

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\  
 Data File : VY001180.D  
 Acq On : 13 Jan 2020 14:54  
 Operator : SY/MD  
 Sample : L1073-02  
 Misc : 6.17G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CIY1-SB-02-8.5-9

Quant Time: Jan 14 11:13:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 10 16:01:58 2020  
 Response via : Initial Calibration

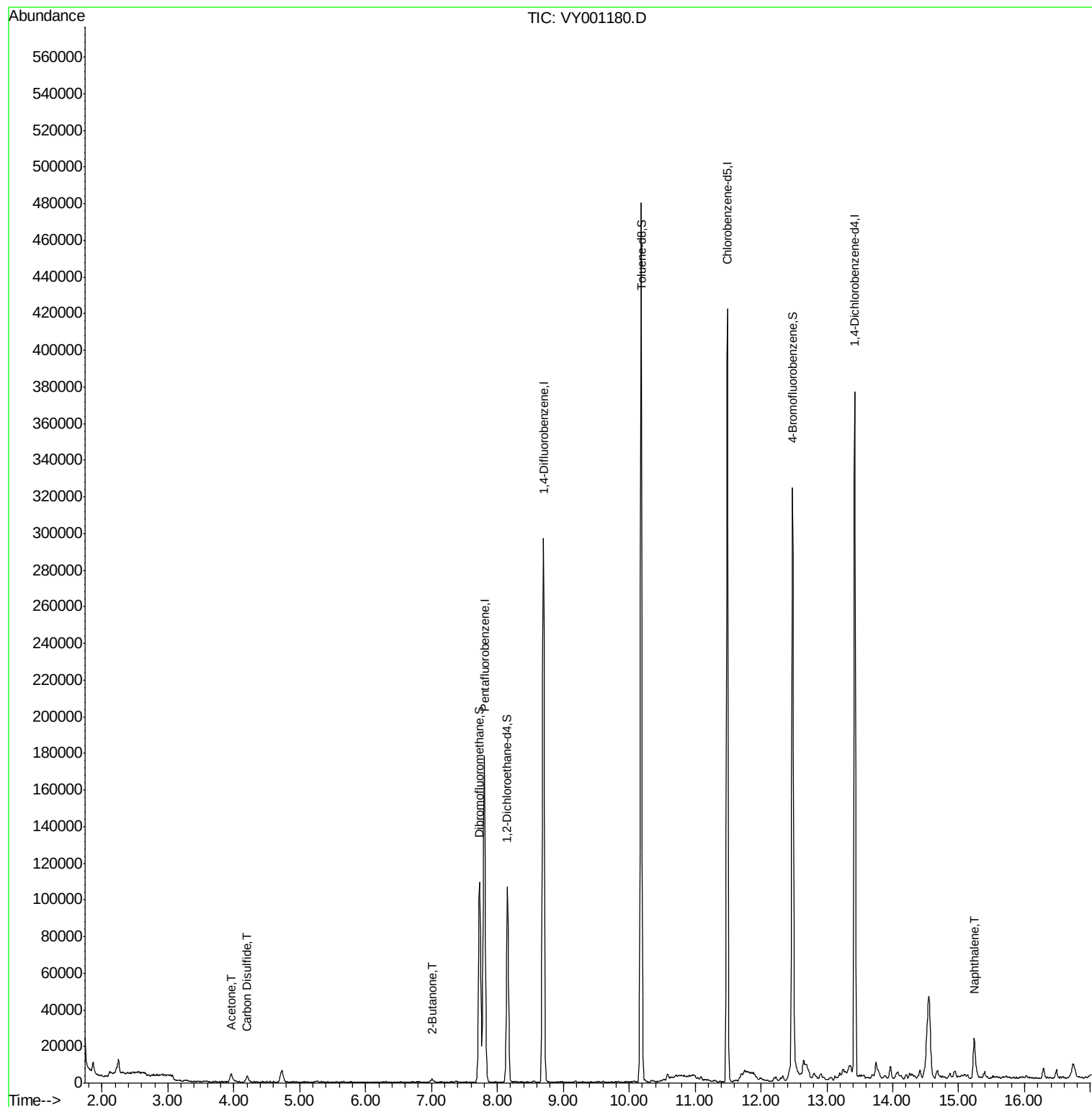
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 141903   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 258648   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 226514   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 92460    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 77809    | 51.92  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.84% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 78502    | 51.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.68% |          |
| 50) Toluene-d8              | 10.18 | 98   | 305741   | 52.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.80% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 102986   | 43.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.34%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.96  | 43   | 8308     | 23.869 | ug/l    | 96       |
| 17) Carbon Disulfide        | 4.20  | 76   | 5759     | 1.227  | ug/l #  | 92       |
| 25) 2-Butanone              | 7.01  | 43   | 2707     | 4.997  | ug/l    | 94       |
| 95) Naphthalene             | 15.23 | 128  | 9444     | 2.281  | ug/l    | 97       |

