

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000123.D
 Acq On : 20 Sep 2019 21:07
 Operator : SY/MD
 Sample : K4938-08
 Misc : 5.07g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MG-TRENCH-2-SOIL

Quant Time: Sep 21 01:10:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

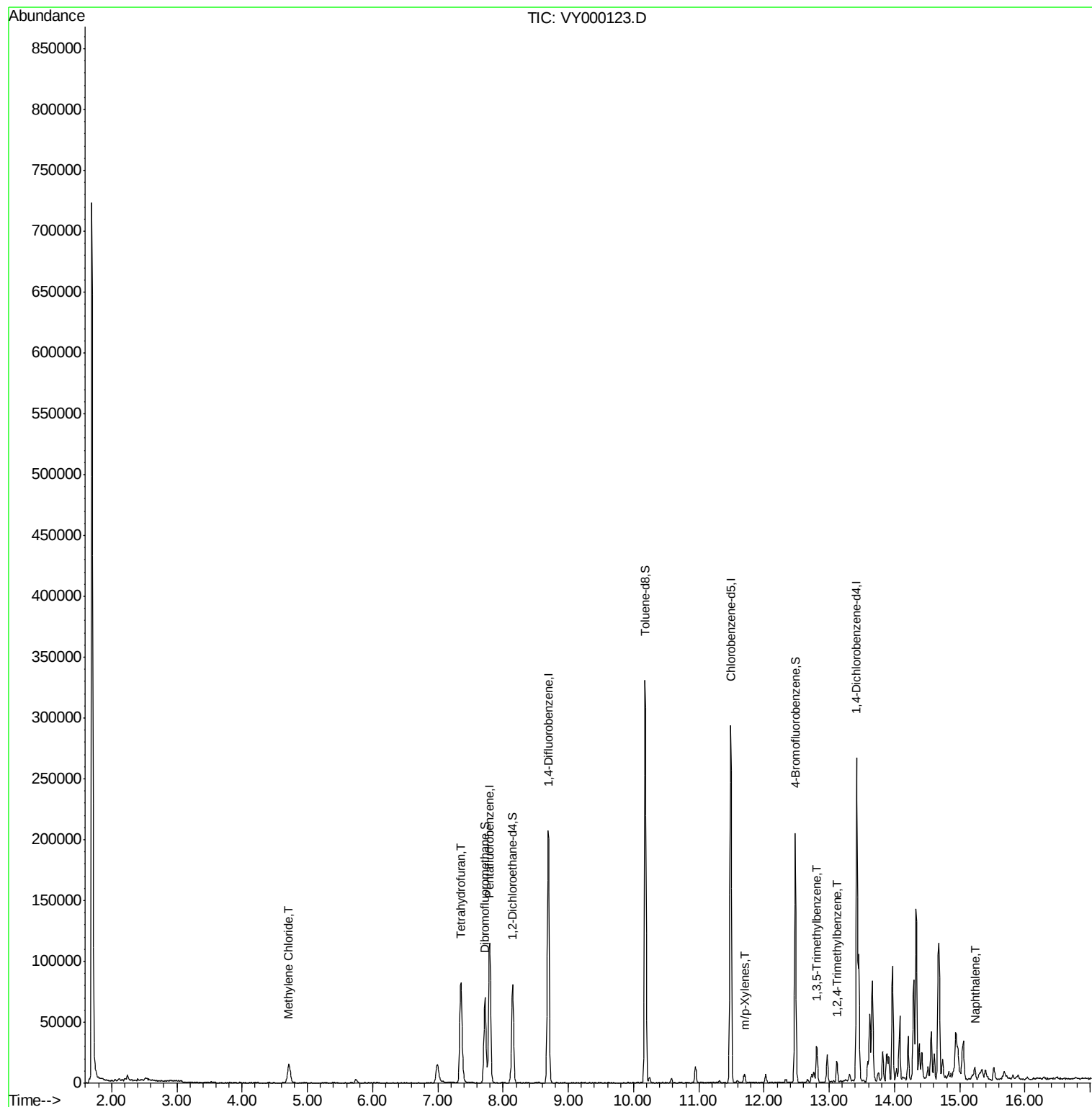
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	82491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	175154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	154574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	59382	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	53114	55.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.92%	
35) Dibromofluoromethane	7.72	113	50603	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
50) Toluene-d8	10.18	98	212330	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.48	95	69124	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
Target Compounds						
20) Methylene Chloride	4.72	84	11711	11.266	ug/l #	89
29) Tetrahydrofuran	7.35	42	64363	267.873	ug/l	96
68) m/p-Xylenes	11.70	106	2260	1.088	ug/l	89
80) 1,3,5-Trimethylbenzene	12.80	105	15594	3.934	ug/l	92
84) 1,2,4-Trimethylbenzene	13.12	105	8675	2.220	ug/l	88
95) Naphthalene	15.22	128	7204	2.258	ug/l #	97

