

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\  
 Data File : VY000110.D  
 Acq On : 20 Sep 2019 16:05  
 Operator : SY/MD  
 Sample : K4878-14RE  
 Misc : 5.26g/5.00ml/MSVOA Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA-2-9-2RE

Quant Time: Sep 21 00:26:54 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

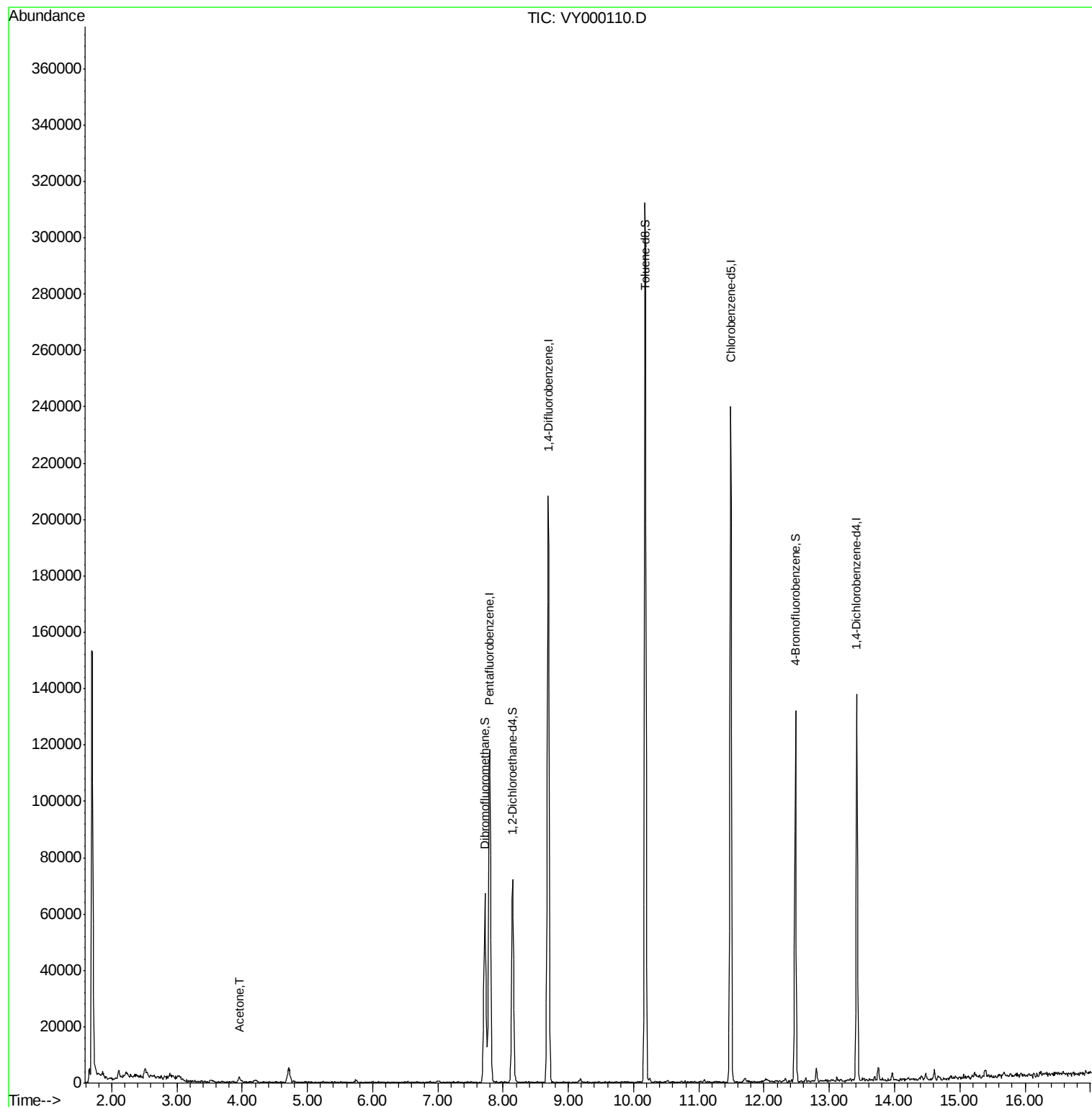
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.79  | 168  | 84264    | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 173654   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 122568   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 31515    | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 48781    | 50.32  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.64% |           |
| 35) Dibromofluoromethane    | 7.72  | 113  | 48023    | 45.67  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.34%  |           |
| 50) Toluene-d8              | 10.18 | 98   | 203482   | 49.27  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.54%  |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 46881    | 30.58  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 61.16%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 3.95  | 43   | 2833     | 12.551 | ug/l    | Qvalue 89 |

