

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091919\  
 Data File : VY000080.D  
 Acq On : 19 Sep 2019 16:19  
 Operator : SY/MD  
 Sample : K4878-10  
 Misc : 4.73g/5.00ml/MSVOA Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA-2-8-1

Quant Time: Sep 20 03:21:41 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  | 101362   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 207960   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 157137   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 48265    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65  | 62940    | 53.97 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.94% |      |
| 35) Dibromofluoromethane    | 7.72   | 113 | 59973    | 47.63 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.26%  |      |
| 50) Toluene-d8              | 10.18  | 98  | 234569   | 47.43 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.86%  |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 62206    | 33.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 67.76%  |      |

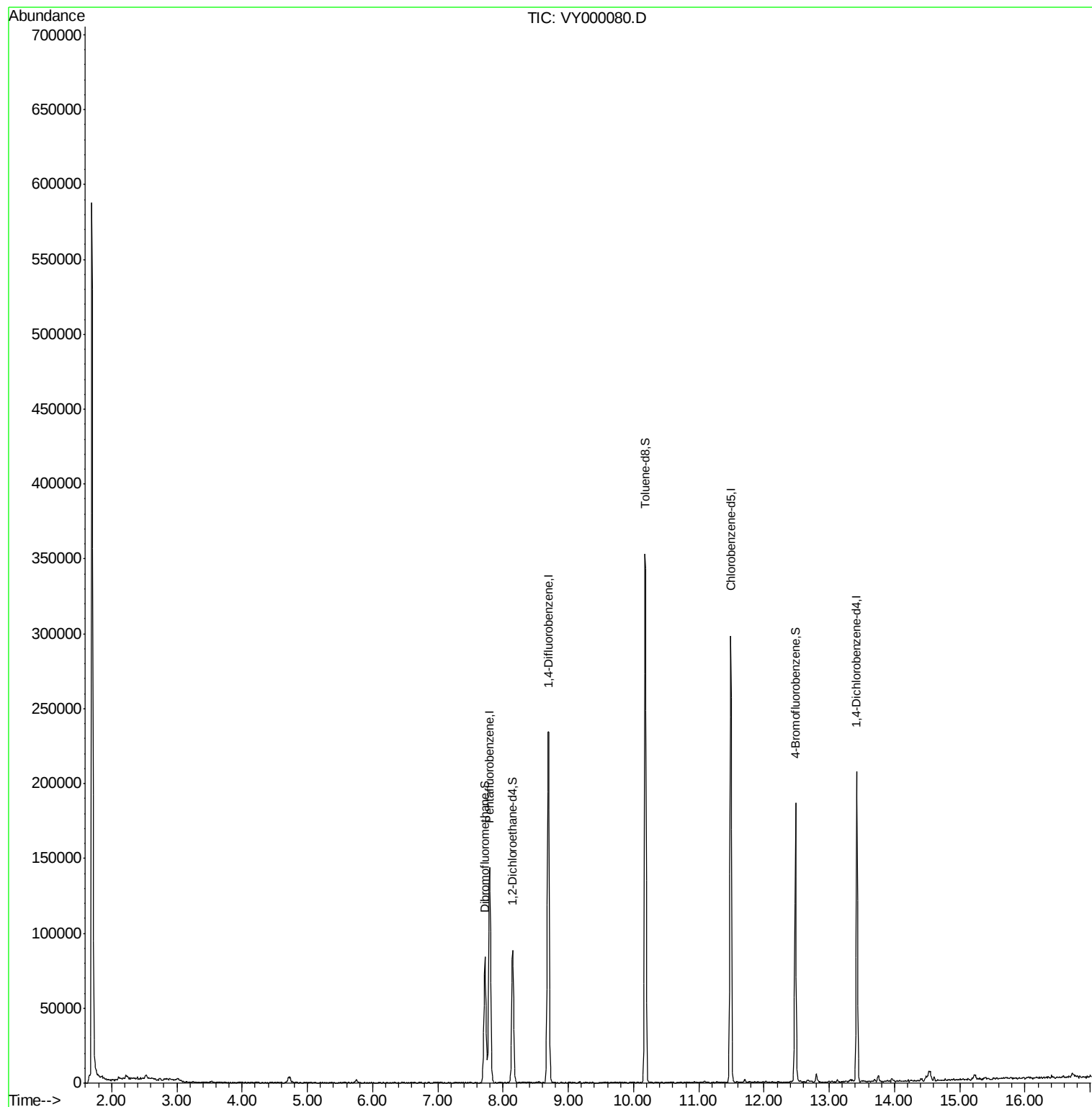
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