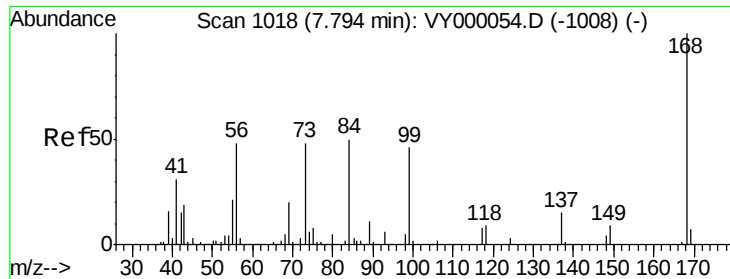
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000123.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_Y

ClientSampleId :

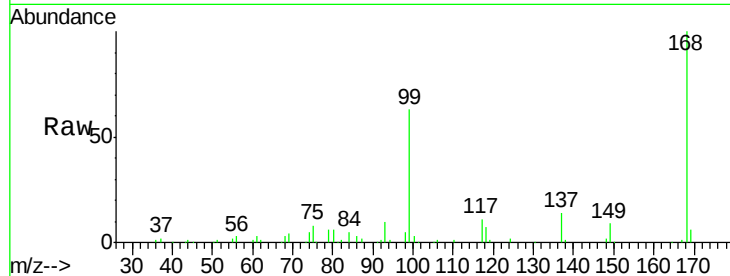
MG-TRENCH-2-SOIL

Tot Ion:168 Resp: 82491

Ion Ratio Lower Upper

168 100

99 62.6 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.79

40000

30000

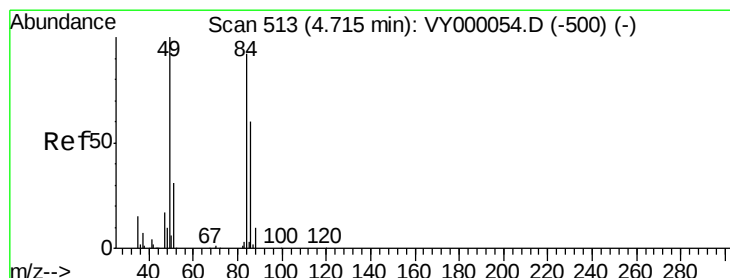
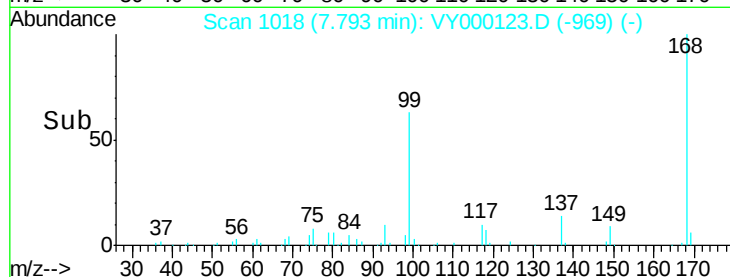
20000

10000

0

7.70 7.80 7.90

Time-->



#20

Methylene Chloride

Concen: 11.266 ug/l

RT: 4.72 min Scan# 514

Delta R.T. 0.01 min

Lab File: VY000123.D

Acq: 20 Sep 2019 21:07

Tgt Ion: 84 Resp: 11711

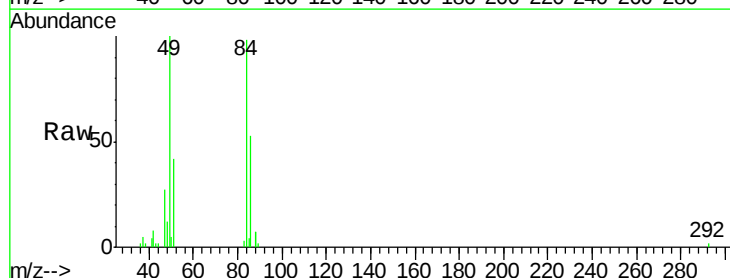
Ion Ratio Lower Upper

84 100

49 102.1 87.4 131.0

51 43.0 27.2 40.8#

86 53.7 52.8 79.2



Abundance Ion 83.90 (83.60 to 84.60): VY000054.D (-500) (-)

Ion 48.90 (48.60 to 49.60): VY000054.D (-500) (-)

Ion 50.90 (50.60 to 51.60): VY000054.D (-500) (-)

Ion 85.90 (85.60 to 86.60): VY000054.D (-500) (-)