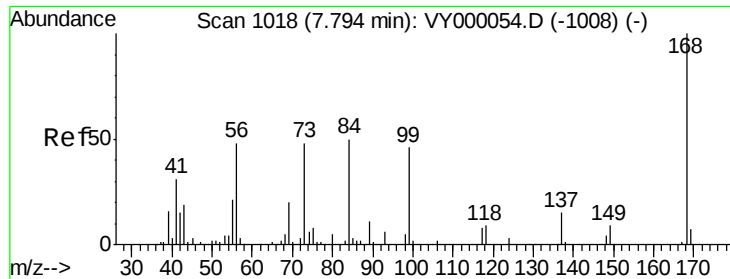
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

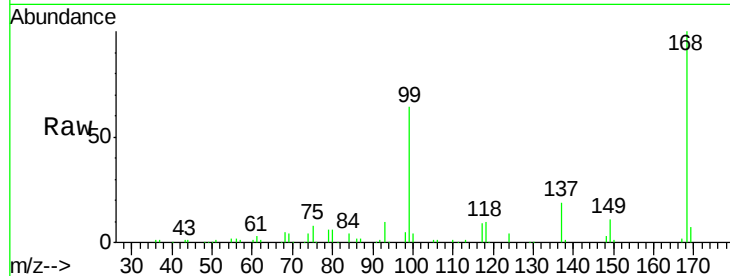
CSA-2-9-2RE

Tot Ion:168 Resp: 84264

Ion Ratio Lower Upper

168 100

99 63.6 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000110.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000110.D (-969) (-)

7.79

40000

30000

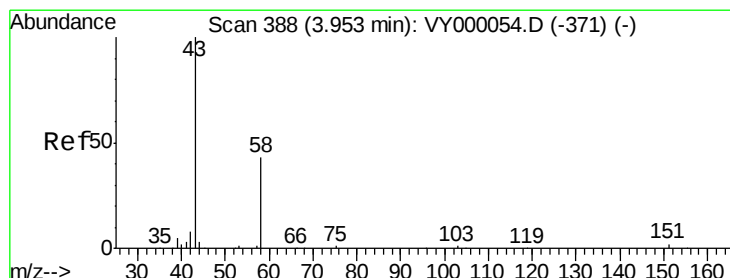
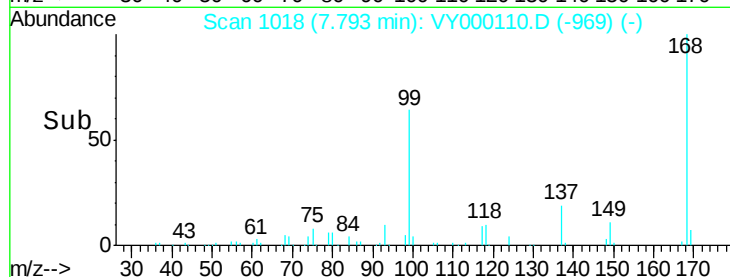
20000

