

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\  
 Data File : VY000112.D  
 Acq On : 20 Sep 2019 16:51  
 Operator : SY/MD  
 Sample : K4878-28RE  
 Misc : 4.55g/5.00ml/MSVOA Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA2-1-4RE

Quant Time: Sep 21 00:33:21 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

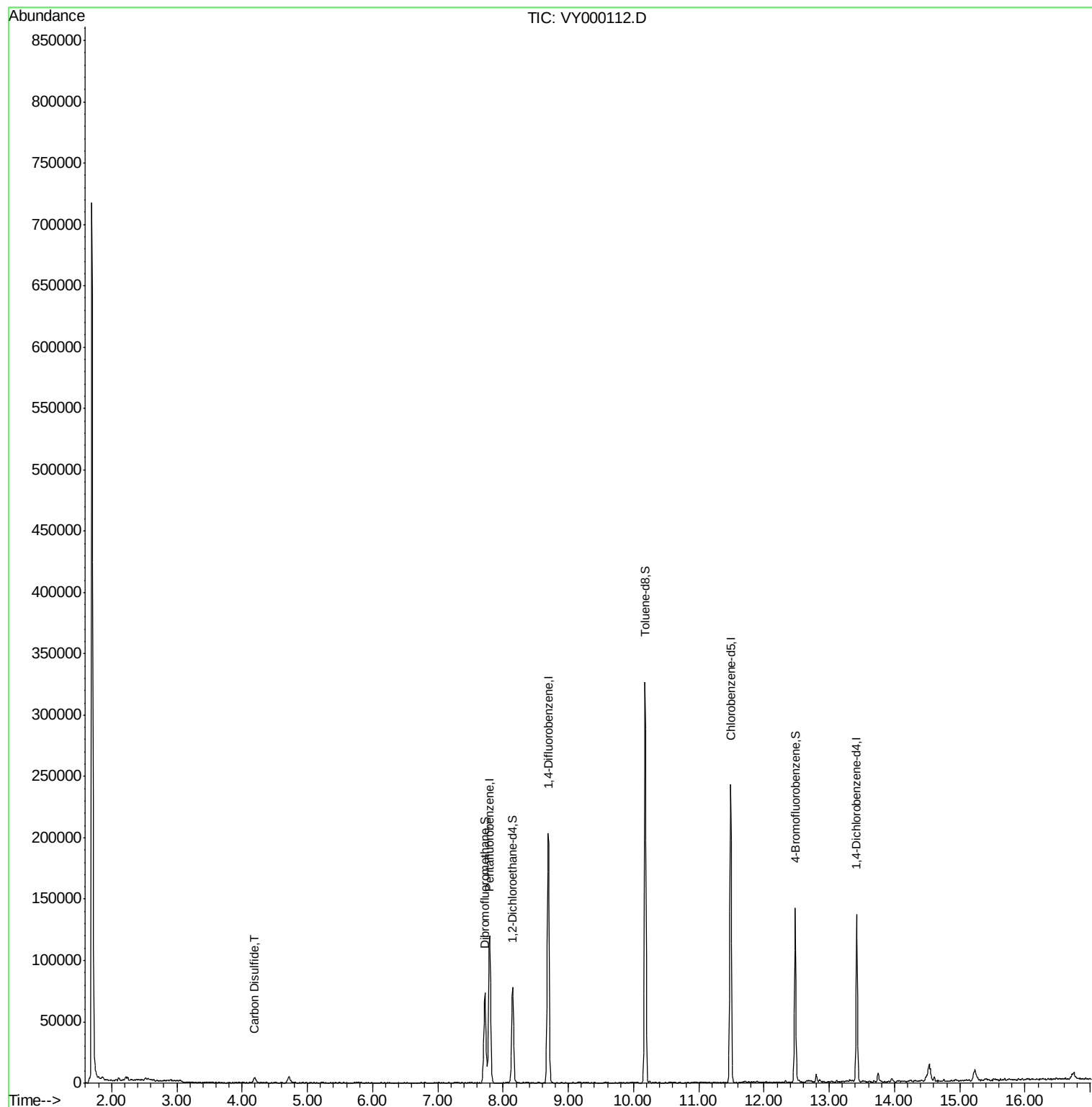
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.79  | 168  | 84826    | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 175544   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 128652   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 30555    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 54863    | 56.22 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.44% |           |
| 35) Dibromofluoromethane    | 7.72  | 113  | 51636    | 48.58 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.16%  |           |
| 50) Toluene-d8              | 10.18 | 98   | 209223   | 50.12 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.24% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 47284    | 30.51 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 61.02%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 17) Carbon Disulfide        | 4.20  | 76   | 7883     | 1.857 | ug/l    | Qvalue 96 |

