

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011002.D
 Acq On : 19 Jul 2019 15:04
 Operator : JC/SP
 Sample : K3884-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0615

Quant Time: Jul 20 01:35:11 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	5.66	168	225458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347903	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161889	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	116886	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
35) Dibromofluoromethane	5.50	113	108426	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	8.71	98	423266	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	154221	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	

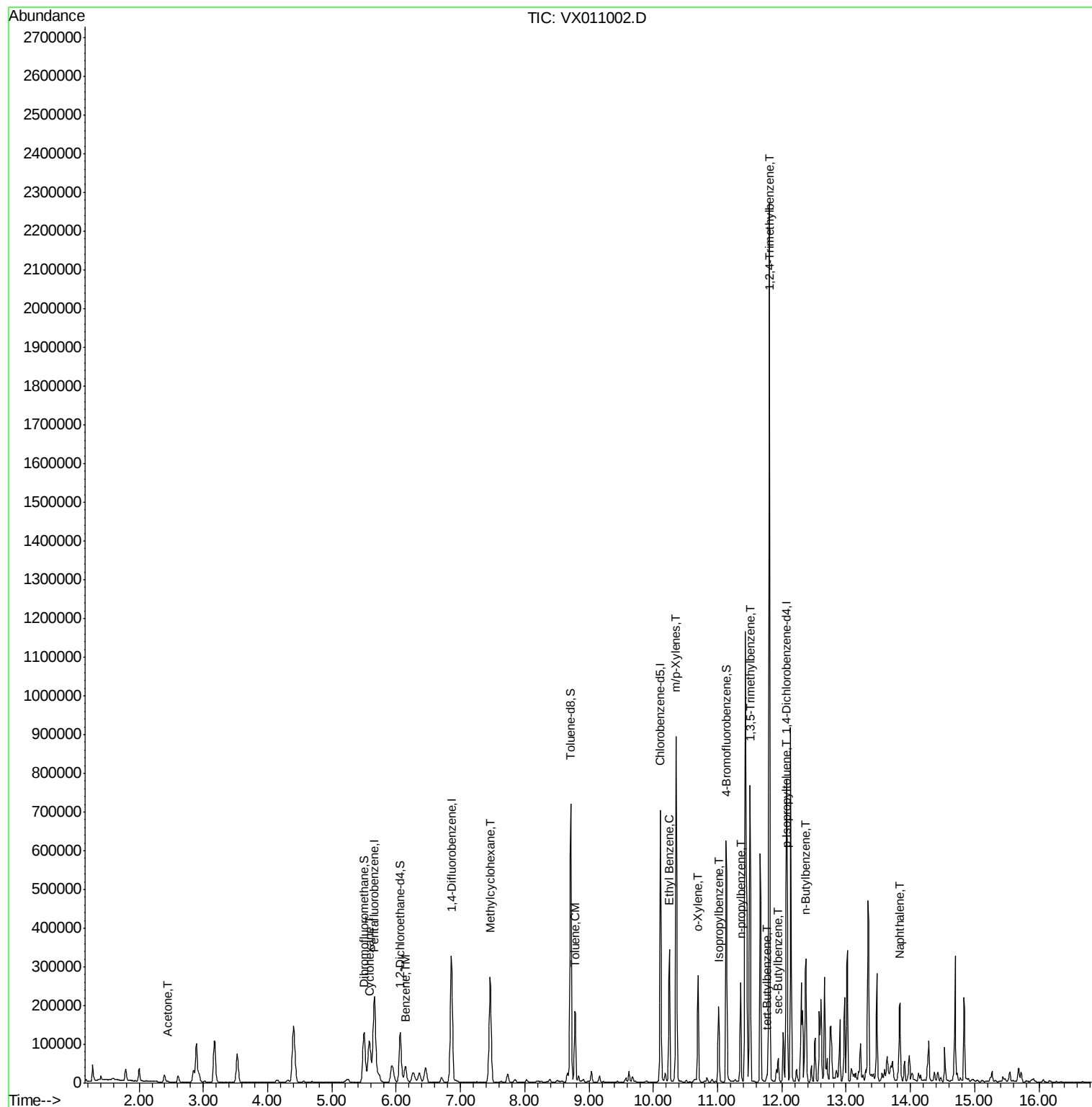
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	4228	3.903	ug/l	98
31) Cyclohexane	5.58	56	73832	22.671	ug/l	97
39) Methylcyclohexane	7.46	83	126512	34.138	ug/l	98
40) Benzene	6.15	78	50678	5.789	ug/l	100
52) Toluene	8.78	92	69634	12.109	ug/l	100
67) Ethyl Benzene	10.25	91	192933	16.863	ug/l	100
68) m/p-Xylenes	10.35	106	214279	48.824	ug/l	99
69) o-Xylene	10.69	106	61077	14.259	ug/l	99
73) Isopropylbenzene	11.02	105	101121	9.244	ug/l	99
78) n-propylbenzene	11.36	91	155831	12.893	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	328932	35.986	ug/l	100
83) tert-Butylbenzene	11.77	119	7935	0.884	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	962704	104.498	ug/l	99
85) sec-Butylbenzene	11.94	105	30283	2.879	ug/l	99
86) p-Isopropyltoluene	12.06	119	32665	3.359	ug/l	98
89) n-Butylbenzene	12.38	91	43989	5.287	ug/l #	21
95) Naphthalene	13.83	128	125653	12.099	ug/l	97

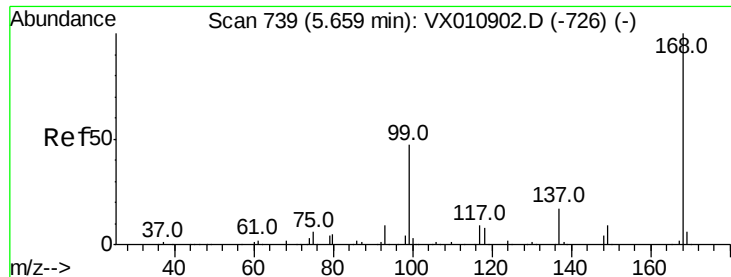
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

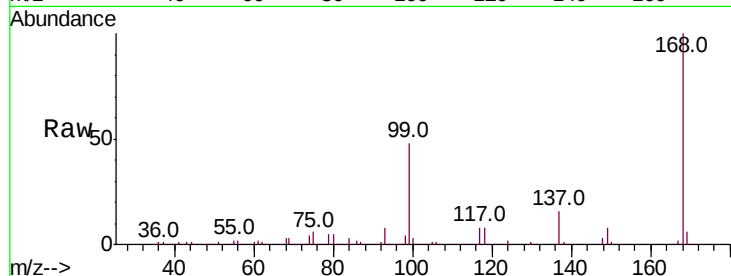
FL-0615

Tot Ion:168 Resp: 225458

Ion Ratio Lower Upper

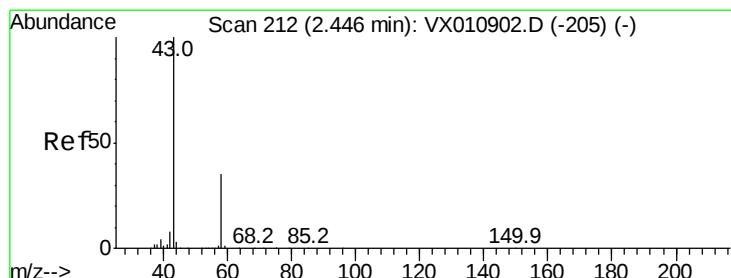
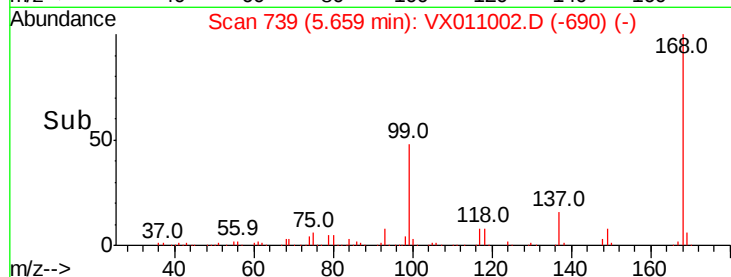
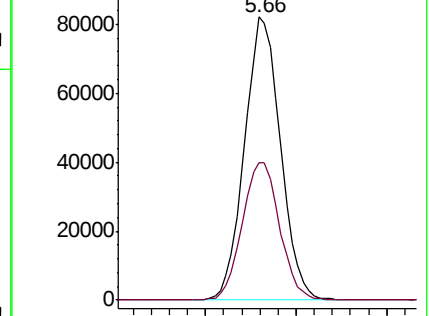
168 100

99 48.4 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: 3.903 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011002.D