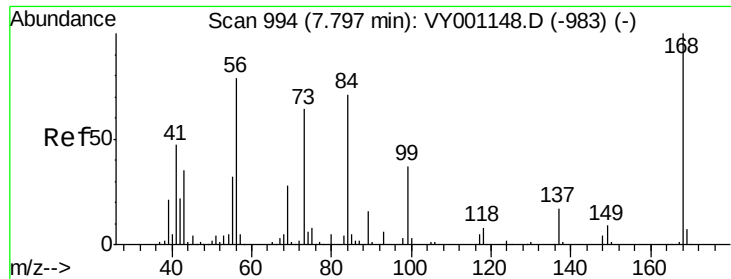
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY011320\  
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MSVOA\_Y  
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CIY1-SB-02-8.5-9

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Quant Title : SW846 8260  
QLast Update : Fri Jan 10 16:01:58 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001180.D

Acq: 13 Jan 2020 14:54

Instrument :

MSVOA\_Y

ClientSampleId :

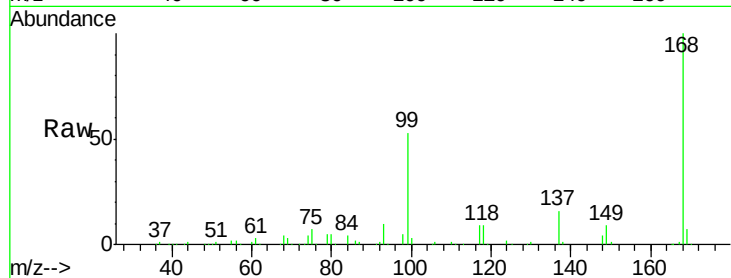
CIY1-SB-02-8.5-9

Tot Ion:168 Resp: 141903

Ion Ratio Lower Upper

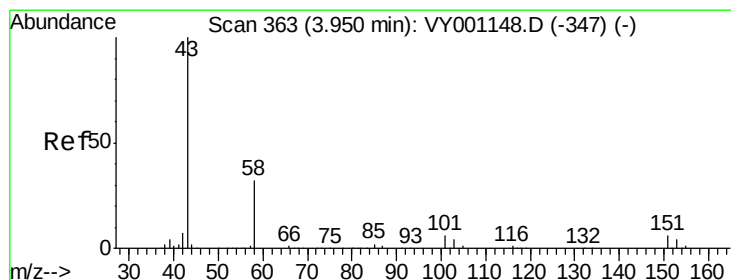
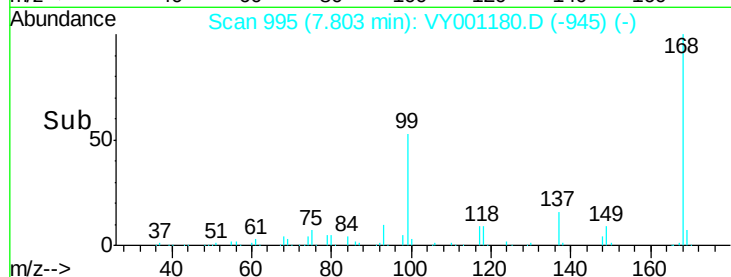
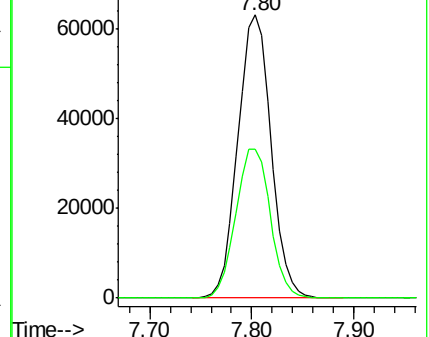
168 100

99 52.8 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001180.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001180.D (-983) (-)