10000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#16

Acetone

Concen: 12.551 ug/l

RT: 3.95 min Scan# 388

Delta R.T. -0.00 min

Lab File: VY000110.D

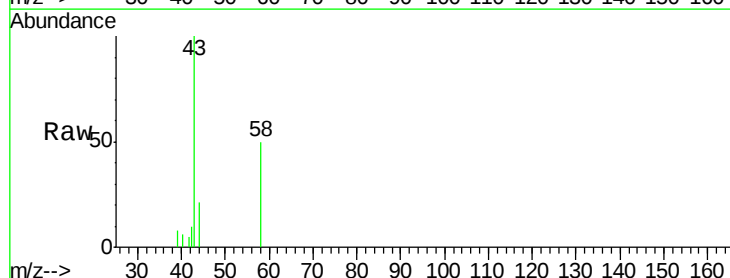
Acq: 20 Sep 2019 16:05

Tgt Ion: 43 Resp: 2833

Ion Ratio Lower Upper

43 100

58 49.9 34.5 51.7



Abundance Ion 43.00 (42.70 to 43.70): VY000110.D (-339) (-)

Ion 58.00 (57.70 to 58.70): VY000110.D (-339) (-)

3.95

1000

800

600

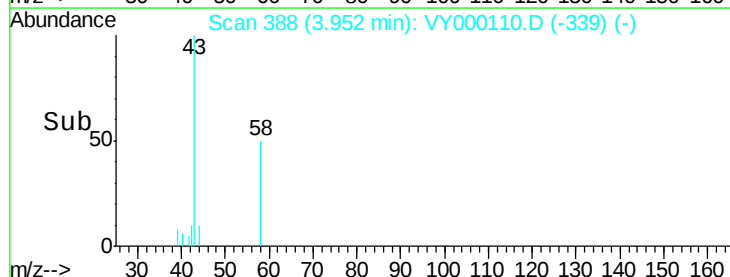
400

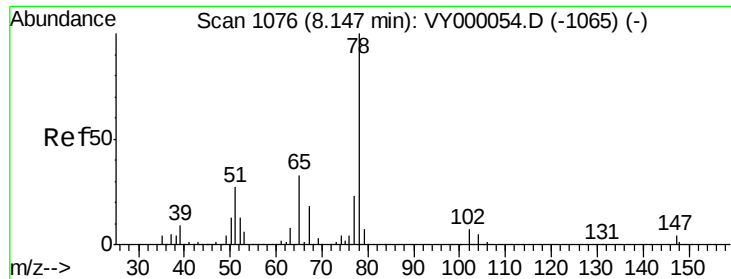
200

0

3.85 3.90 3.95 4.00 4.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.317 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

