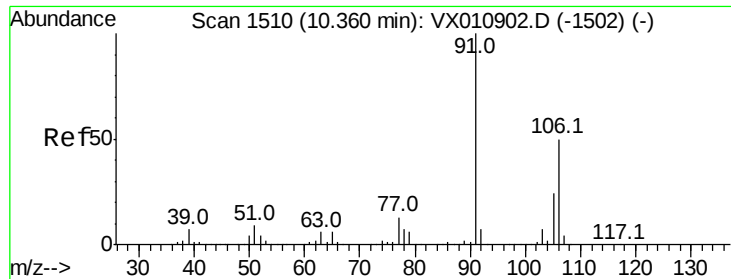
106 32.0 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

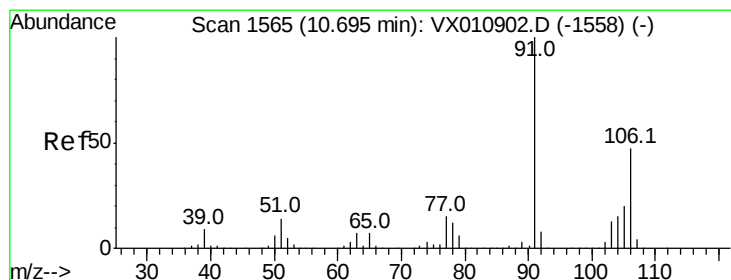
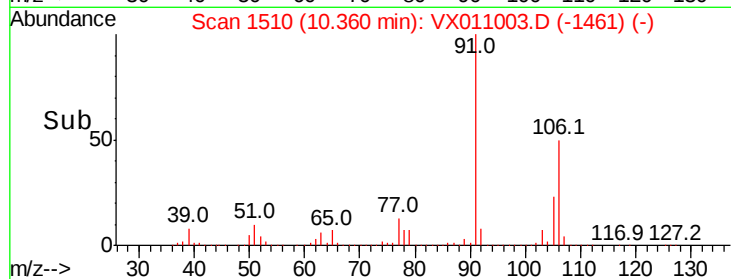
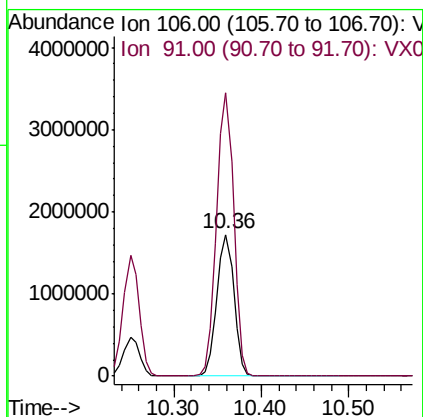
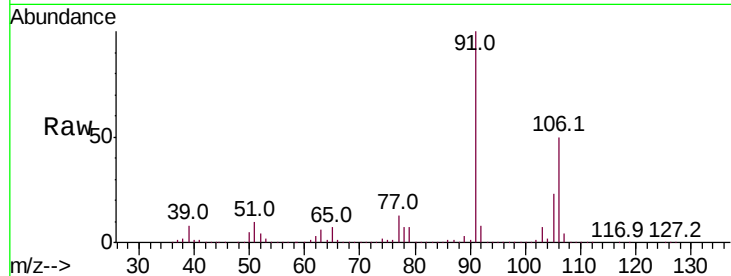




#68
m/p-Xylenes
Concen: 511.320 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011003.D
Acq: 19 Jul 2019 15:28

