

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\  
 Data File : VY000475.D  
 Acq On : 29 Oct 2019 15:28  
 Operator : SY/MD  
 Sample : K5564-01RE  
 Misc : 6.89G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 30 07:39:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 17 02:03:07 2019  
 Response via : Initial Calibration

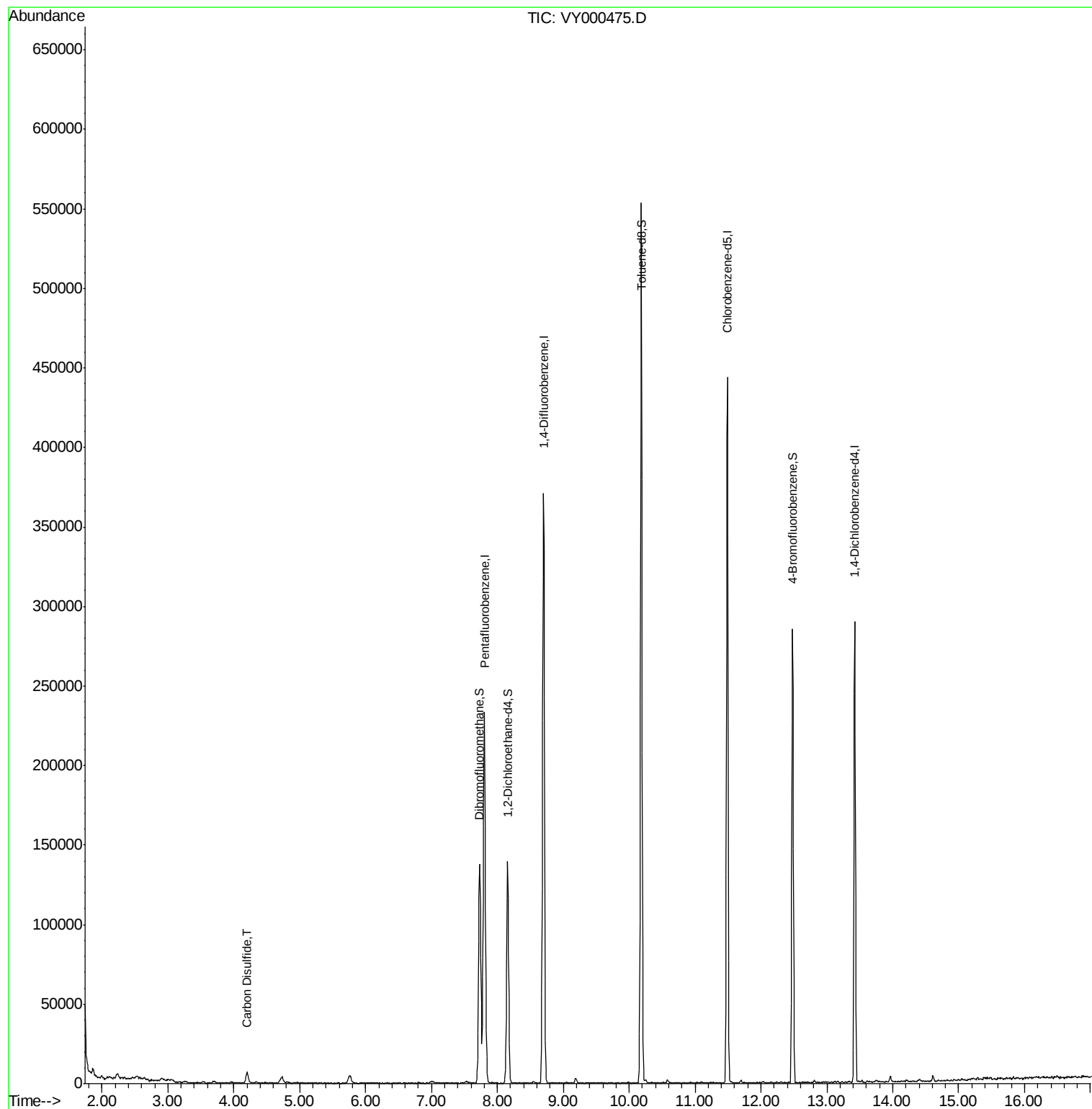
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 186277   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 309279   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 234079   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 66011    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 104327   | 53.09 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.18% |           |
| 35) Dibromofluoromethane    | 7.73  | 113  | 95469    | 51.17 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.34% |           |
| 50) Toluene-d8              | 10.18 | 98   | 354039   | 49.33 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.66%  |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 82382    | 30.22 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 60.44%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 17) Carbon Disulfide        | 4.20  | 76   | 13119    | 2.215 | ug/l    | Qvalue 95 |