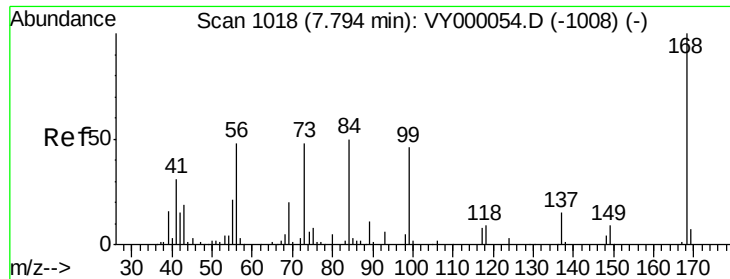
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000112.D

Acq: 20 Sep 2019 16:51

Instrument :

MSVOA\_Y

ClientSampleId :

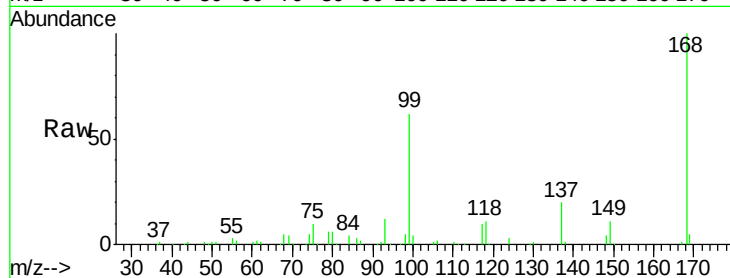
CSA2-1-4RE

Tot Ion:168 Resp: 84826

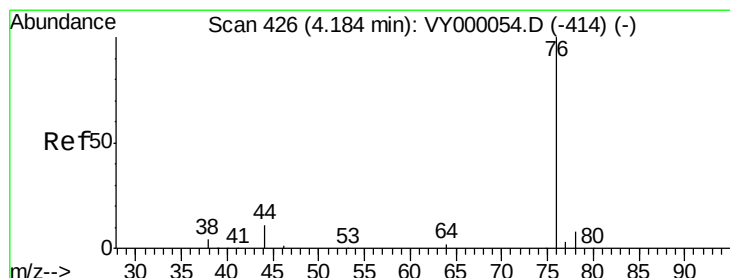
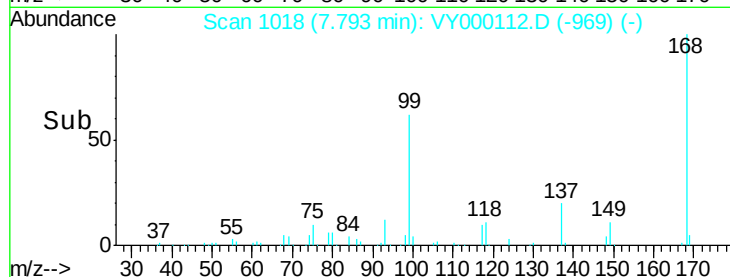
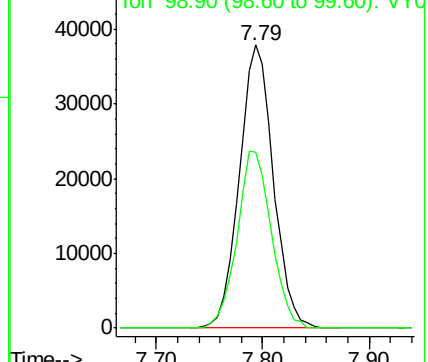
Ion Ratio Lower Upper