#16

Acetone

Concen: 23.869 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001180.D

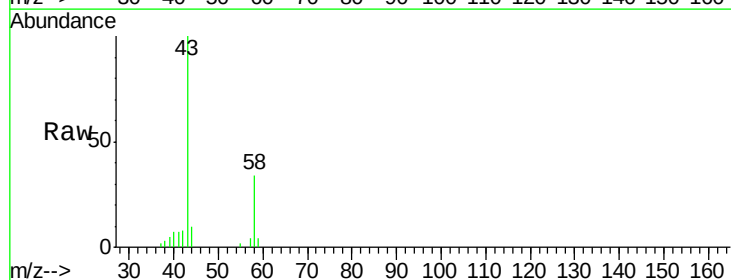
Acq: 13 Jan 2020 14:54

Tgt Ion: 43 Resp: 8308

Ion Ratio Lower Upper

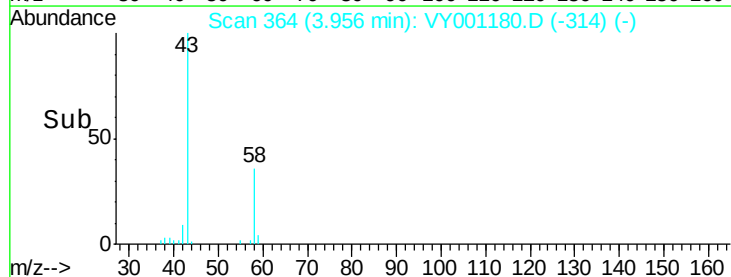
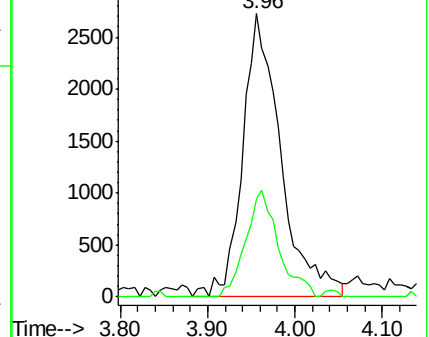
43 100

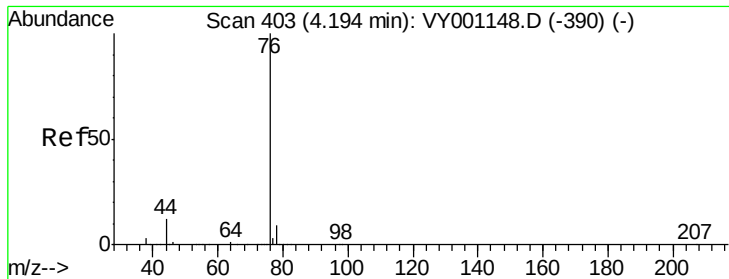
58 34.4 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001180.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001180.D (-347) (-)





#17

Carbon Disulfide

Concen: 1.227 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001180.D

Acq: 13 Jan 2020 14:54

Instrument :

MSVOA\_Y

ClientSampleId :

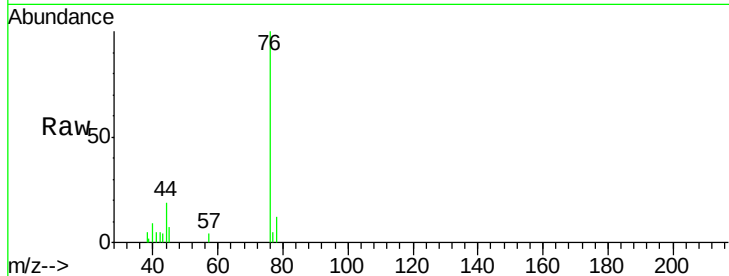
CIY1-SB-02-8.5-9

Tot Ion: 76 Resp: 5759

Ion Ratio Lower Upper

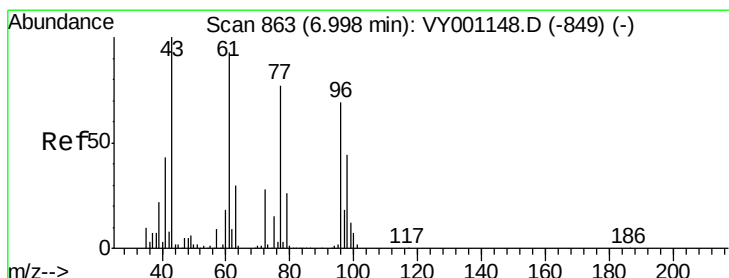
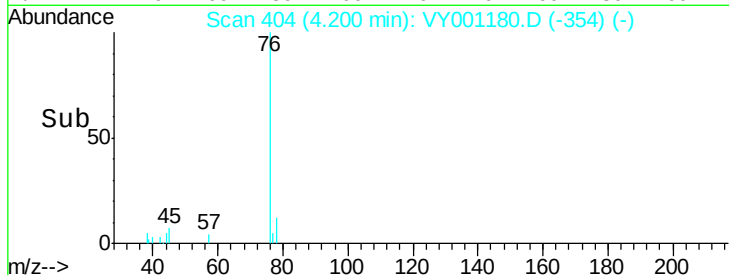
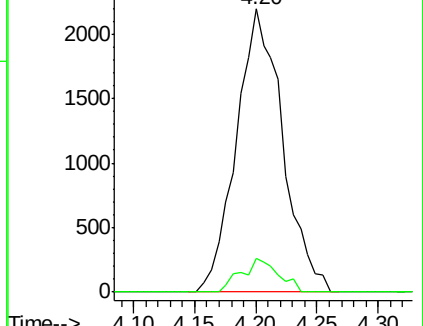
76 100