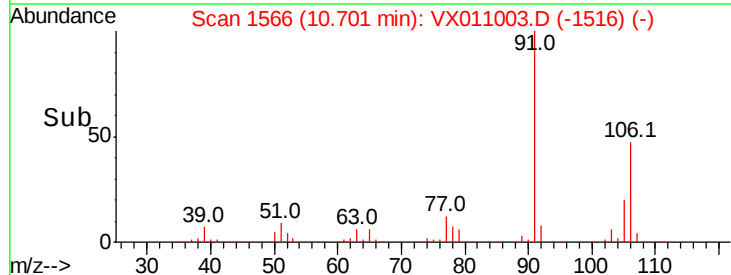
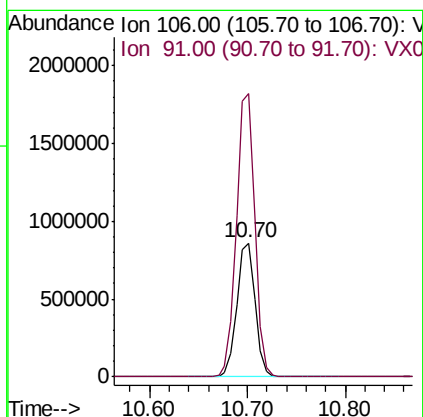
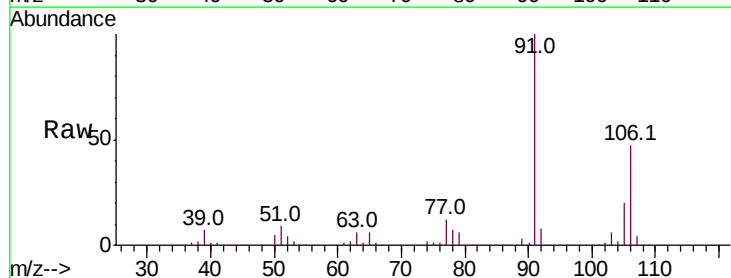
Instrument :
MSVOA_X
ClientSampled :
FL-0618

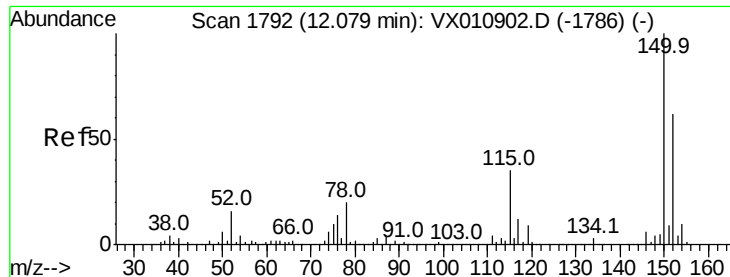
Tot Ion:106 Resp: 2329075
Ion Ratio Lower Upper
106 100
91 200.6 160.1 240.1



#69
o-Xylene
Concen: 250.321 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011003.D
Acq: 19 Jul 2019 15:28

Tgt Ion:106 Resp: 1112795
Ion Ratio Lower Upper
106 100
91 213.2 105.1 315.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