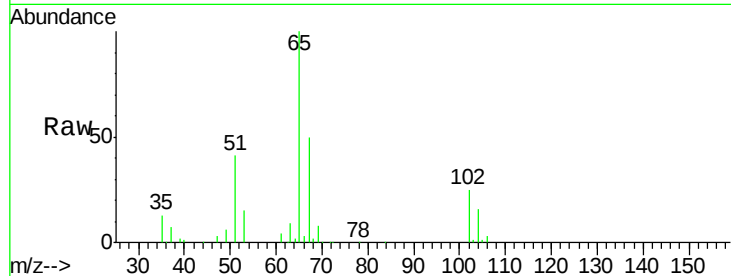
CSA-2-9-2RE

Tot Ion: 65 Resp: 48781

Ion Ratio Lower Upper

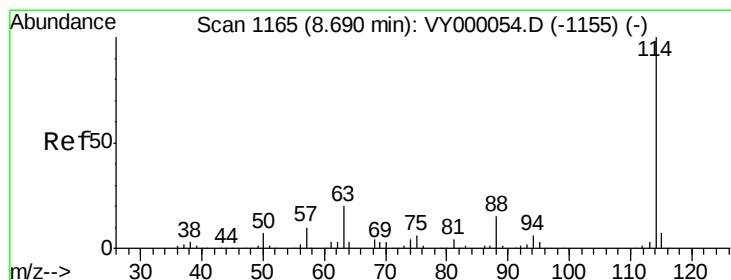
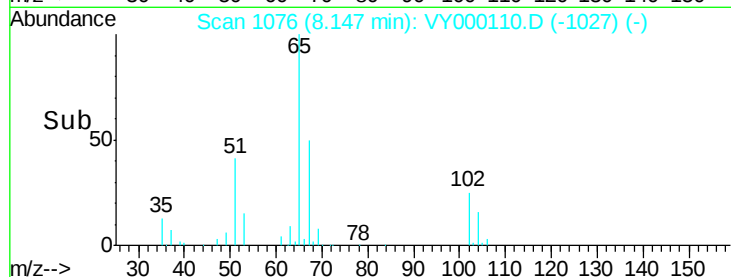
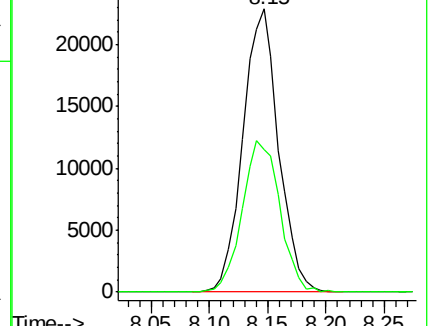
65 100

67 56.6 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

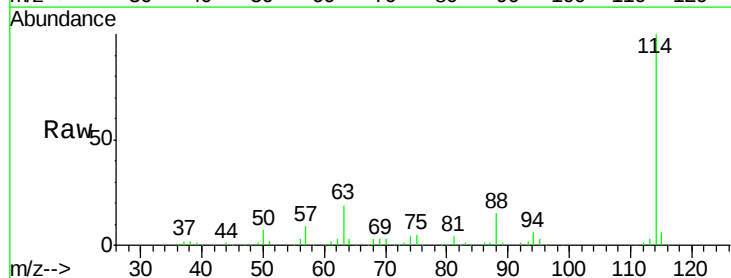
Tgt Ion: 114 Resp: 173654

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

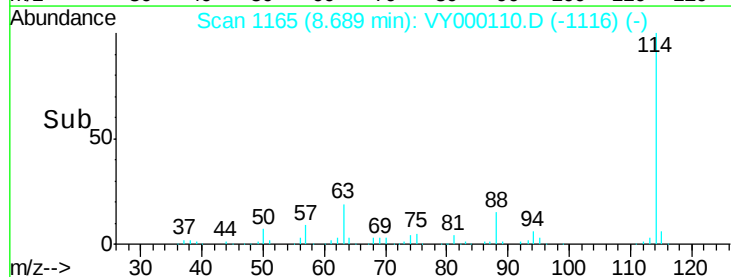
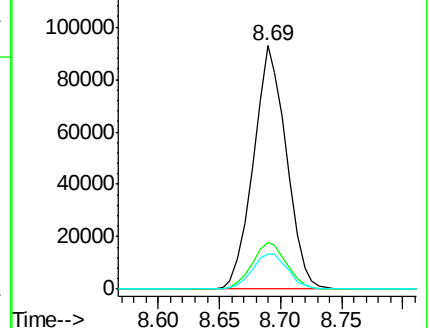
88 14.5 0.0 30.2

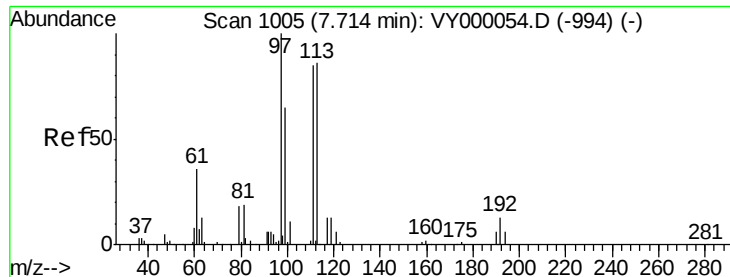


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 45.674 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