78 11.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#25

2-Butanone

Concen: 4.997 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY001180.D

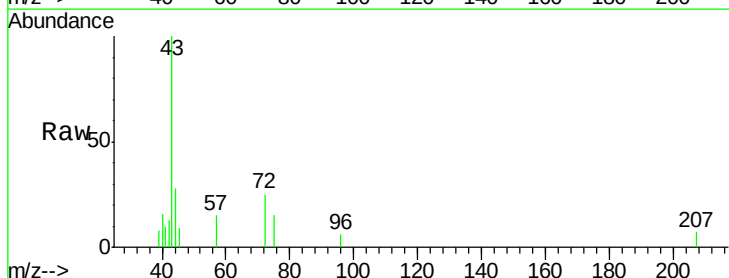
Acq: 13 Jan 2020 14:54

Tgt Ion: 43 Resp: 2707

Ion Ratio Lower Upper

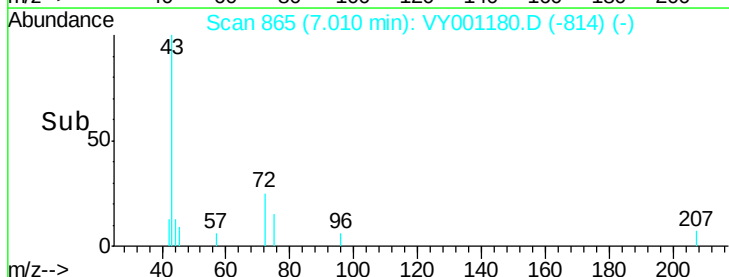
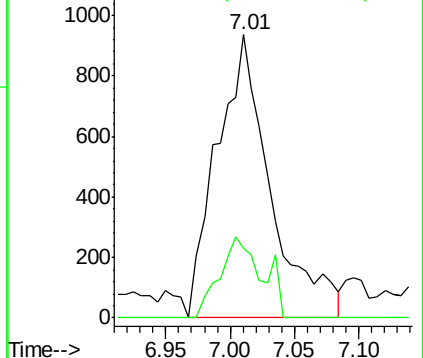
43 100

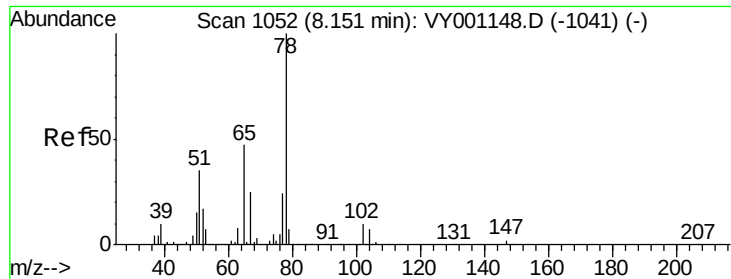
72 24.8 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

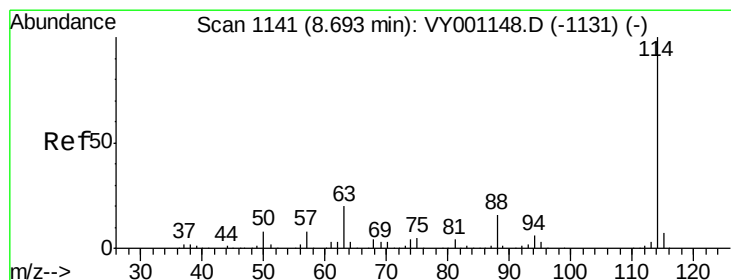
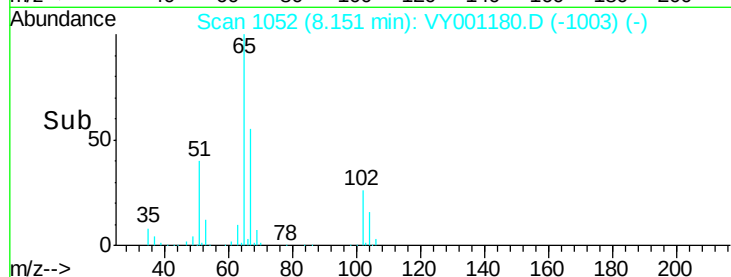
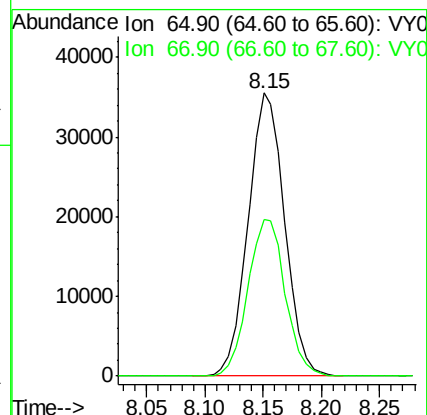
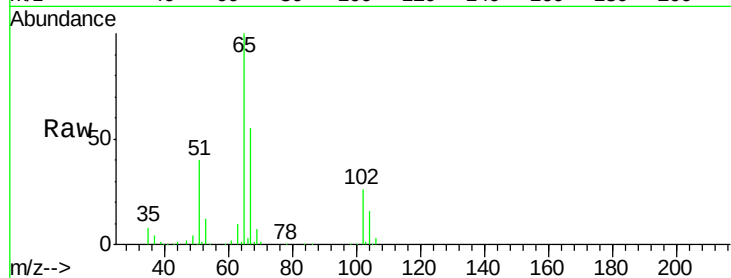