6000

5000

4000

3000

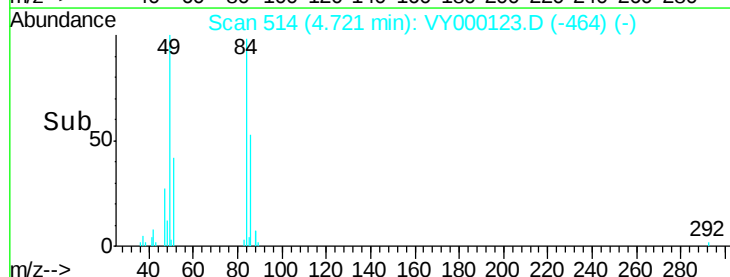
2000

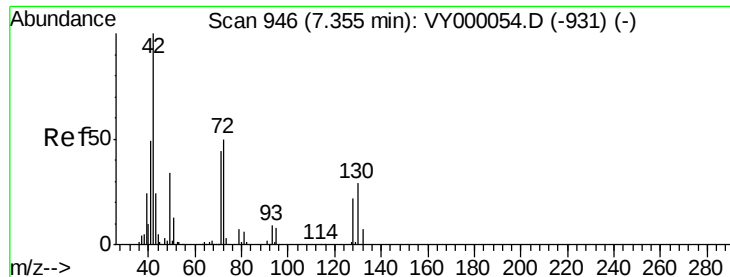
1000

0

4.60 4.70 4.80

Time-->

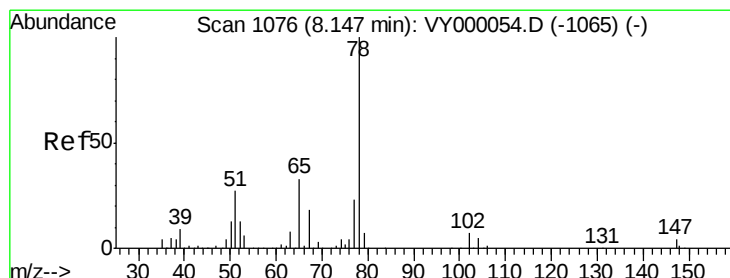
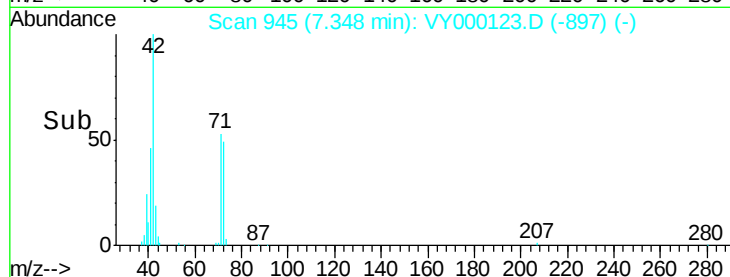
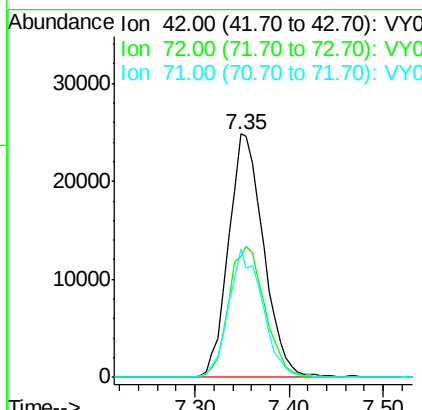
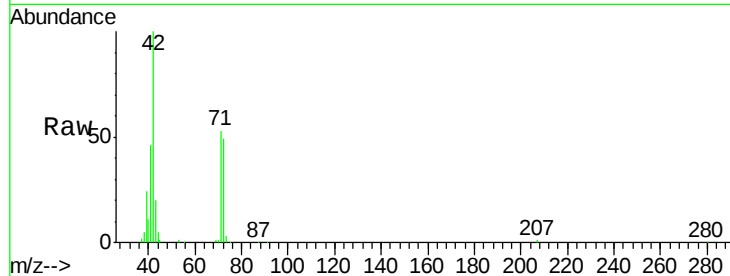




#29
Tetrahydrofuran
Concen: 267.873 ug/l
RT: 7.35 min Scan# 945
Delta R.T. -0.01 min
Lab File: VY000123.D
Acq: 20 Sep 2019 21:07

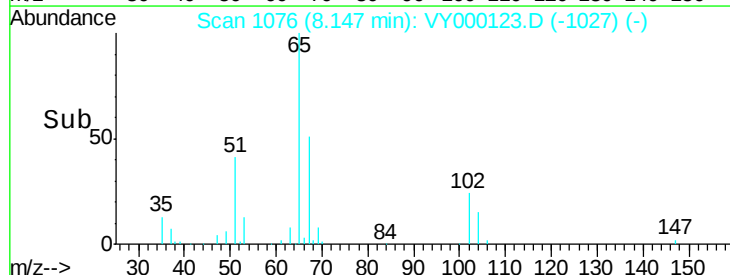
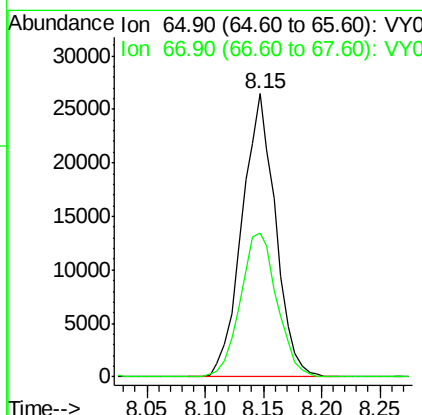
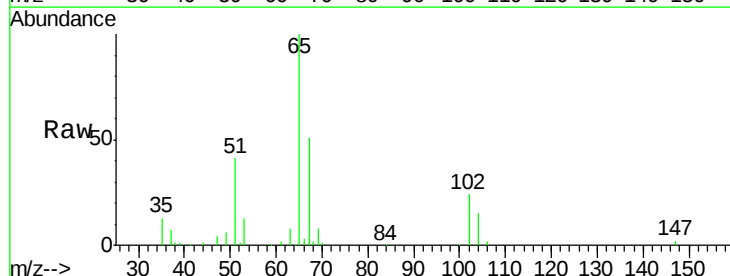
Instrument :
MSVOA_Y
ClientSampleId :
MG-TRENCH-2-SOIL