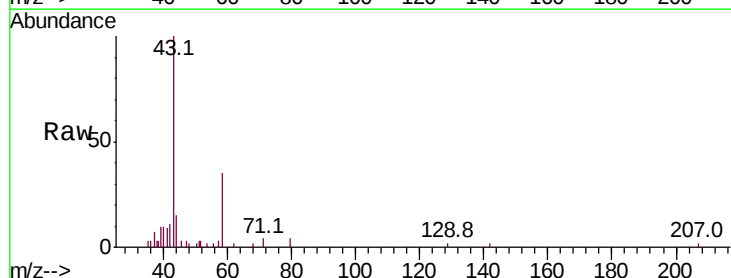
Acq: 19 Jul 2019 15:04

Tgt Ion: 43 Resp: 4228

Ion Ratio Lower Upper

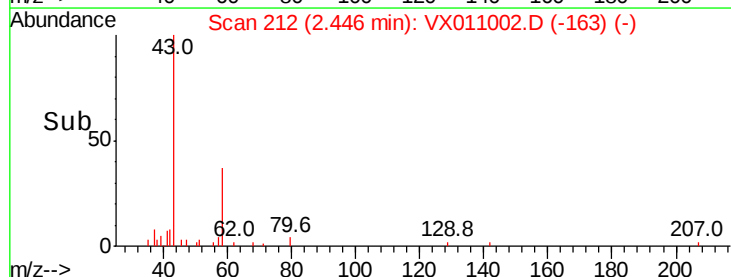
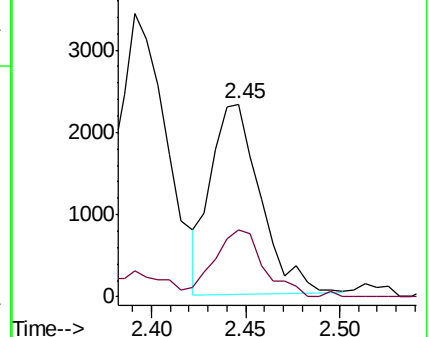
43 100

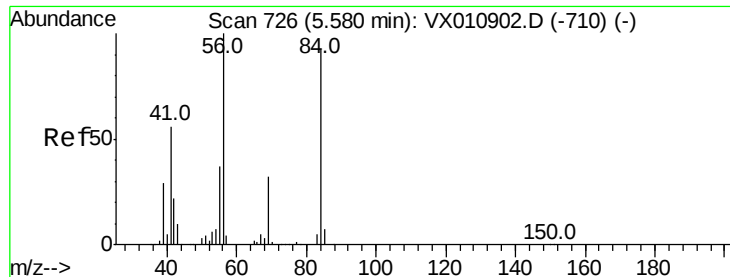
58 36.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 22.671 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

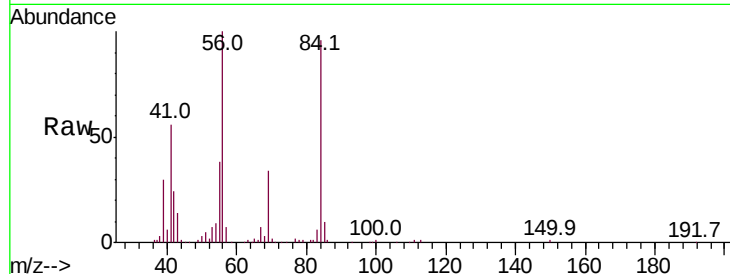
Tot Ion: 56 Resp: 73832

Ion Ratio Lower Upper

56 100

69 33.8 25.8 38.8

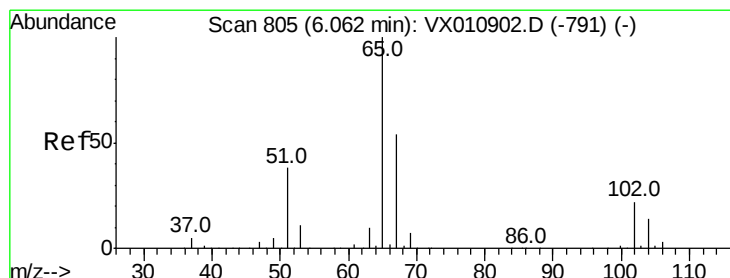
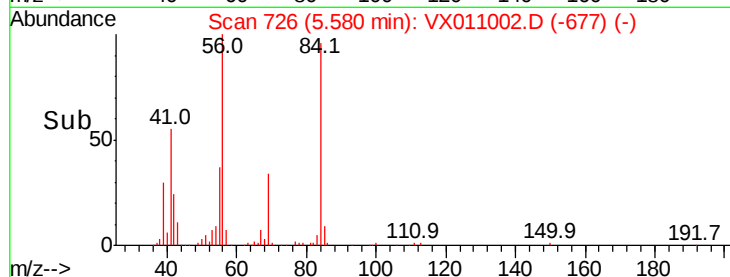
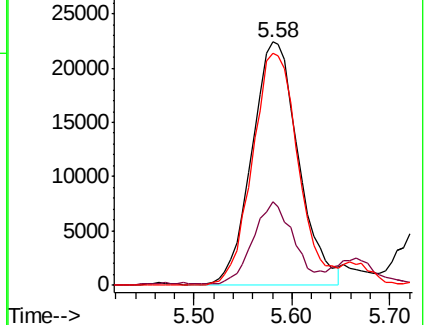
84 95.8 73.8 110.6



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: 48.732 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011002.D

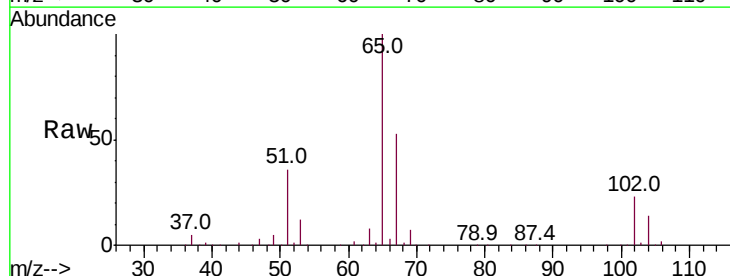
Acq: 19 Jul 2019 15:04

Tgt Ion: 65 Resp: 116886

Ion Ratio Lower Upper

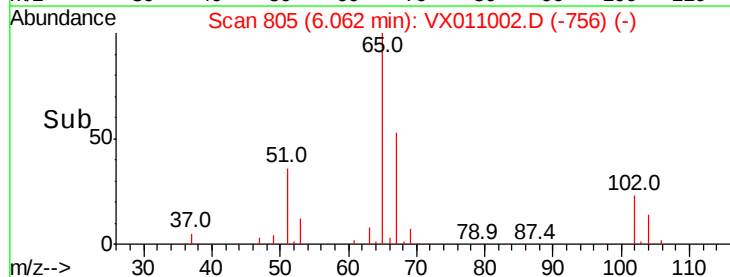
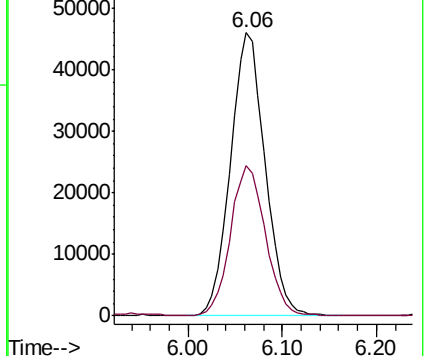
65 100

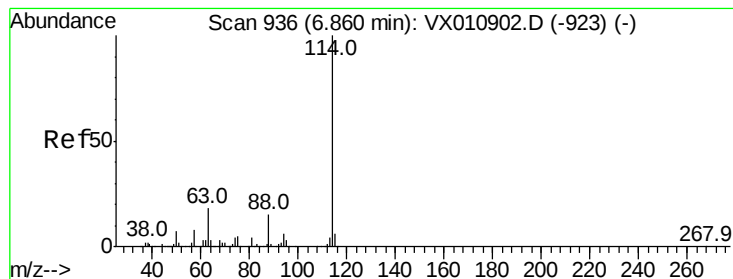
67 53.5 0.0 107.8



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: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