FL-0618

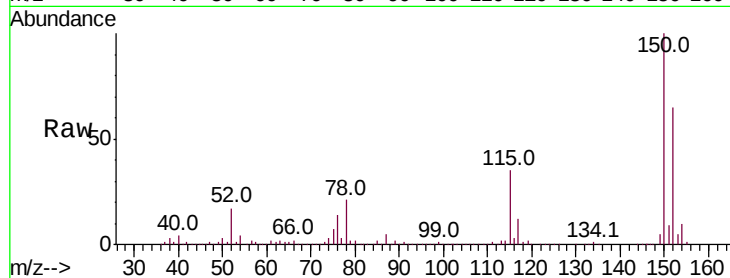
Tot Ion:152 Resp: 174288

Ion Ratio Lower Upper

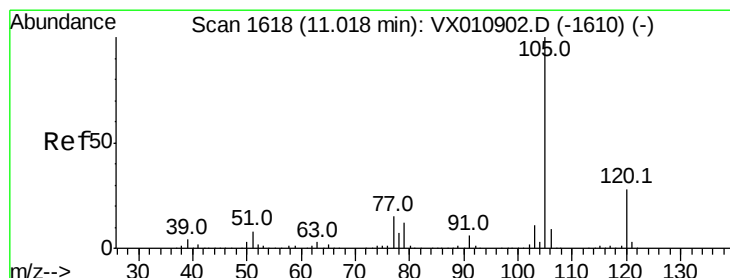
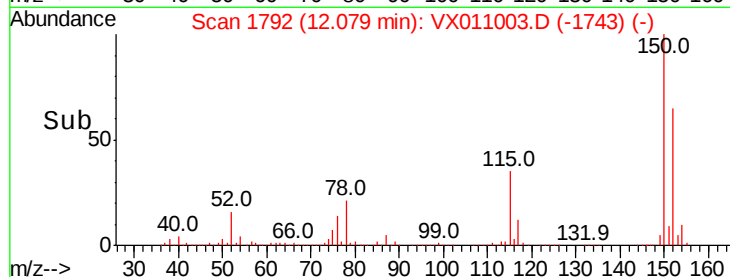
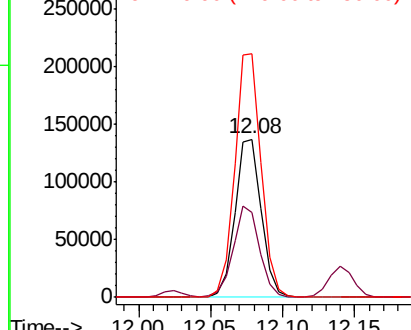
152 100

115 57.9 39.7 119.1

150 154.5 0.0 345.6



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: 26.069 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011003.D

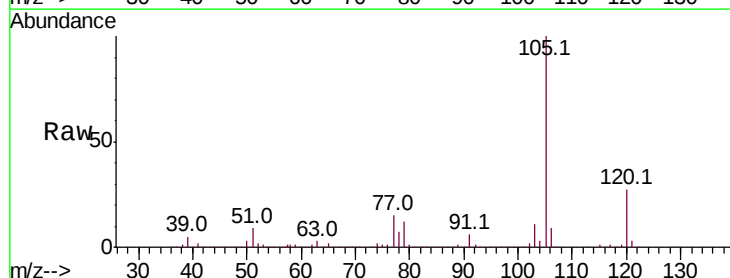
Acq: 19 Jul 2019 15:28

Tgt Ion:105 Resp: 306999

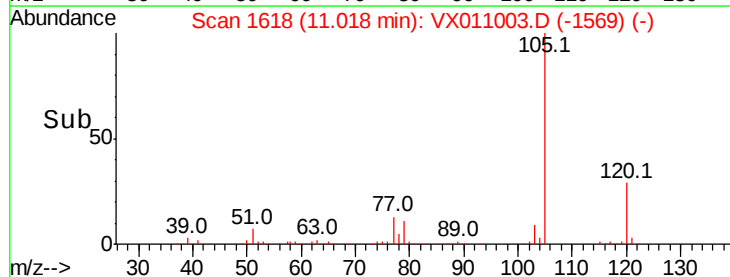
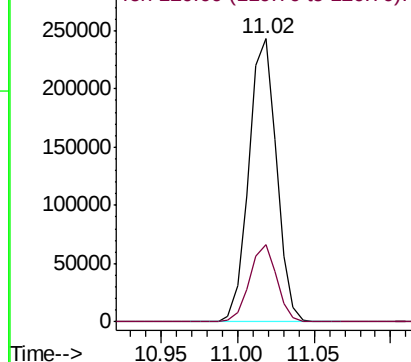
Ion Ratio Lower Upper

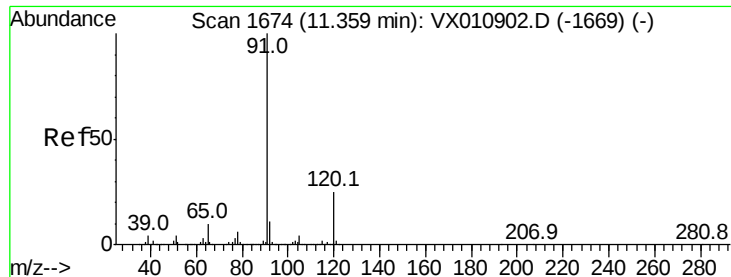
105 100

120 26.8 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 35.088 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