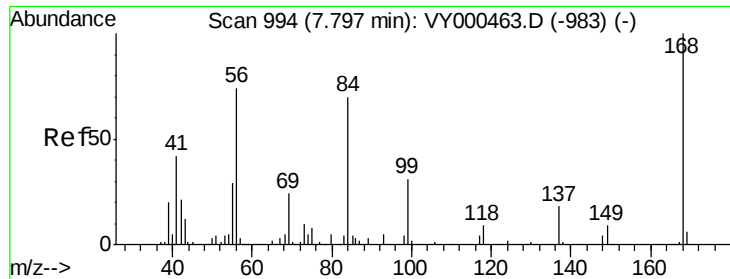
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Oct 17 02:03:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000475.D

Acq: 29 Oct 2019 15:28

Instrument :

MSVOA\_Y

ClientSampleId :

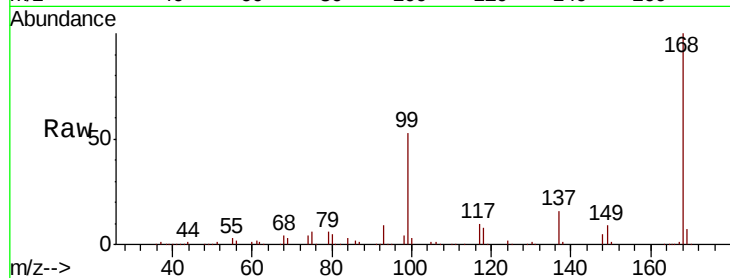
CSA-2-1-1-2RE

Tot Ion:168 Resp: 186277

Ion Ratio Lower Upper

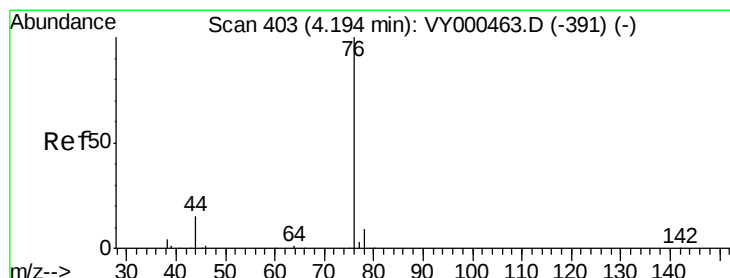
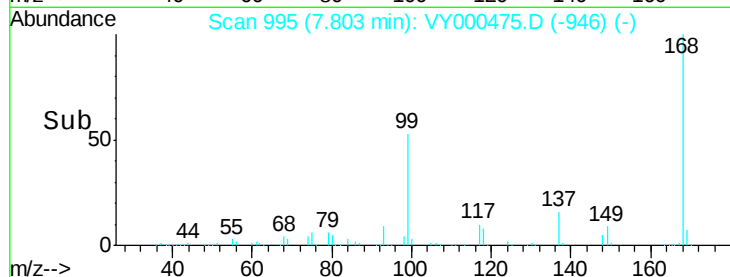
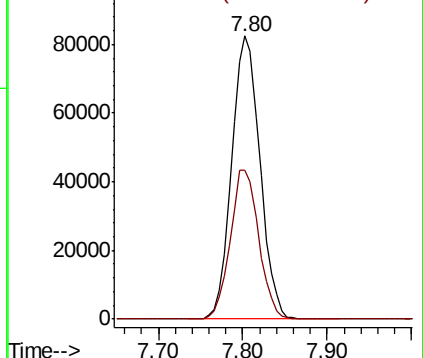
168 100

99 52.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000463.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000475.D (-946) (-)