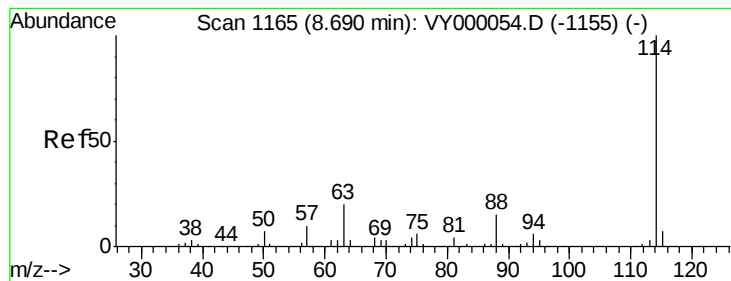
Tot Ion: 42 Resp: 64363
Ion Ratio Lower Upper
42 100
72 55.8 41.8 62.6
71 50.9 38.6 58.0



#33
1,2-Dichloroethane-d4
Concen: 55.964 ug/l
RT: 8.15 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VY000123.D
Acq: 20 Sep 2019 21:07

Tgt Ion: 65 Resp: 53114
Ion Ratio Lower Upper
65 100
67 55.4 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VY000123.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_Y

ClientSampleId :

MG-TRENCH-2-SOIL

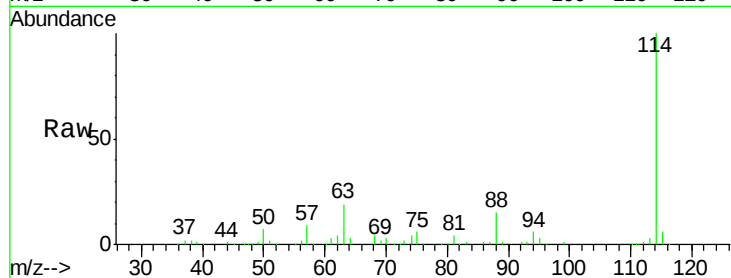
Tot Ion:114 Resp: 175154

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.4

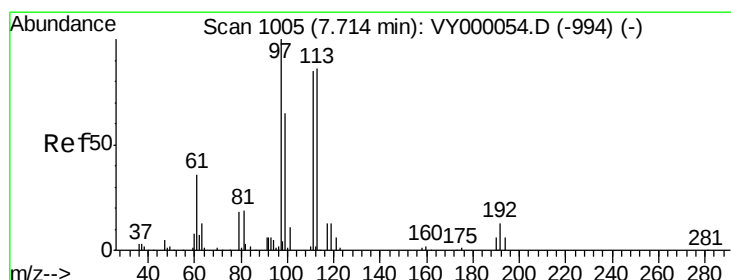
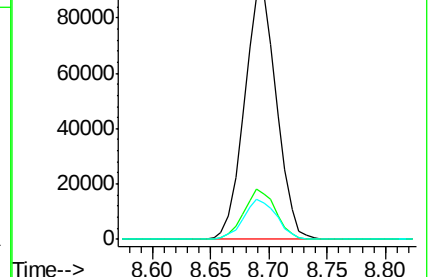
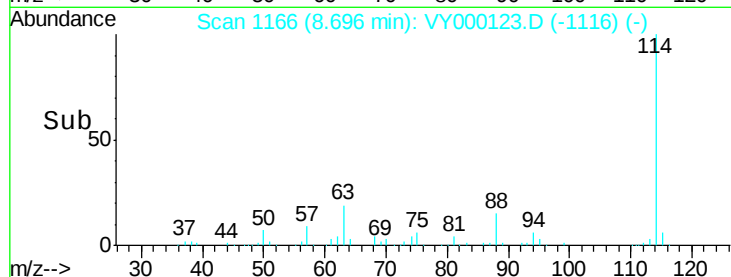
88 15.1 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 47.716 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000123.D

Acq: 20 Sep 2019 21:07

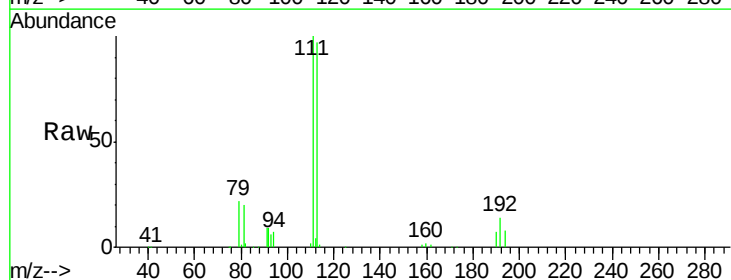
Tgt Ion:113 Resp: 50603

Ion Ratio Lower Upper

113 100

111 102.3 81.7 122.5

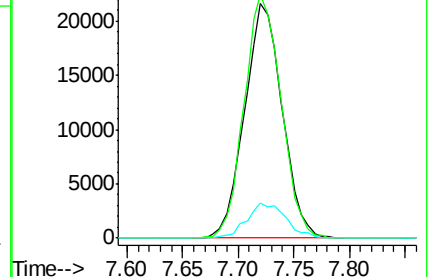
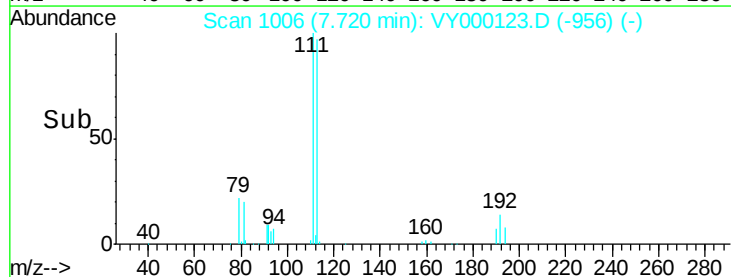
192 15.5 13.4 20.2