CSA-2-9-2RE

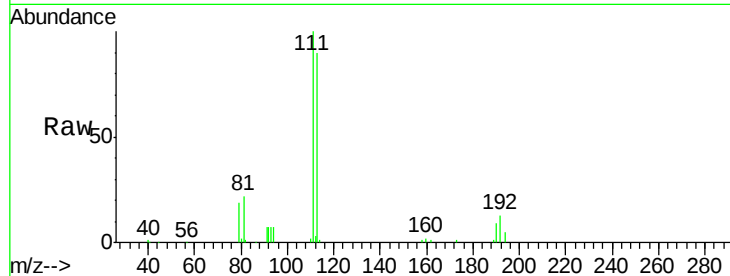
Tot Ion:113 Resp: 48023

Ion Ratio Lower Upper

113 100

111 105.4 81.7 122.5

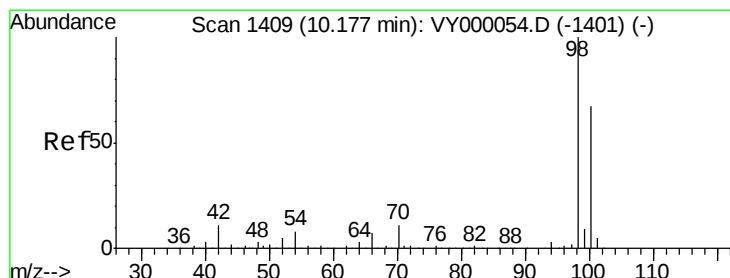
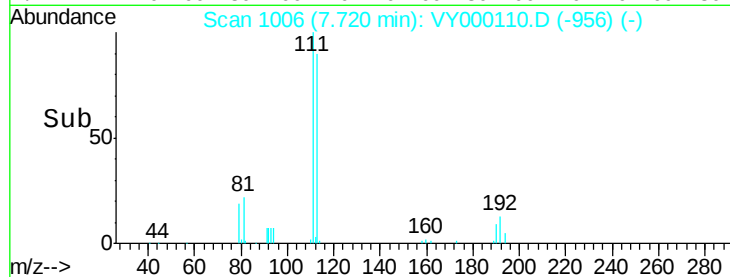
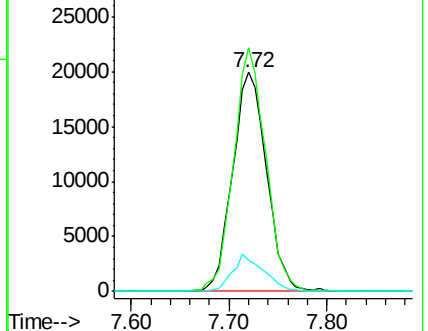
192 15.5 13.4 20.2



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: 49.273 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000110.D

