

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020320\  
 Data File : VY001467.D  
 Acq On : 03 Feb 2020 12:31  
 Operator : SY/MD  
 Sample : L1347-01  
 Misc : 5.86G/5ML/MSVOA Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 GRAB-01

Quant Time: Feb 03 13:39:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

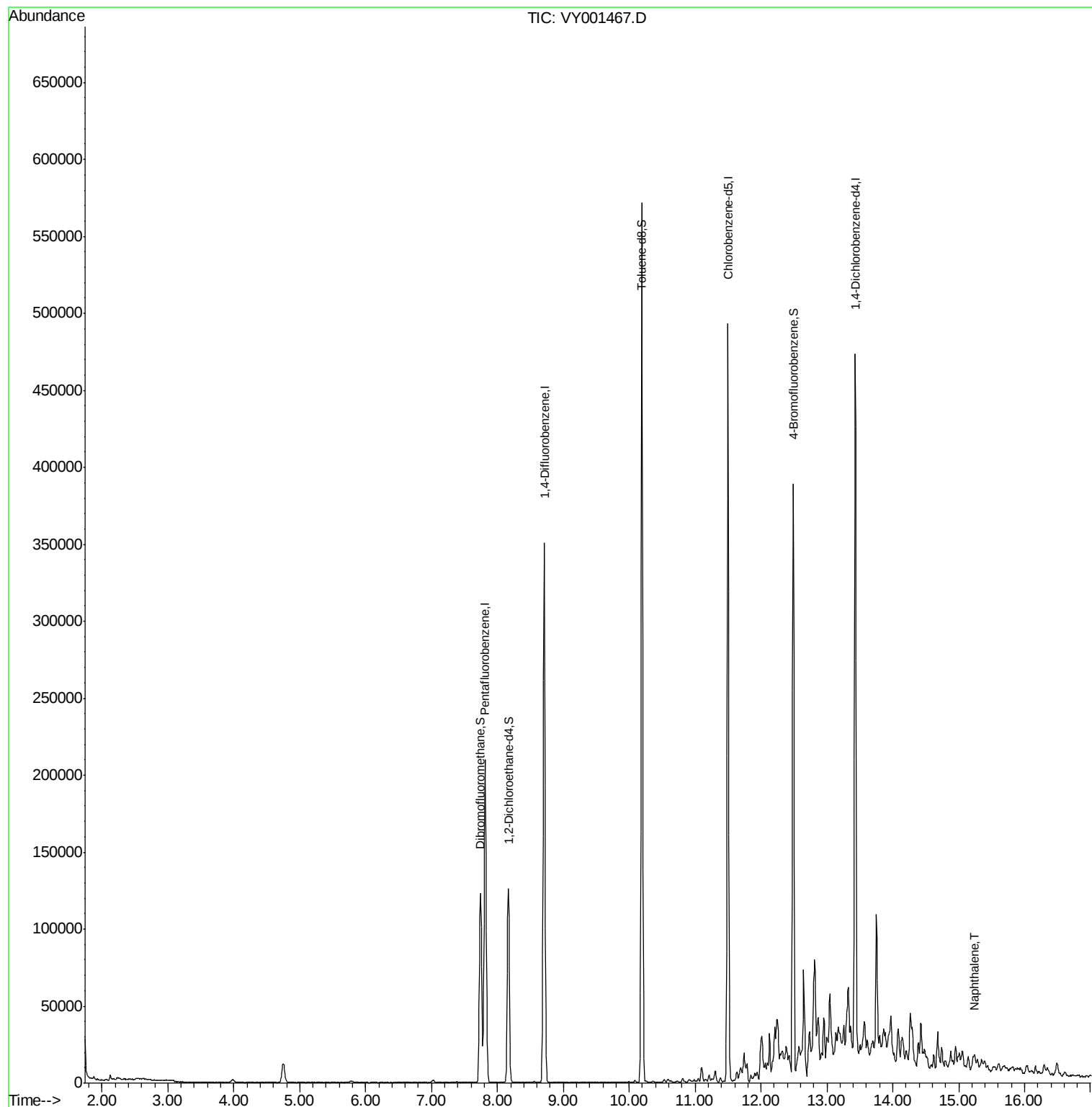
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 163253   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 303173   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 270036   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 111809   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 96415    | 54.27 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.54% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 88668    | 49.83 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.66%  |           |
| 50) Toluene-d8              | 10.19 | 98   | 360116   | 52.09 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.18% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 123954   | 45.02 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.04%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 95) Naphthalene             | 15.24 | 128  | 7117     | 1.336 | ug/l #  | Qvalue 93 |