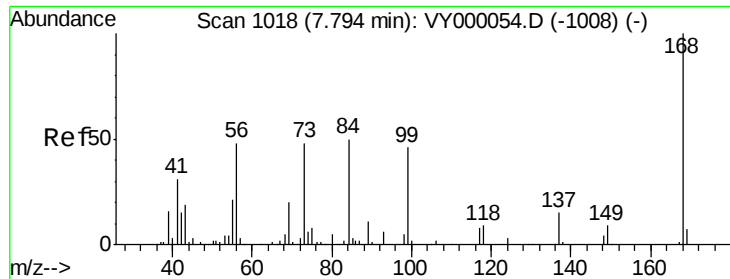
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091919\  
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Quant Title : SW846 8260  
QLast Update : Thu Sep 19 05:38:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

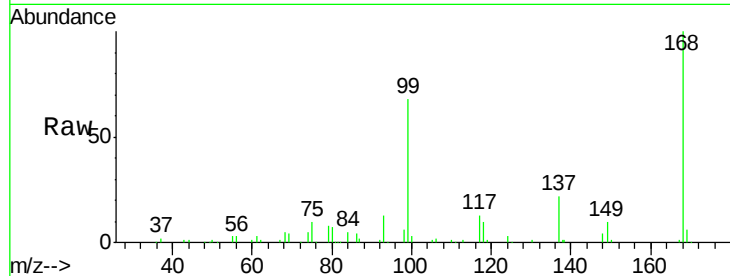
CSA-2-8-1

Tot Ion:168 Resp: 101362

Ion Ratio Lower Upper

168 100

99 68.4 44.2 66.2#

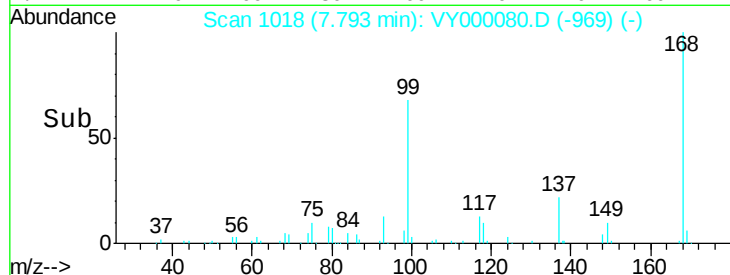


Abundance Ion 167.90 (167.60 to 168.60): VY000080.D (-969) (-)

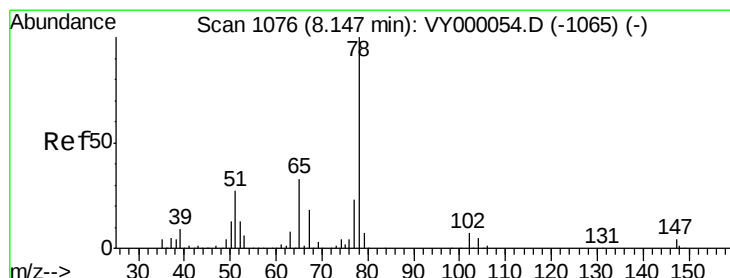
Ion 98.90 (98.60 to 99.60): VY000080.D (-969) (-)

7.79

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.971 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000080.D

