

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042120\
 Data File : VY002450.D
 Acq On : 21 Apr 2020 21:38
 Operator : SY/MD
 Sample : L2351-01
 Misc : 6.20G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17-(1-2)

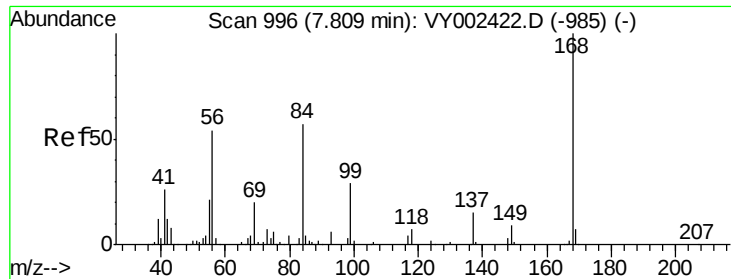
Quant Time: Apr 22 09:10:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 15:14:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	207876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	353825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	289819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117382	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	107948	71.40	ug/l	0.01
Spiked Amount			Recovery	=	142.80%	
35) Dibromofluoromethane	7.74	113	597	0.32	ug/l	0.00
Spiked Amount			Recovery	=	0.64%	
50) Toluene-d8	10.19	98	432998	57.52	ug/l	0.00
Spiked Amount			Recovery	=	115.04%	
62) 4-Bromofluorobenzene	12.49	95	127157	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	30652	75.866	ug/l	97
17) Carbon Disulfide	4.22	76	25304	4.207	ug/l	98
25) 2-Butanone	7.02	43	7512	13.044	ug/l	95
40) Benzene	8.18	78	33973	3.877	ug/l	99
52) Toluene	10.25	92	11860	2.139	ug/l	99
68) m/p-Xylenes	11.71	106	8458	2.276	ug/l	95
69) o-Xylene	12.04	106	4738	1.353	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	7096	1.117	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	21086	3.314	ug/l	99
95) Naphthalene	15.25	128	111084	24.208	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002450.D

Acq: 21 Apr 2020 21:38

Instrument :

MSVOA_Y

ClientSampleId :

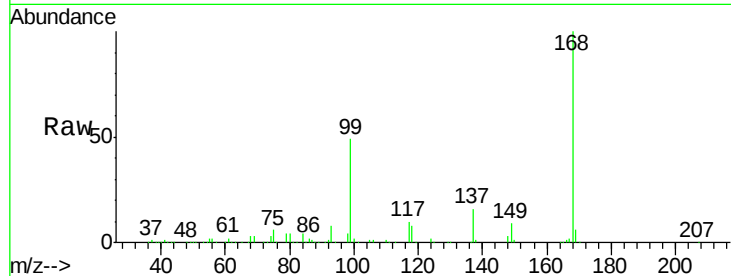
TP-17-(1-2)

Tot Ion:168 Resp: 207876

Ion Ratio Lower Upper

168 100

99 49.0 37.0 55.4



Abundance Ion 167.90 (167.60 to 168.60): VY002422.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002422.D (-985) (-)

7.82

100000

80000

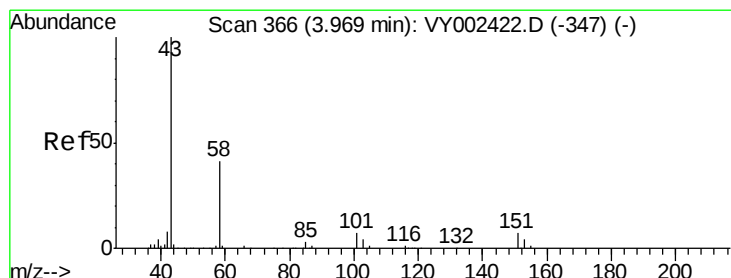
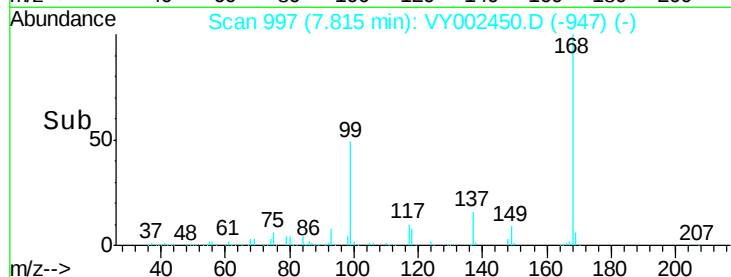
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 75.866 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002450.D

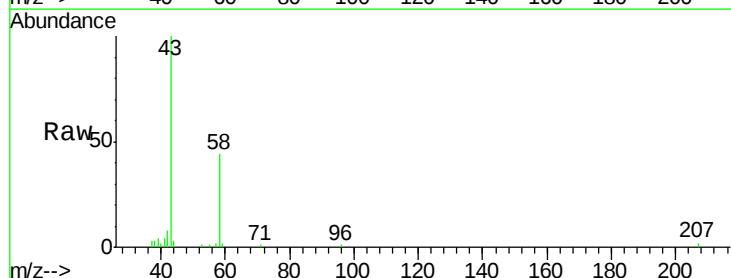
Acq: 21 Apr 2020 21:38

Tgt Ion: 43 Resp: 30652

Ion Ratio Lower Upper

43 100

58 42.8 32.6 48.8



Abundance Ion 43.00 (42.70 to 43.70): VY002422.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002422.D (-347) (-)