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.916 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. -0.00 min  
 Lab File: VY001180.D  
 Acq: 13 Jan 2020 14:54

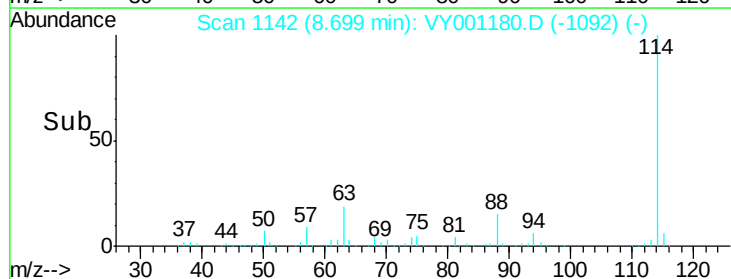
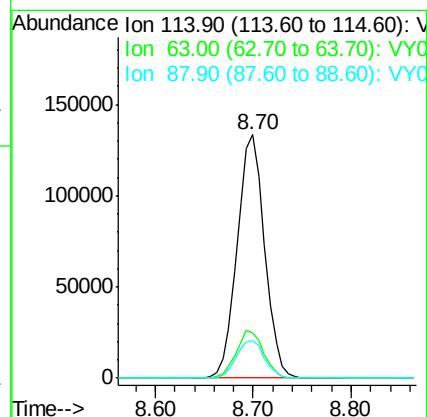
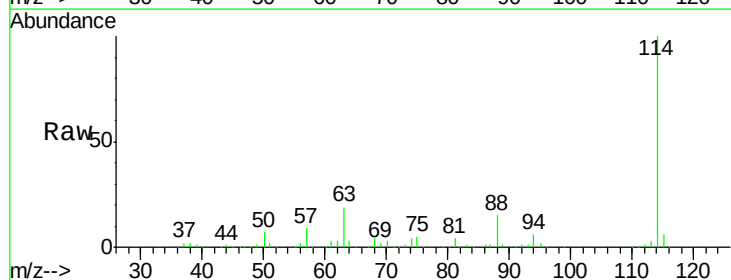
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CIY1-SB-02-8.5-9

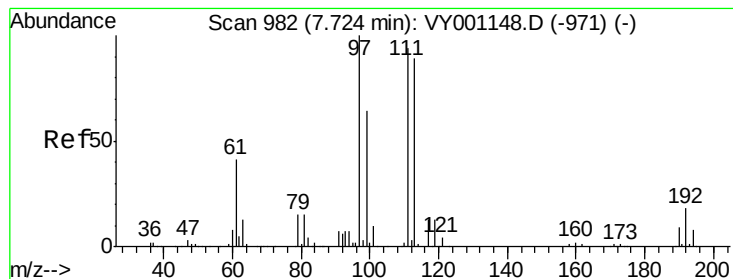
Tot Ion: 65 Resp: 77809  
 Ion Ratio Lower Upper  
 65 100  
 67 56.6 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. 0.01 min  
 Lab File: VY001180.D  
 Acq: 13 Jan 2020 14:54

Tgt Ion: 114 Resp: 258648  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 40.8  
 88 15.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.838 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001180.D

Acq: 13 Jan 2020 14:54

Instrument :

MSVOA\_Y

ClientSampleId :