Instrument :

MSVOA_X

ClientSampled :

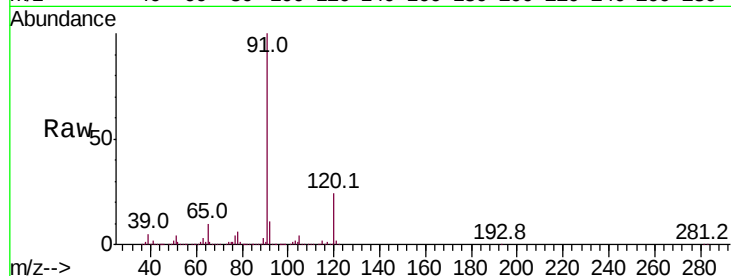
FL-0618

Tot Ion: 91 Resp: 456577

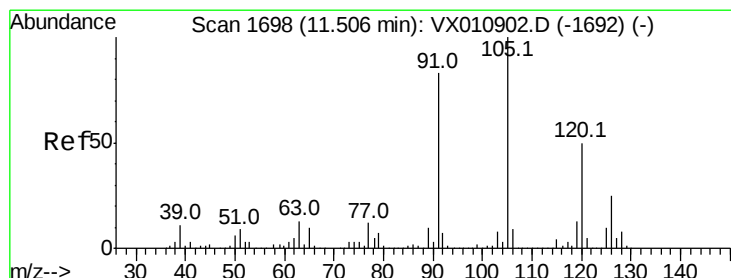
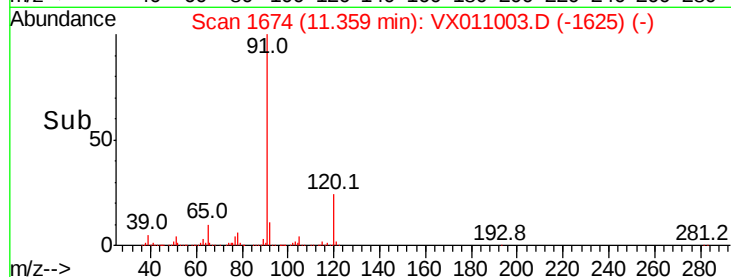
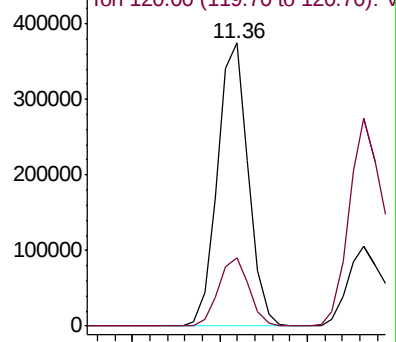
Ion Ratio Lower Upper

91 100

120 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX011003.D (-1669) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.391 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011003.D

