

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002464.D
 Acq On : 23 Apr 2020 17:02
 Operator : SY/MD
 Sample : L2351-01
 Misc : 6.75G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Apr 24 02:08:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

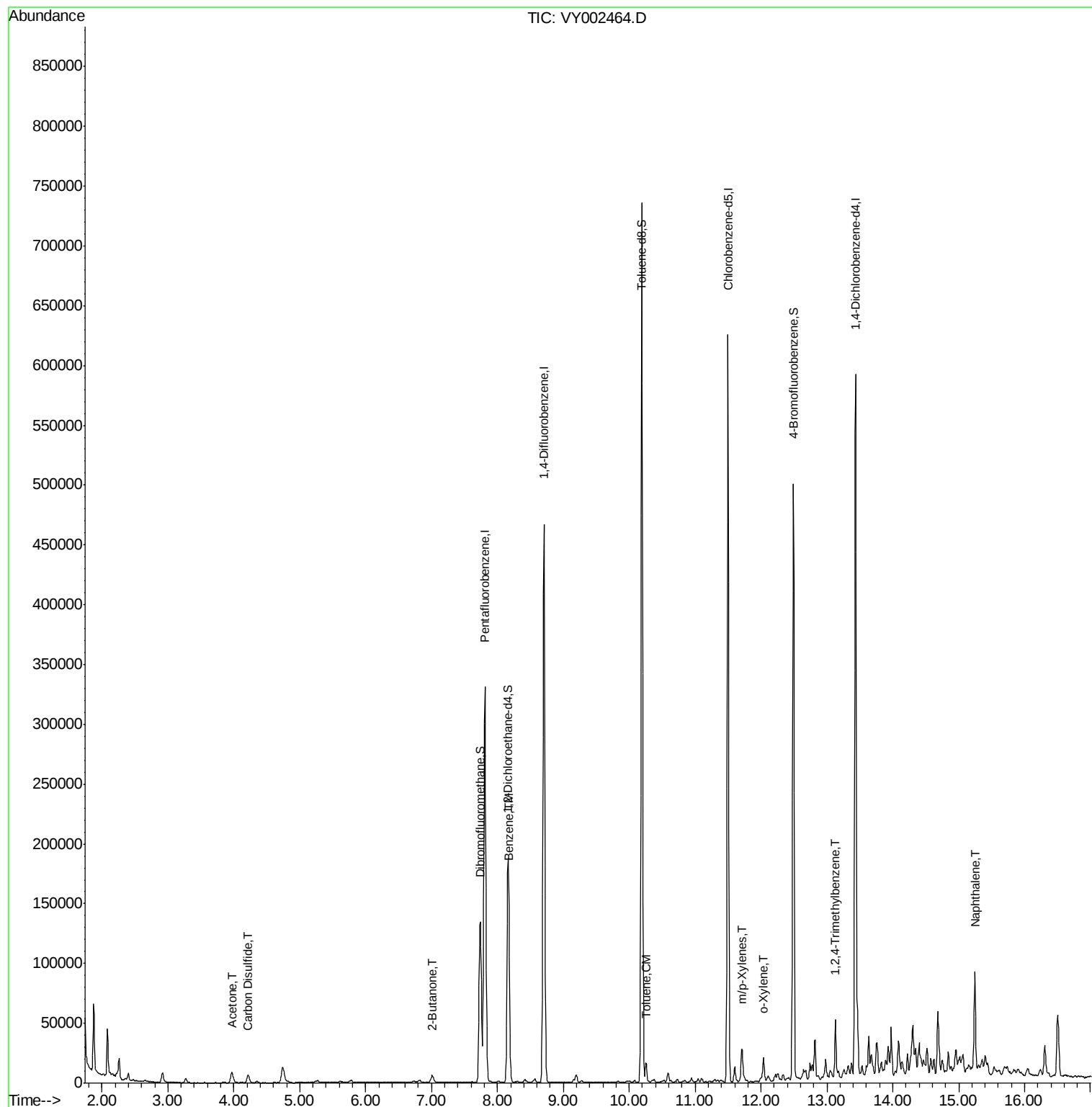
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	272687	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	419110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	361154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	156951	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	134789	56.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.10%	
35) Dibromofluoromethane	7.74	113	94475	39.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.92%	
50) Toluene-d8	10.19	98	489429	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.49	95	143156	44.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.80%	
Target Compounds						
					Qvalue	
16) Acetone	3.97	43	15736	31.593	ug/l	100
17) Carbon Disulfide	4.22	76	13648	1.875	ug/l	98
25) 2-Butanone	7.01	43	7266	9.522	ug/l	99
40) Benzene	8.18	78	38698	3.726	ug/l	99
52) Toluene	10.25	92	6962	1.041	ug/l	100
68) m/p-Xylenes	11.71	106	9424	1.973	ug/l	90
69) o-Xylene	12.03	106	4872	1.101	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	25859	3.026	ug/l	98
95) Naphthalene	15.25	128	72358	11.793	ug/l	98

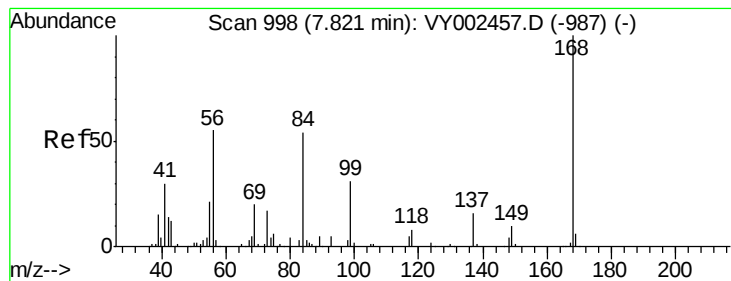
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002464.D

Acq: 23 Apr 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

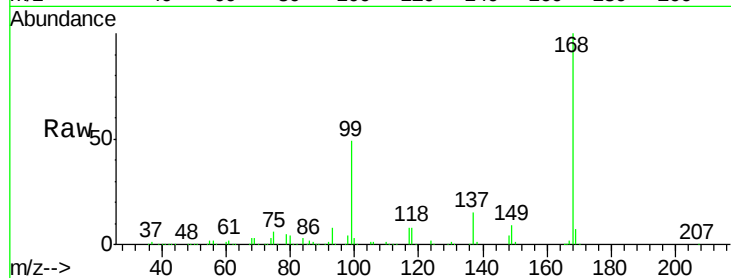
TP-17-(1-2)