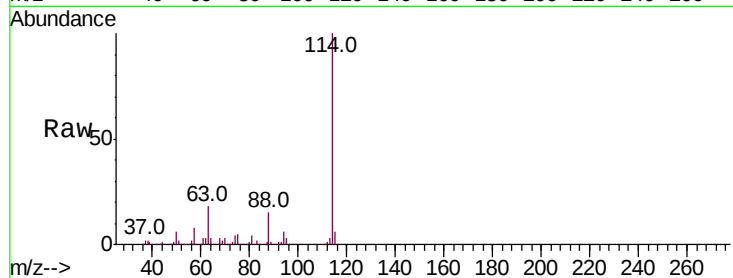
Tot Ion:114 Resp: 347903

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

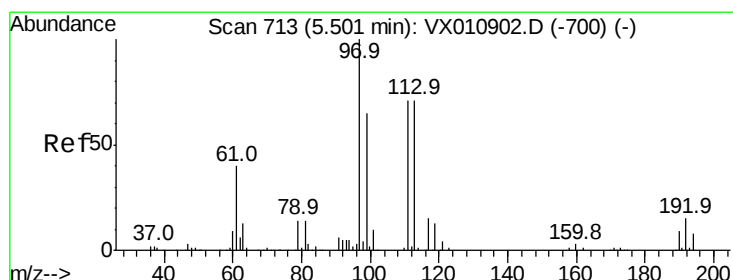
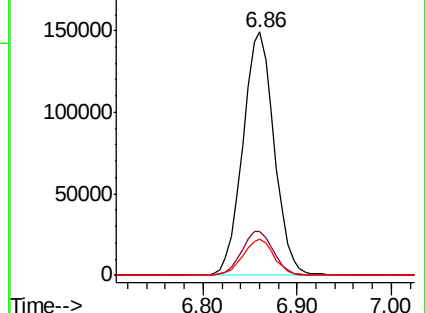
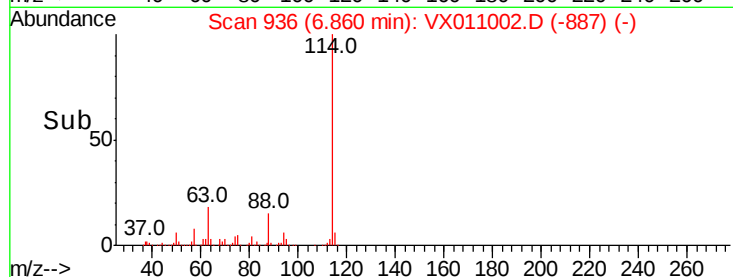
88 15.0 0.0 29.8



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: 49.101 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

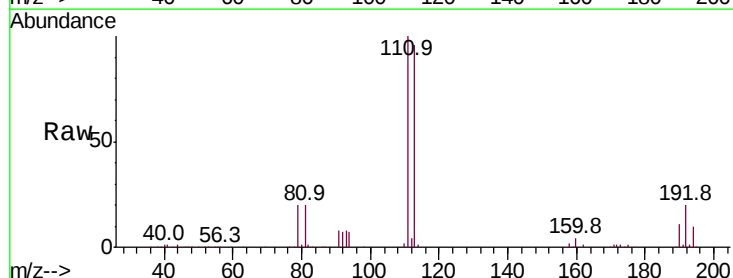
Tgt Ion:113 Resp: 108426

Ion Ratio Lower Upper

113 100

111 102.1 82.3 123.5

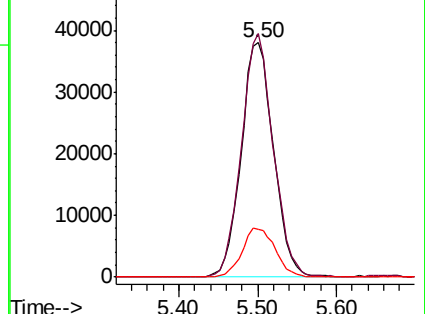
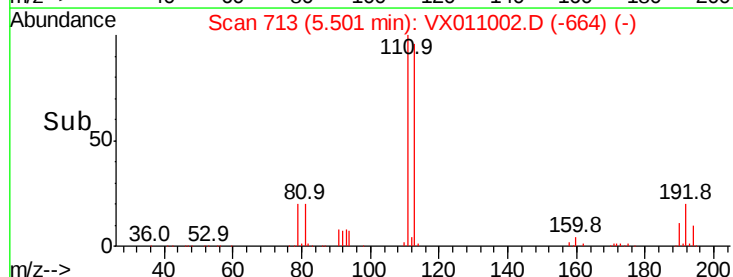
192 21.4 17.4 26.2

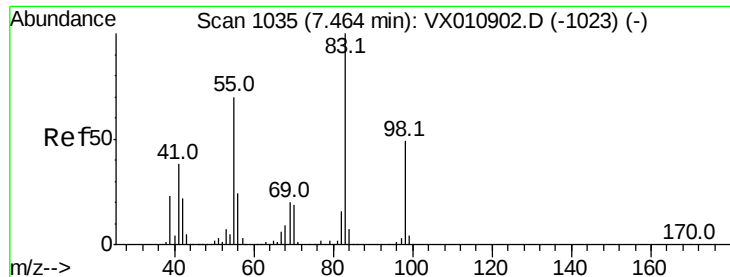


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

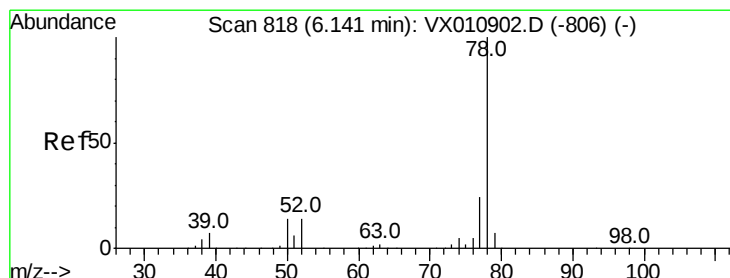
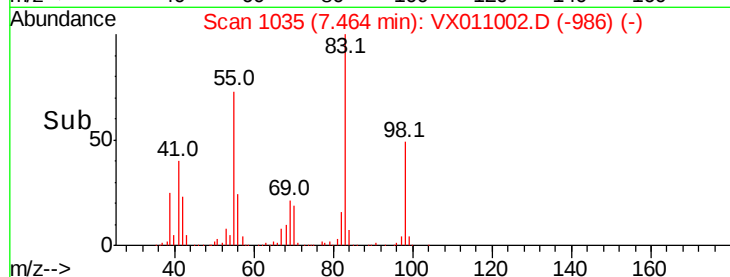
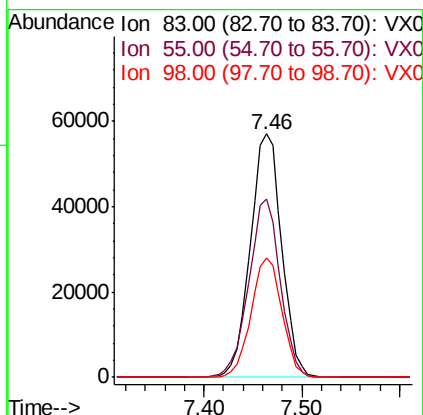
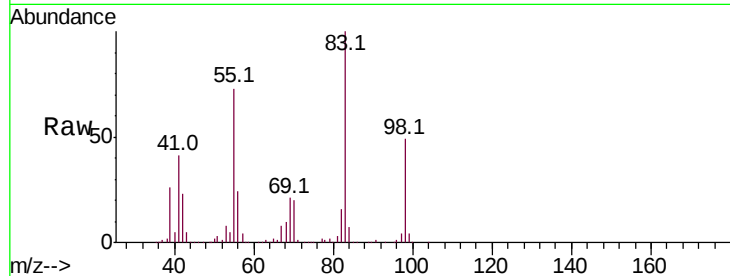




#39
Methvlcvclohexane
Concen: 34.138 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

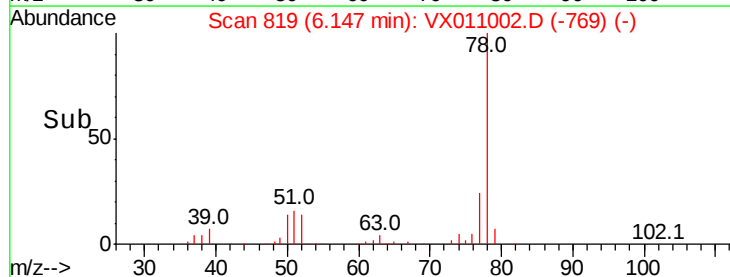
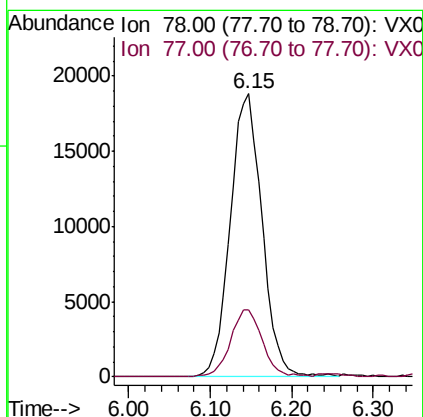
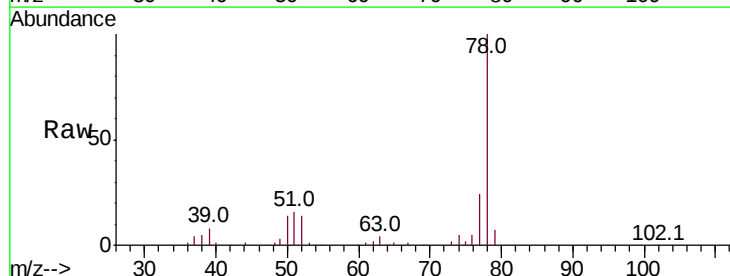
Instrument :
MSVOA_X
ClientSampled :
FL-0615