168 100

99 62.0 44.2 66.2



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



#17

Carbon Disulfide

Concen: 1.857 ug/l

RT: 4.20 min Scan# 428

Delta R.T. 0.01 min

Lab File: VY000112.D

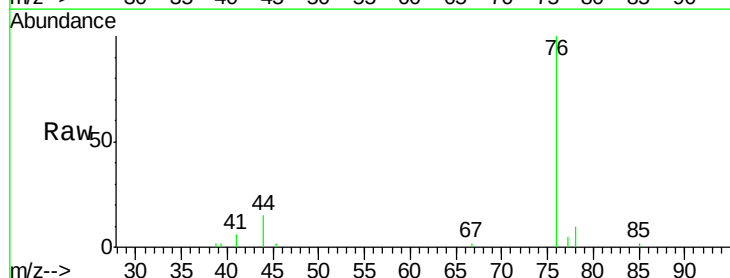
Acq: 20 Sep 2019 16:51

Tgt Ion: 76 Resp: 7883

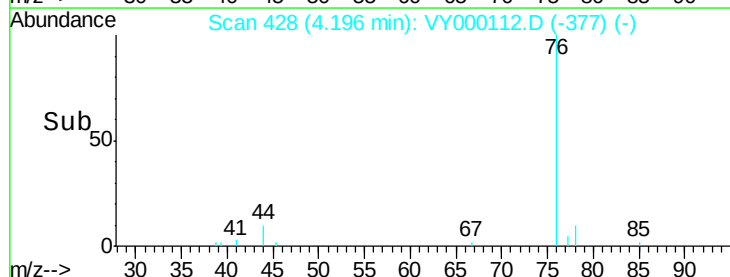
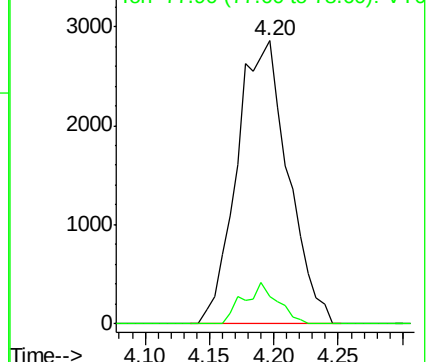
Ion Ratio Lower Upper

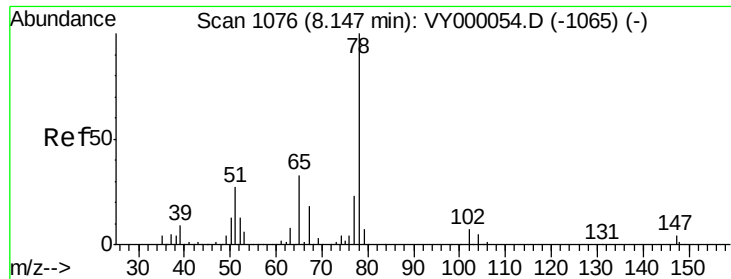
76 100

78 9.7 6.6 9.8



Abundance Ion 75.90 (75.60 to 76.60): VY000054.D (-414) (-)

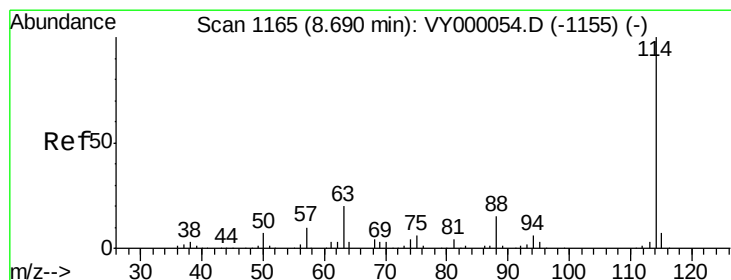
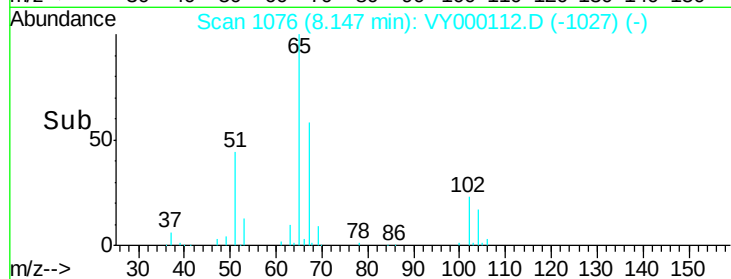
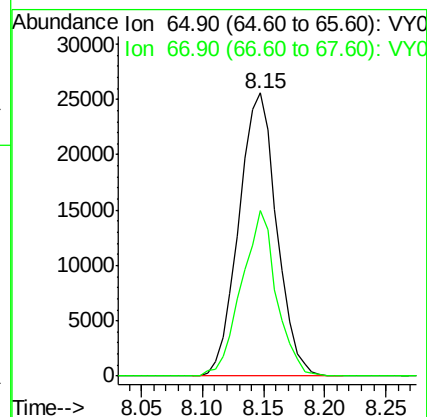
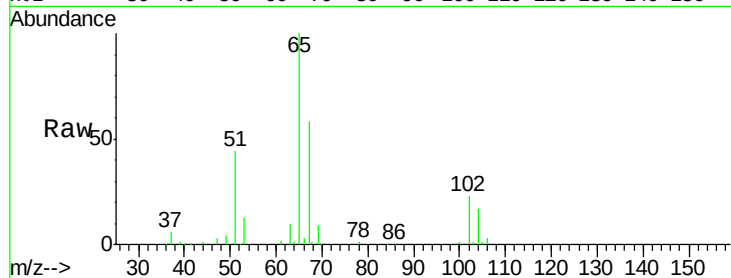