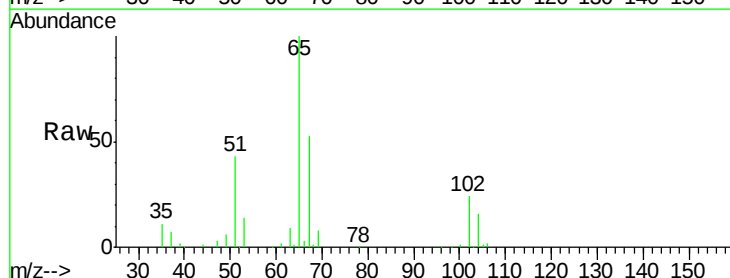
Acq: 19 Sep 2019 16:19

Tgt Ion: 65 Resp: 62940

Ion Ratio Lower Upper

65 100

67 55.0 0.0 111.0

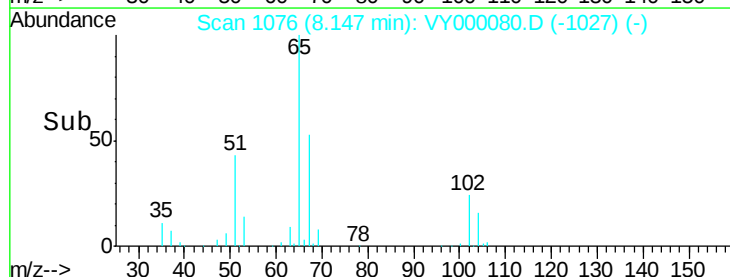


Abundance Ion 64.90 (64.60 to 65.60): VY000080.D (-1027) (-)

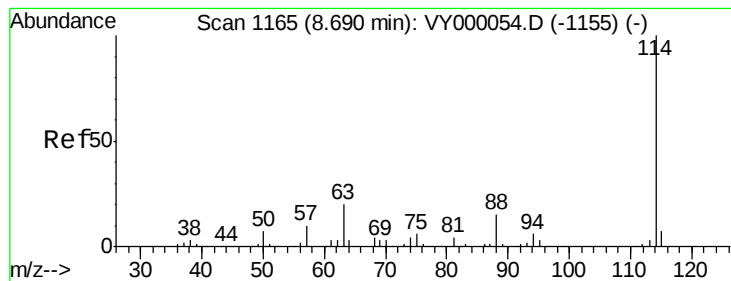
Ion 66.90 (66.60 to 67.60): VY000080.D (-1027) (-)

8.15

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

CSA-2-8-1

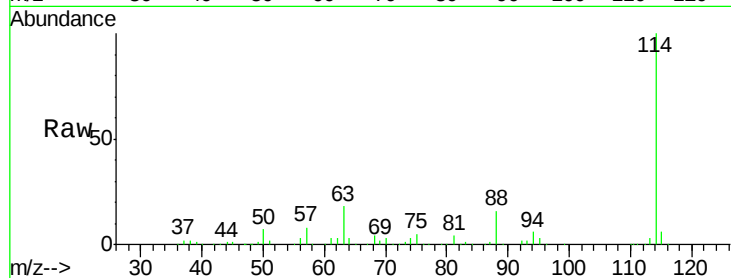
Tot Ion:114 Resp: 207960

Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.4

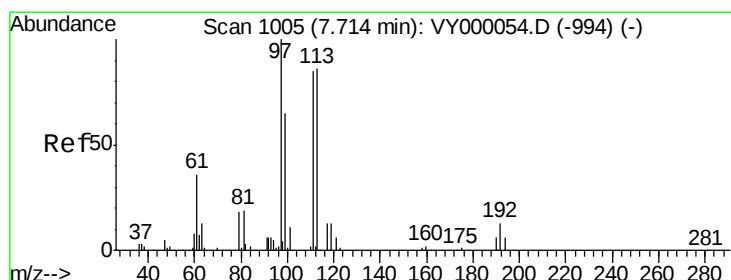
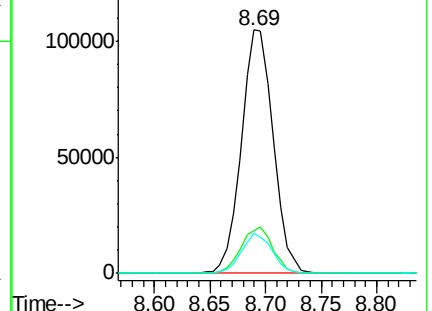
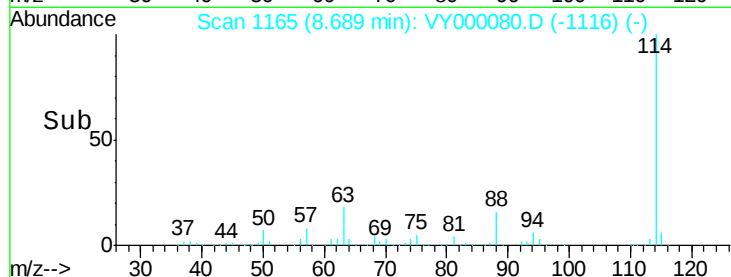
88 16.5 0.0 30.2