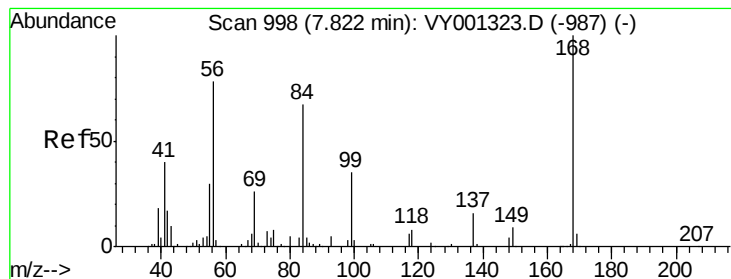
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GRAB-01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 01:21:47 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

Instrument :

MSVOA\_Y

ClientSampleId :

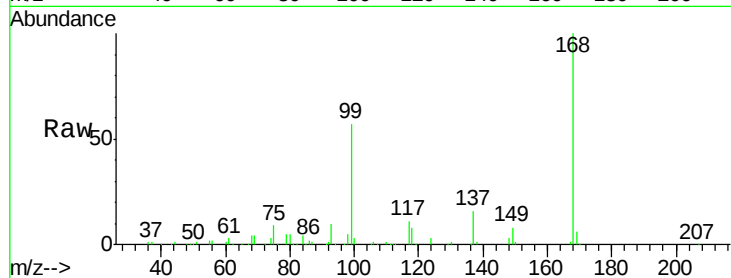
GRAB-01

Tot Ion:168 Resp: 163253

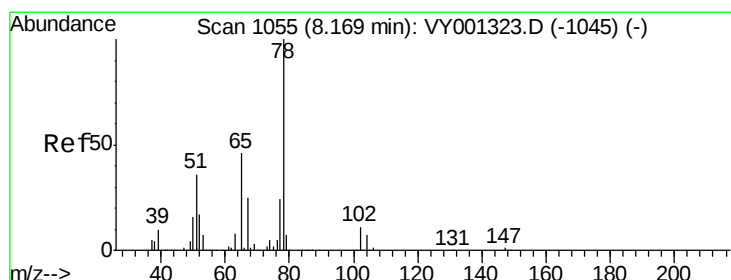
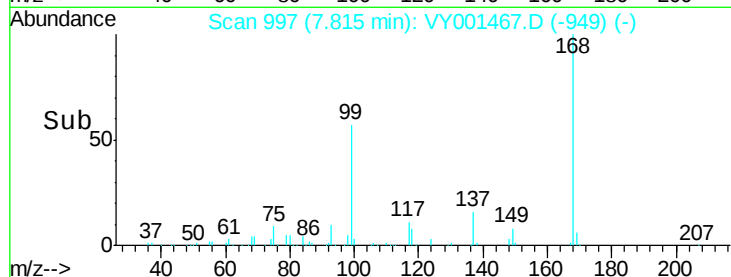
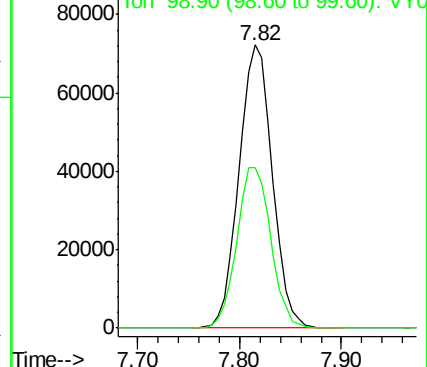
Ion Ratio Lower Upper