3.97

12000

10000

8000

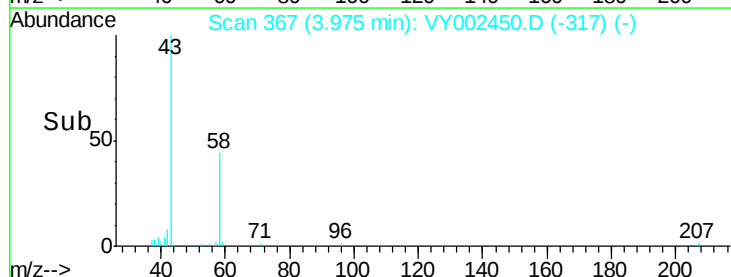
6000

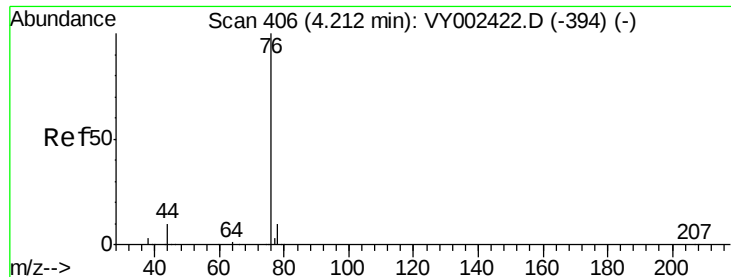
4000

2000

0

Time-->

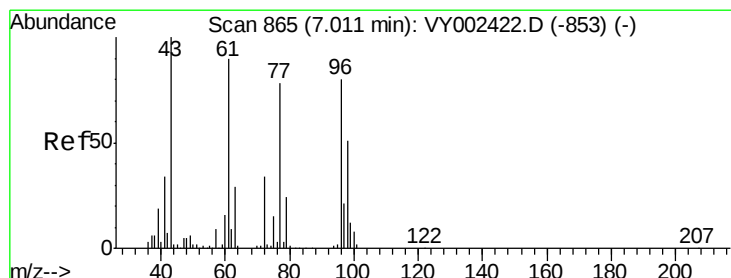
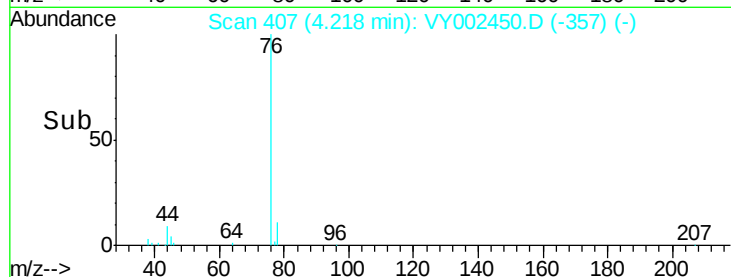
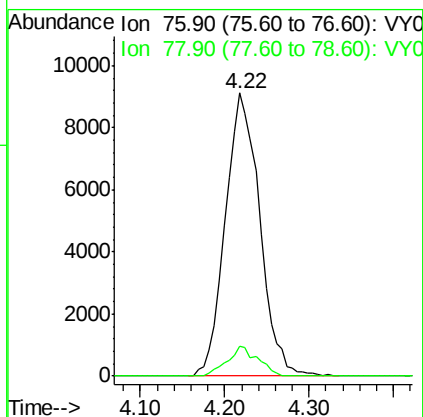
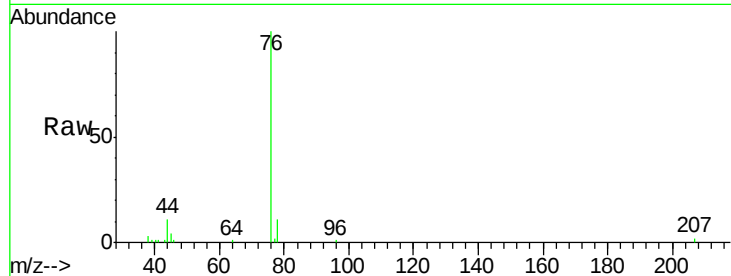




#17
Carbon Disulfide
Concen: 4.207 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002450.D
Acq: 21 Apr 2020 21:38

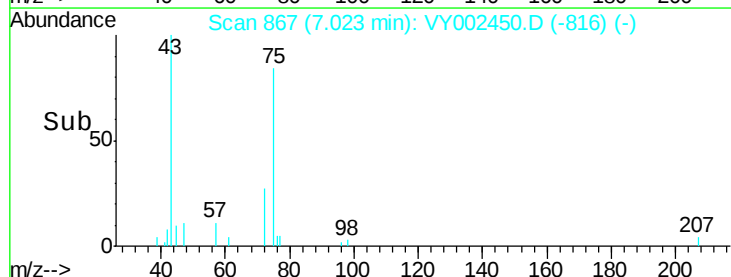
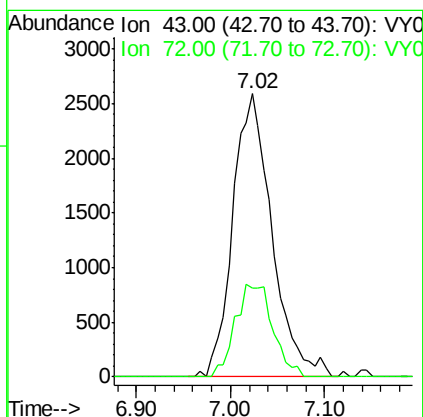
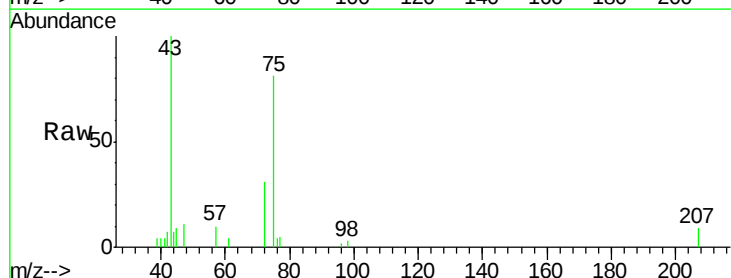
Instrument :
MSVOA_Y
ClientSampleId :
TP-17-(1-2)

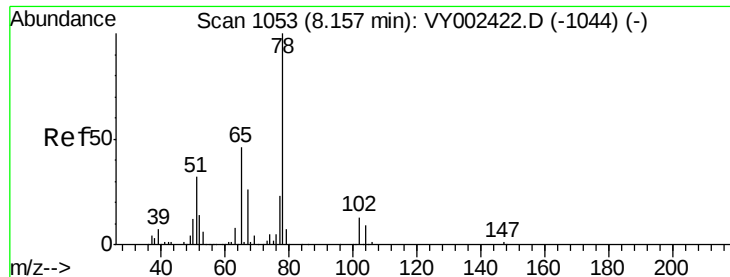
Tot Ion: 76 Resp: 25304
Ion Ratio Lower Upper
76 100
78 10.6 7.8 11.6