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: 47.630 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

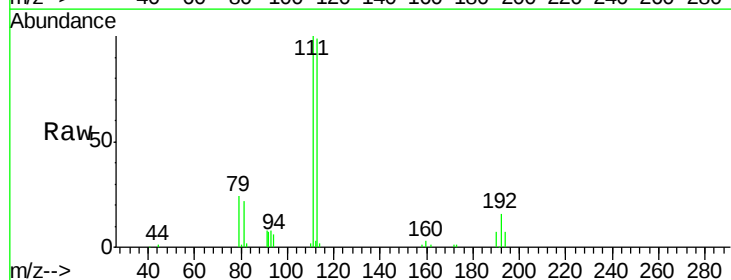
Tgt Ion:113 Resp: 59973

Ion Ratio Lower Upper

113 100

111 100.8 81.7 122.5

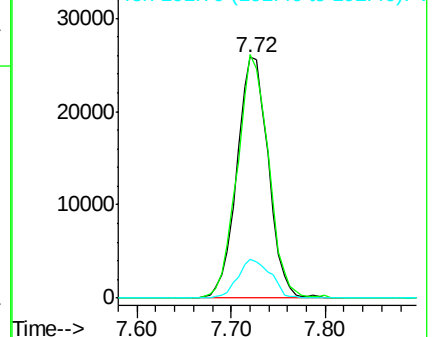
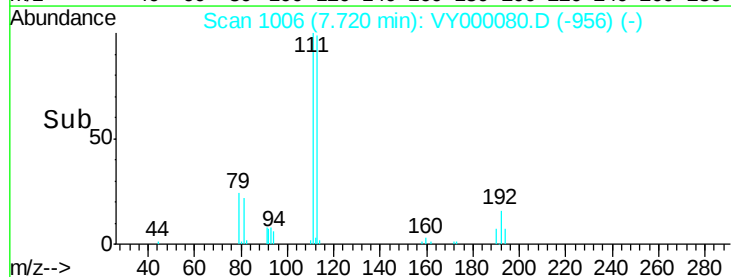
192 16.8 13.4 20.2

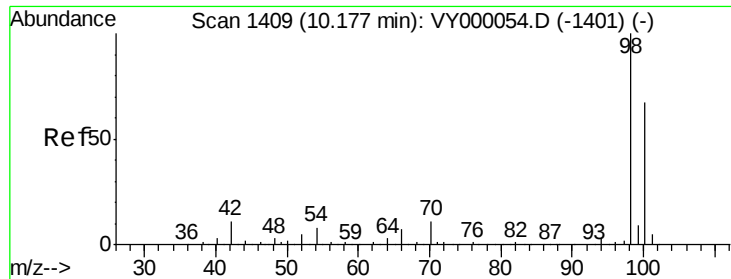


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.431 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