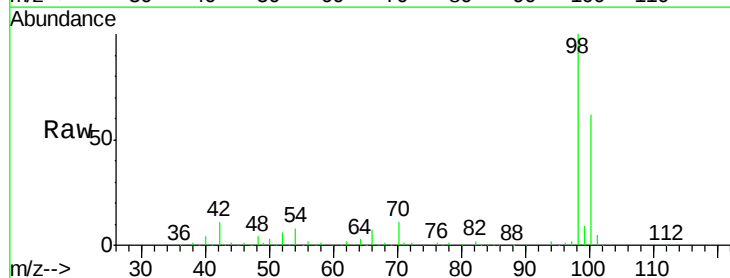
Acq: 20 Sep 2019 16:05

Tgt Ion: 98 Resp: 203482

Ion Ratio Lower Upper

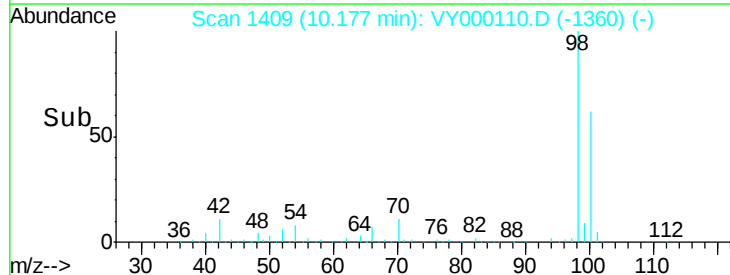
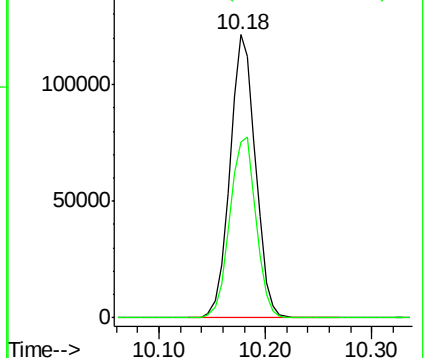
98 100

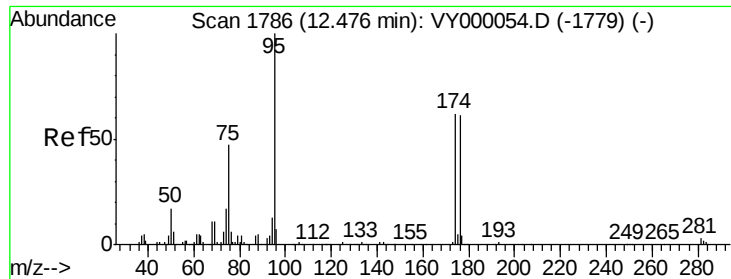
100 65.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

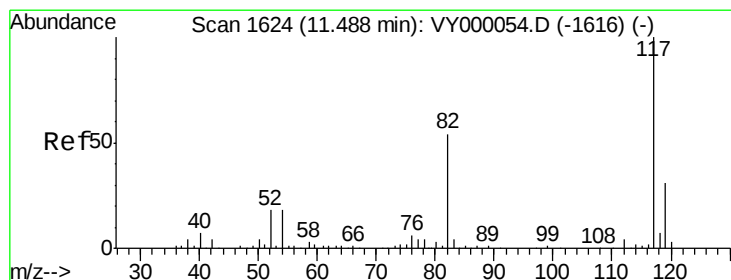
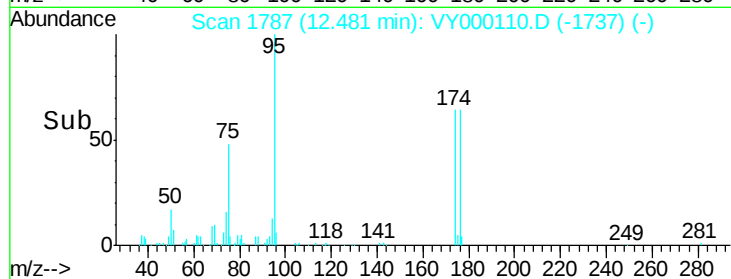
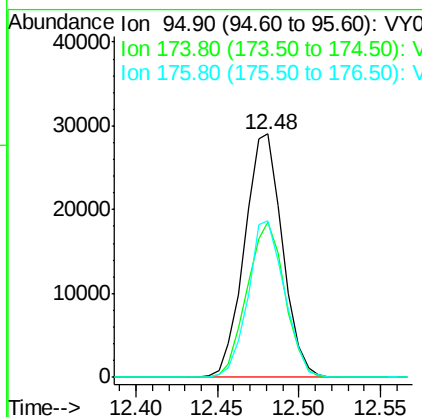
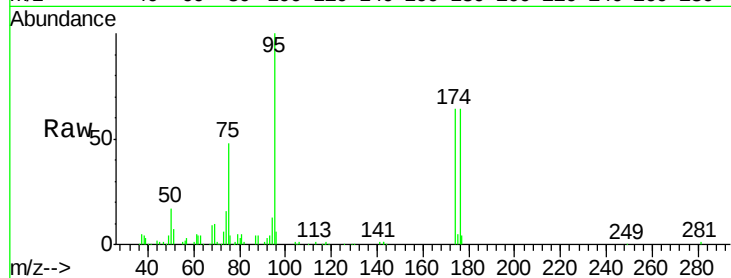