Tot Ion:168 Resp: 272687

Ion Ratio Lower Upper

168 100

99 48.8 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

7.81

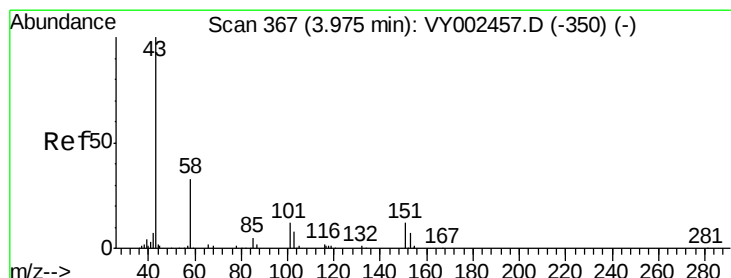
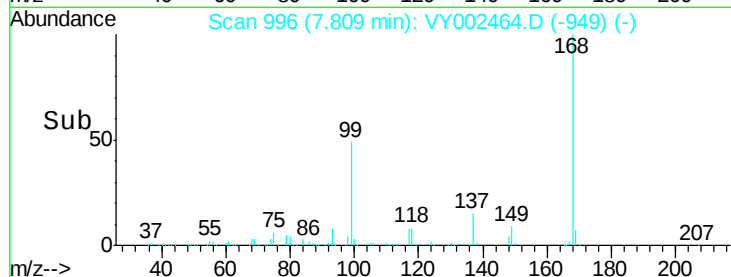
100000

50000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 31.593 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY002464.D

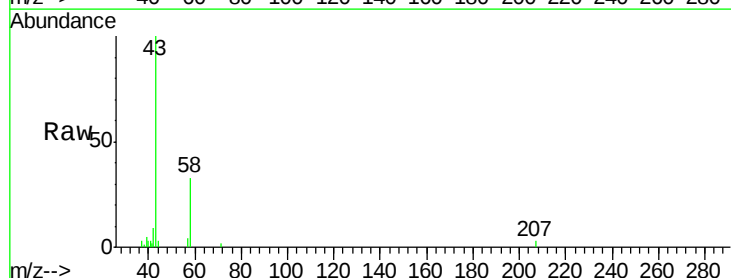
Acq: 23 Apr 2020 17:02

Tgt Ion: 43 Resp: 15736

Ion Ratio Lower Upper

43 100

58 33.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY002457.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VY002457.D (-350) (-)

3.97

6000

5000

4000

3000

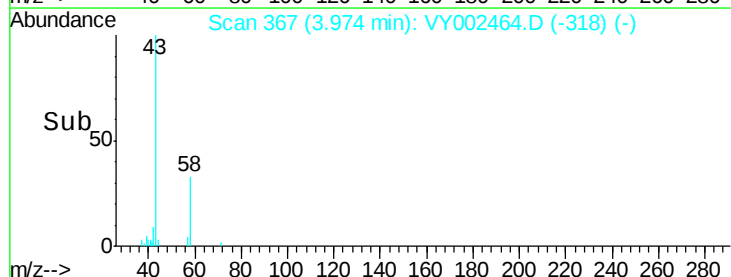
2000

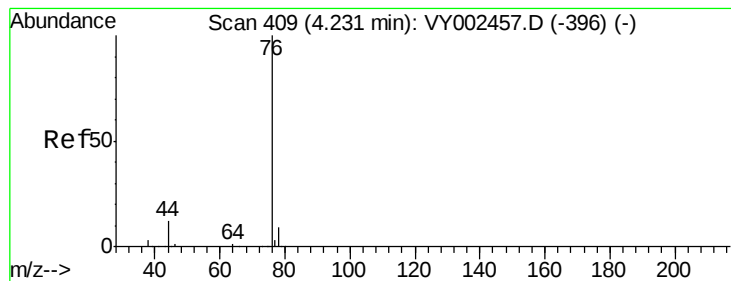
1000

0

3.90 4.00 4.10

Time-->





#17

Carbon Disulfide

Concen: 1.875 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY002464.D

Acq: 23 Apr 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

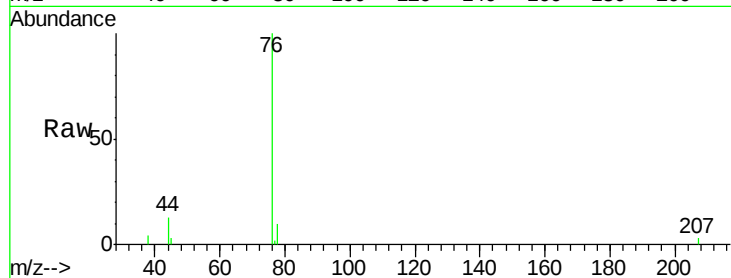
TP-17-(1-2)

Tot Ion: 76 Resp: 13648

Ion Ratio Lower Upper

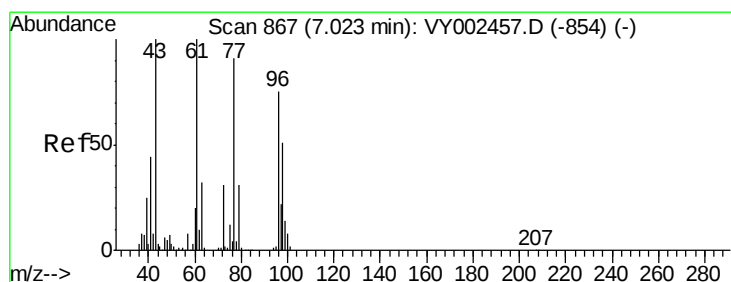
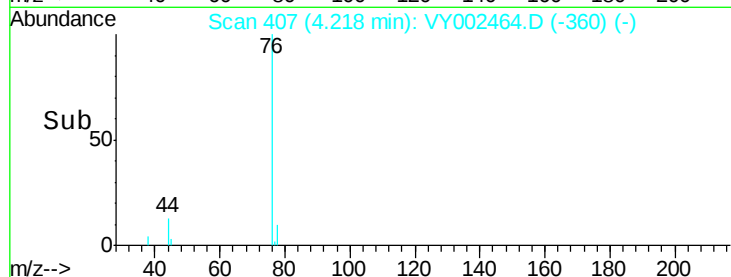
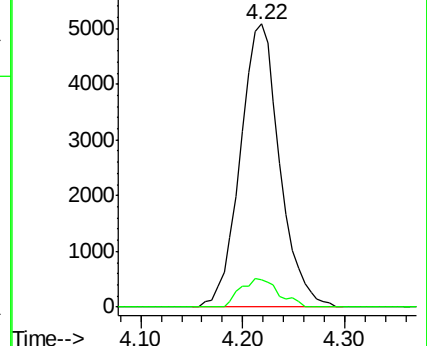
76 100