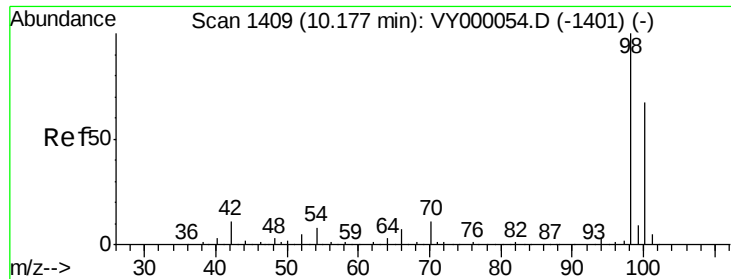


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.975 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000123.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_Y

ClientSampleId :

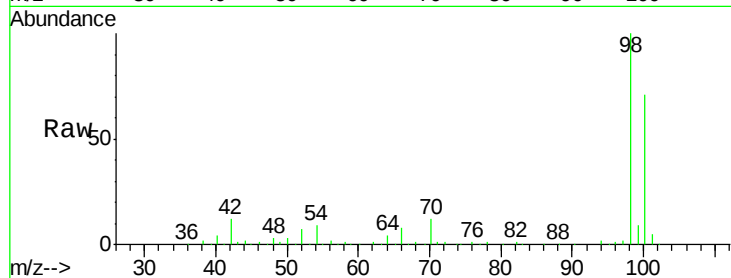
MG-TRENCH-2-SOIL

Tot Ion: 98 Resp: 212330

Ion Ratio Lower Upper

98 100

100 67.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY000054.D (-1401) (-)

Ion 100.00 (99.70 to 100.70): VY000054.D (-1401) (-)

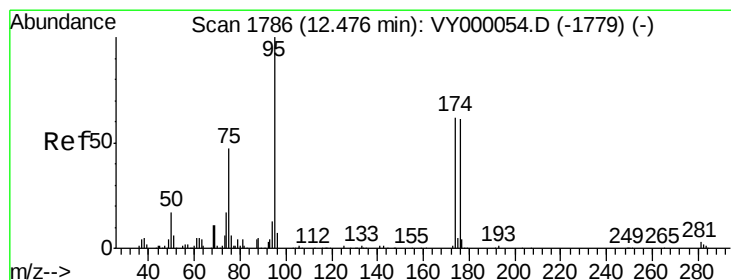
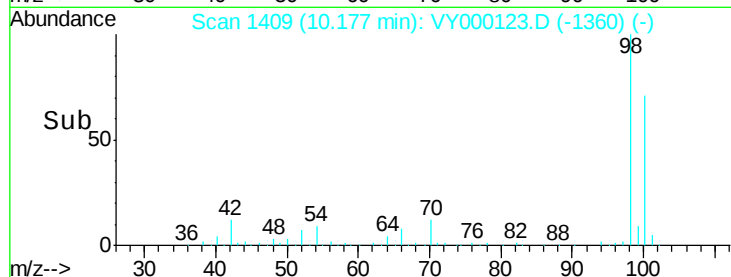
10.18

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.697 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000123.D

Acq: 20 Sep 2019 21:07

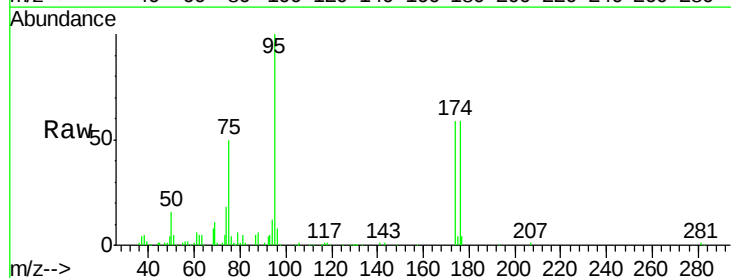
Tgt Ion: 95 Resp: 69124

Ion Ratio Lower Upper

95 100

174 63.6 0.0 137.2

176 63.6 0.0 135.0



Abundance Ion 94.90 (94.60 to 95.60): VY000054.D (-1779) (-)

Ion 173.80 (173.50 to 174.50): VY000054.D (-1779) (-)

Ion 175.80 (175.50 to 176.50): VY000054.D (-1779) (-)