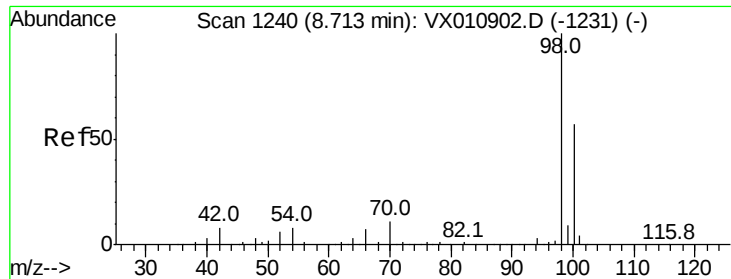
Tot Ion: 83 Resp: 126512
Ion Ratio Lower Upper
83 100
55 72.9 56.2 84.4
98 49.2 39.0 58.4



#40
Benzene
Concen: 5.789 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion: 78 Resp: 50678
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

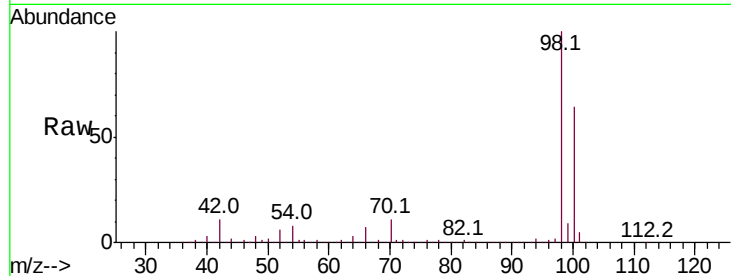




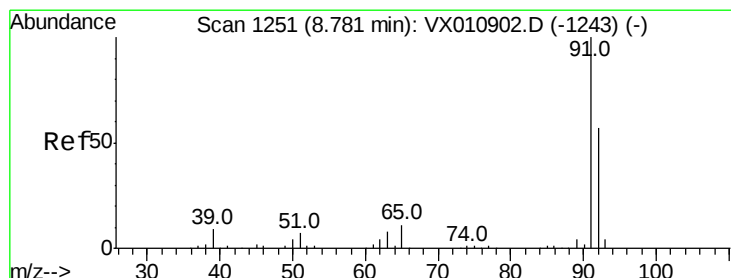
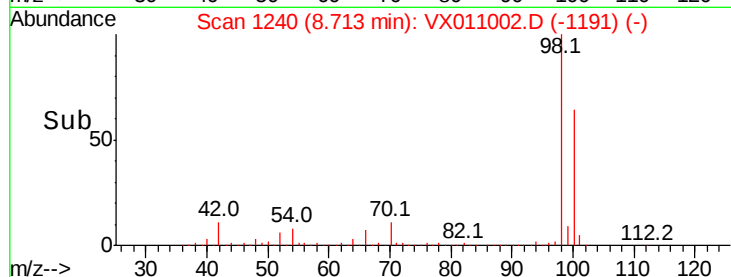
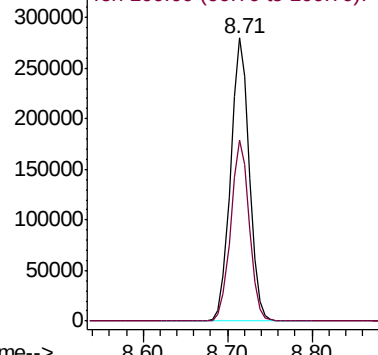
#50
Toluene-d8
Concen: 51.105 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Instrument :
MSVOA_X
ClientSampleId :
FL-0615

Tot Ion: 98 Resp: 423266
Ion Ratio Lower Upper
98 100
100 63.8 50.6 75.8

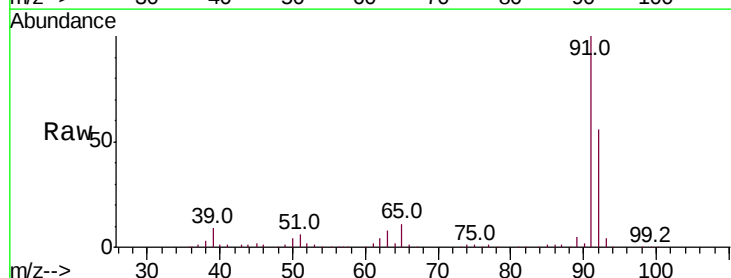


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

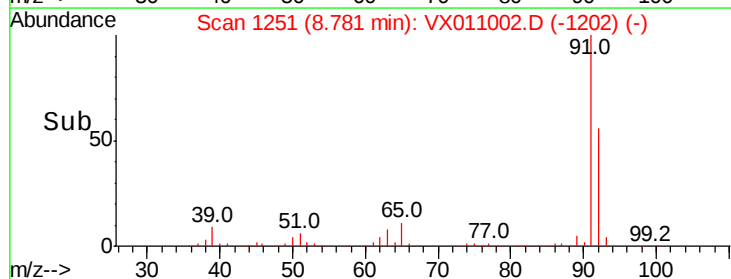
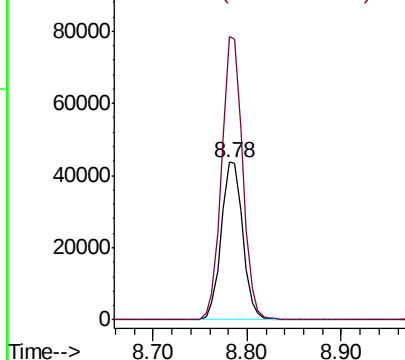


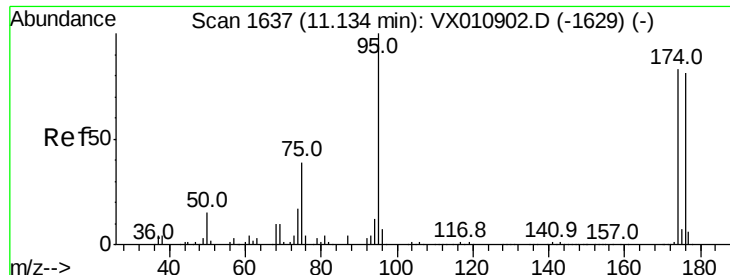
#52
Toluene
Concen: 12.109 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion: 92 Resp: 69634
Ion Ratio Lower Upper
92 100
91 174.3 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.659 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

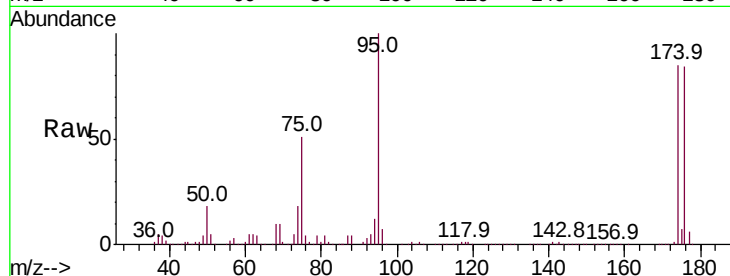
Tot Ion: 95 Resp: 154221

Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.6

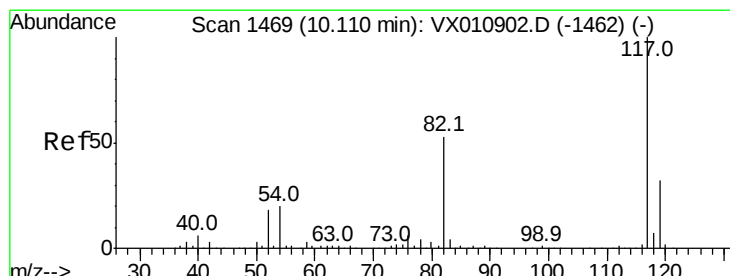
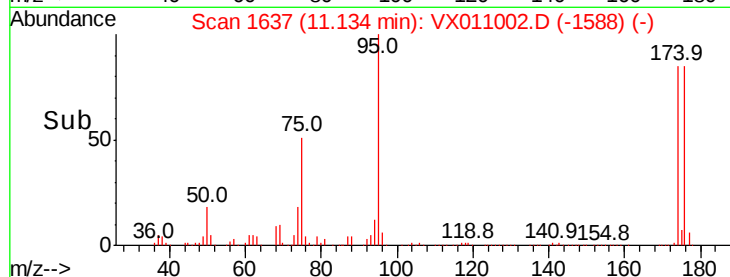
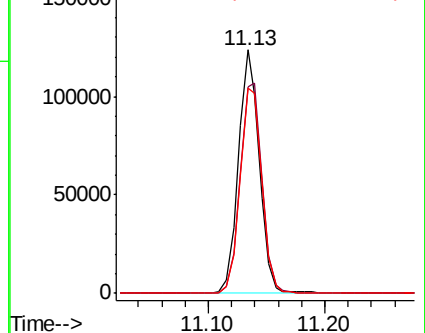
176 88.3 0.0 173.8