78 9.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#25

2-Butanone

Concen: 9.522 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002464.D

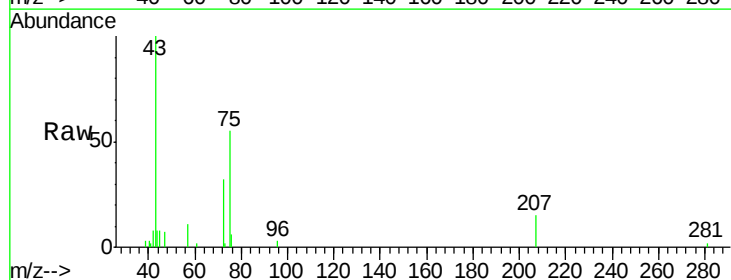
Acq: 23 Apr 2020 17:02

Tgt Ion: 43 Resp: 7266

Ion Ratio Lower Upper

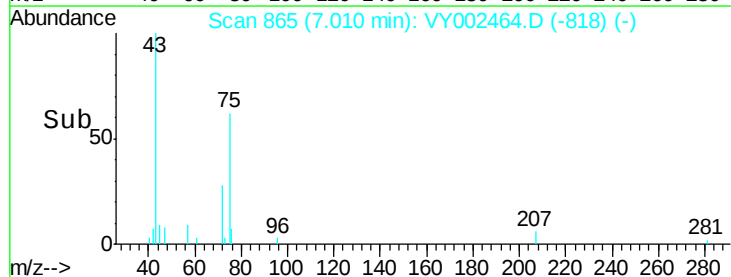
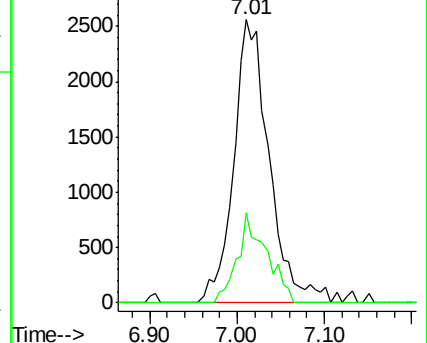
43 100

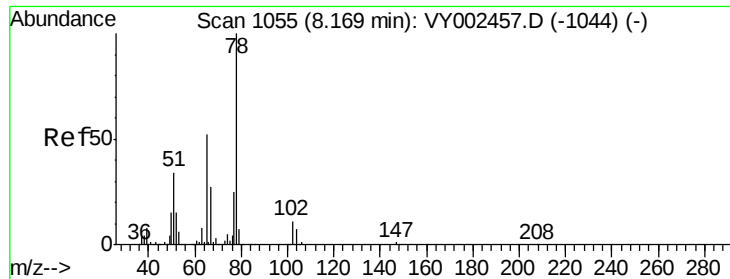
72 31.6 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

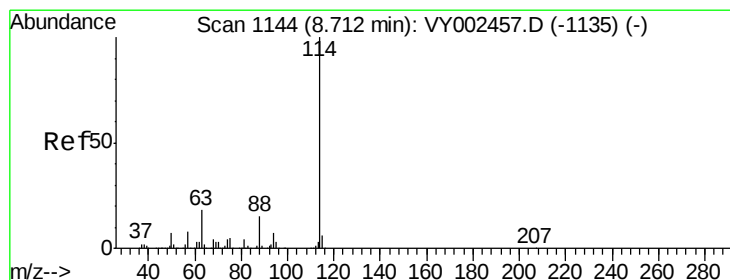
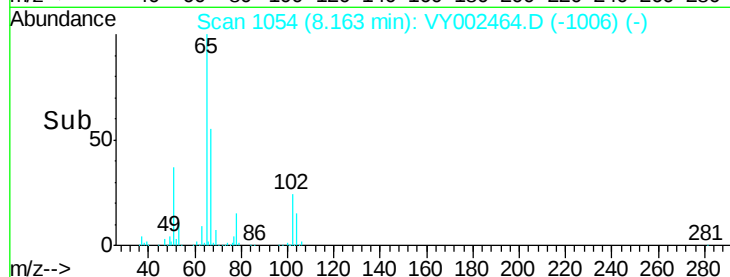
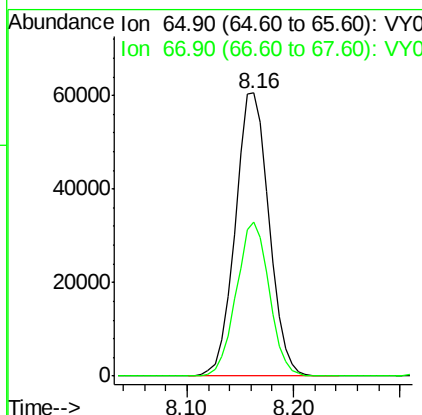
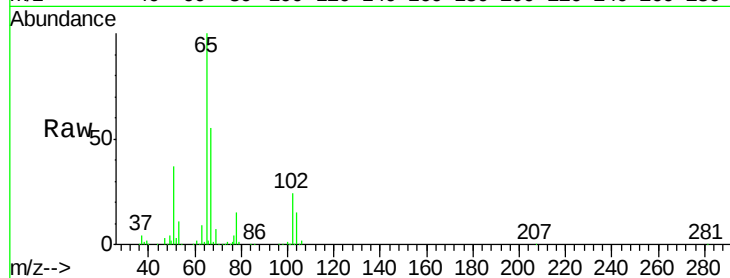