168 100

99 56.7 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.275 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001467.D

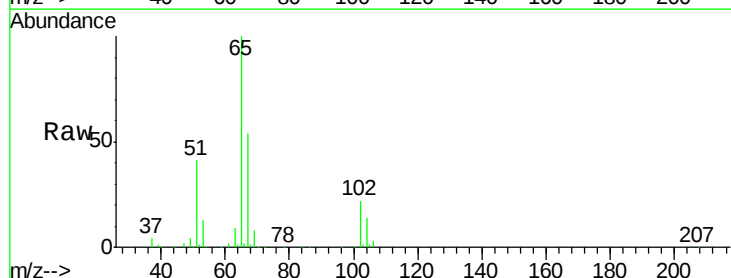
Acq: 03 Feb 2020 12:31

Tgt Ion: 65 Resp: 96415

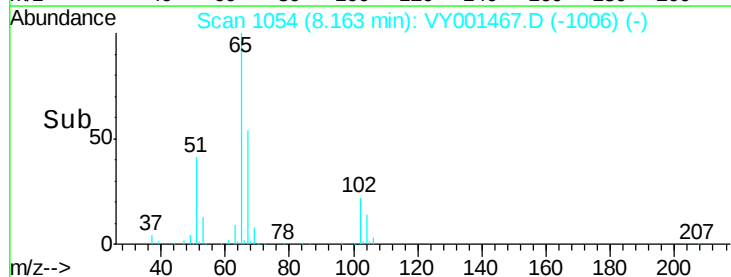
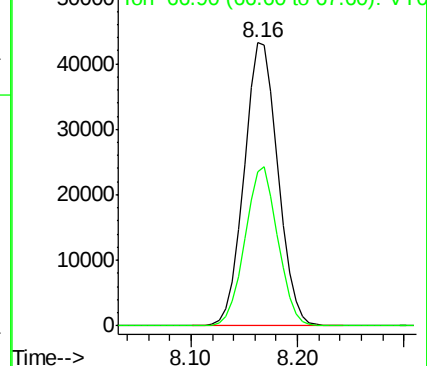
Ion Ratio Lower Upper

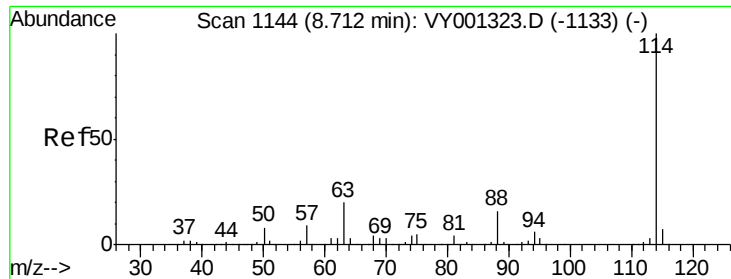
65 100

67 54.5 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY001323.D (-1045) (-)