#25
2-Butanone
Concen: 13.044 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY002450.D
Acq: 21 Apr 2020 21:38

Tgt Ion: 43 Resp: 7512
Ion Ratio Lower Upper
43 100
72 31.2 27.0 40.6

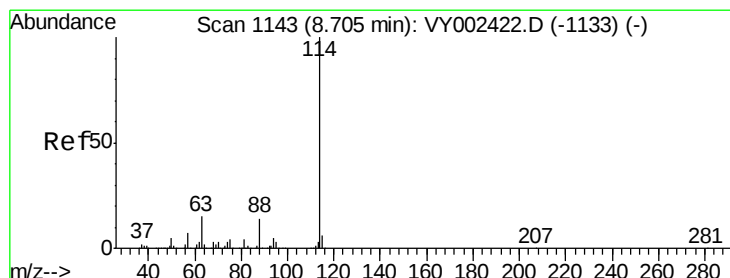
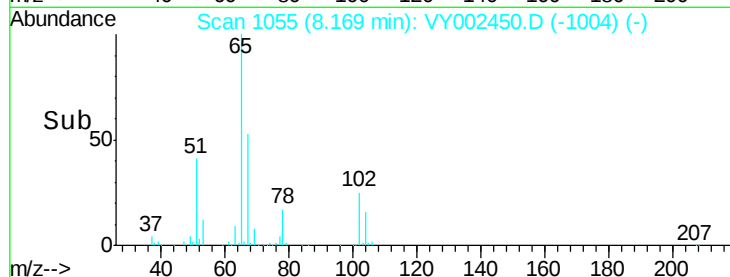
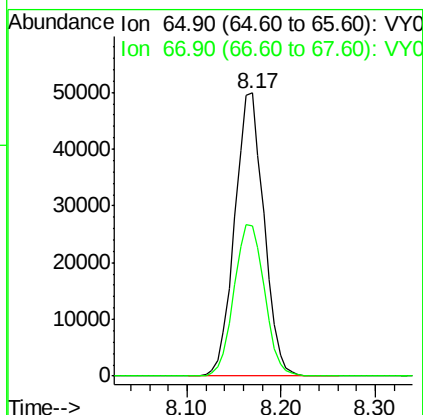
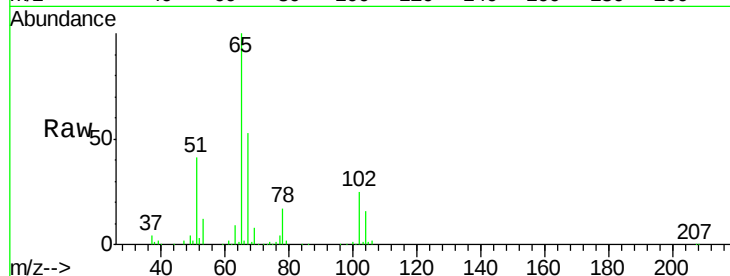




#33
 1,2-Dichloroethane-d4
 Concen: 71.399 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002450.D
 Acq: 21 Apr 2020 21:38

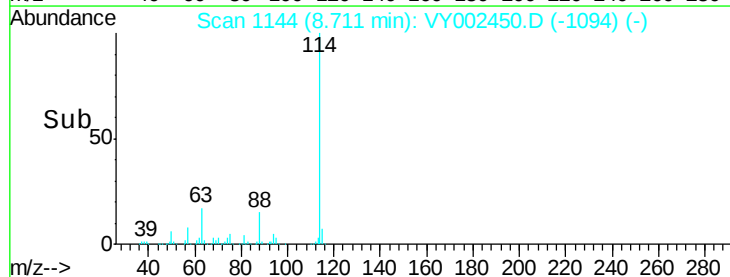
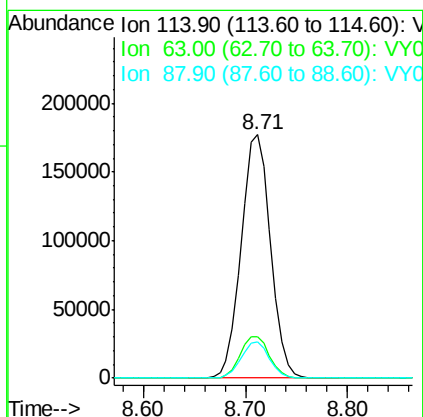
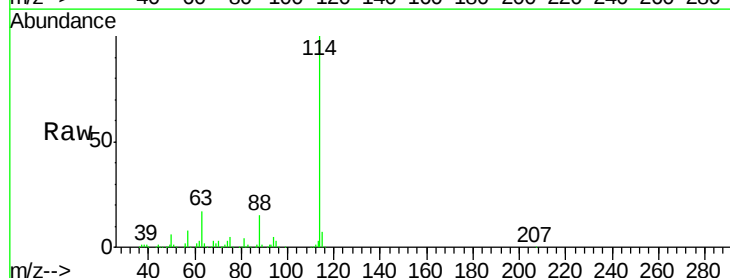
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-17-(1-2)

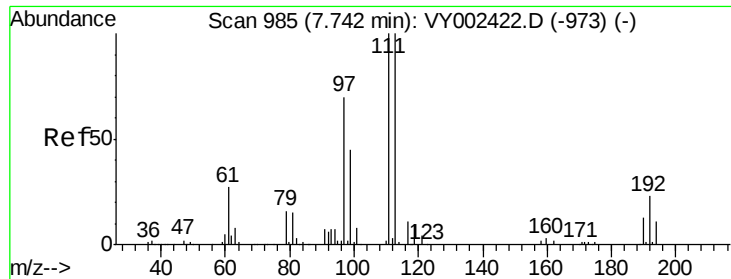
Tot Ion: 65 Resp: 107948
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002450.D
 Acq: 21 Apr 2020 21:38

Tgt Ion: 114 Resp: 353825
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 31.0
 88 15.1 0.0 28.2