#33
 1,2-Dichloroethane-d4
 Concen: 56.554 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002464.D
 Acq: 23 Apr 2020 17:02

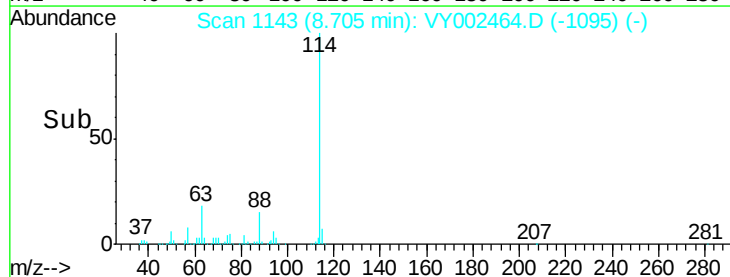
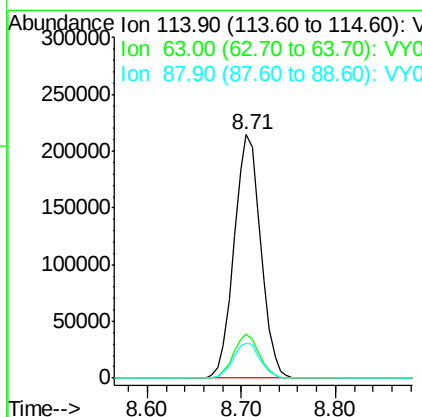
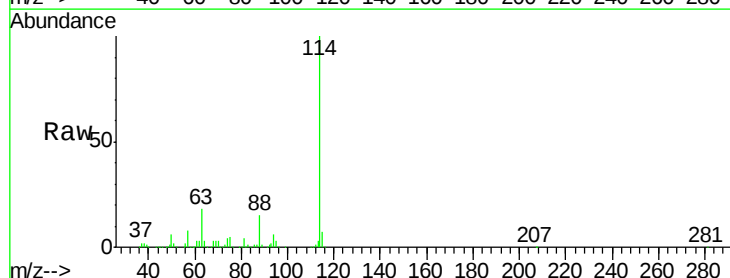
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17-(1-2)

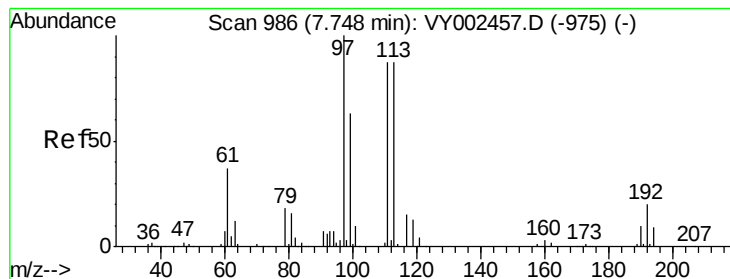
Tot Ion: 65 Resp: 134789
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002464.D
 Acq: 23 Apr 2020 17:02

Tgt Ion: 114 Resp: 419110
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.6
 88 14.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 39.964 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002464.D

Acq: 23 Apr 2020 17:02

Instrument :

MSVOA_Y

ClientSampled :

TP-17-(1-2)

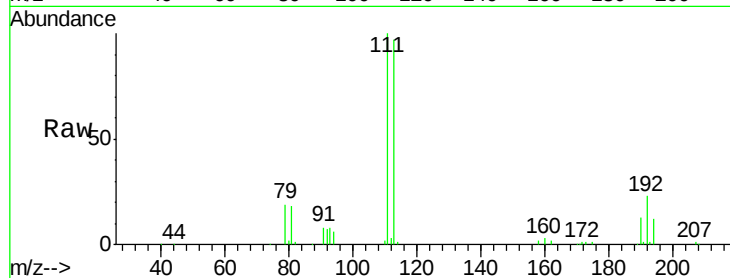
Tot Ion:113 Resp: 94475

Ion Ratio Lower Upper

113 100

111 102.3 81.0 121.4

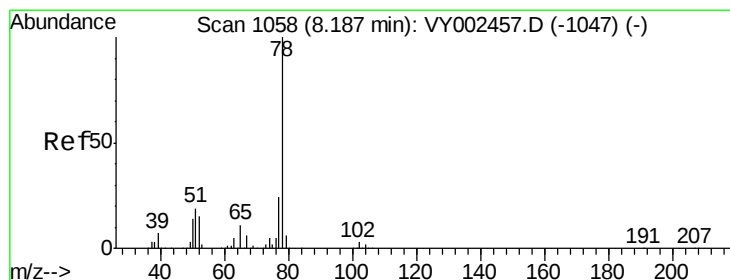
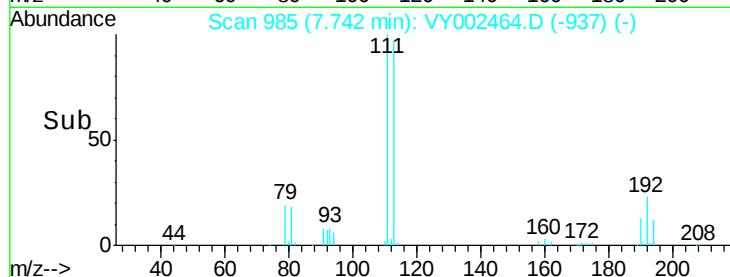
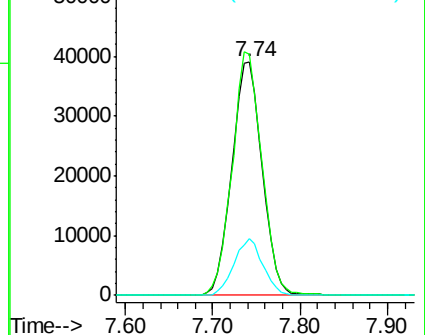
192 23.1 18.6 27.8