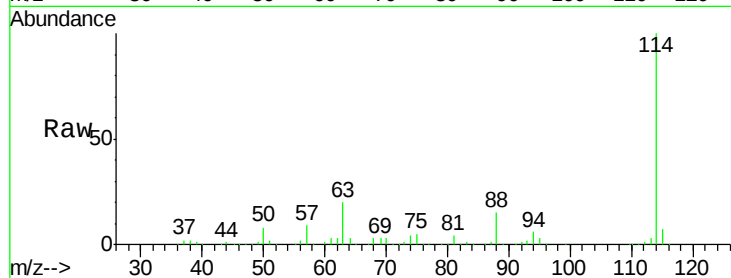




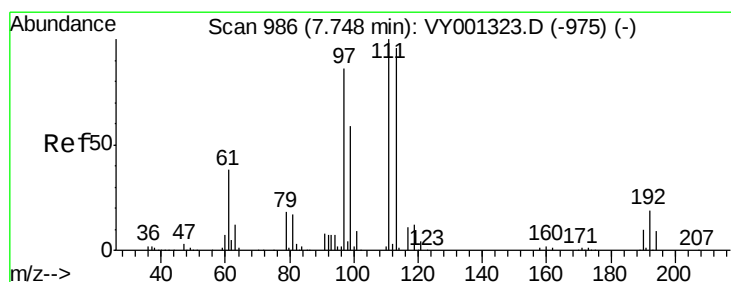
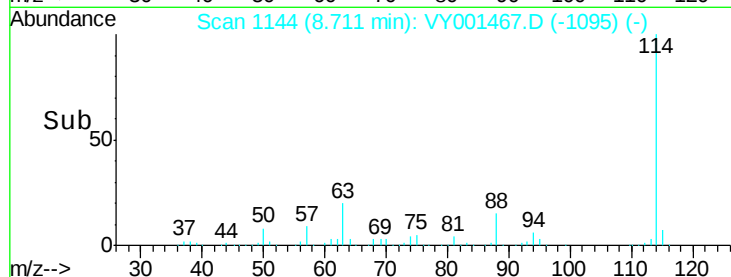
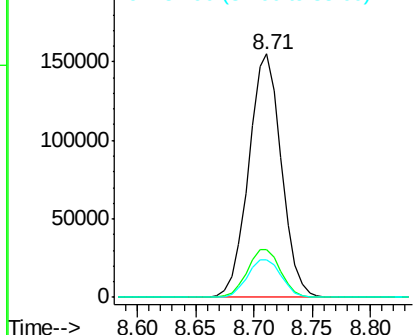
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.71 min Scan# 1144  
Delta R.T. -0.00 min  
Lab File: VY001467.D  
Acq: 03 Feb 2020 12:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GRAB-01

Tot Ion:114 Resp: 303173  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 40.8  
88 15.3 0.0 31.0

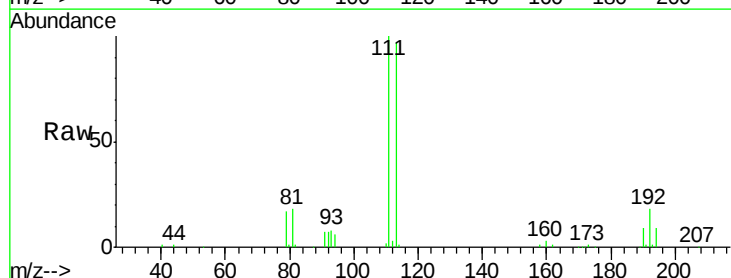


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VY0  
Ion 87.90 (87.60 to 88.60): VY0

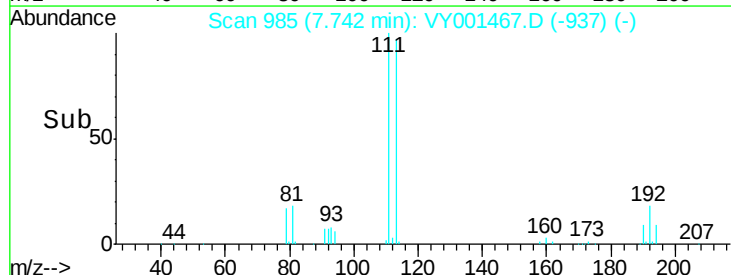
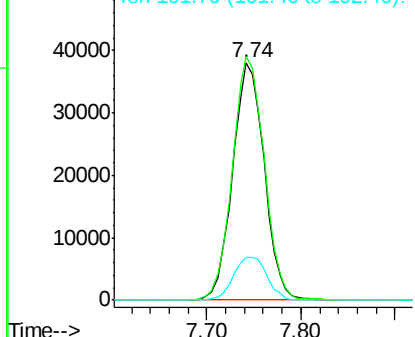