#17

Carbon Disulfide

Concen: 2.215 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000475.D

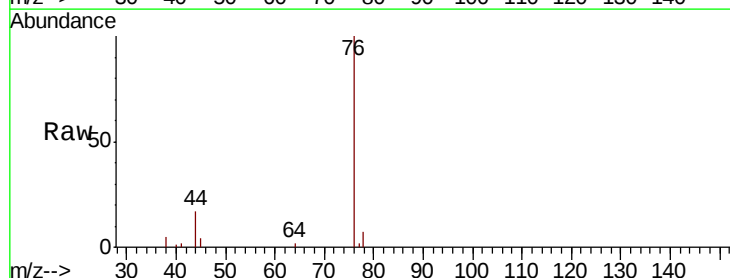
Acq: 29 Oct 2019 15:28

Tgt Ion: 76 Resp: 13119

Ion Ratio Lower Upper

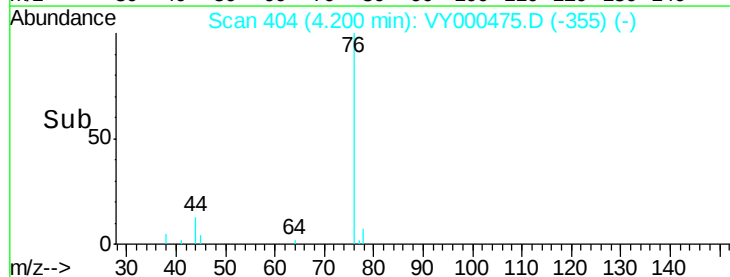
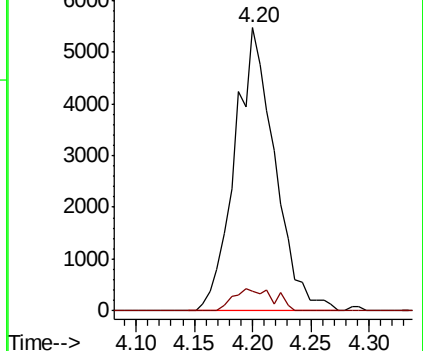
76 100

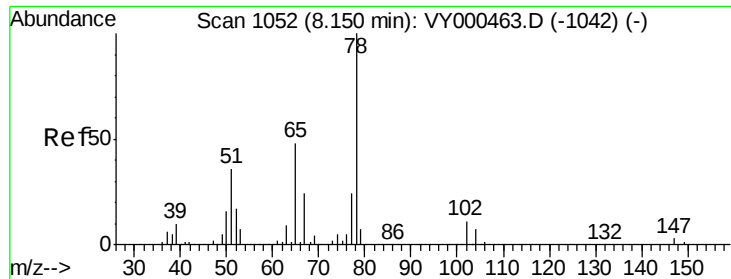
78 7.0 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VY000463.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VY000475.D (-355) (-)

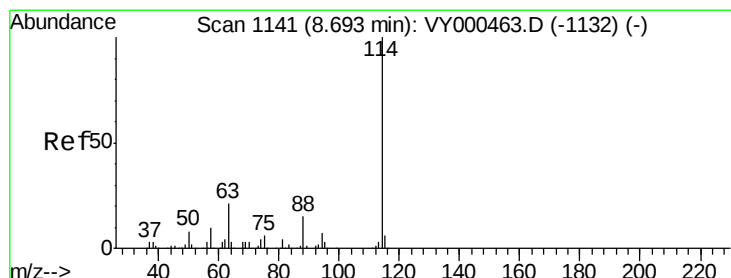
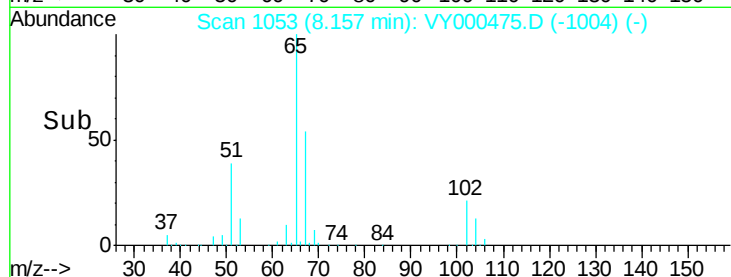
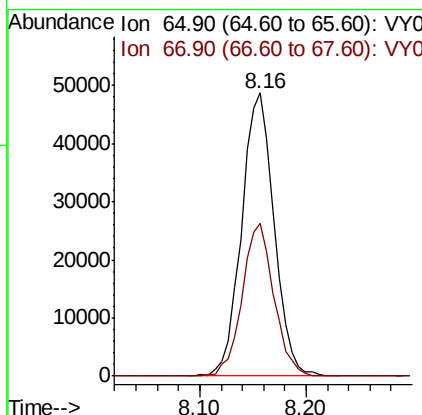
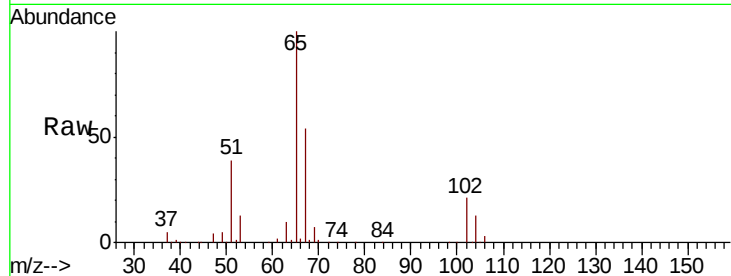