CIY1-SB-02-8.5-9

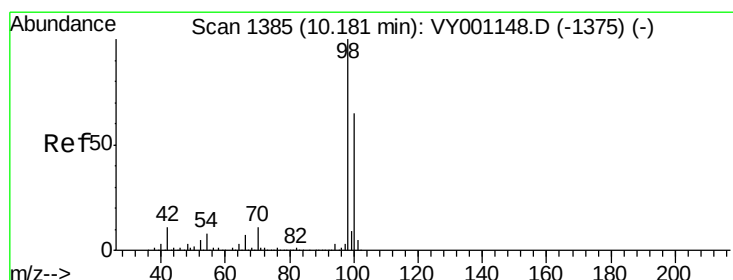
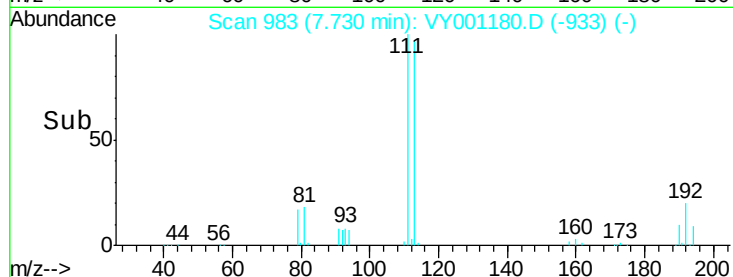
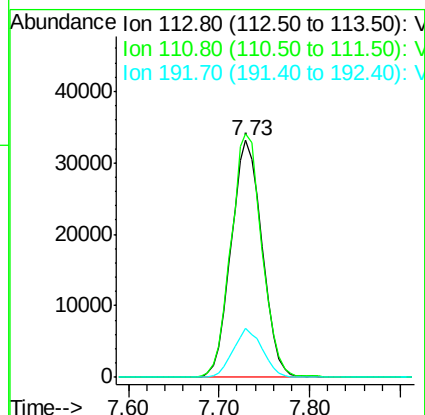
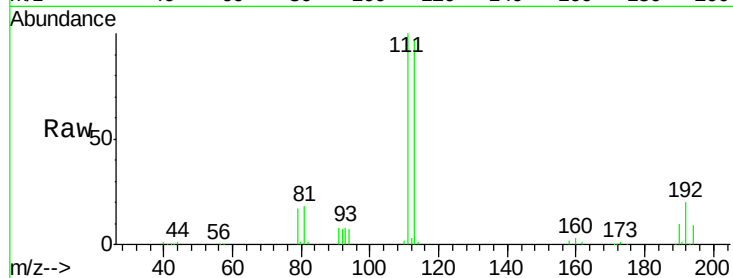
Tot Ion:113 Resp: 78502

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

192 19.7 15.4 23.2



#50

Toluene-d8

Concen: 52.397 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001180.D

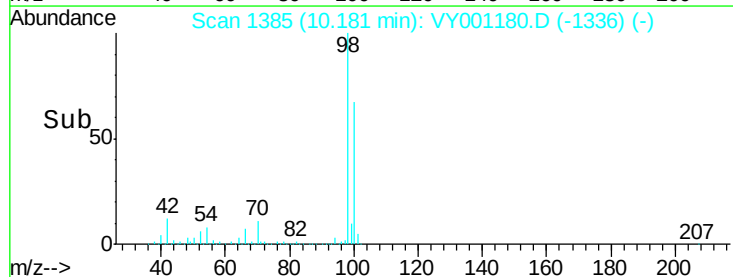
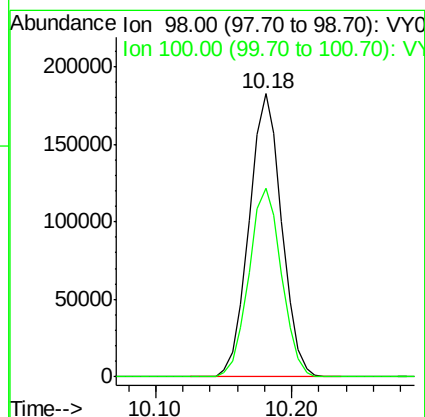
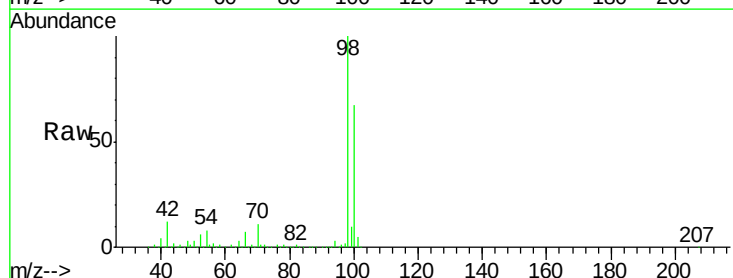
Acq: 13 Jan 2020 14:54