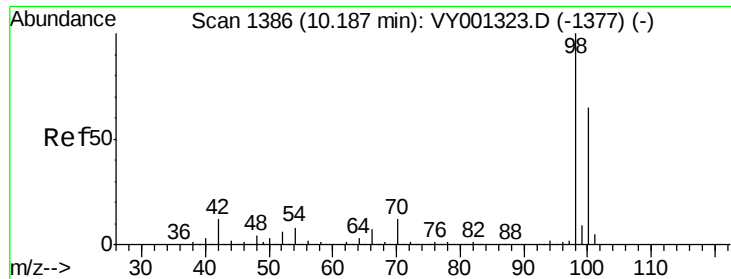
#35  
Dibromofluoromethane  
Concen: 49.831 ug/l  
RT: 7.74 min Scan# 985  
Delta R.T. -0.01 min  
Lab File: VY001467.D  
Acq: 03 Feb 2020 12:31

Tgt Ion:113 Resp: 88668  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.8 124.2  
192 19.4 15.5 23.3



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: 52.091 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

Instrument :

MSVOA\_Y

ClientSampleId :

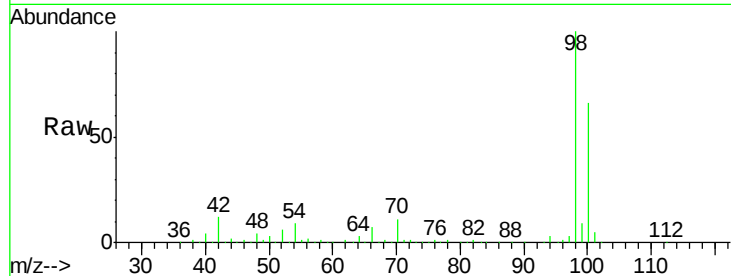
GRAB-01

Tot Ion: 98 Resp: 360116

Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

250000

200000

150000

100000

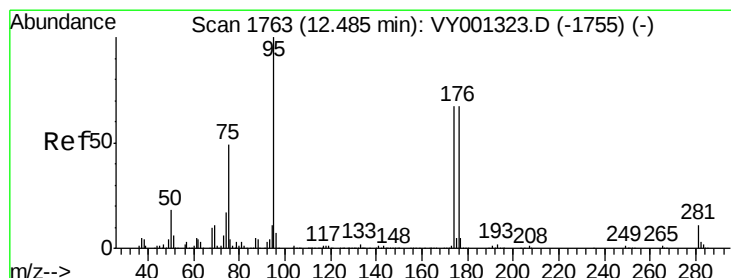
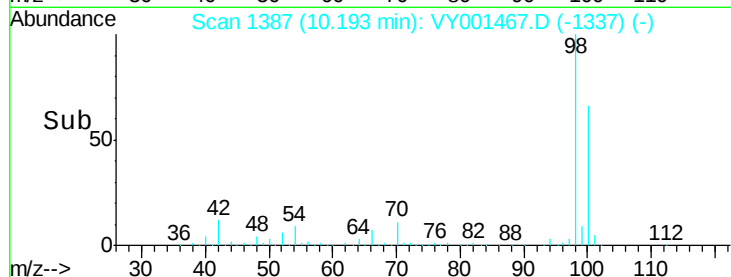
50000

0

10.10

10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 45.024 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