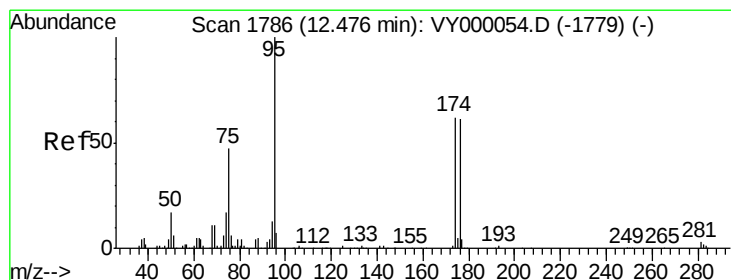
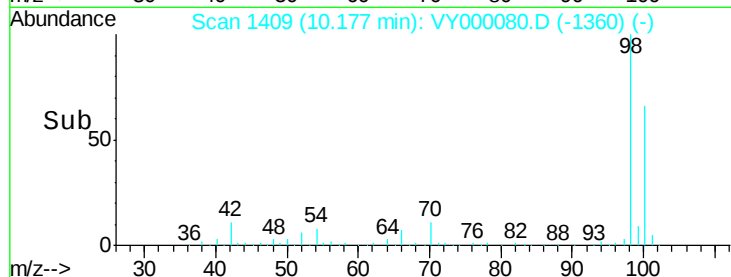
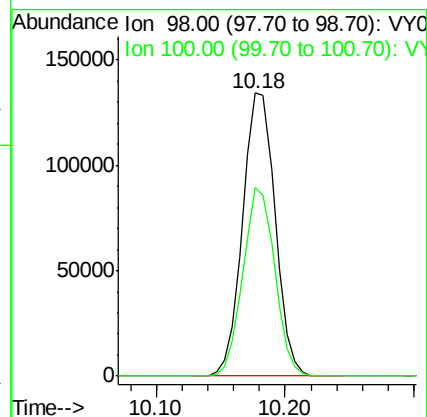
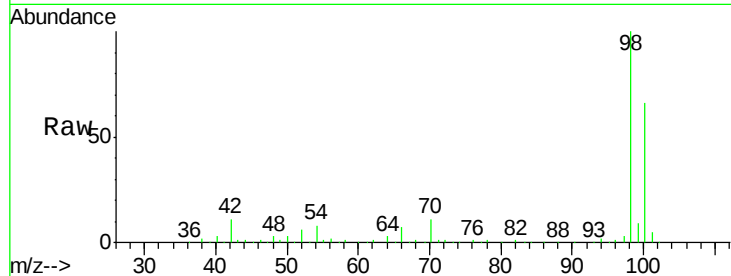
CSA-2-8-1

Tot Ion: 98 Resp: 234569

Ion Ratio Lower Upper

98 100

100 65.1 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 33.879 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

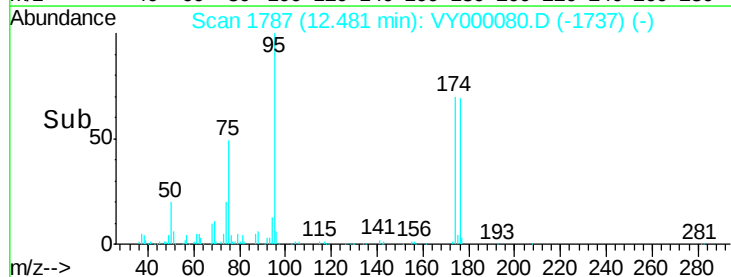
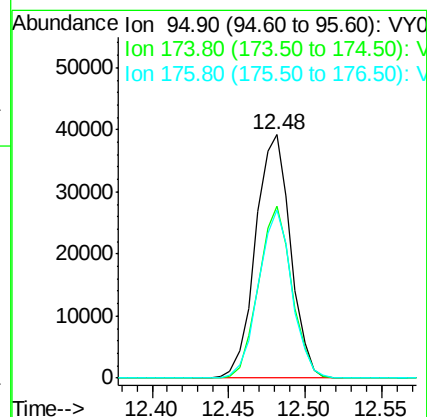
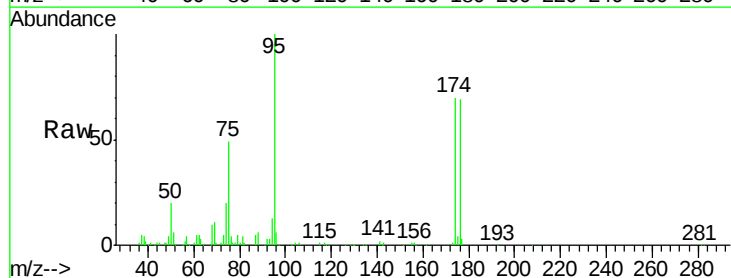
Tgt Ion: 95 Resp: 62206