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.094 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VY000475.D  
 Acq: 29 Oct 2019 15:28

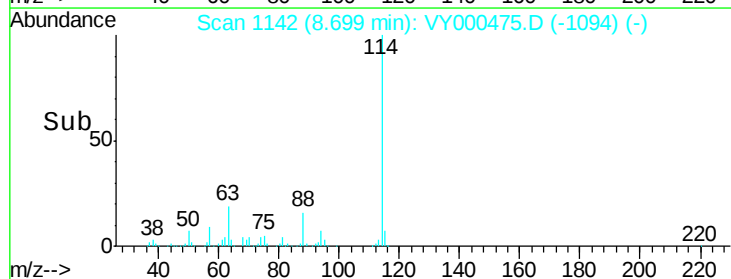
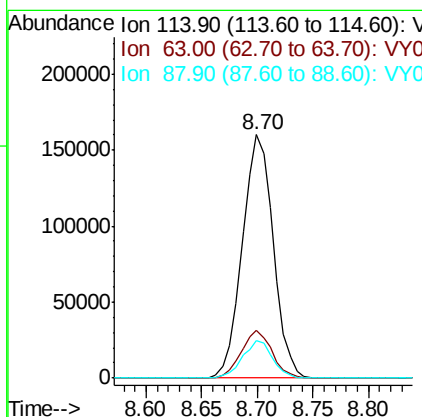
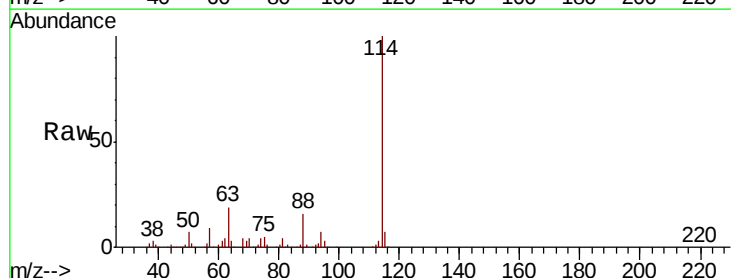
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA-2-1-1-2RE

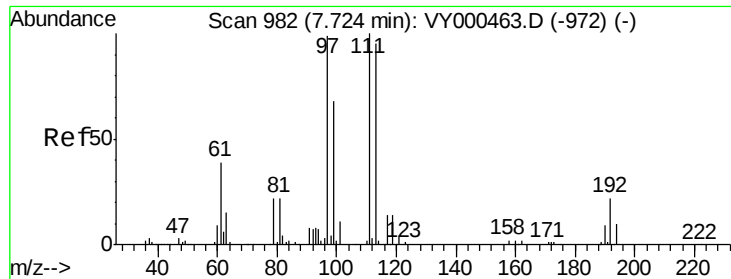
Tot Ion: 65 Resp: 104327  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY000475.D  
 Acq: 29 Oct 2019 15:28

Tgt Ion: 114 Resp: 309279  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 37.2  
 88 15.5 0.0 30.2