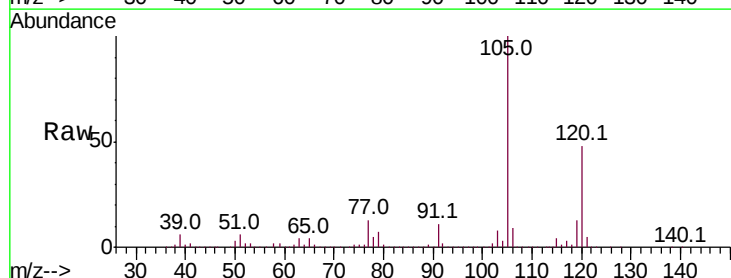
Acq: 19 Jul 2019 15:28

Tgt Ion:105 Resp: 554920

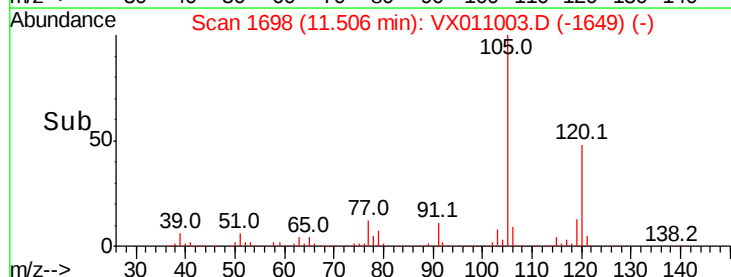
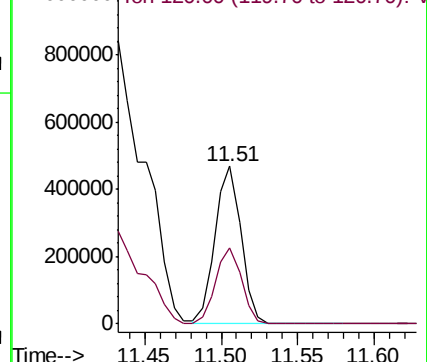
Ion Ratio Lower Upper

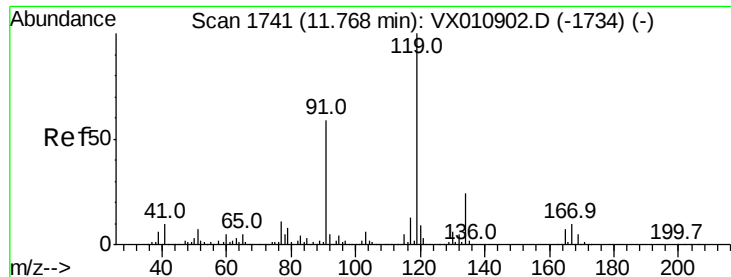
105 100

120 48.6 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX011003.D (-1649) (-)





#83

tert-Butylbenzene

Concen: 1.027 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

FL-0618

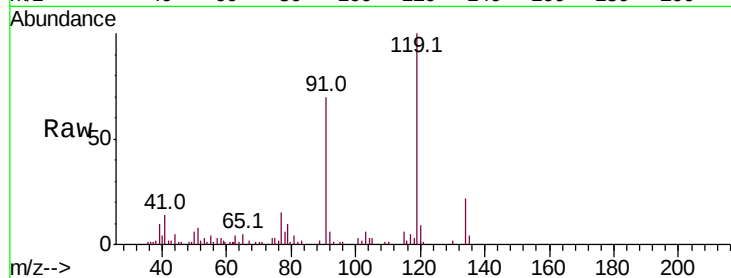
Tot Ion:119 Resp: 9924

Ion Ratio Lower Upper

119 100

91 69.9 28.6 85.8

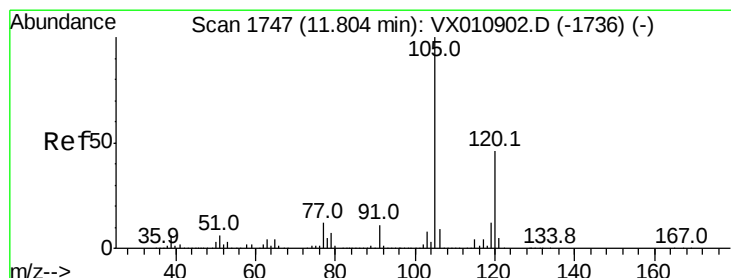
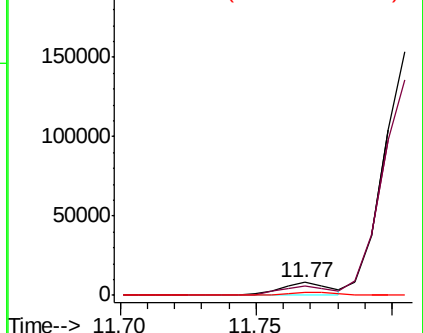
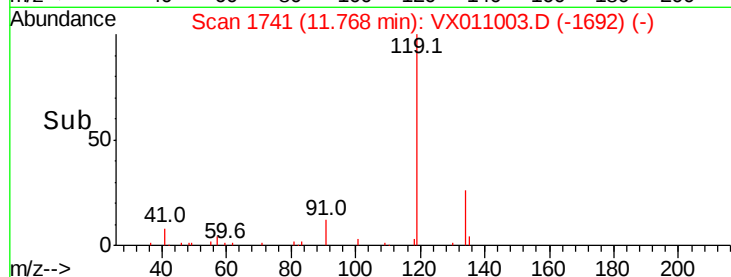
134 24.8 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 151.821 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011003.D