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: VX011002.D

Acq: 19 Jul 2019 15:04

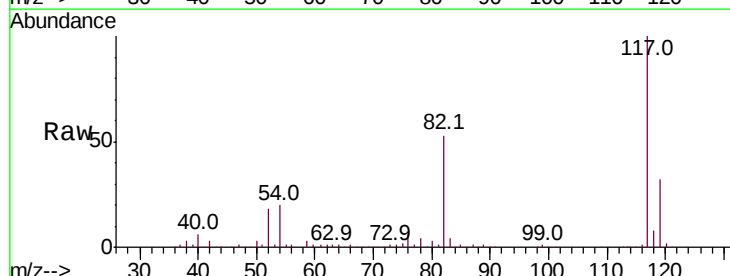
Tgt Ion: 117 Resp: 327269

Ion Ratio Lower Upper

117 100

82 53.2 42.6 63.8

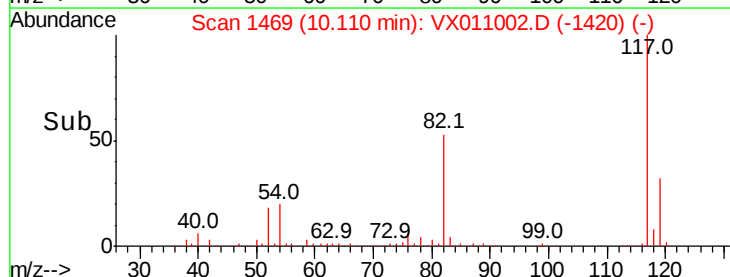
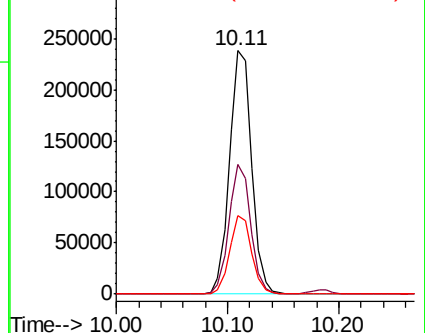
119 32.4 25.9 38.9

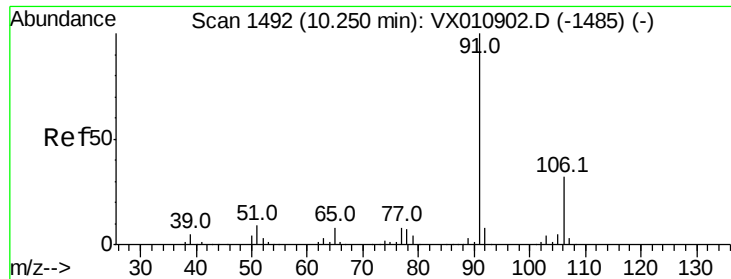


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

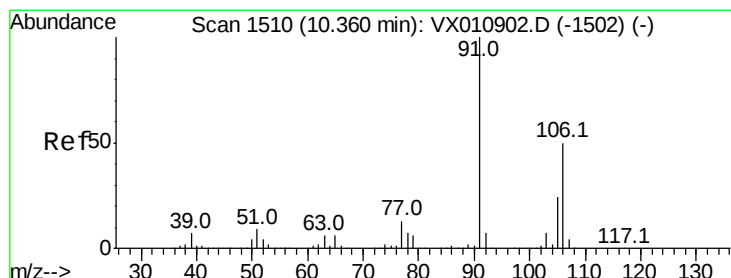
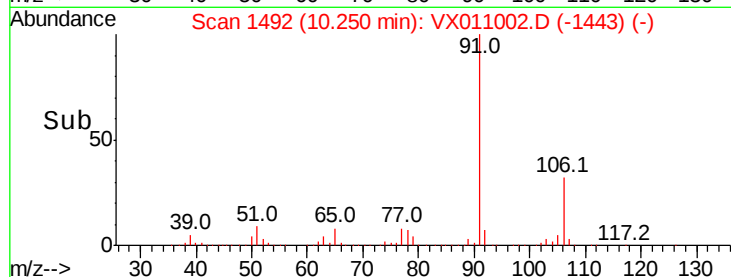
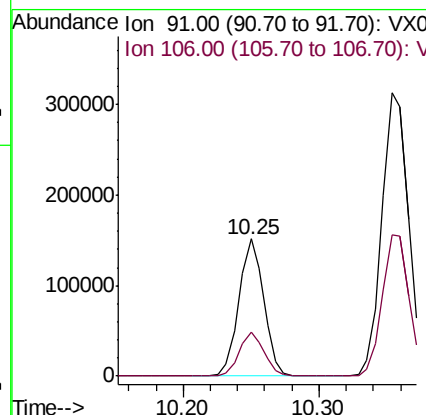
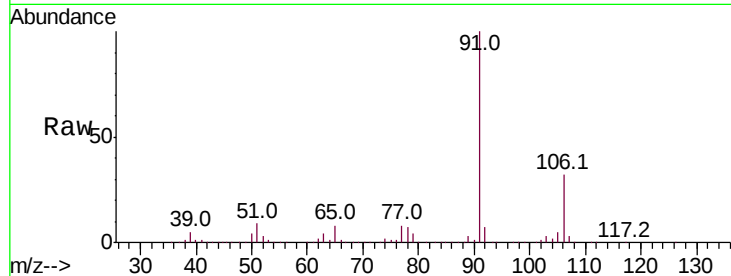




#67
Ethyl Benzene
Concen: 16.863 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

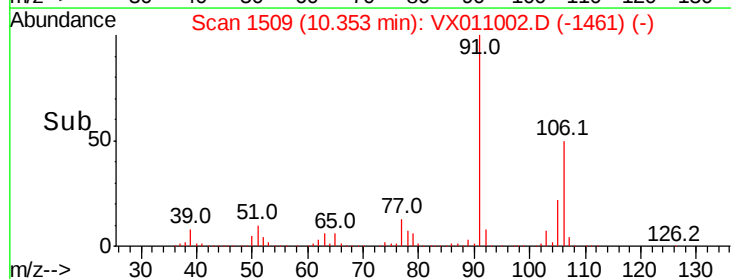
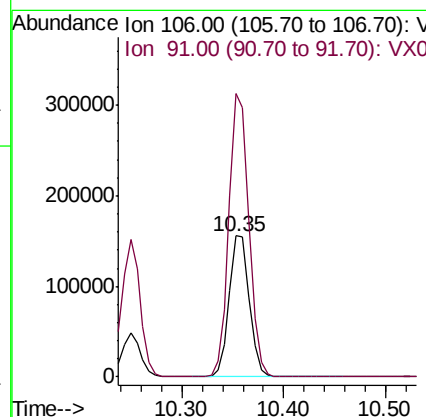
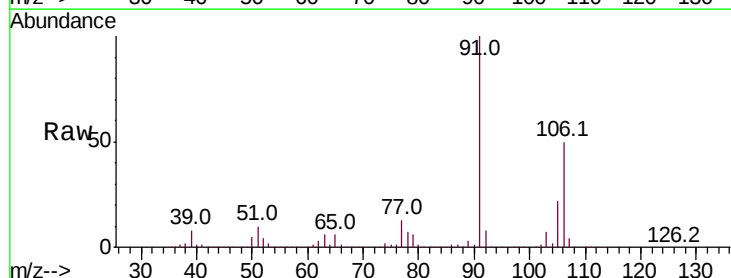
Instrument :
MSVOA_X
ClientSampleId :
FL-0615

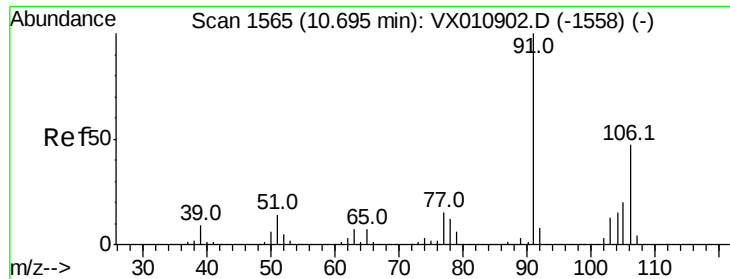
Tot Ion: 91 Resp: 192933
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2



#68
m/p-Xylenes
Concen: 48.824 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion: 106 Resp: 214279
Ion Ratio Lower Upper
106 100
91 198.6 160.1 240.1