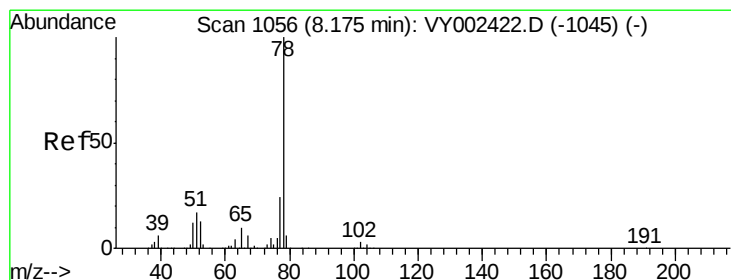
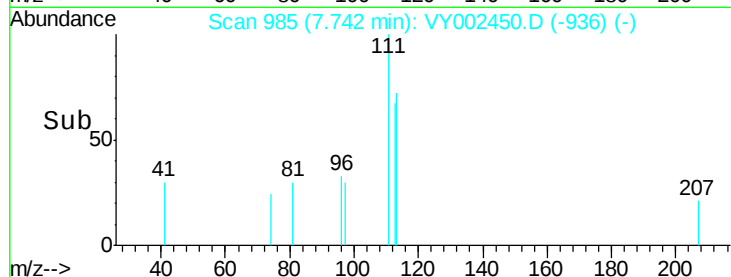
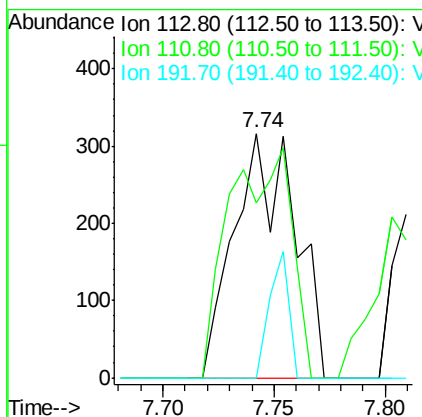
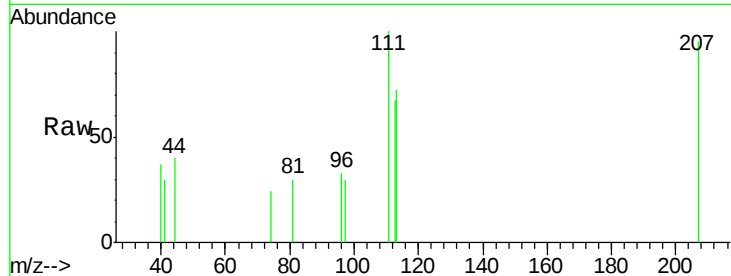




#35
 Dibromofluoromethane
 Concen: 0.321 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VY002450.D
 Acq: 21 Apr 2020 21:38

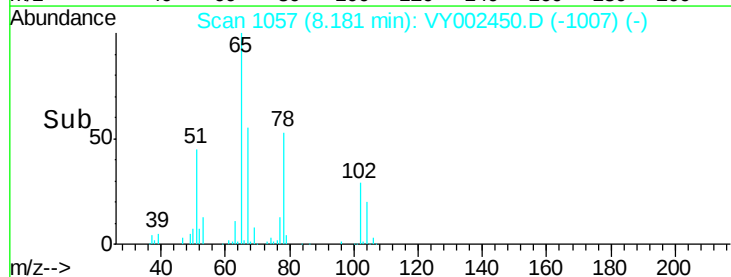
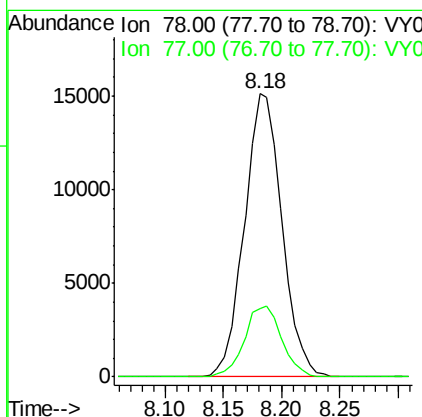
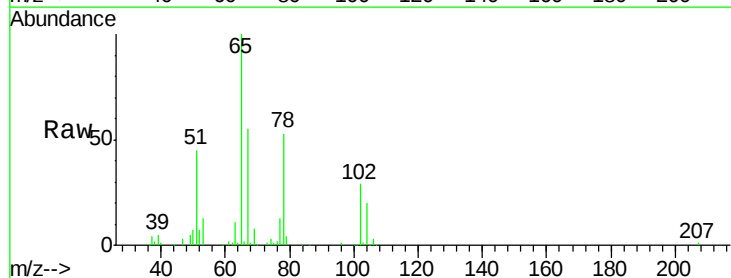
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17-(1-2)

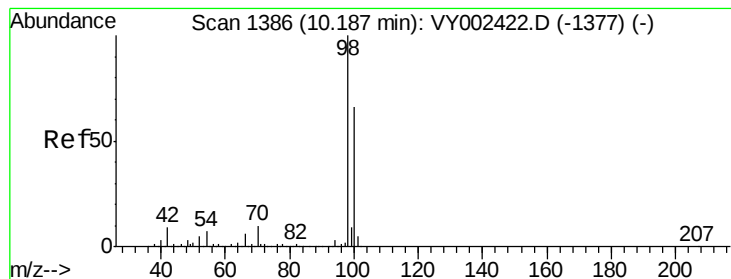
Tot Ion:113 Resp: 597
 Ion Ratio Lower Upper
 113 100
 111 53.6 81.7 122.5#
 192 16.6 17.8 26.6#



#40
 Benzene
 Concen: 3.877 ug/l
 RT: 8.18 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VY002450.D
 Acq: 21 Apr 2020 21:38

Tgt Ion: 78 Resp: 33973
 Ion Ratio Lower Upper
 78 100
 77 24.1 19.0 28.4





#50

Toluene-d8

Concen: 57.524 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002450.D

Acq: 21 Apr 2020 21:38

Instrument :

MSVOA_Y

ClientSampleId :