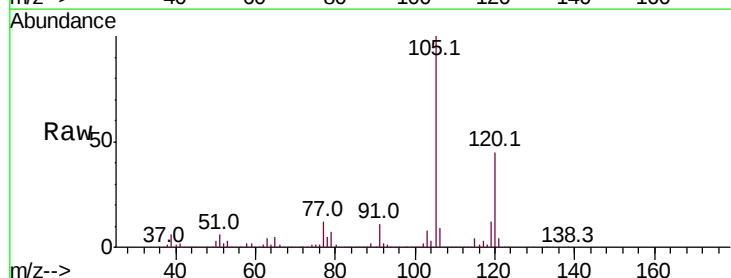
Acq: 19 Jul 2019 15:28

Tgt Ion:105 Resp: 1505805

Ion Ratio Lower Upper

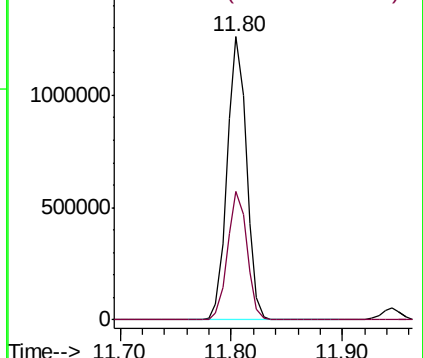
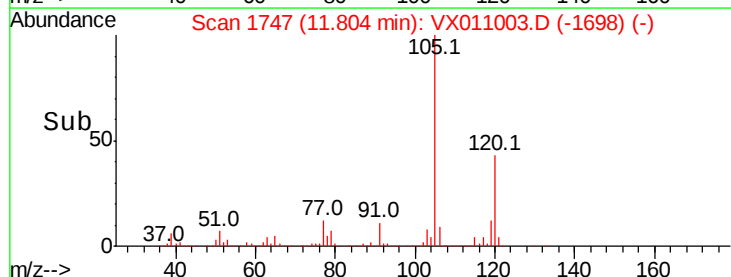
105 100

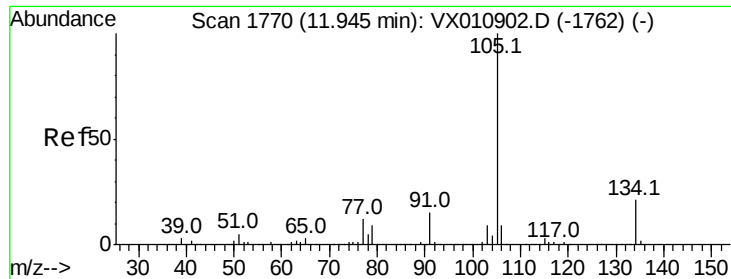
120 45.4 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.771 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

Instrument :

MSVOA_X

ClientSampled :