12.48

60000

50000

40000

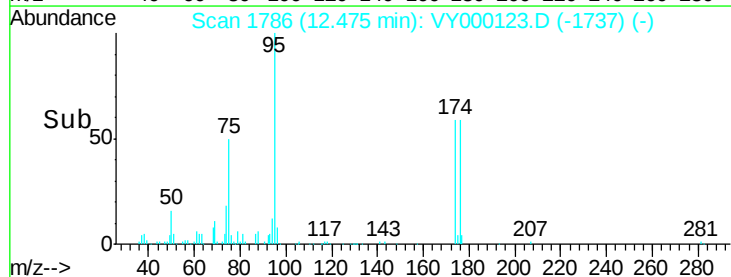
30000

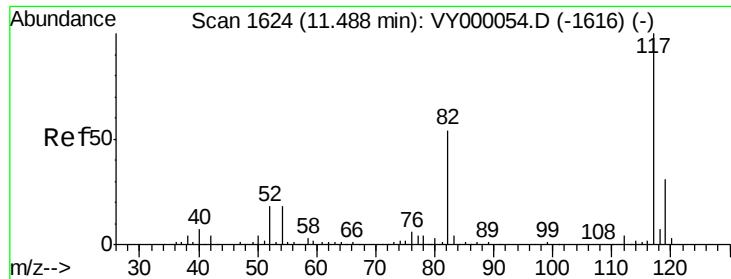
20000

10000

0

Time-->

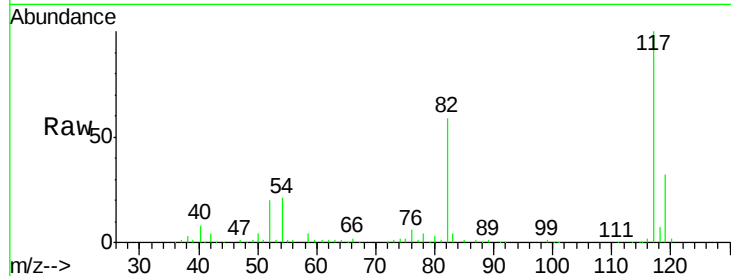




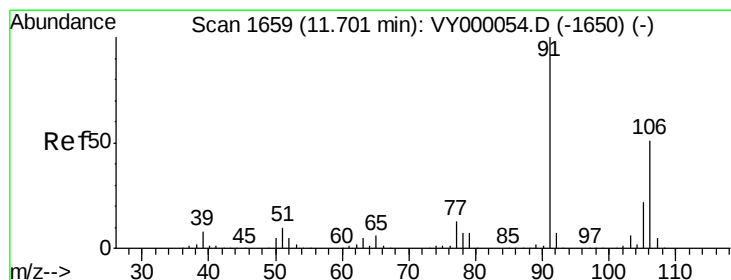
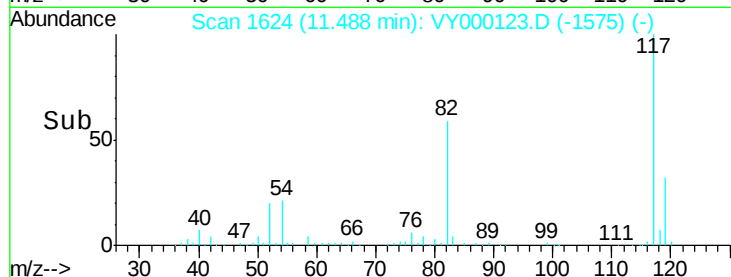
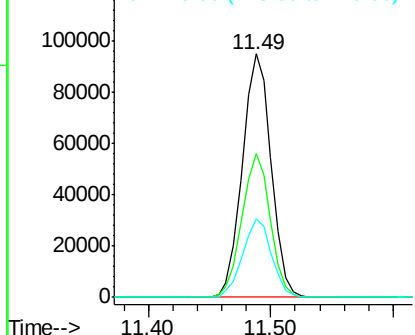
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000123.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_Y
ClientSampleId :
MG-TRENCH-2-SOIL

Tot Ion:117 Resp: 154574
Ion Ratio Lower Upper
117 100
82 59.3 43.5 65.3
119 32.3 24.6 36.8

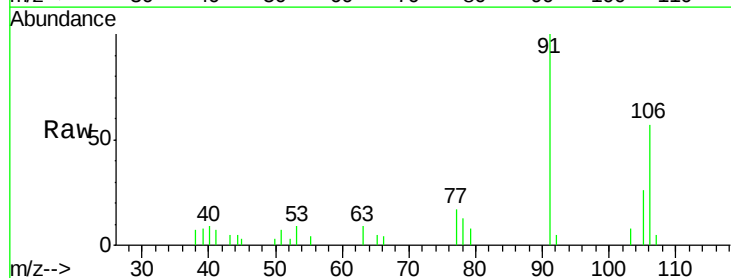


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

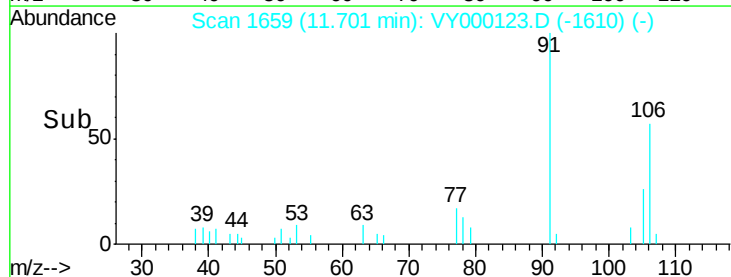
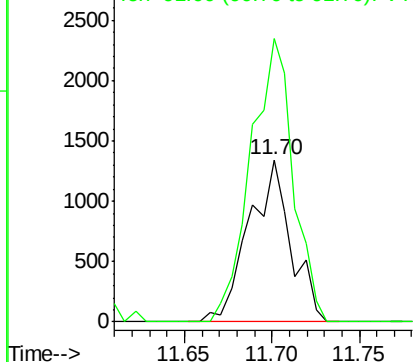