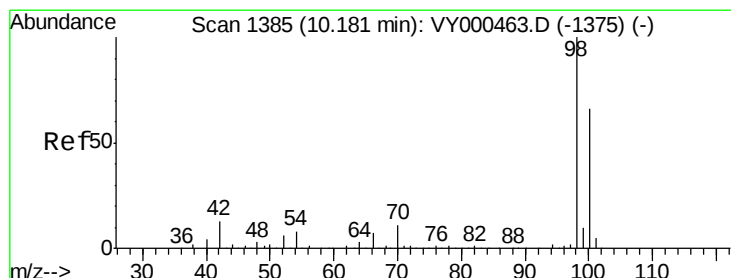
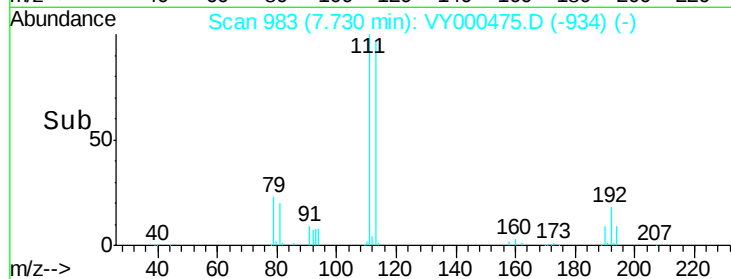
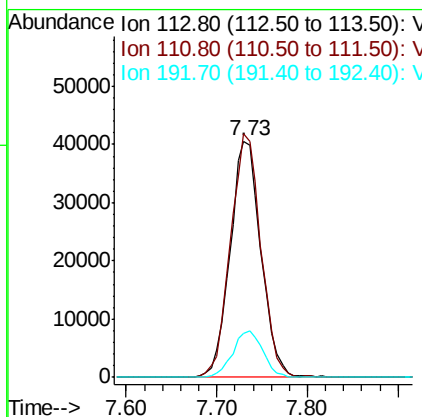
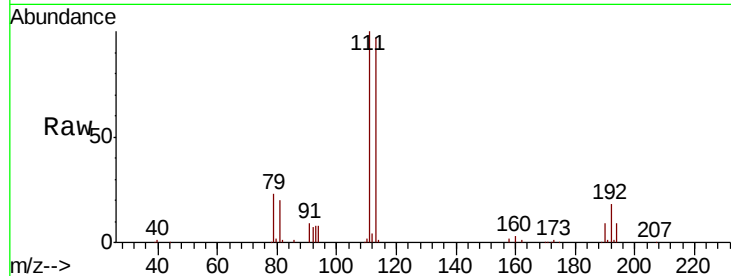




#35  
 Dibromofluoromethane  
 Concen: 51.173 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000475.D  
 Acq: 29 Oct 2019 15:28

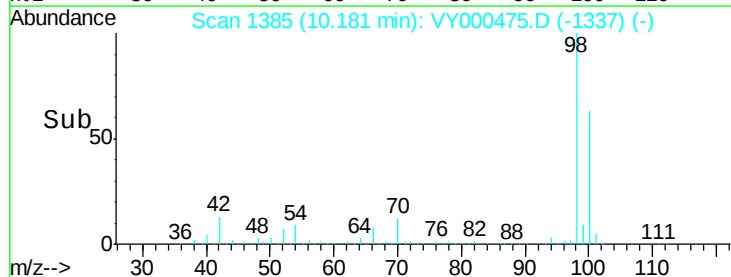
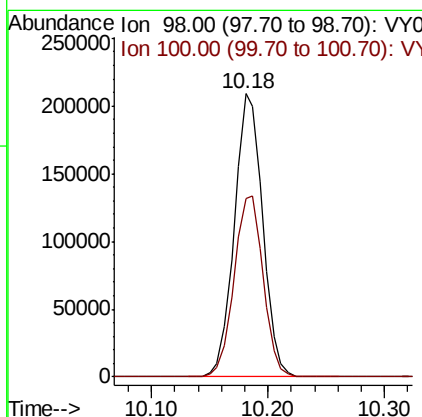
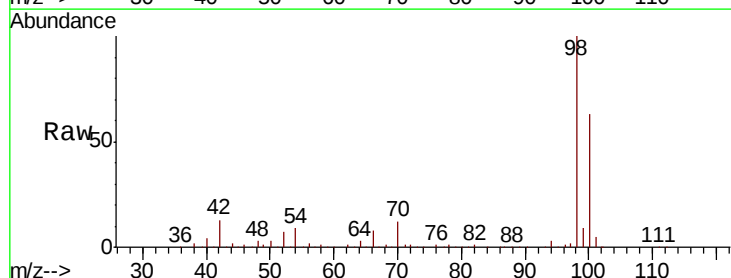
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA-2-1-1-2RE