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.216 ug/l  
 RT: 8.15 min Scan# 1076  
 Delta R.T. -0.00 min  
 Lab File: VY000112.D  
 Acq: 20 Sep 2019 16:51

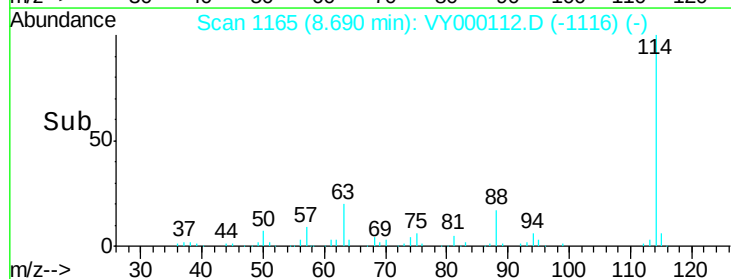
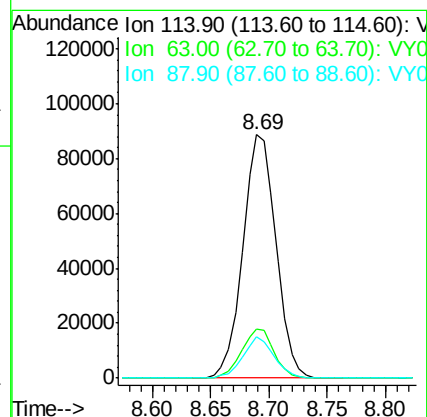
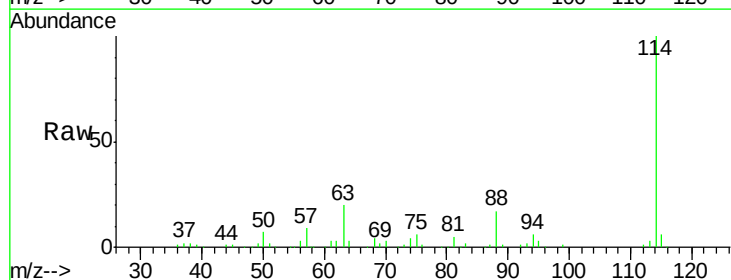
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA2-1-4RE

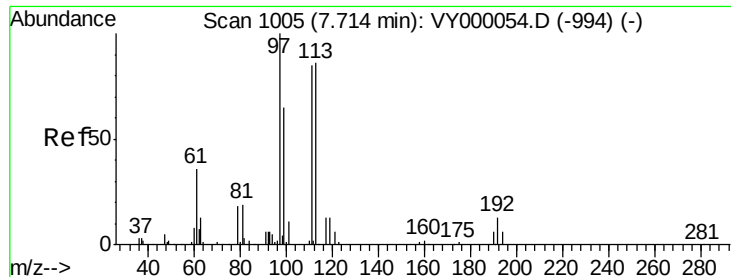
Tot Ion: 65 Resp: 54863  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1165  
 Delta R.T. -0.00 min  
 Lab File: VY000112.D  
 Acq: 20 Sep 2019 16:51