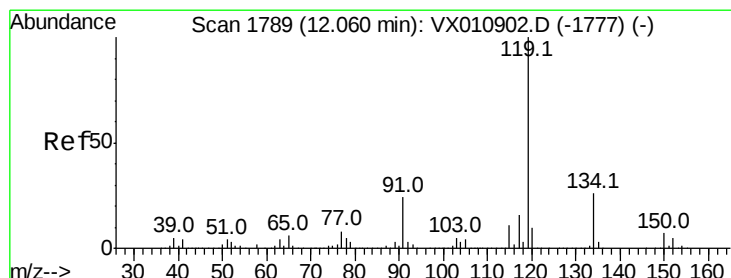
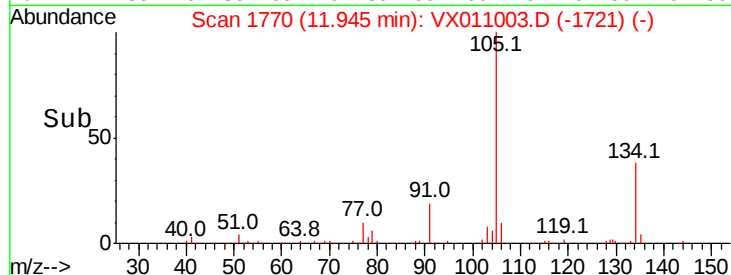
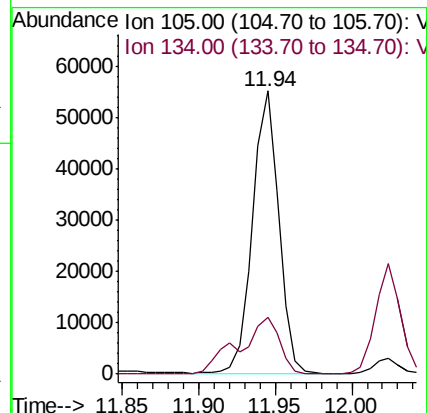
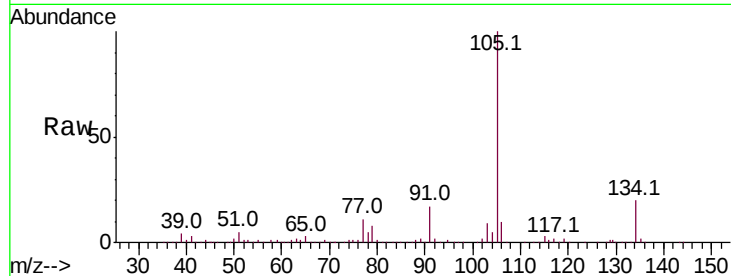
FL-0618

Tot Ion:105 Resp: 65361

Ion Ratio Lower Upper

105 100

134 31.5 10.4 31.4#



#86

p-Isopropyltoluene

Concen: 4.574 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

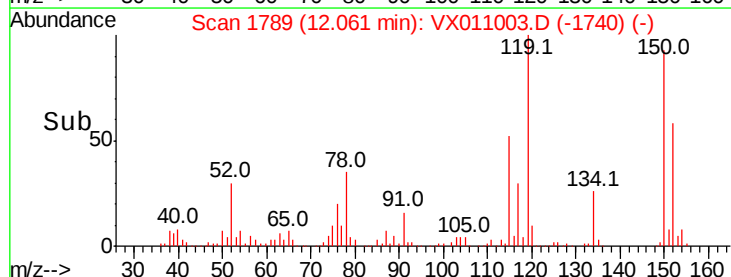
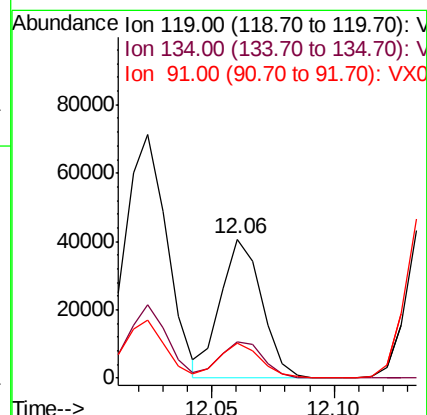
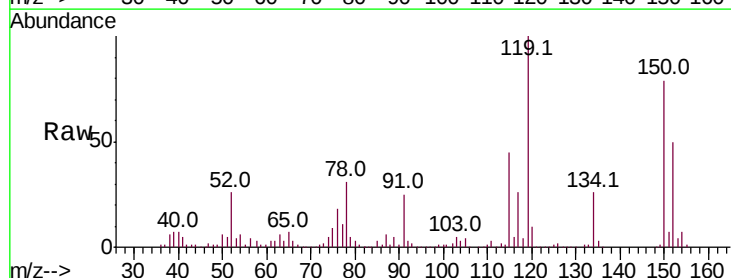
Tgt Ion:119 Resp: 47896