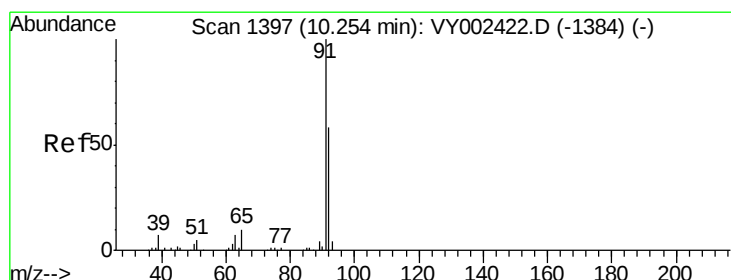
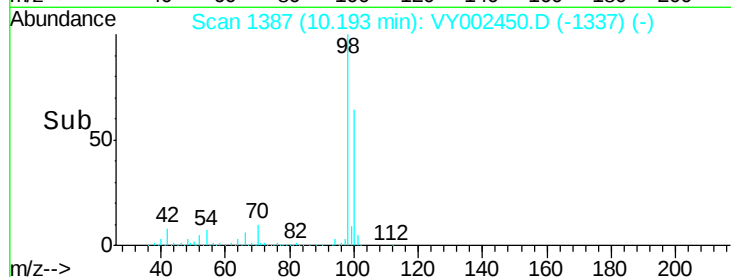
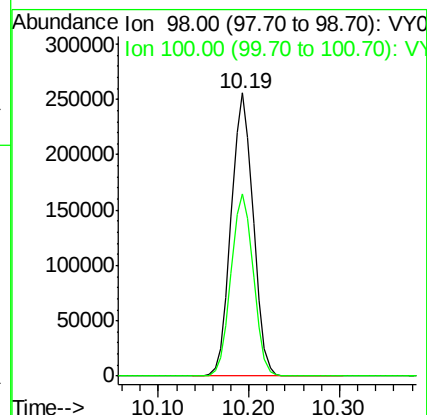
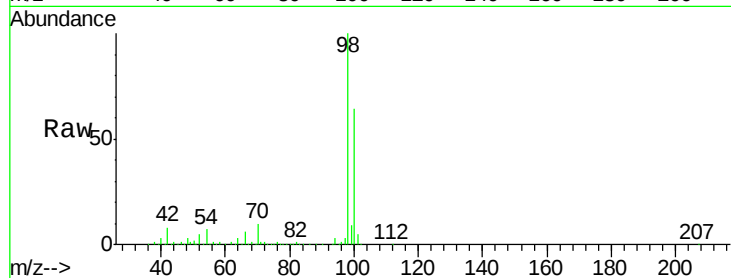
TP-17-(1-2)

Tot Ion: 98 Resp: 432998

Ion Ratio Lower Upper

98 100

100 65.1 51.6 77.4



#52

Toluene

Concen: 2.139 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002450.D

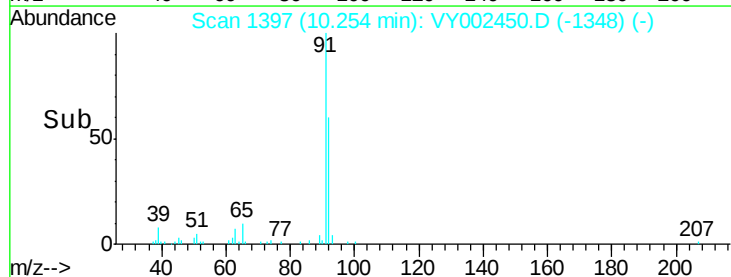
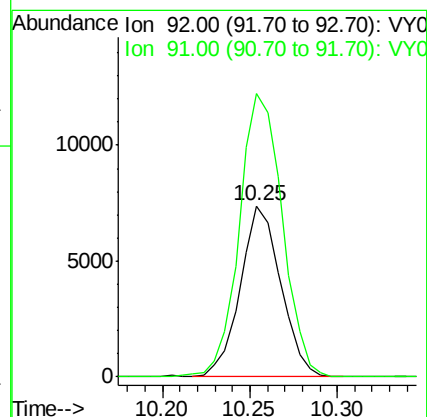
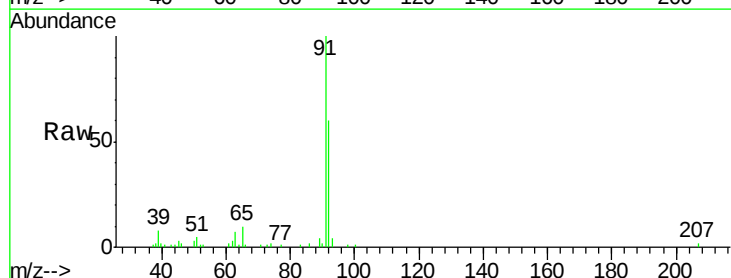
Acq: 21 Apr 2020 21:38

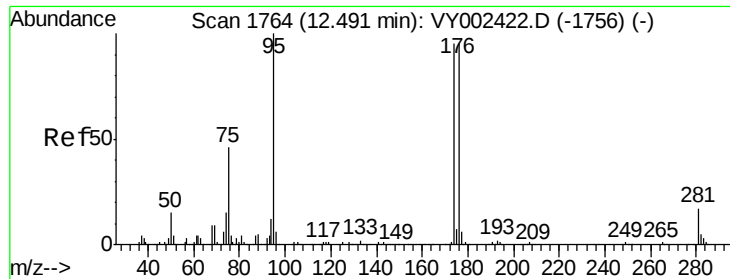
Tgt Ion: 92 Resp: 11860

Ion Ratio Lower Upper

92 100

91 175.9 139.3 208.9





#62

4-Bromofluorobenzene

Concen: 51.166 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002450.D

Acq: 21 Apr 2020 21:38

Instrument :

MSVOA_Y

ClientSampled :

TP-17-(1-2)