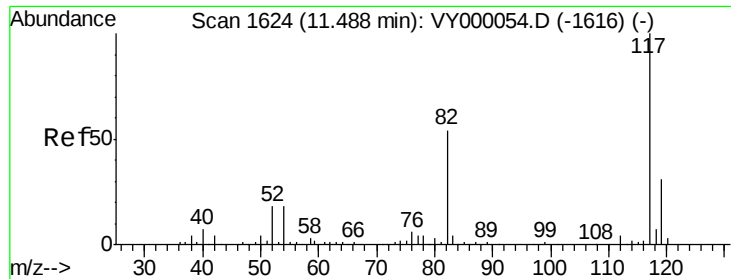
Ion Ratio Lower Upper

95 100

174 67.3 0.0 137.2

176 66.2 0.0 135.0

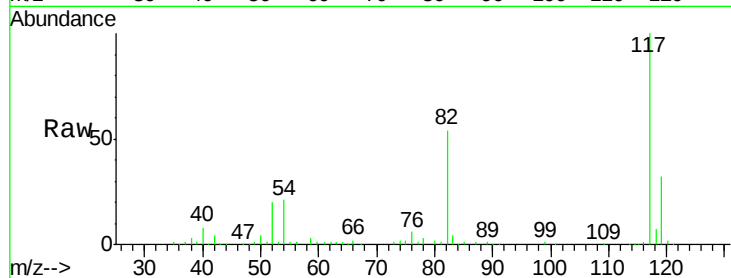




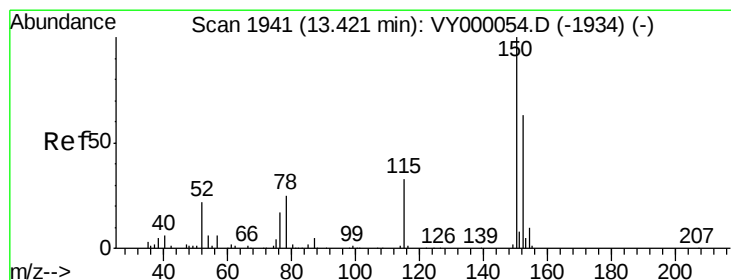
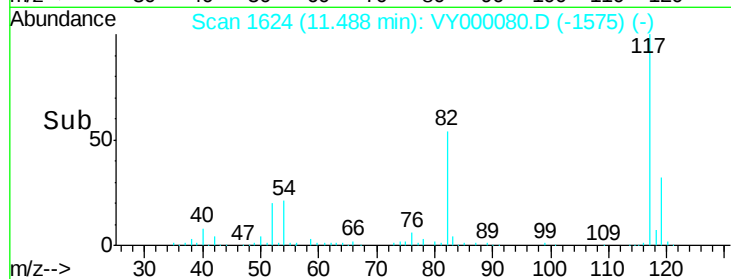
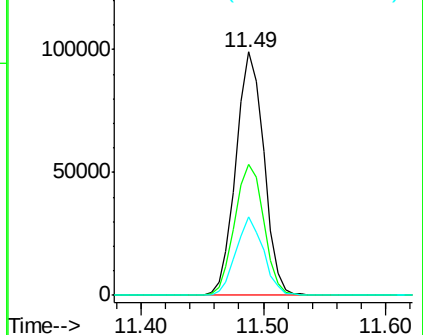
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1624  
Delta R.T. -0.00 min  
Lab File: VY000080.D  
Acq: 19 Sep 2019 16:19

Instrument :  
MSVOA\_Y  
ClientSampled :  
CSA-2-8-1

Tot Ion:117 Resp: 157137  
Ion Ratio Lower Upper  
117 100  
82 54.1 43.5 65.3  
119 32.2 24.6 36.8

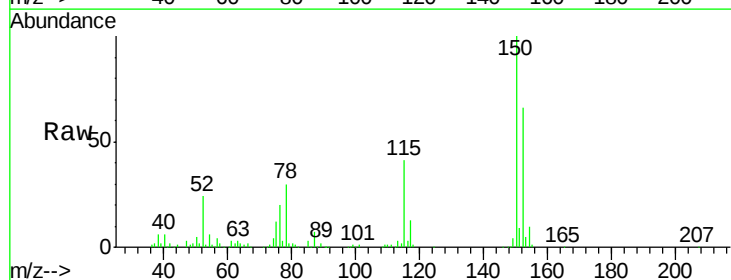


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1941  
Delta R.T. -0.00 min  
Lab File: VY000080.D  
Acq: 19 Sep 2019 16:19

Tgt Ion:152 Resp: 48265  
Ion Ratio Lower Upper  
152 100  
115 61.6 30.7 92.1  
150 152.0 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