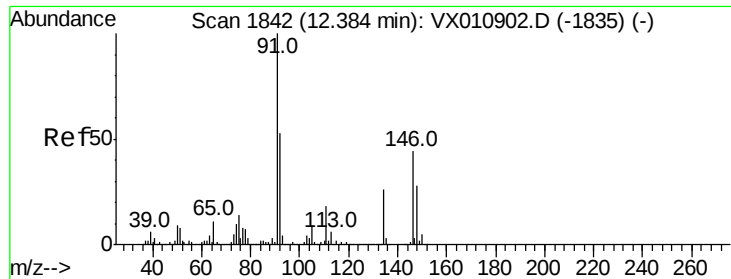
Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.1

91 24.7 11.8 35.4





#89

n-Butylbenzene

Concen: 6.292 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

Instrument :

MSVOA_X

ClientSampled :

FL-0618

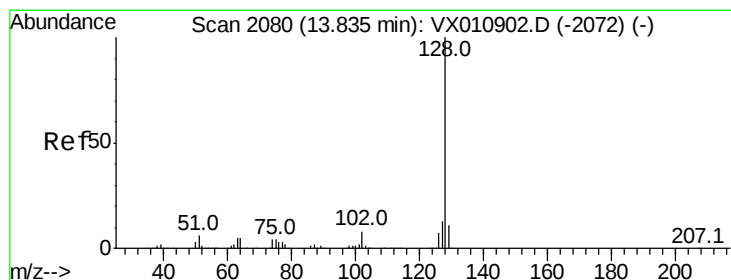
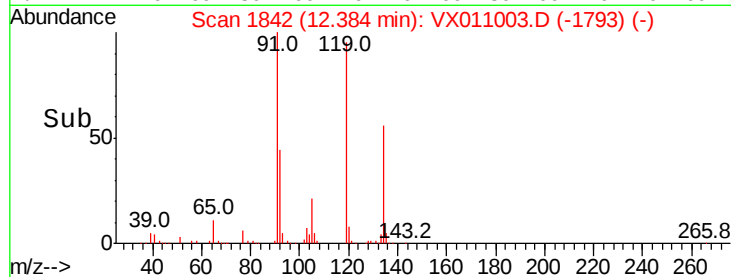
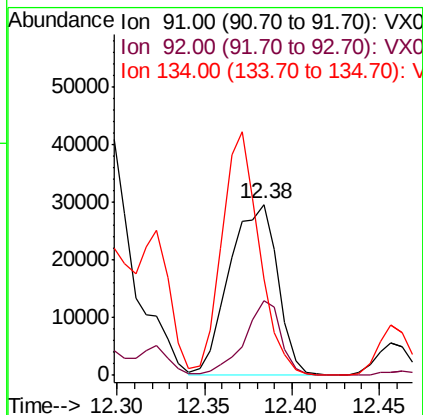
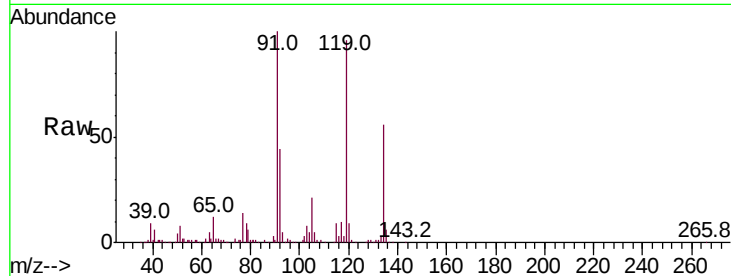
Tot Ion: 91 Resp: 56362

Ion Ratio Lower Upper

91 100

92 33.3 26.2 78.5

134 111.2 13.8 41.3#



#95

Naphthalene

Concen: 44.170 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011003.D

Acq: 19 Jul 2019 15:28

Tgt Ion:128 Resp: 493860

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.5 8.9 13.3