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



#40

Benzene

Concen: 3.726 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VY002464.D

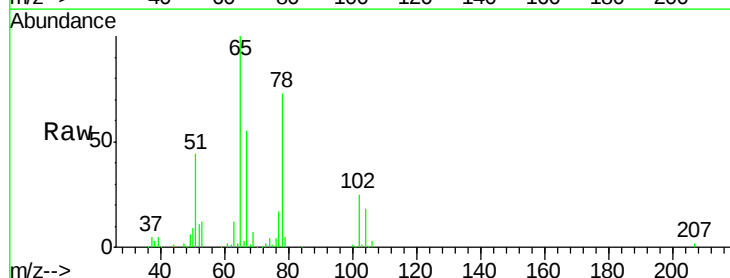
Acq: 23 Apr 2020 17:02

Tgt Ion: 78 Resp: 38698

Ion Ratio Lower Upper

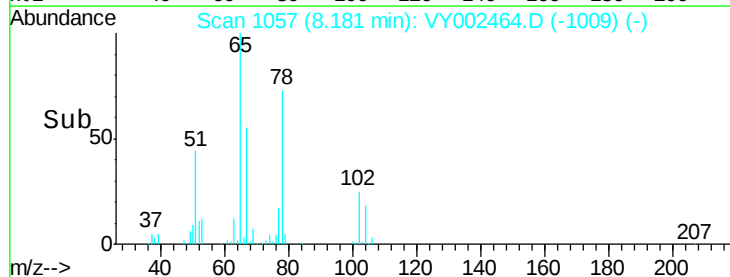
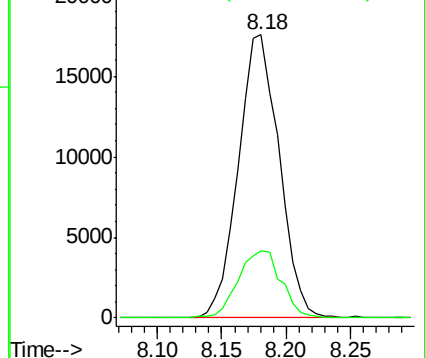
78 100

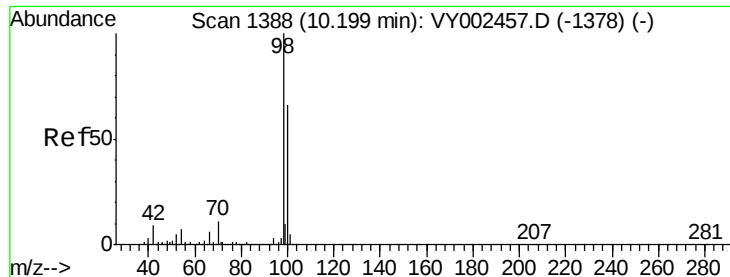
77 23.5 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#50

Toluene-d8

Concen: 51.511 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VY002464.D

Acq: 23 Apr 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

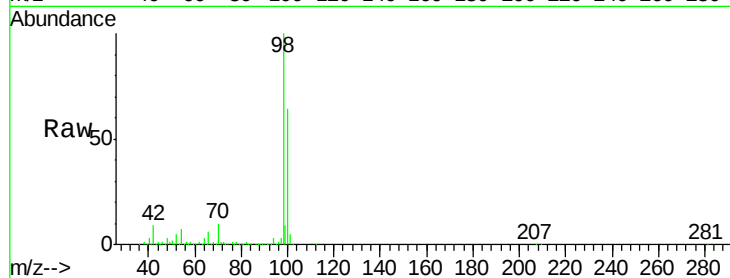
TP-17-(1-2)

Tot Ion: 98 Resp: 489429

Ion Ratio Lower Upper

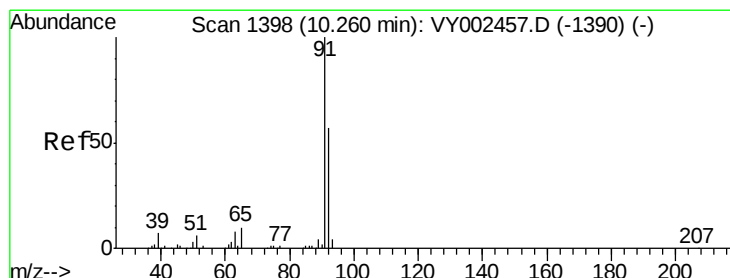
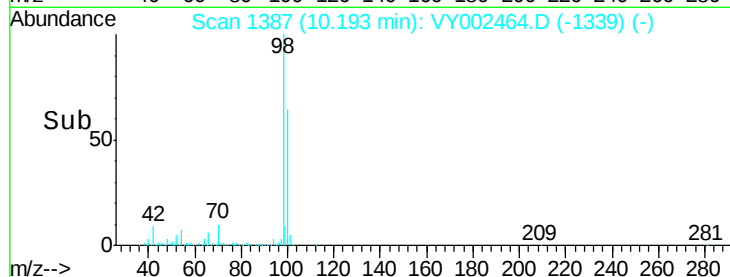
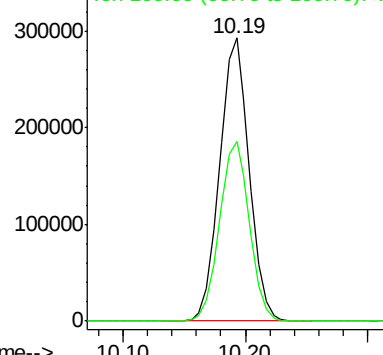
98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#52

Toluene

Concen: 1.041 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY002464.D

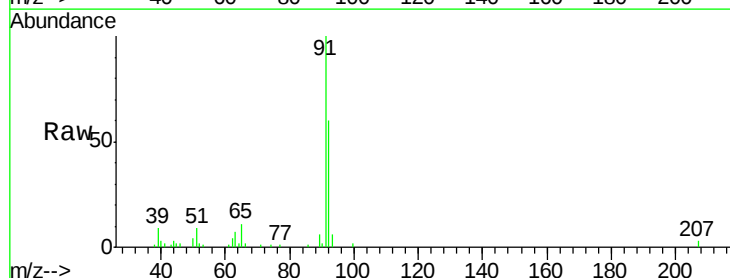
Acq: 23 Apr 2020 17:02

Tgt Ion: 92 Resp: 6962

Ion Ratio Lower Upper

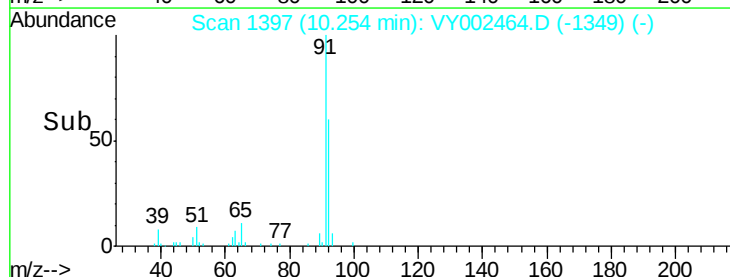
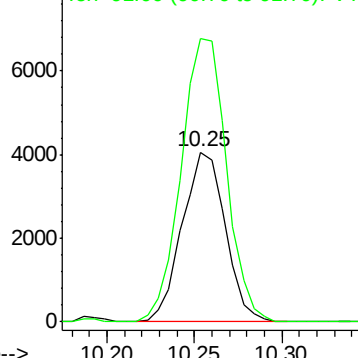
92 100