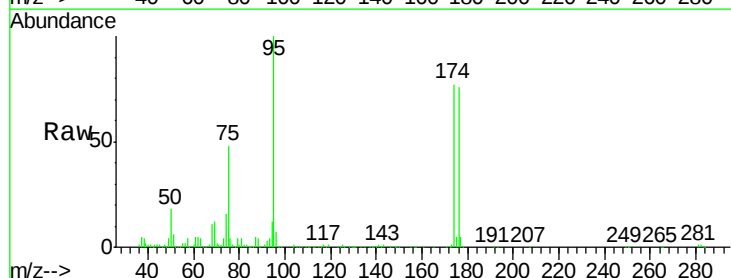
Tgt Ion: 95 Resp: 123954

Ion Ratio Lower Upper

95 100

174 73.7 0.0 142.0

176 71.7 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

40000

20000

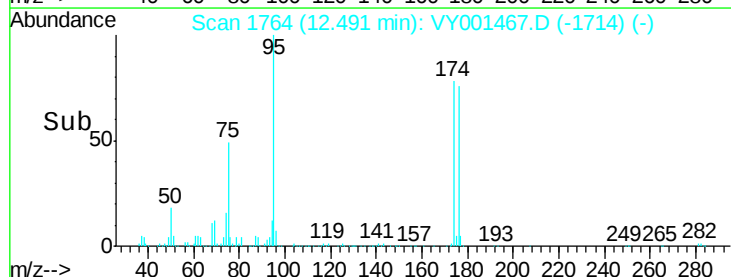
0

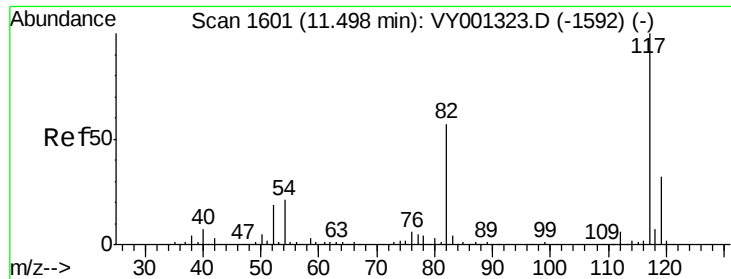
12.45

12.50

12.55

Time-->

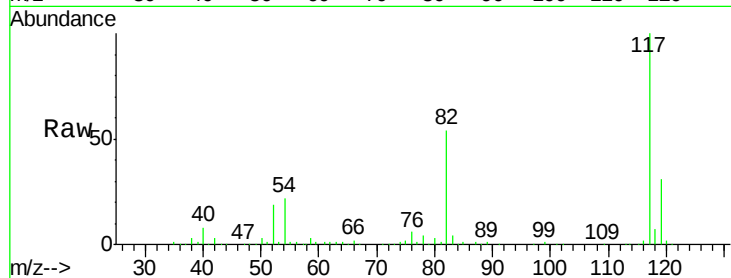




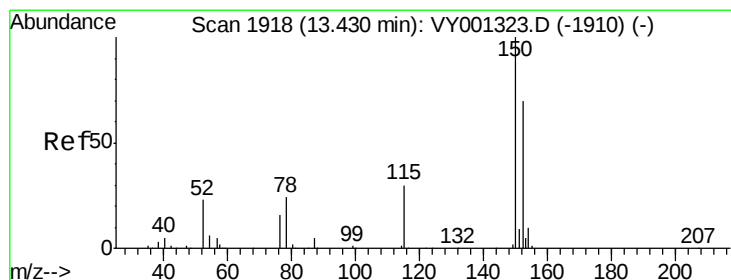
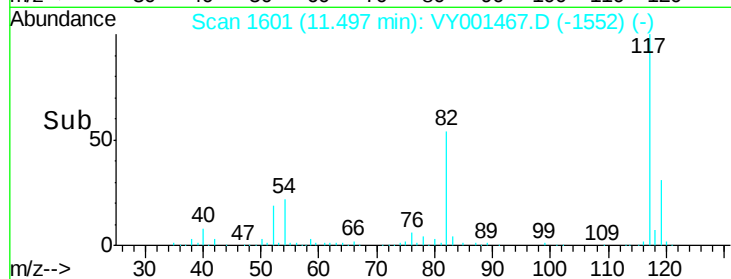
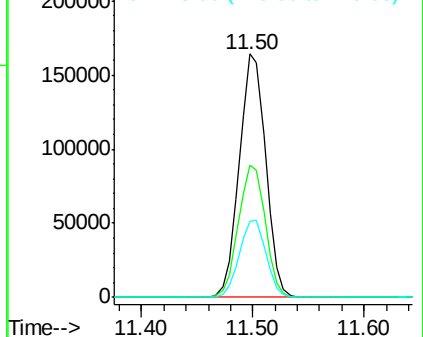
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.00 min  
Lab File: VY001467.D  
Acq: 03 Feb 2020 12:31