Tgt Ion: 114 Resp: 175544  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 39.4  
 88 17.0 0.0 30.2

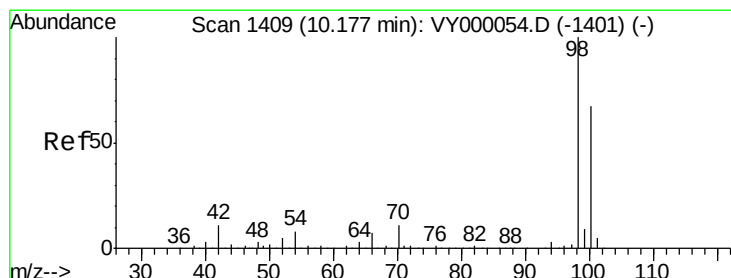
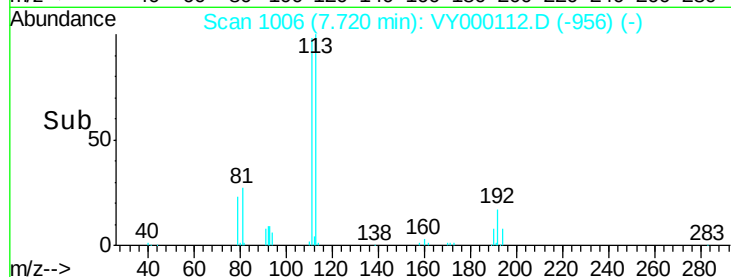
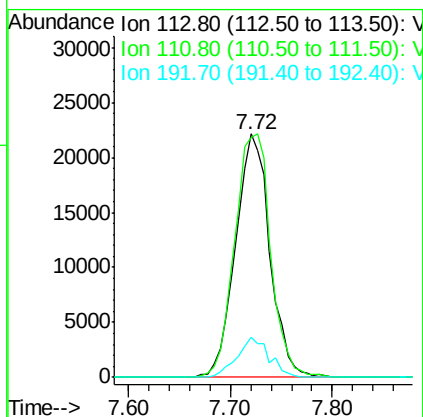
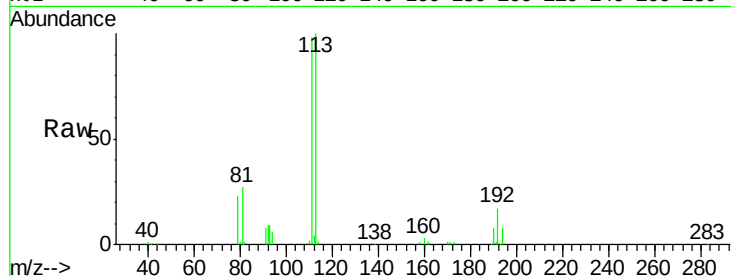




#35  
 Dibromofluoromethane  
 Concen: 48.581 ug/l  
 RT: 7.72 min Scan# 1006  
 Delta R.T. 0.01 min  
 Lab File: VY000112.D  
 Acq: 20 Sep 2019 16:51

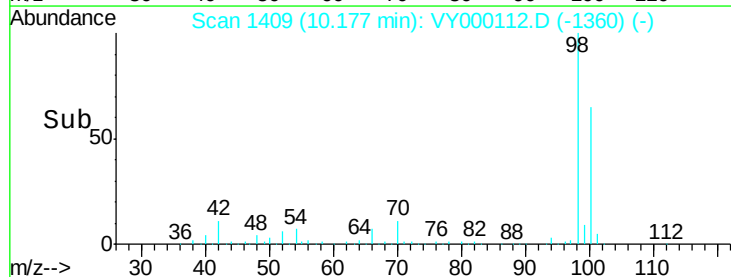
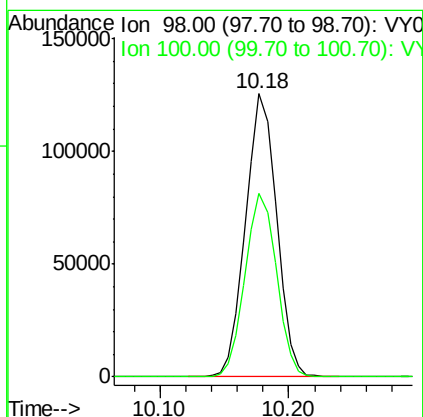
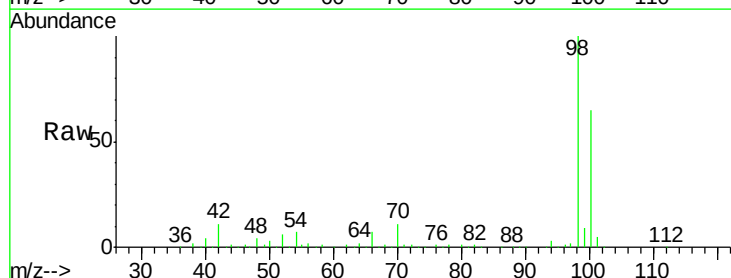
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA2-1-4RE