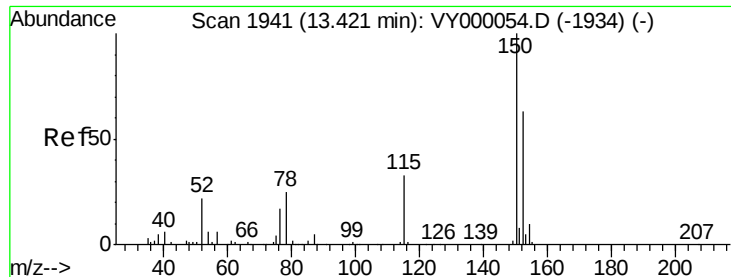
#68
m/p-Xylenes
Concen: 1.088 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000123.D
Acq: 20 Sep 2019 21:07

Tgt Ion:106 Resp: 2260
Ion Ratio Lower Upper
106 100
91 176.5 154.5 231.7



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: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000123.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_Y

ClientSampleId :

MG-TRENCH-2-SOIL

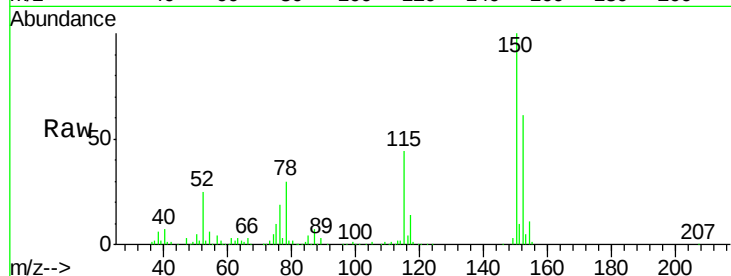
Tot Ion:152 Resp: 59382

Ion Ratio Lower Upper

152 100

115 69.6 30.7 92.1

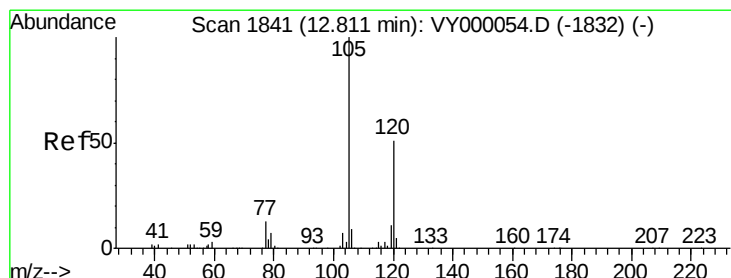
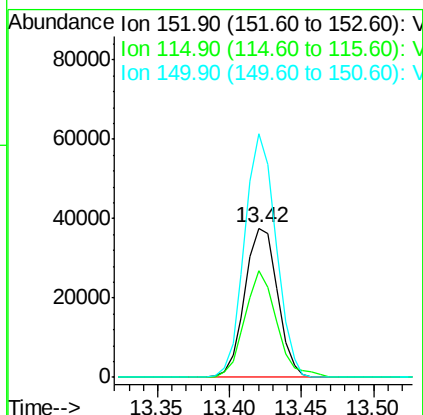
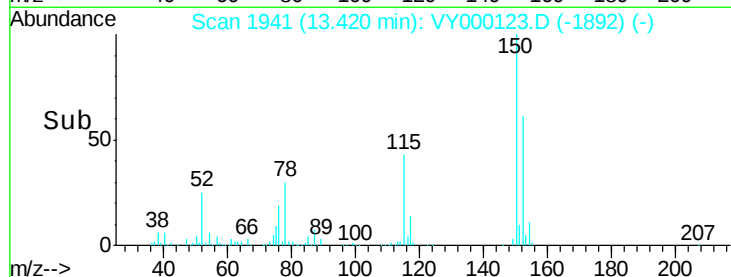
150 156.8 0.0 351.6