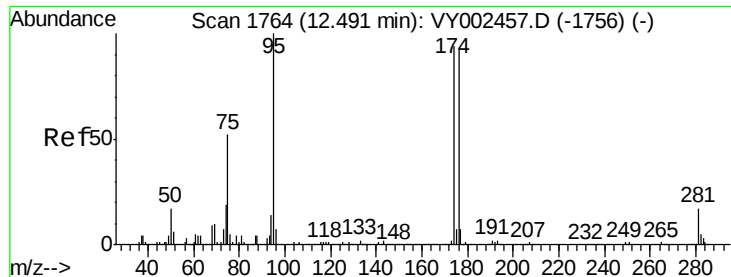
91 175.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#62

4-Bromofluorobenzene

Concen: 44.903 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002464.D

Acq: 23 Apr 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

TP-17-(1-2)

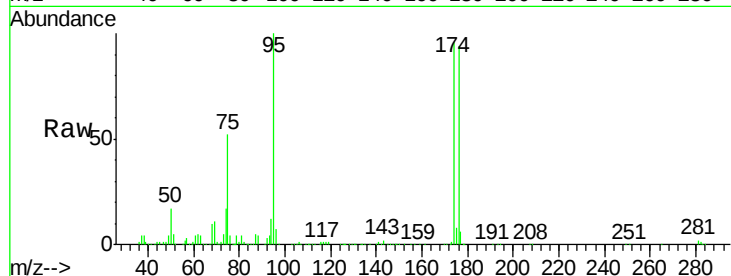
Tot Ion: 95 Resp: 143156

Ion Ratio Lower Upper

95 100

174 96.1 0.0 193.0

176 92.8 0.0 190.4



Abundance Ion 94.90 (94.60 to 95.60): VY002457.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY002457.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY002457.D (-1756) (-)

120000

100000

80000

60000

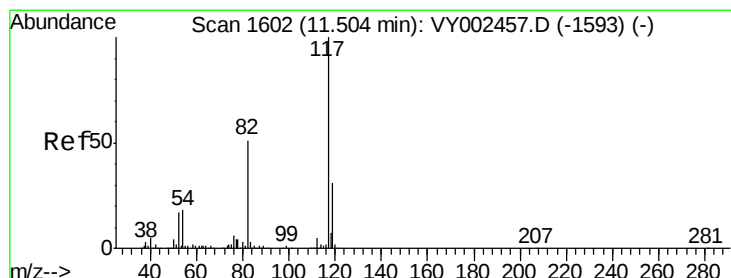
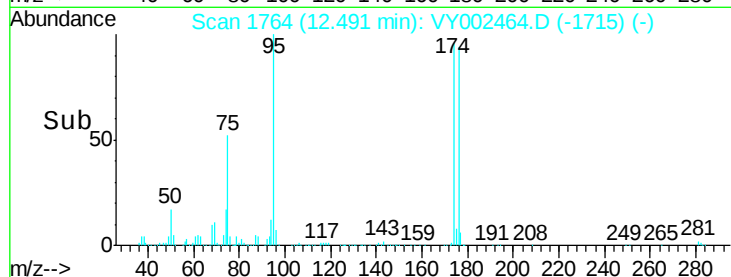
40000

20000

0

12.40 12.45 12.50 12.55

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY002464.D

Acq: 23 Apr 2020 17:02

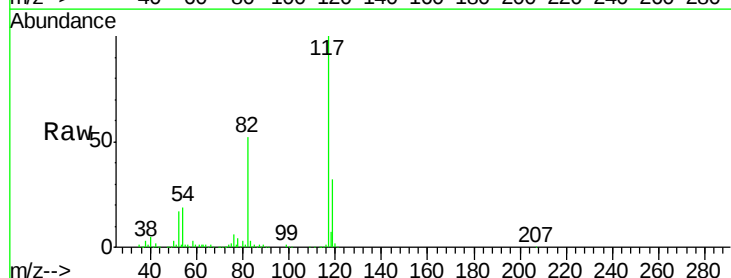
Tgt Ion: 117 Resp: 361154

Ion Ratio Lower Upper

117 100

82 51.5 40.8 61.2

119 31.6 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VY002457.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY002457.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY002457.D (-1593) (-)