Instrument :  
MSVOA\_Y  
ClientSampled :  
GRAB-01

Tot Ion:117 Resp: 270036  
Ion Ratio Lower Upper  
117 100  
82 54.2 45.5 68.3  
119 31.4 25.8 38.6

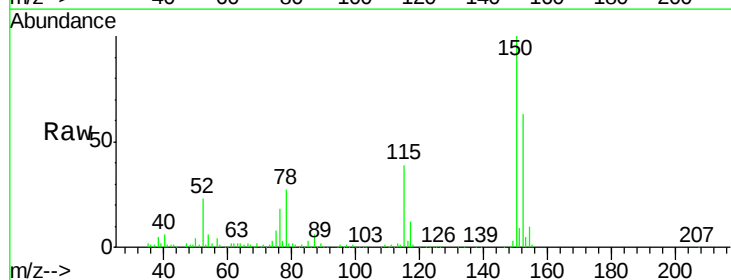


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V

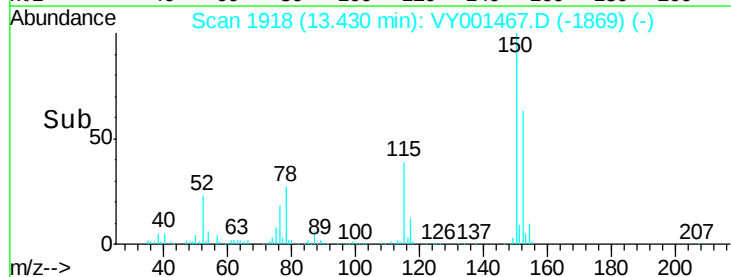
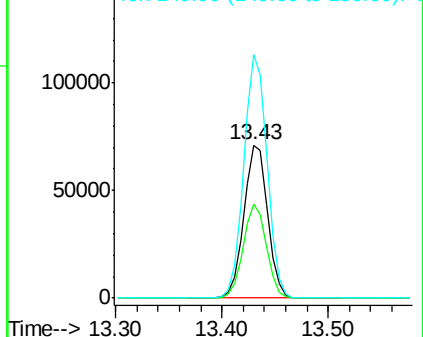


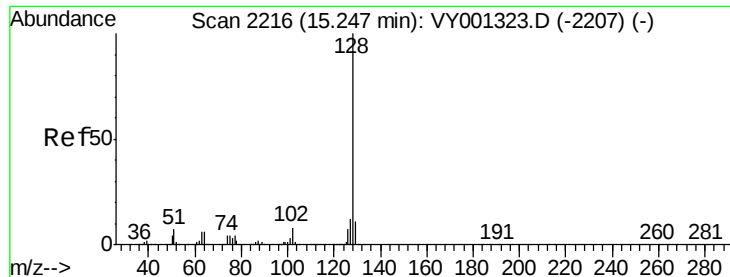
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.00 min  
Lab File: VY001467.D  
Acq: 03 Feb 2020 12:31

Tgt Ion:152 Resp: 111809  
Ion Ratio Lower Upper  
152 100  
115 59.7 30.9 92.8  
150 155.4 0.0 349.2



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





#95

Naphthalene

Concen: 1.336 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

Instrument :

MSVOA\_Y

ClientSampleId :

GRAB-01

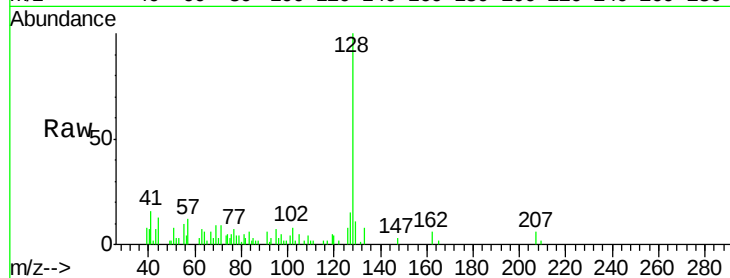
Tot Ion:128 Resp: 7117

Ion Ratio Lower Upper

128 100

127 15.2 10.2 15.2

129 13.8 8.7 13.1#



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