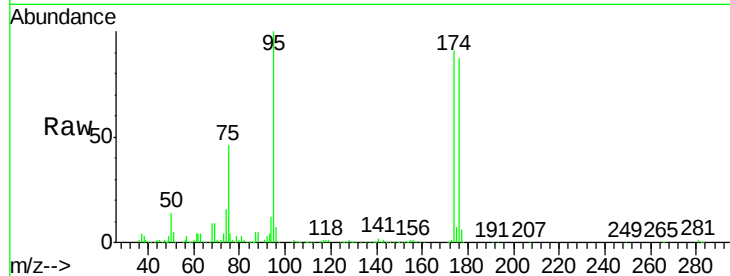
Tot Ion: 95 Resp: 127157

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.8

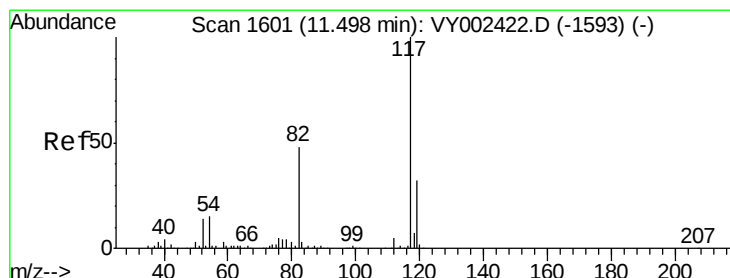
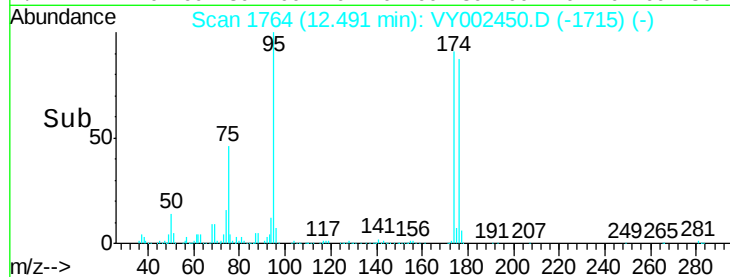
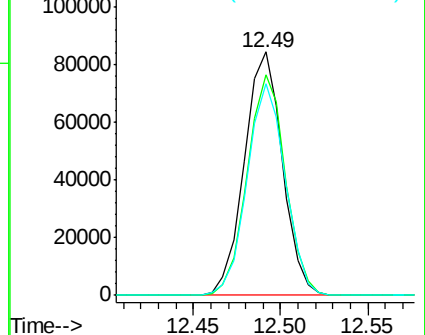
176 87.3 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VY002450.D

Acq: 21 Apr 2020 21:38

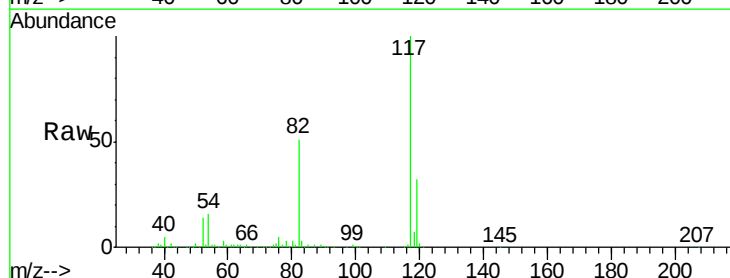
Tgt Ion: 117 Resp: 289819

Ion Ratio Lower Upper

117 100

82 50.6 38.4 57.6

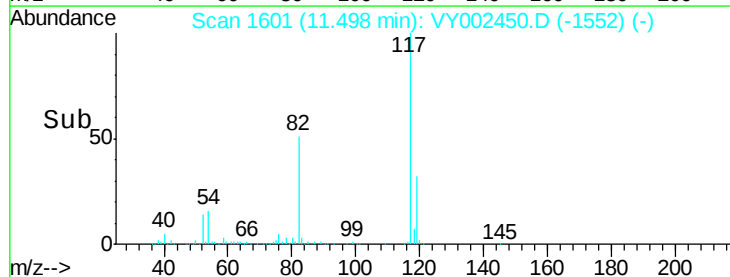
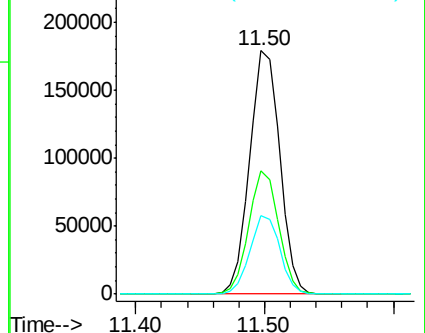
119 32.2 25.3 37.9

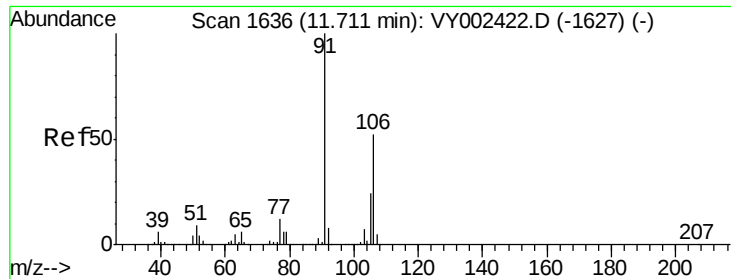


Abundance Ion 116.90 (116.60 to 117.60): VY0

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0

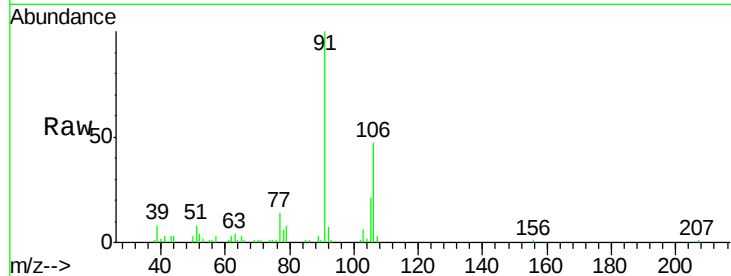




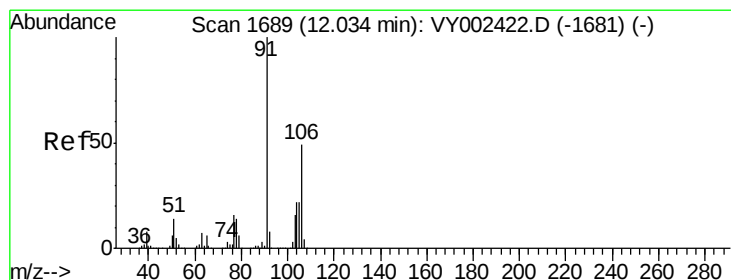
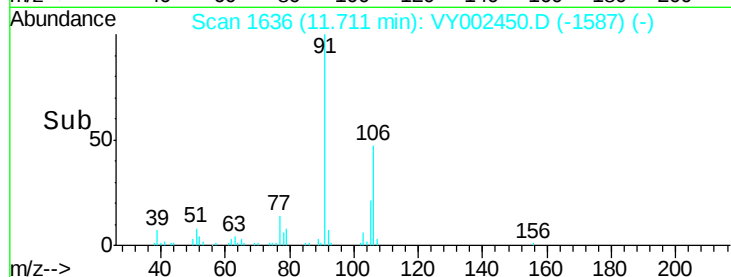
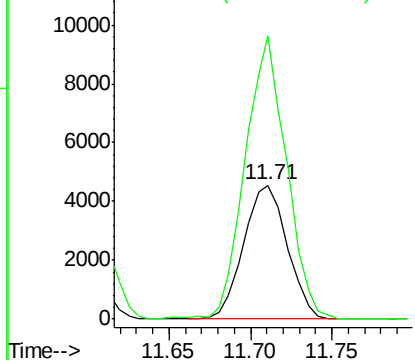
#68
m/p-Xylenes
Concen: 2.276 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY002450.D
Acq: 21 Apr 2020 21:38