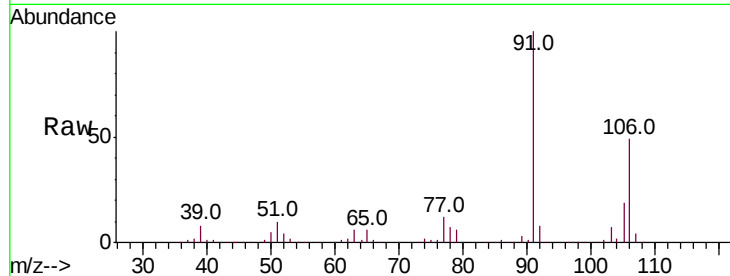




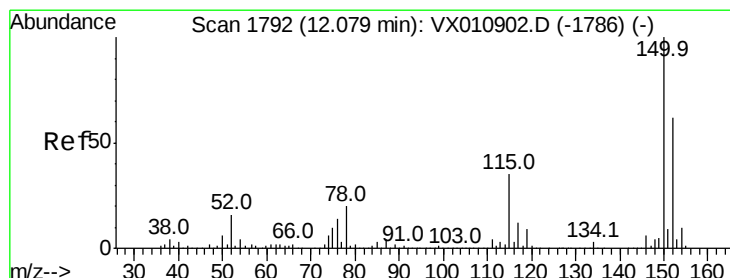
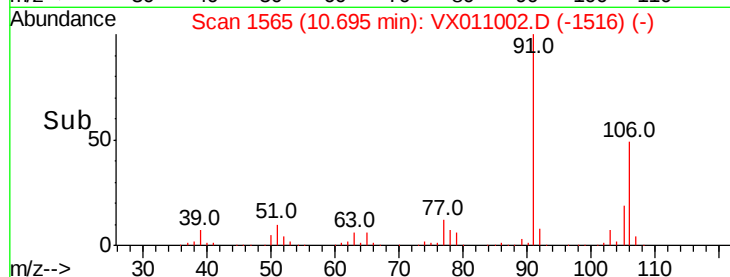
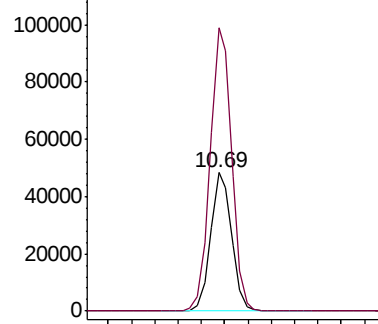
#69
o-Xylene
Concen: 14.259 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Instrument :
MSVOA_X
ClientSampled :
FL-0615

Tot Ion:106 Resp: 61077
Ion Ratio Lower Upper
106 100
91 208.2 105.1 315.3

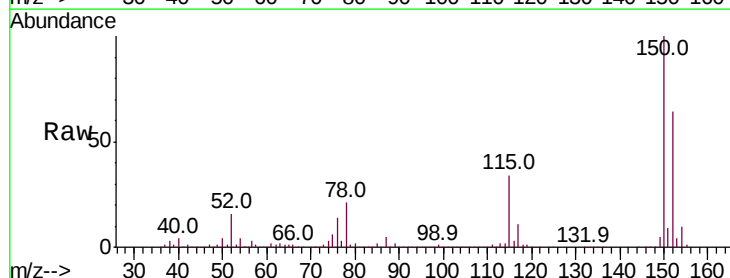


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

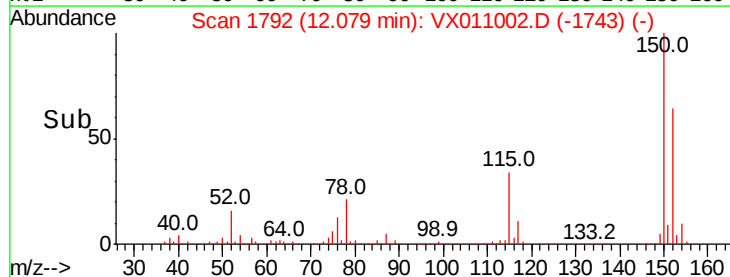
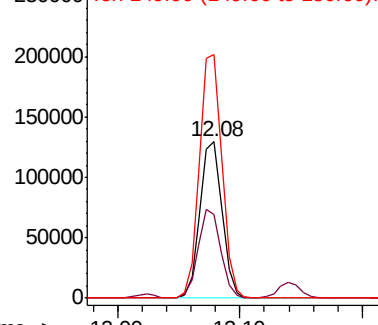


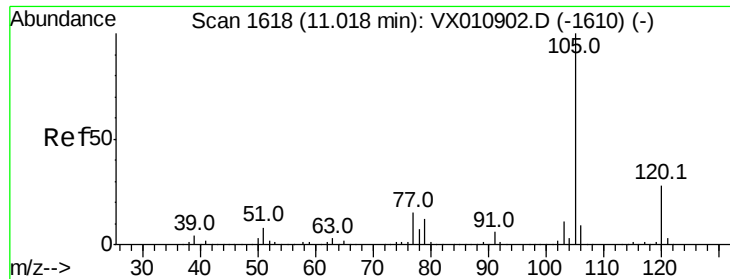
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion:152 Resp: 161889
Ion Ratio Lower Upper
152 100
115 57.6 39.7 119.1
150 157.6 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: 9.244 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

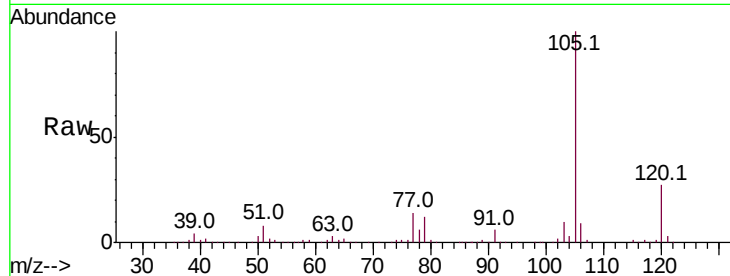
FL-0615

Tot Ion:105 Resp: 101121

Ion Ratio Lower Upper

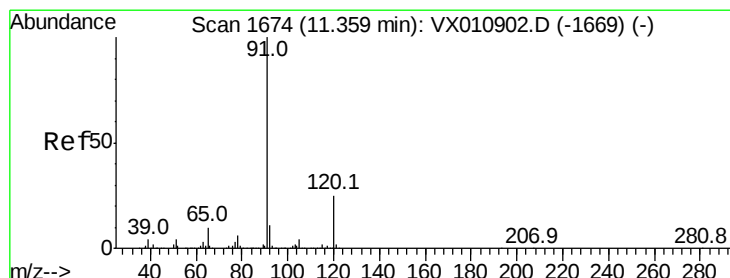
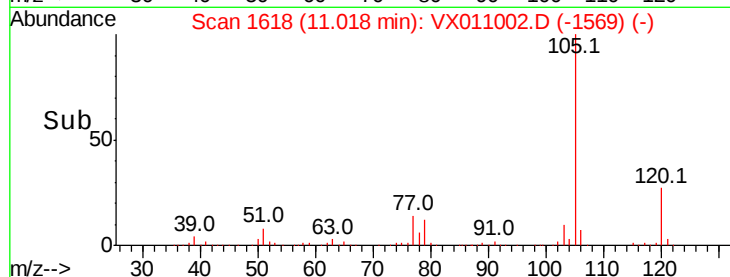
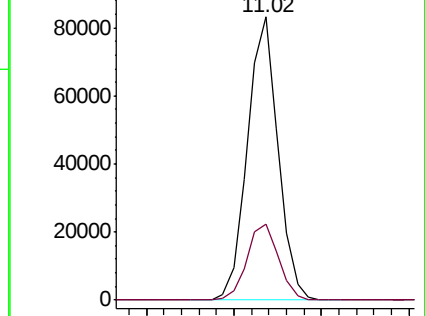
105 100

120 27.8 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: 12.893 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011002.D

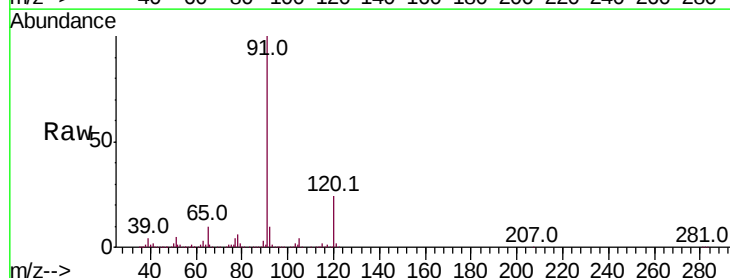
Acq: 19 Jul 2019 15:04

Tgt Ion: 91 Resp: 155831

Ion Ratio Lower Upper

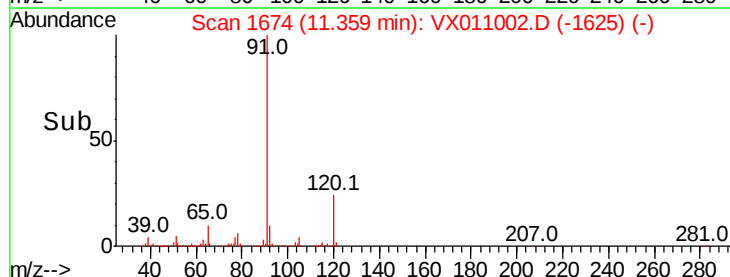
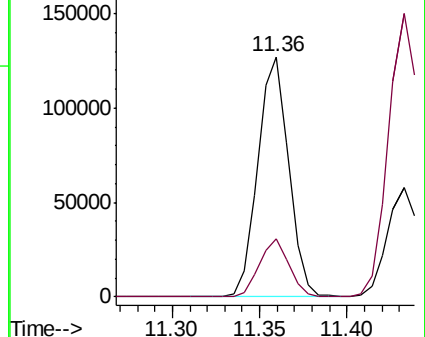
91 100