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



#80

1,3,5-Trimethylbenzene

Concen: 3.934 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VY000123.D

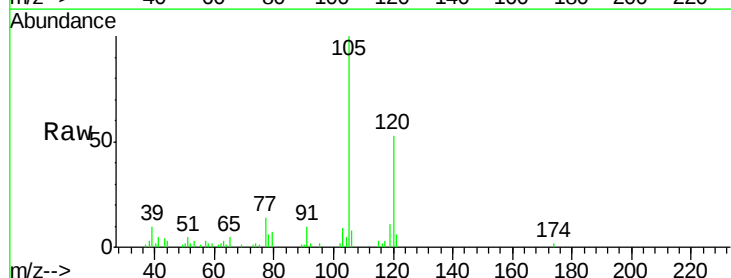
Acq: 20 Sep 2019 21:07

Tgt Ion:105 Resp: 15594

Ion Ratio Lower Upper

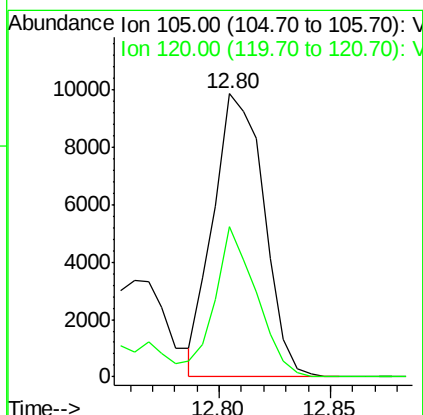
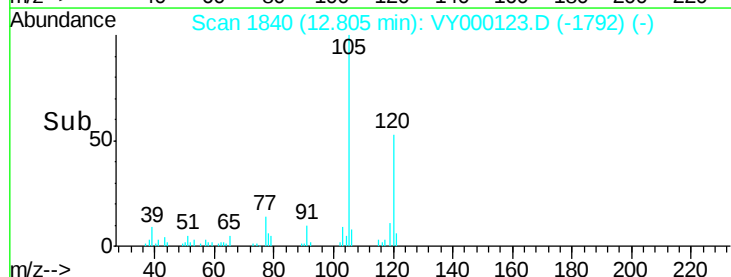
105 100

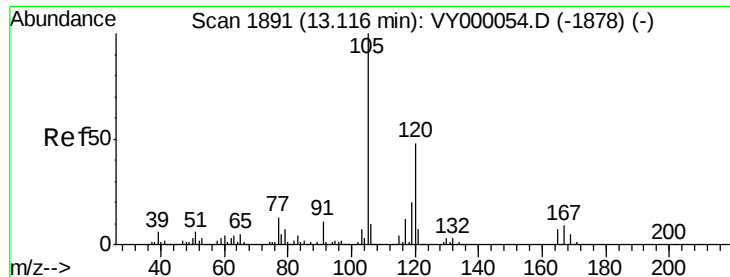
120 44.3 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

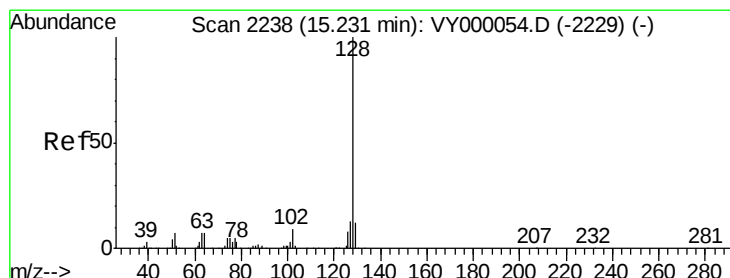
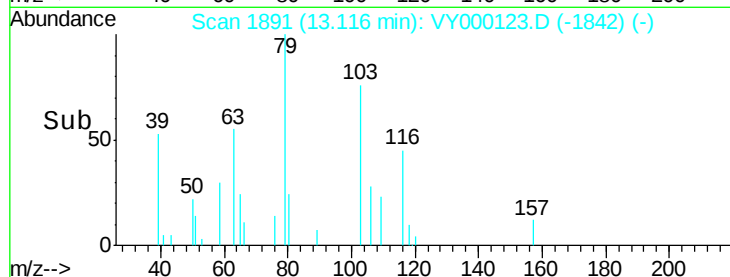
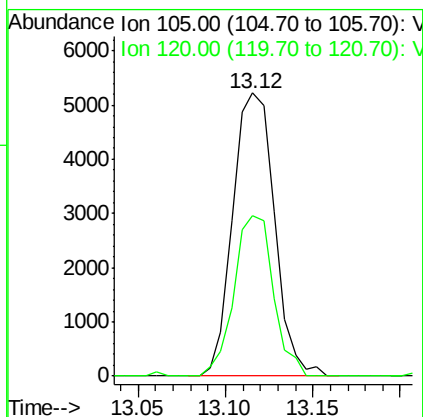
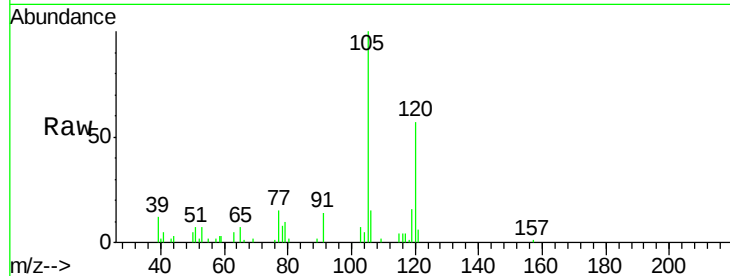




#84
 1,2,4-Trimethylbenzene
 Concen: 2.220 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000123.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 MG-TRENCH-2-SOIL

Tot Ion:105 Resp: 8675
 Ion Ratio Lower Upper
 105 100
 120 53.5 22.9 68.7



#95
 Naphthalene
 Concen: 2.258 ug/l
 RT: 15.22 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: VY000123.D
 Acq: 20 Sep 2019 21:07

Tgt Ion:128 Resp: 7204
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 8.8 9.2 13.8#