Instrument :
MSVOA_Y
ClientSampled :
TP-17-(1-2)

Tot Ion:106 Resp: 8458
Ion Ratio Lower Upper
106 100
91 199.5 153.6 230.4

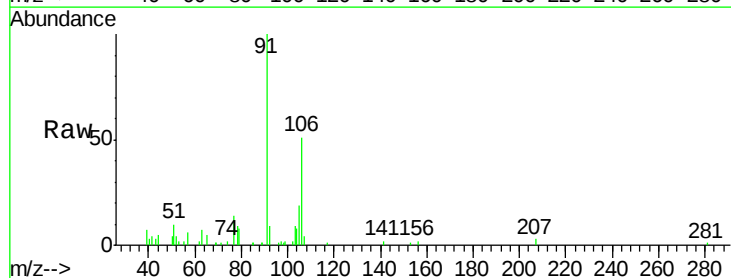


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

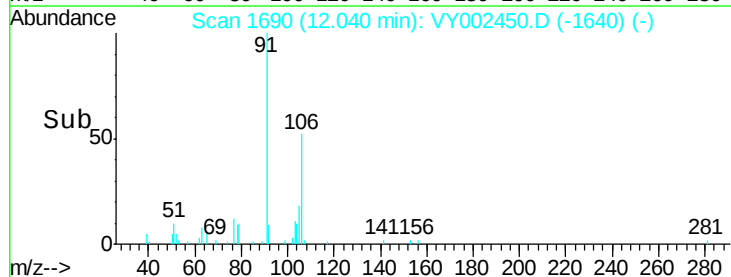
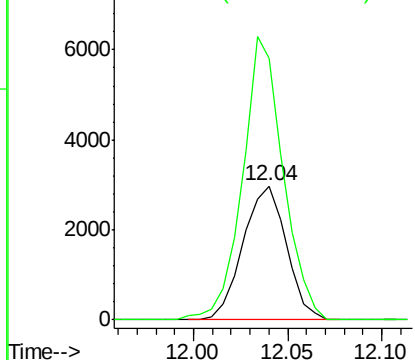


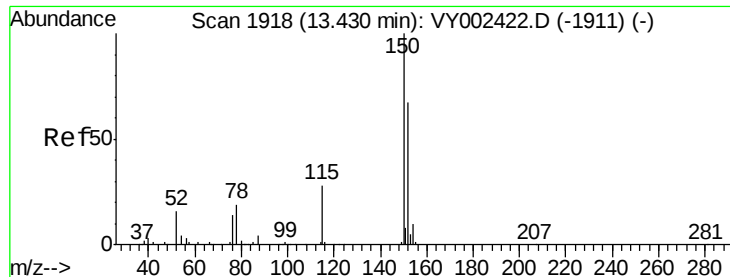
#69
o-Xylene
Concen: 1.353 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002450.D
Acq: 21 Apr 2020 21:38

Tgt Ion:106 Resp: 4738
Ion Ratio Lower Upper
106 100
91 198.1 100.4 301.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002450.D

Acq: 21 Apr 2020 21:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-17-(1-2)

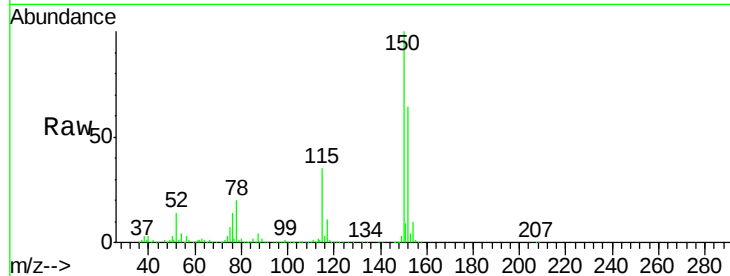
Tot Ion:152 Resp: 117382

Ion Ratio Lower Upper

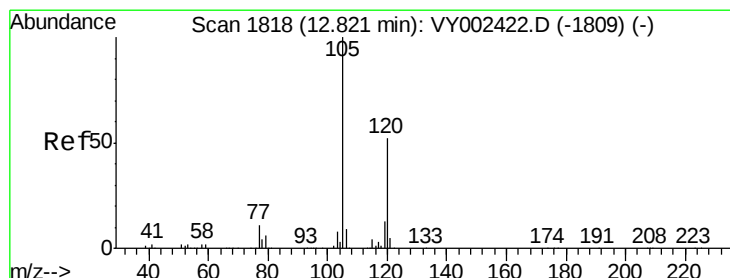
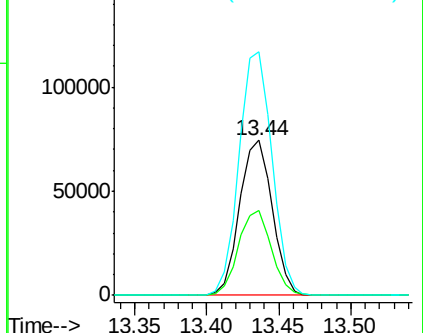
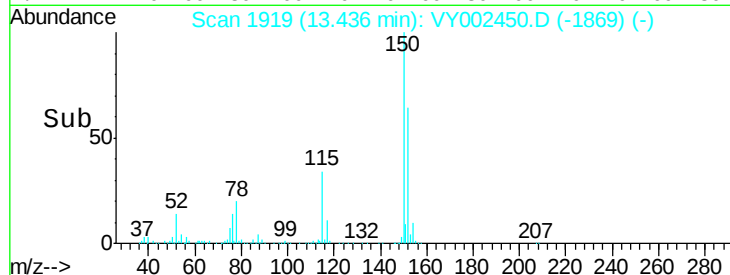
152 100