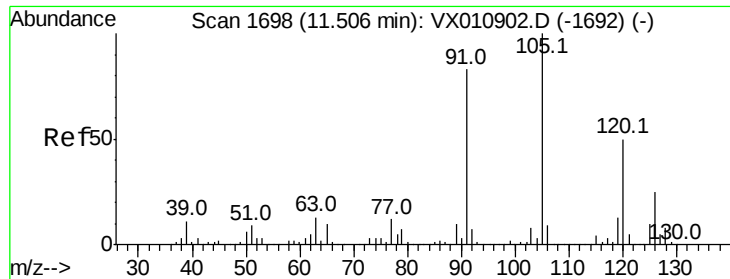
120 23.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

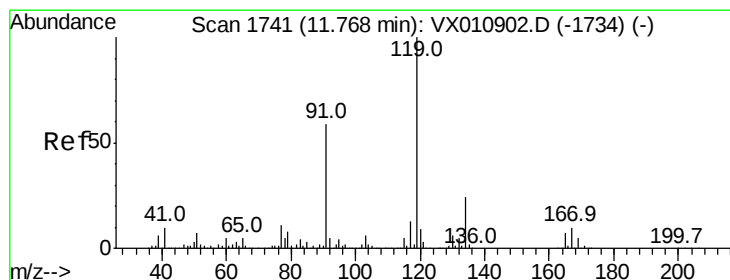
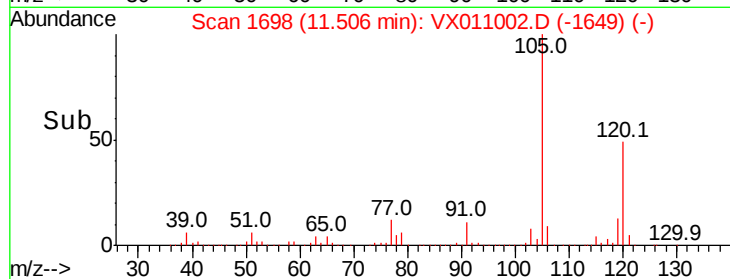
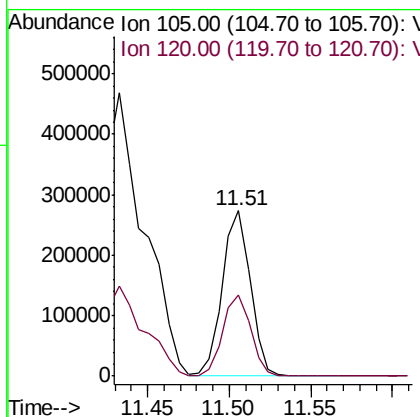
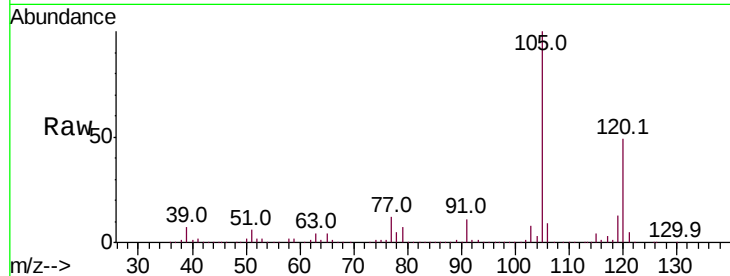




#80
1,3,5-Trimethylbenzene
Concen: 35.986 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

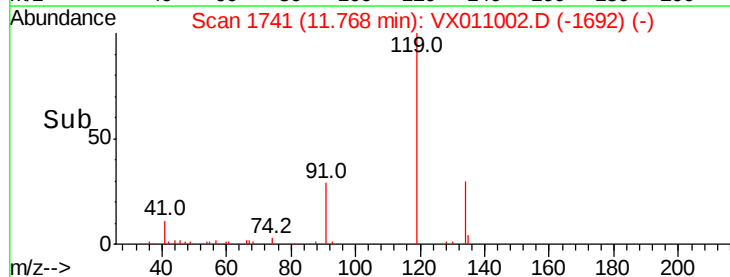
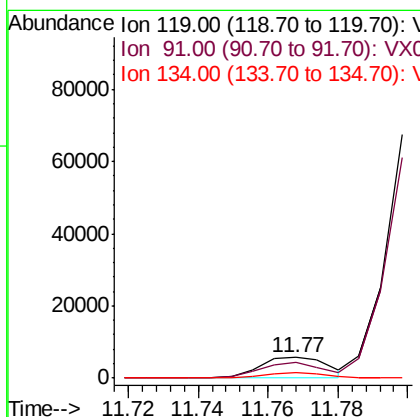
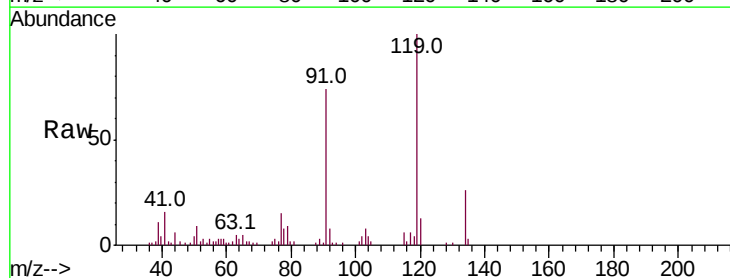
Instrument :
MSVOA_X
ClientSampled :
FL-0615

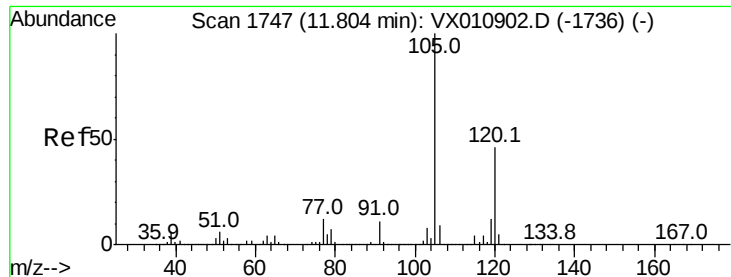
Tot Ion:105 Resp: 328932
Ion Ratio Lower Upper
105 100
120 49.2 24.6 73.8



#83
tert-Butylbenzene
Concen: 0.884 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011002.D
Acq: 19 Jul 2019 15:04

Tgt Ion:119 Resp: 7935
Ion Ratio Lower Upper
119 100
91 68.2 28.6 85.8
134 24.9 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 104.498 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

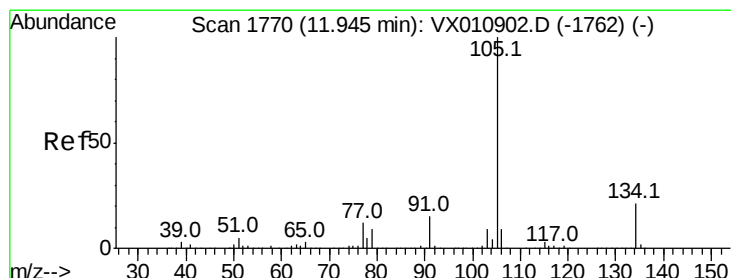
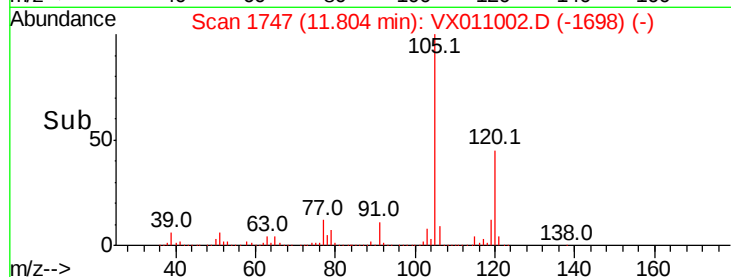
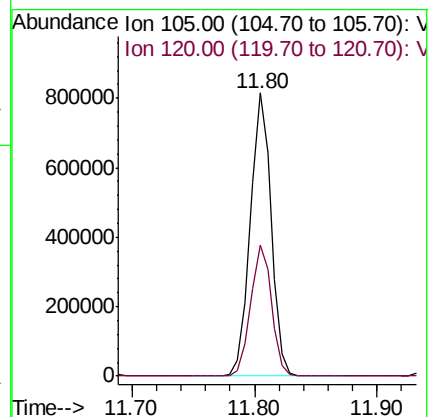
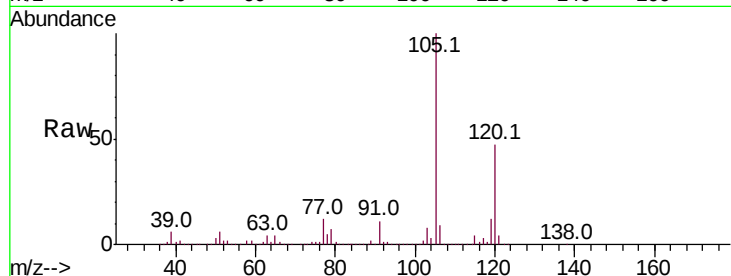
FL-0615