300000

250000

200000

150000

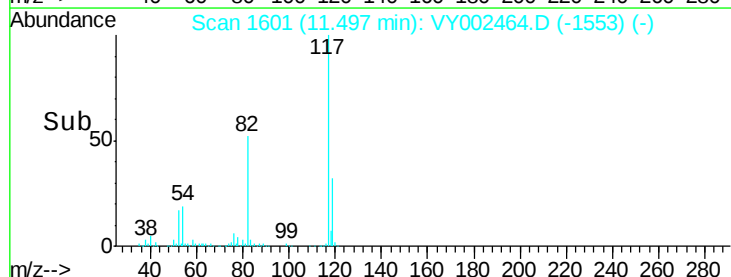
100000

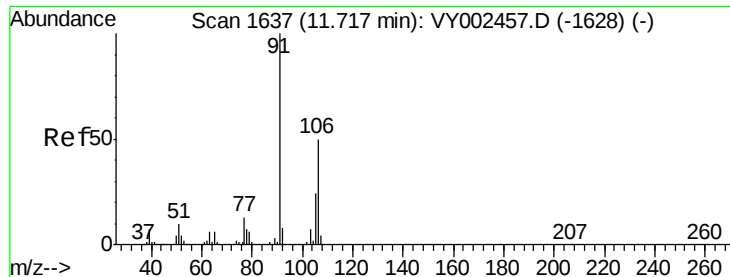
50000

0

11.40 11.50 11.60

Time-->





#68

m/p-Xvlenes

Concen: 1.973 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.01 min

Lab File: VY002464.D

Acq: 23 Apr 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

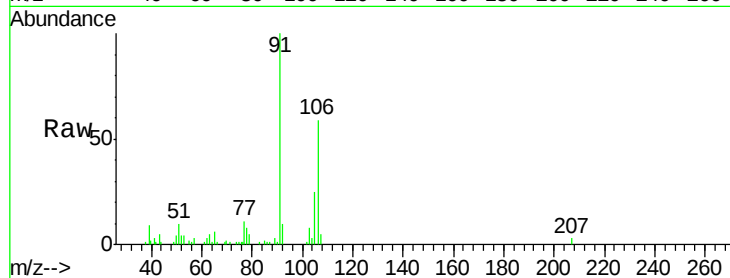
TP-17-(1-2)

Tot Ion:106 Resp: 9424

Ion Ratio Lower Upper

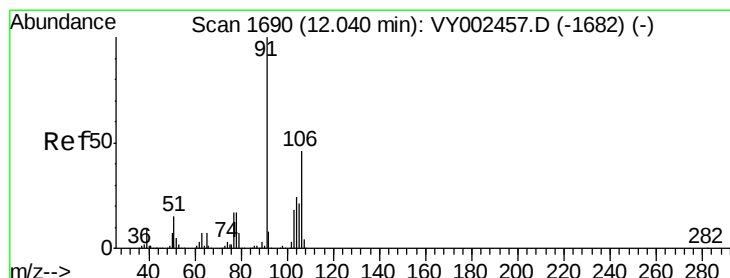
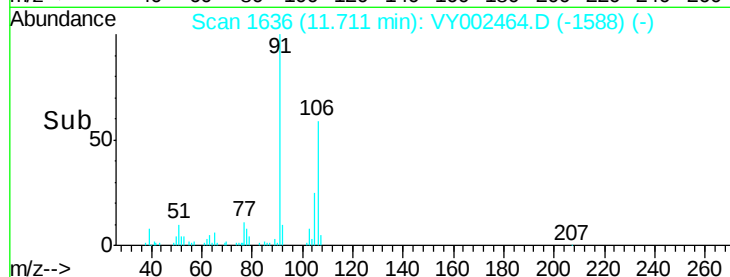
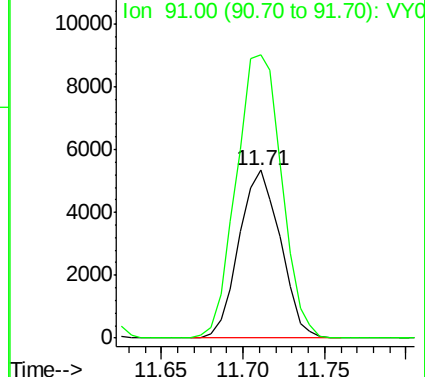
106 100

91 185.0 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 1.101 ug/l

RT: 12.03 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VY002464.D

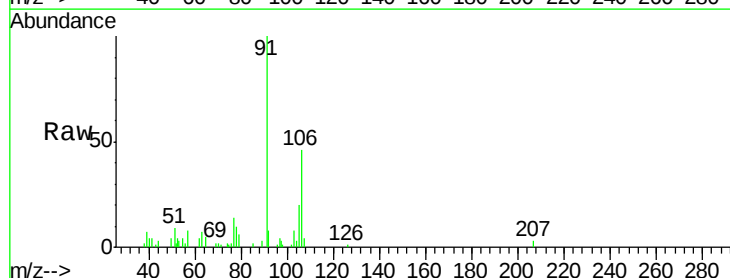
Acq: 23 Apr 2020 17:02

Tgt Ion:106 Resp: 4872

Ion Ratio Lower Upper

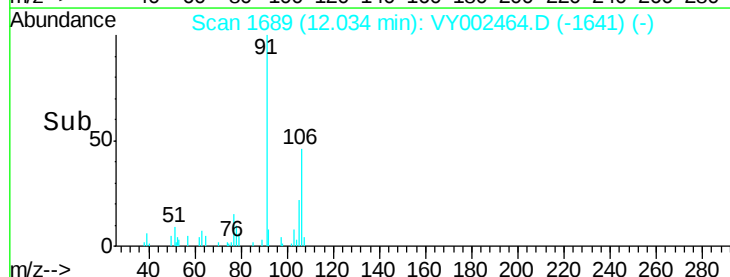
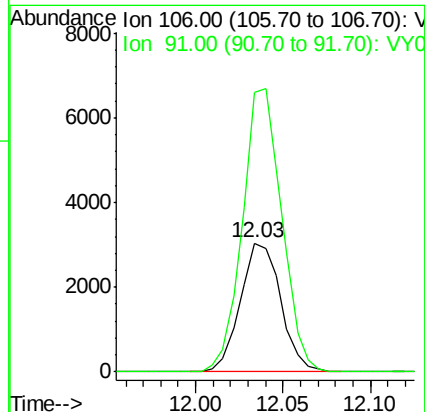
106 100

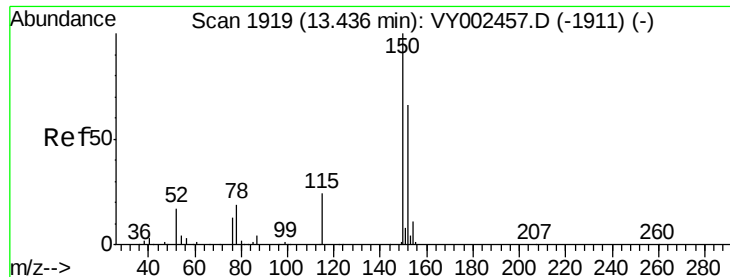
91 214.4 104.5 313.3



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. -0.00 min

Lab File: VY002464.D

Acq: 23 Apr 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

TP-17-(1-2)