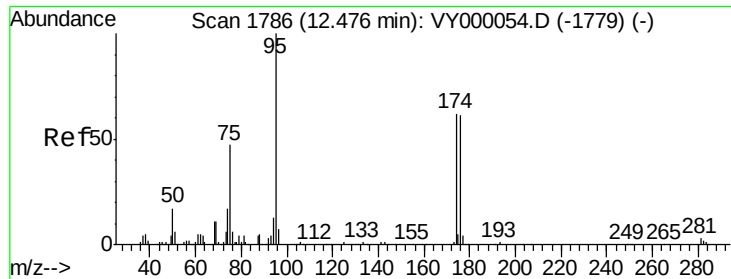
Tot Ion:113 Resp: 51636  
 Ion Ratio Lower Upper  
 113 100  
 111 104.7 81.7 122.5  
 192 15.4 13.4 20.2



#50  
 Toluene-d8  
 Concen: 50.118 ug/l  
 RT: 10.18 min Scan# 1409  
 Delta R.T. -0.00 min  
 Lab File: VY000112.D  
 Acq: 20 Sep 2019 16:51

Tgt Ion: 98 Resp: 209223  
 Ion Ratio Lower Upper  
 98 100  
 100 65.6 53.1 79.7

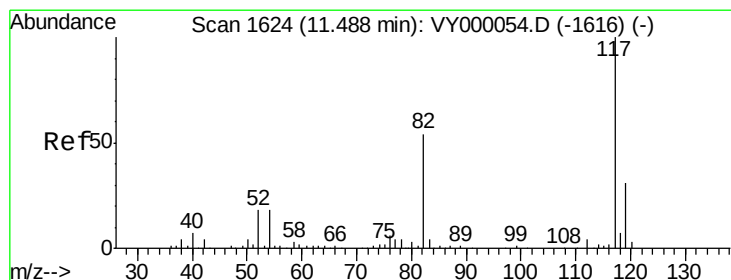
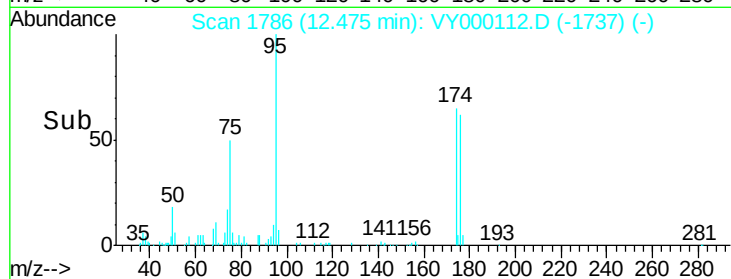
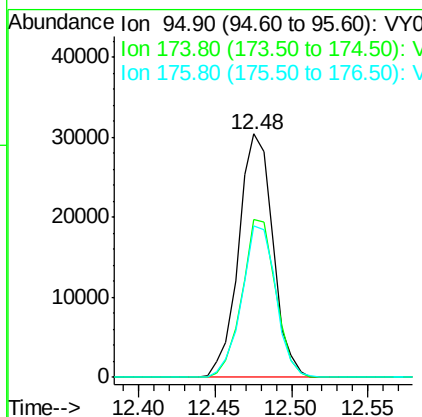
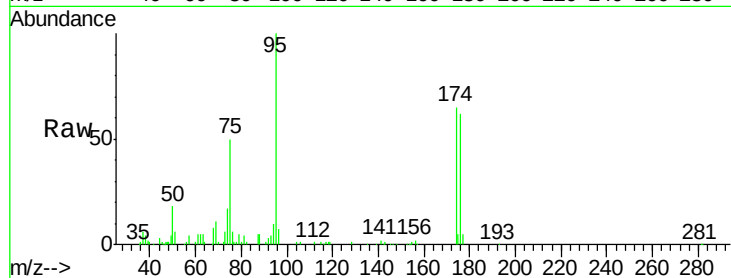