Tot Ion:105 Resp: 962704

Ion Ratio Lower Upper

105 100

120 46.7 22.9 68.5



#85

sec-Butylbenzene

Concen: 2.879 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011002.D

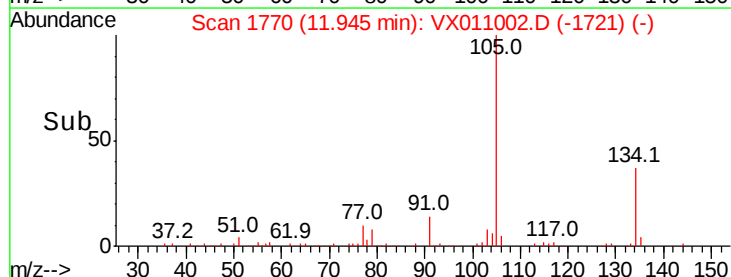
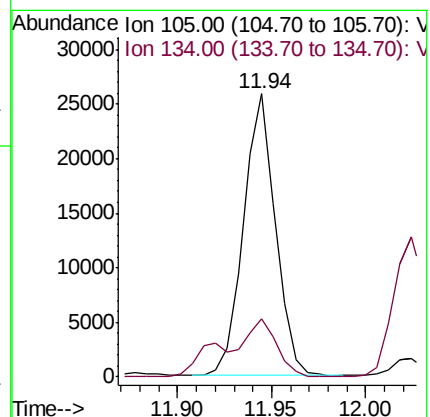
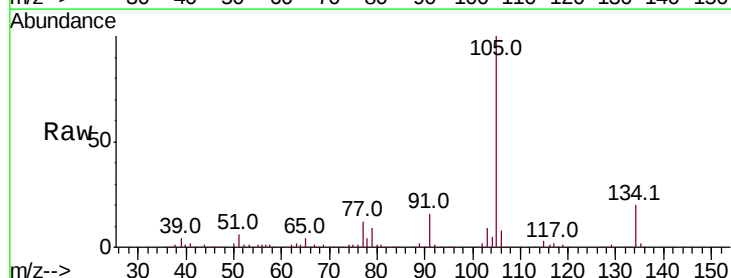
Acq: 19 Jul 2019 15:04

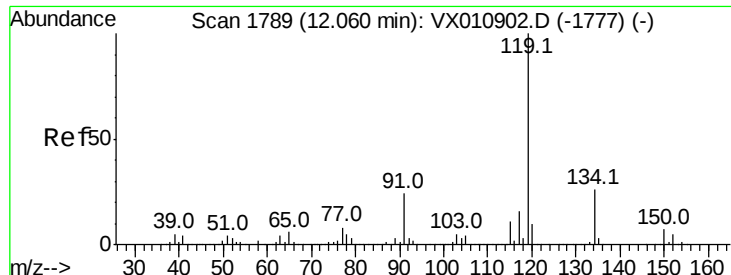
Tgt Ion:105 Resp: 30283

Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.4





#86

p-Isopropyltoluene

Concen: 3.359 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

FL-0615

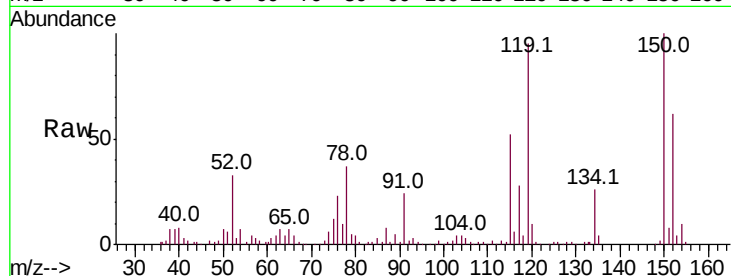
Tot Ion:119 Resp: 32665

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

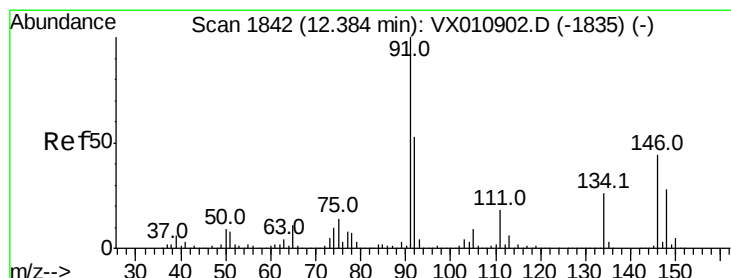
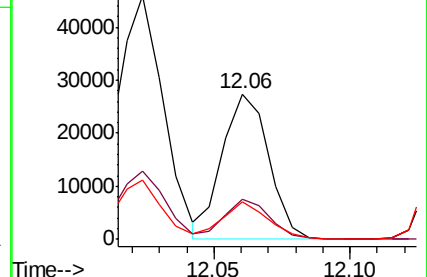
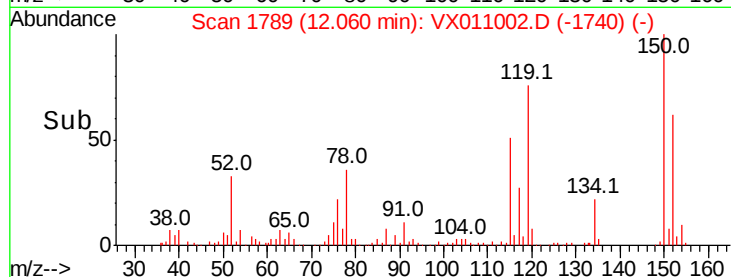
91 24.7 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0



#89

n-Butylbenzene

Concen: 5.287 ug/l

RT: 12.38 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

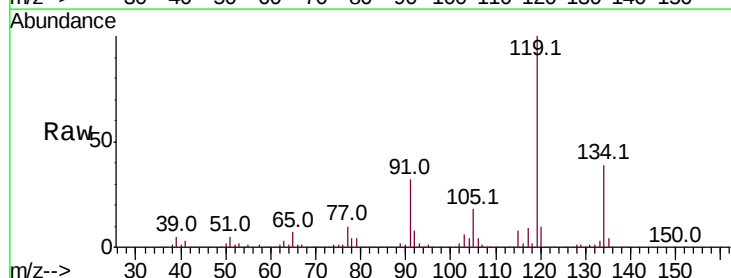
Tgt Ion: 91 Resp: 43989

Ion Ratio Lower Upper

91 100

92 29.6 26.2 78.5

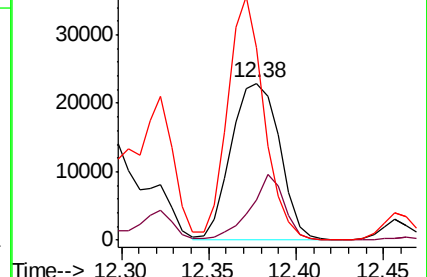
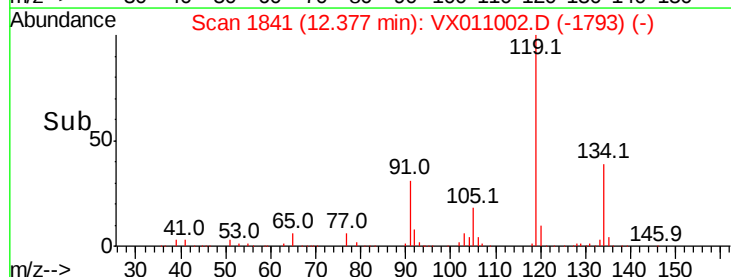
134 115.4 13.8 41.3#

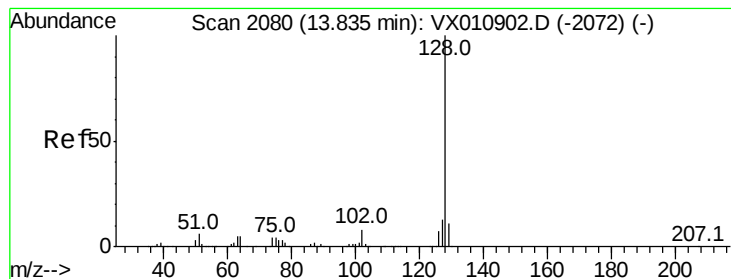


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 12.099 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011002.D

Acq: 19 Jul 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FL-0615

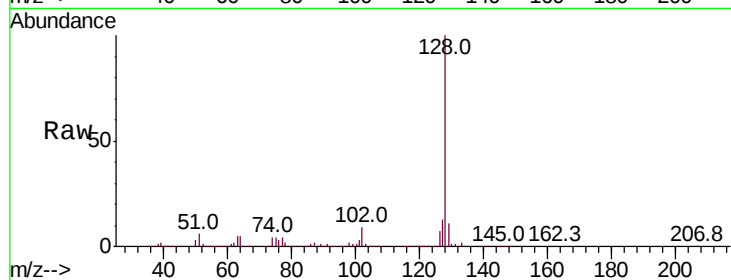
Tot Ion:128 Resp: 125653

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 12.5 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