#62  
4-Bromofluorobenzene  
Concen: 30.576 ug/l  
RT: 12.48 min Scan# 1787  
Delta R.T. 0.01 min  
Lab File: VY000110.D  
Acq: 20 Sep 2019 16:05

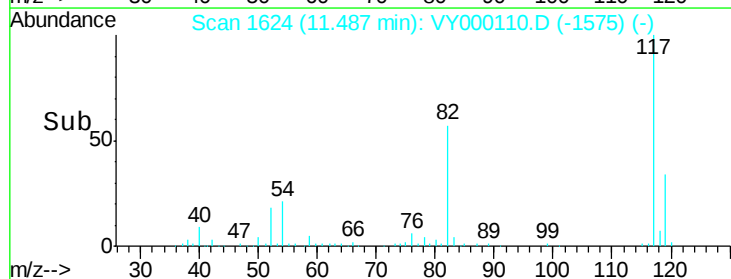
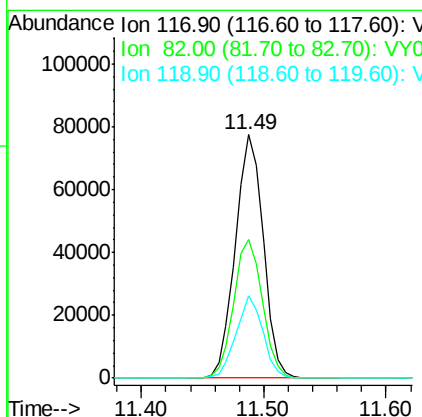
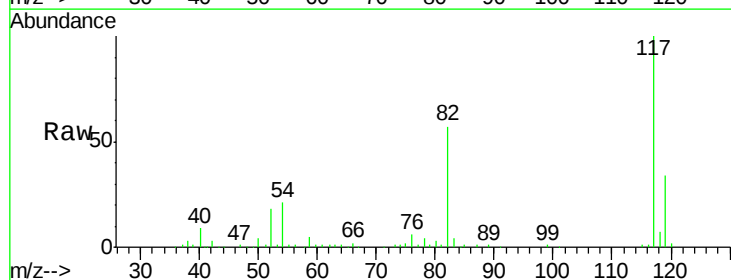
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CSA-2-9-2RE

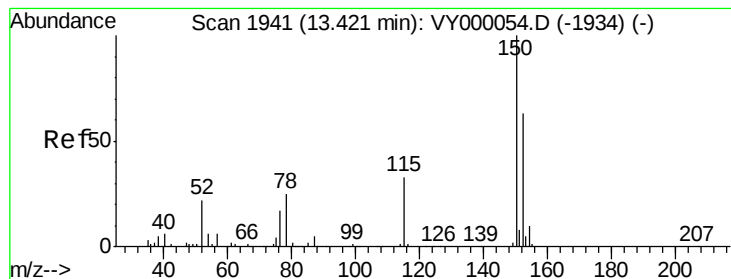
| Tot Ion   | 95    | Resp  | 46881 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 63.5  | 0.0   | 137.2 |
| 176       | 61.9  | 0.0   | 135.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1624  
Delta R.T. -0.00 min  
Lab File: VY000110.D  
Acq: 20 Sep 2019 16:05

| Tgt Ion   | 117   | Resp  | 122568 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.9  | 43.5  | 65.3   |
| 119       | 34.0  | 24.6  | 36.8   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

CSA-2-9-2RE

Tot Ion:152 Resp: 31515

Ion Ratio Lower Upper

152 100

115 64.6 30.7 92.1

150 155.9 0.0 351.6