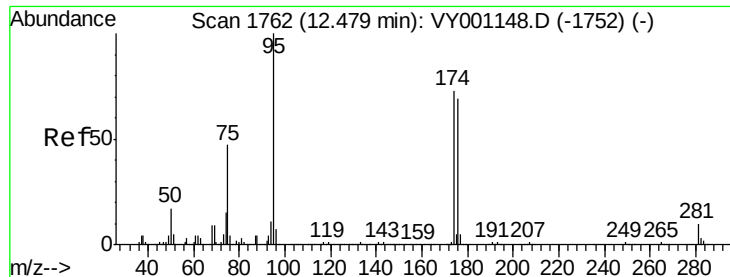
Tgt Ion: 98 Resp: 305741

Ion Ratio Lower Upper

98 100

100 67.0 53.1 79.7

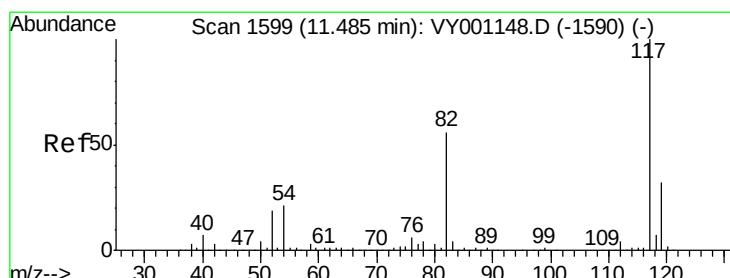
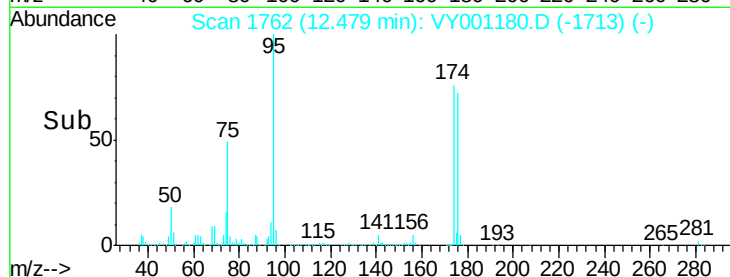
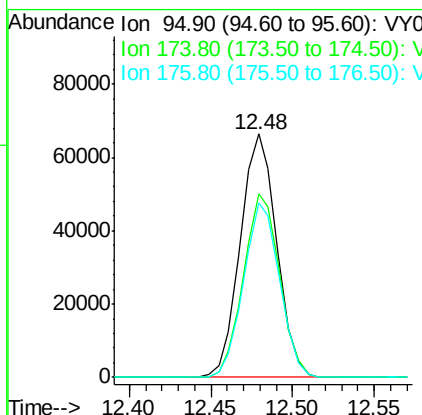
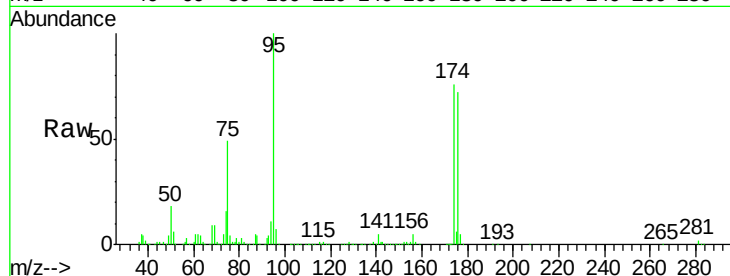




#62  
4-Bromofluorobenzene  
Concen: 43.170 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VY001180.D  
Acq: 13 Jan 2020 14:54

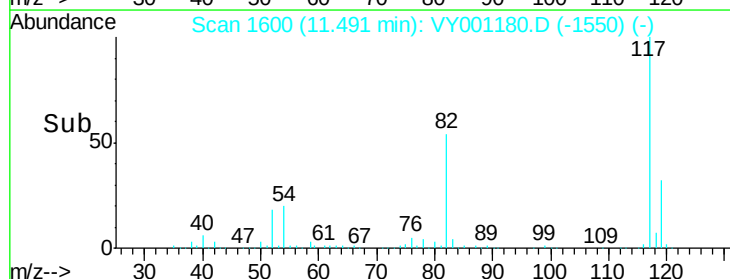
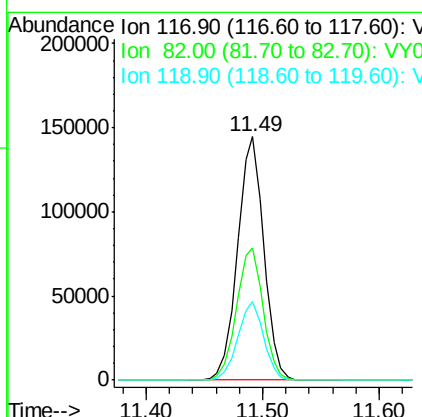
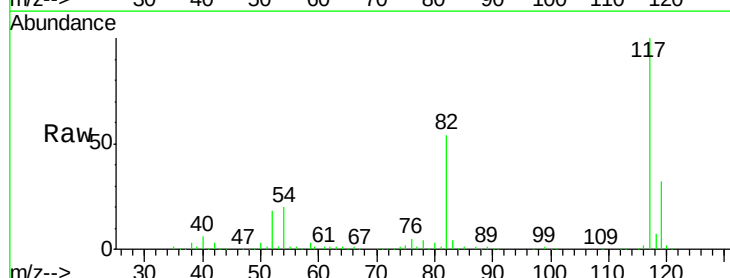
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CIY1-SB-02-8.5-9