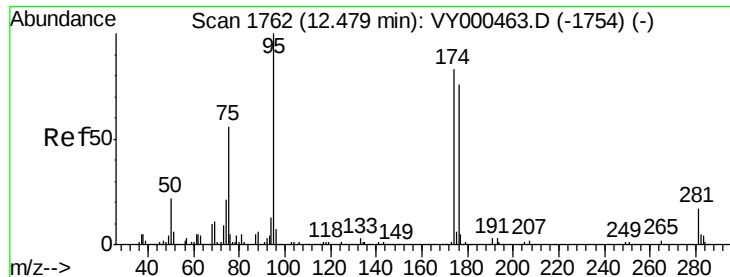
Tot Ion:113 Resp: 95469  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 81.6 122.4  
 192 19.4 15.3 22.9



#50  
 Toluene-d8  
 Concen: 49.333 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. -0.01 min  
 Lab File: VY000475.D  
 Acq: 29 Oct 2019 15:28

Tgt Ion: 98 Resp: 354039  
 Ion Ratio Lower Upper  
 98 100  
 100 65.6 52.8 79.2





#62

4-Bromofluorobenzene

Concen: 30.216 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000475.D

Acq: 29 Oct 2019 15:28

Instrument :

MSVOA\_Y

ClientSampleId :

CSA-2-1-1-2RE

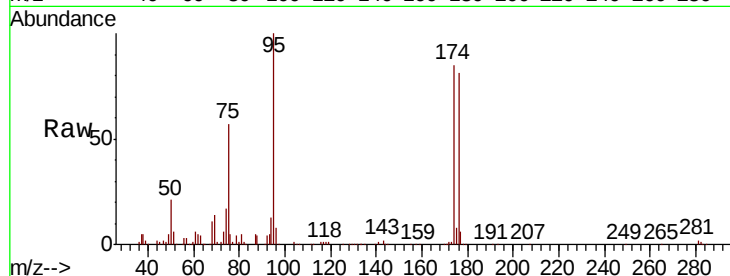
Tot Ion: 95 Resp: 82382

Ion Ratio Lower Upper

95 100

174 82.9 0.0 159.6

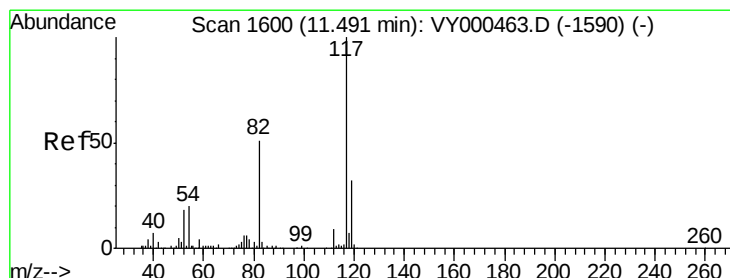
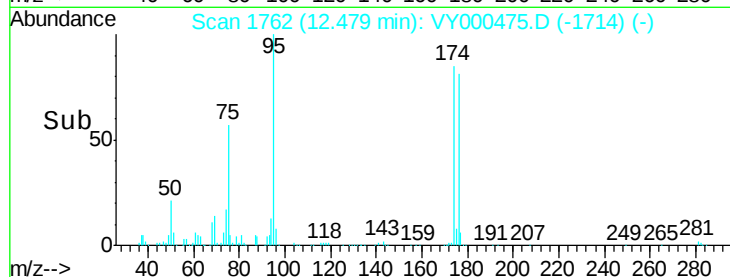
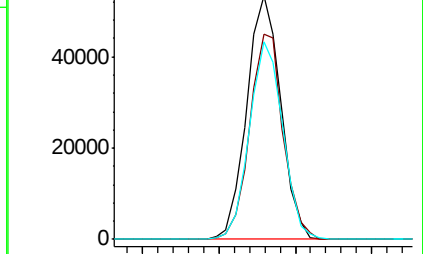
176 79.8 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY000463.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000463.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000463.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY000475.D