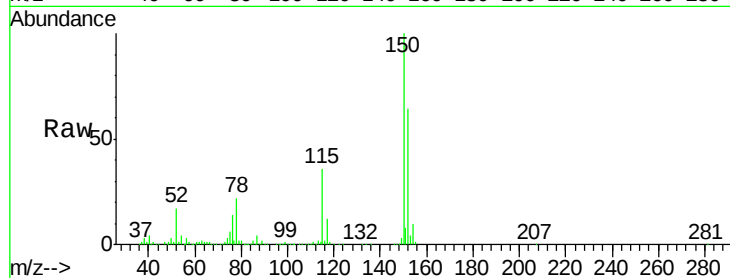
Tot Ion:152 Resp: 156951

Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.8

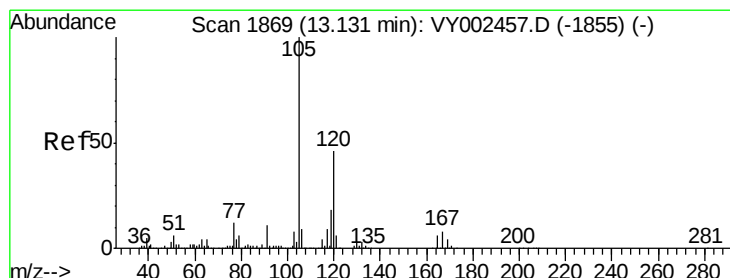
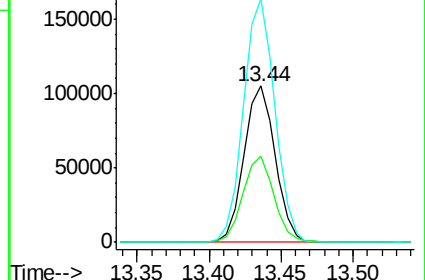
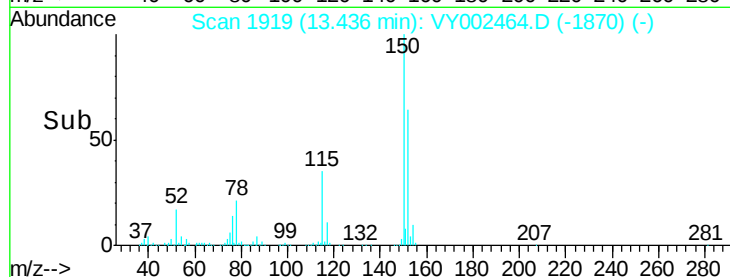
150 156.9 0.0 346.8



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



#84

1,2,4-Trimethylbenzene

Concen: 3.026 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VY002464.D

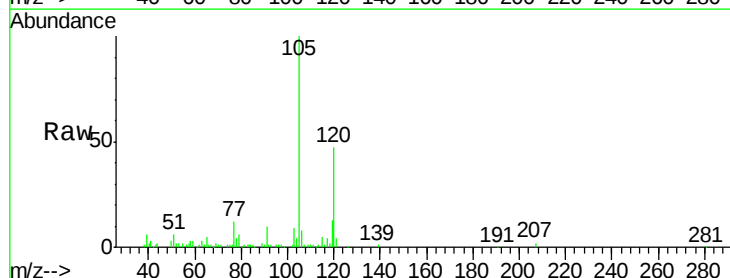
Acq: 23 Apr 2020 17:02

Tgt Ion:105 Resp: 25859

Ion Ratio Lower Upper

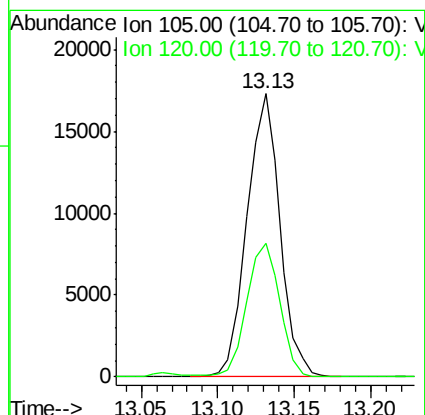
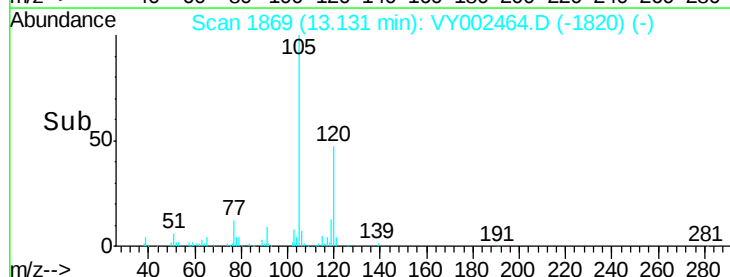
105 100

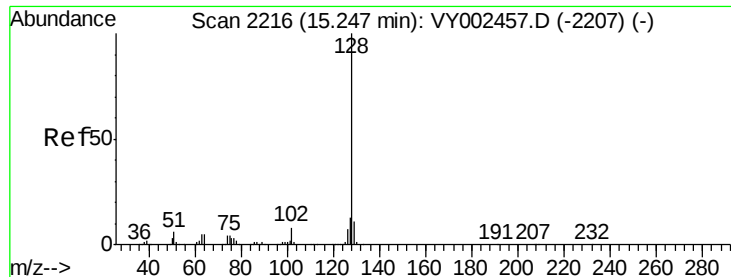
120 47.2 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

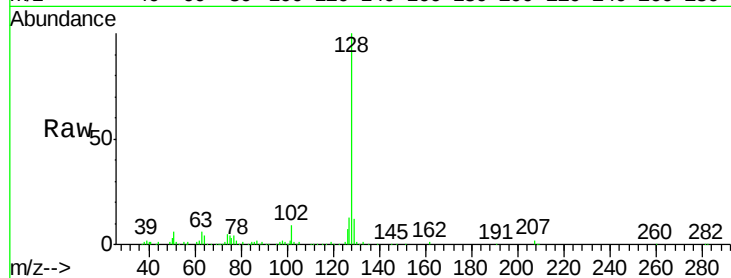




#95
Naphthalene
Concen: 11.793 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002464.D
Acq: 23 Apr 2020 17:02

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

Tot Ion:128 Resp: 72358
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 11.8 8.8 13.2



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