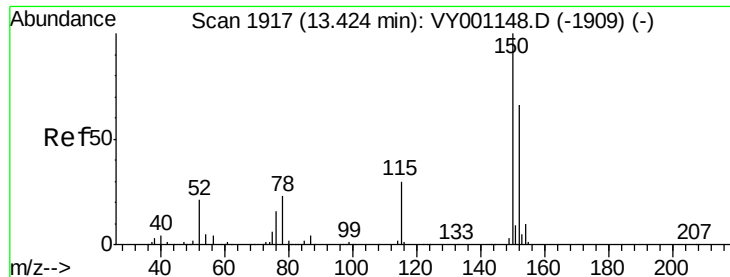
| Tot Ion   | 95    | Resp  | 102986 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 75.2  | 0.0   | 143.2  |
| 176       | 71.3  | 0.0   | 136.0  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.01 min  
Lab File: VY001180.D  
Acq: 13 Jan 2020 14:54

| Tgt Ion   | 117   | Resp  | 226514 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 54.2  | 44.9  | 67.3   |
| 119       | 32.4  | 25.7  | 38.5   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001180.D

Acq: 13 Jan 2020 14:54

Instrument :

MSVOA\_Y

ClientSampleId :

CIY1-SB-02-8.5-9

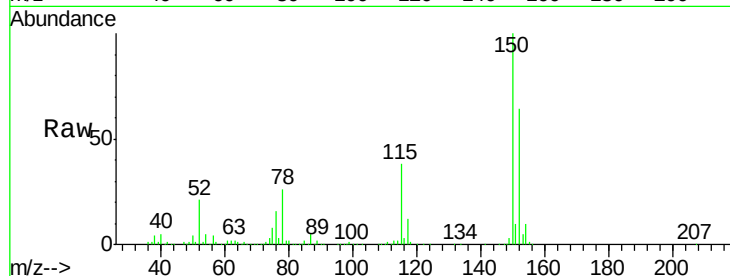
Tot Ion:152 Resp: 92460

Ion Ratio Lower Upper

152 100

115 59.8 30.9 92.5

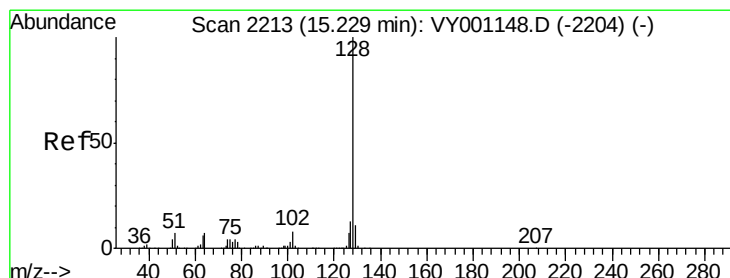
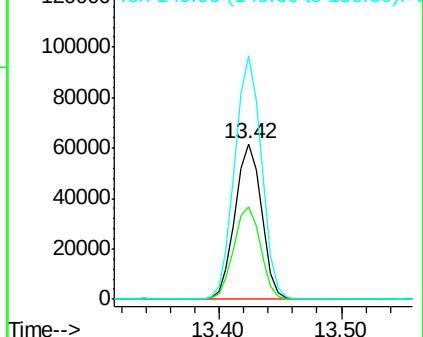
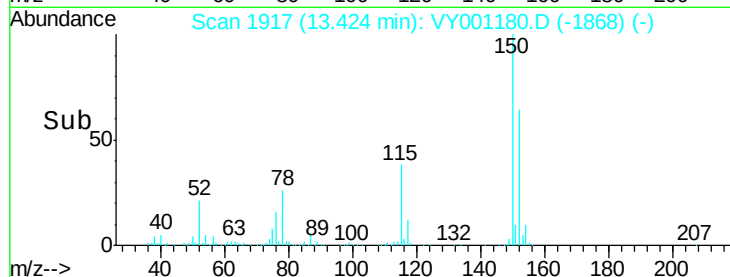
150 157.6 0.0 346.8



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



#95

Naphthalene

Concen: 2.281 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY001180.D

Acq: 13 Jan 2020 14:54

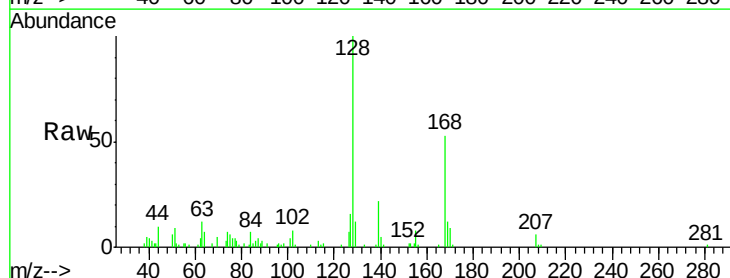
Tgt Ion:128 Resp: 9444

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 11.7 8.5 12.7



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