Acq: 29 Oct 2019 15:28

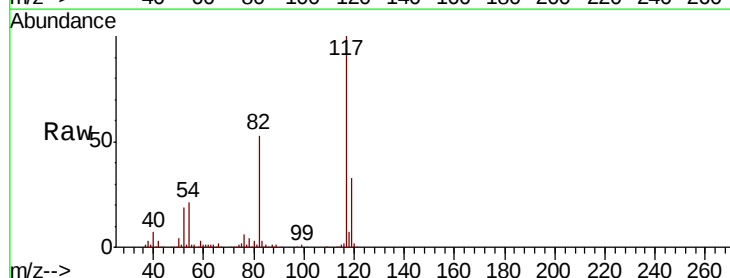
Tgt Ion: 117 Resp: 234079

Ion Ratio Lower Upper

117 100

82 53.3 43.7 65.5

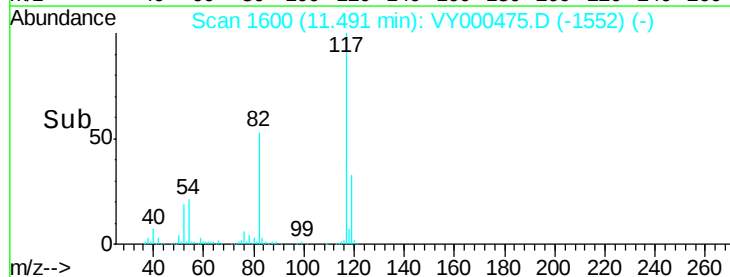
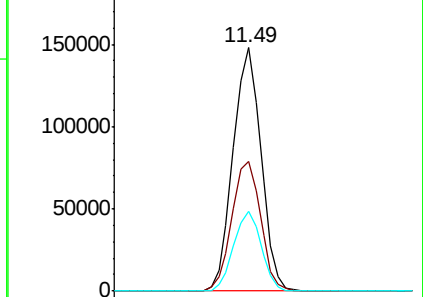
119 32.7 26.6 39.8

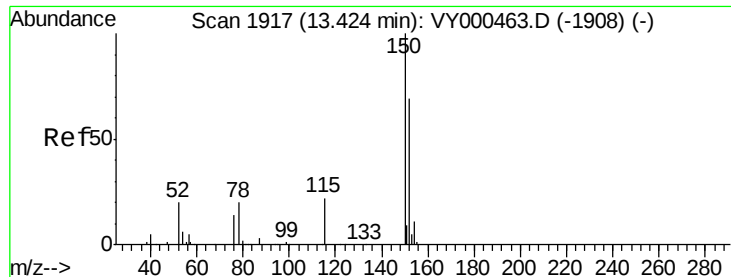


Abundance Ion 116.90 (116.60 to 117.60): VY000463.D (-1590) (-)

Ion 82.00 (81.70 to 82.70): VY000463.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY000463.D (-1590) (-)



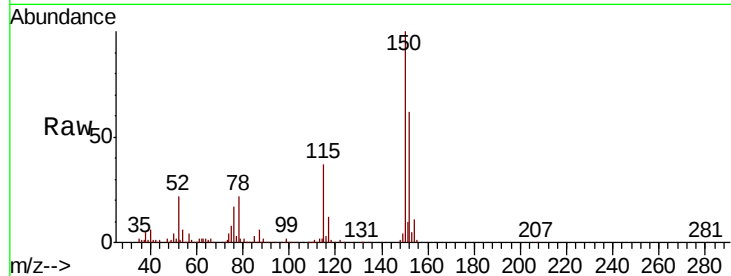


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: VY000475.D  
Acq: 29 Oct 2019 15:28

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.4  | 29.3  | 88.0  |
| 150     | 162.0 | 0.0   | 348.4 |



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