#62  
4-Bromofluorobenzene  
Concen: 30.507 ug/l  
RT: 12.48 min Scan# 1786  
Delta R.T. -0.00 min  
Lab File: VY000112.D  
Acq: 20 Sep 2019 16:51

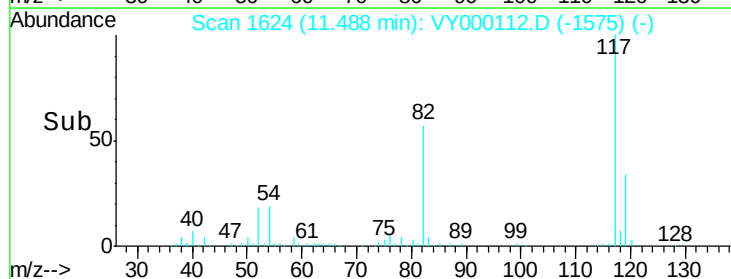
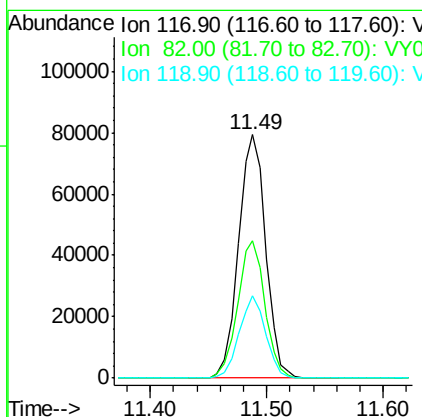
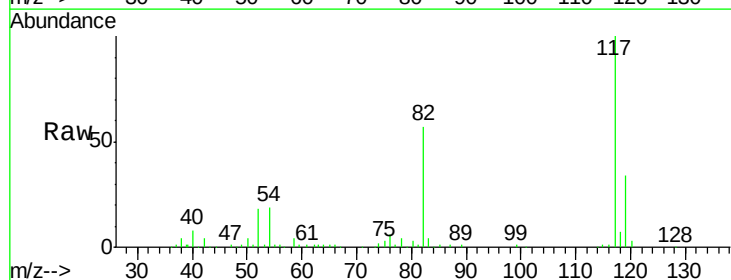
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CSA2-1-4RE

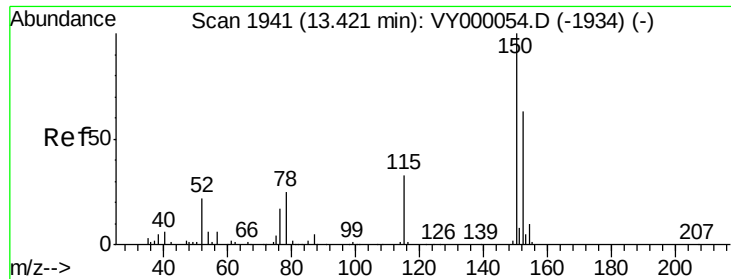
Tot Ion: 95 Resp: 47284  
Ion Ratio Lower Upper  
95 100  
174 63.4 0.0 137.2  
176 61.8 0.0 135.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1624  
Delta R.T. -0.00 min  
Lab File: VY000112.D  
Acq: 20 Sep 2019 16:51

Tgt Ion: 117 Resp: 128652  
Ion Ratio Lower Upper  
117 100  
82 56.7 43.5 65.3  
119 33.9 24.6 36.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000112.D

Acq: 20 Sep 2019 16:51

Instrument :

MSVOA\_Y

ClientSampleId :

CSA2-1-4RE

Tot Ion:152 Resp: 30555

Ion Ratio Lower Upper

152 100

115 67.8 30.7 92.1

150 159.6 0.0 351.6