115 56.2 27.3 81.8

150 158.3 0.0 344.0



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



#80

1,3,5-Trimethylbenzene

Concen: 1.117 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002450.D

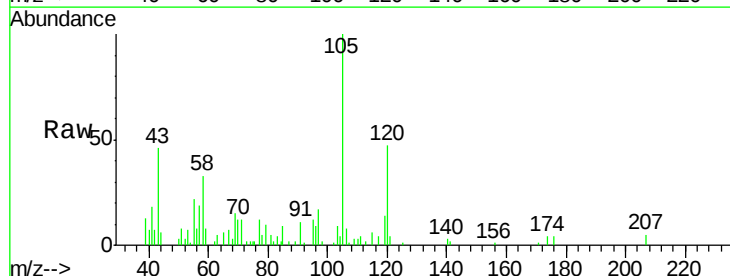
Acq: 21 Apr 2020 21:38

Tgt Ion:105 Resp: 7096

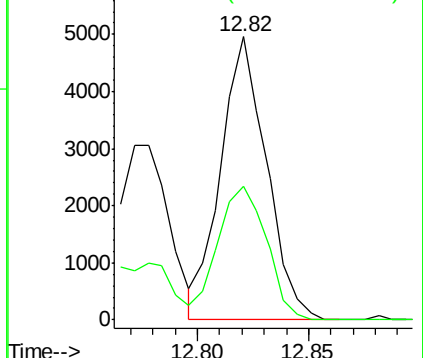
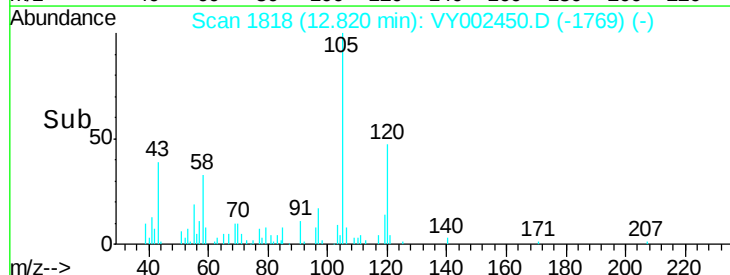
Ion Ratio Lower Upper

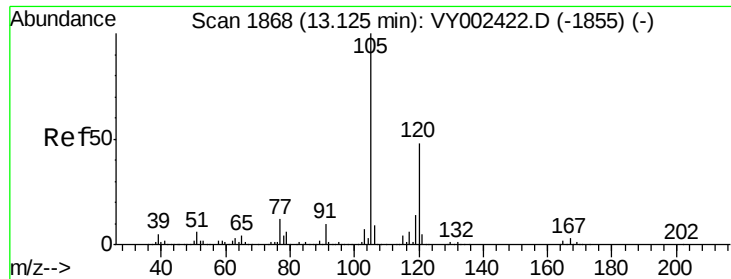
105 100

120 50.2 25.9 77.6



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

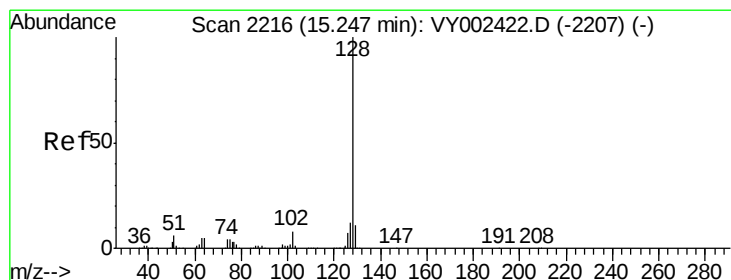
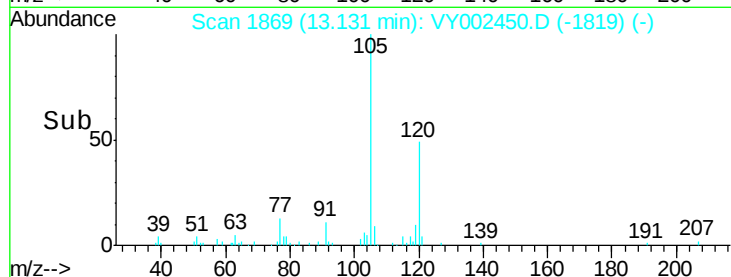
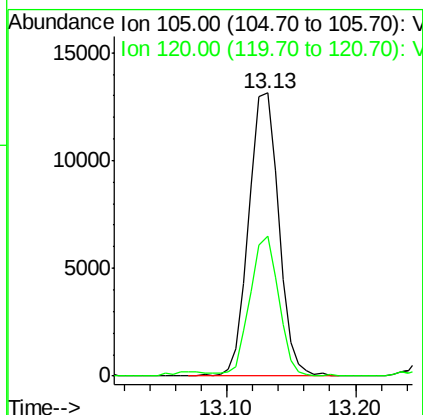
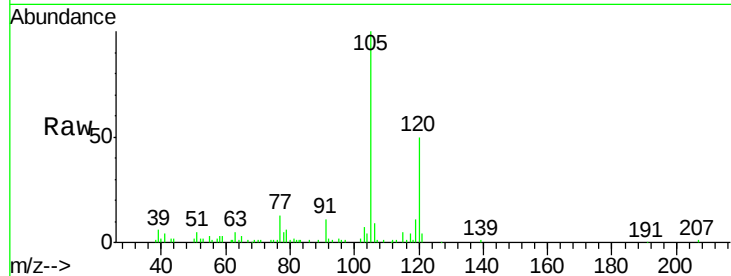




#84
 1,2,4-Trimethylbenzene
 Concen: 3.314 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002450.D
 Acq: 21 Apr 2020 21:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17-(1-2)

Tot Ion:105 Resp: 21086
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.9 71.7



#95
 Naphthalene
 Concen: 24.208 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: VY002450.D
 Acq: 21 Apr 2020 21:38

Tgt Ion:128 Resp: 111084
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.2 15.2
 129 11.0 9.0 13.6

