

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051820\  
 Data File : VY002709.D  
 Acq On : 18 May 2020 14:46  
 Operator : SY/MD  
 Sample : L2686-01  
 Misc : 5.76G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-214

Quant Time: May 19 01:34:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 16 04:52:36 2020  
 Response via : Initial Calibration

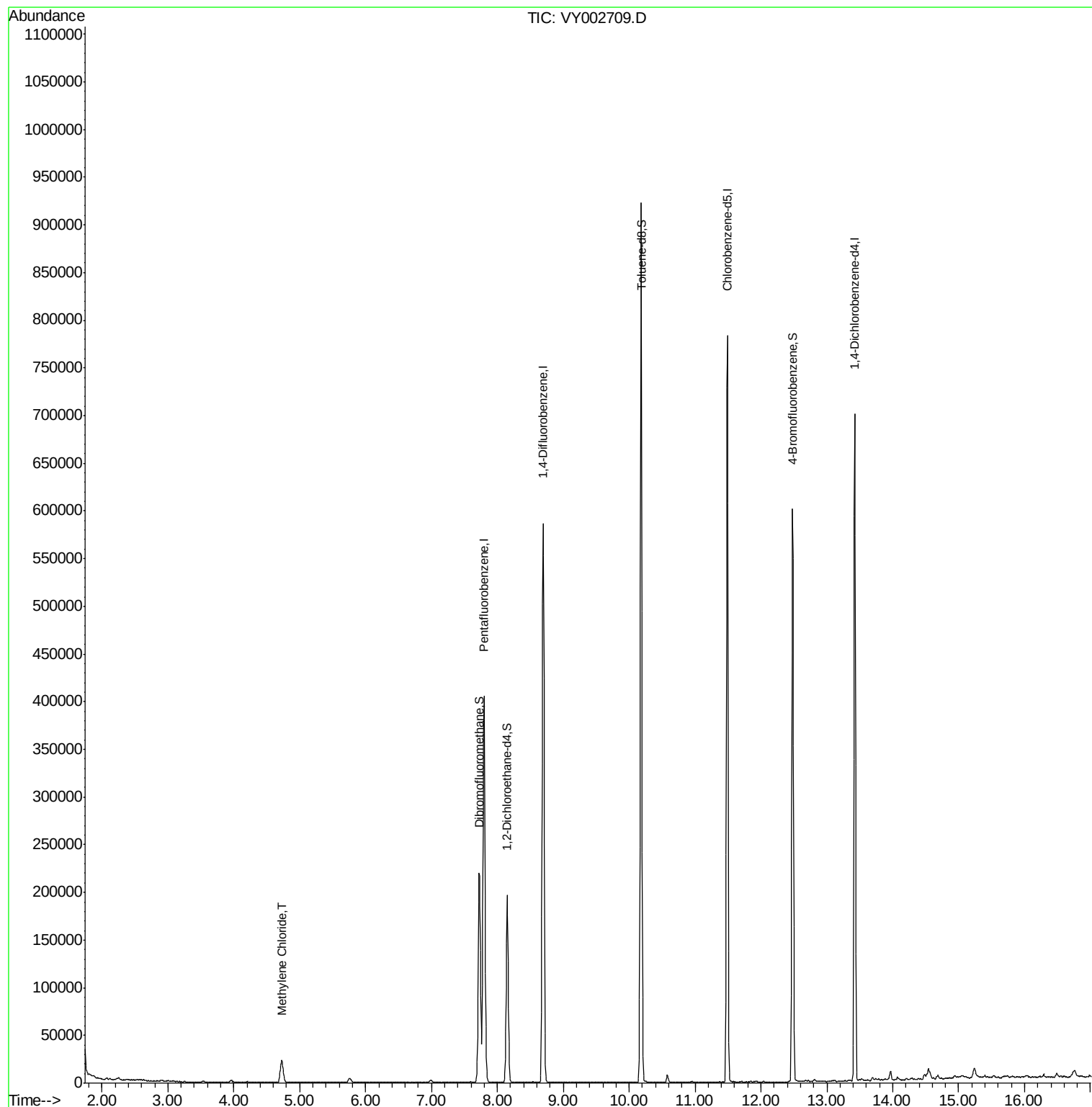
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 341913   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 536196   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 459293   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 190530   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 149792   | 56.01 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.02% |           |
| 35) Dibromofluoromethane    | 7.72  | 113  | 160855   | 54.36 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.72% |           |
| 50) Toluene-d8              | 10.18 | 98   | 616723   | 51.77 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.54% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 181257   | 44.27 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.54%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.72  | 84   | 19473    | 5.843 | ug/l    | Qvalue 94 |

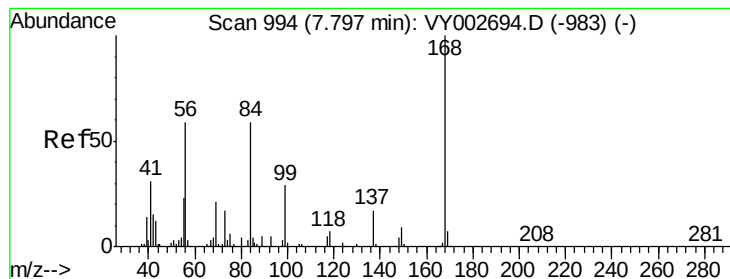
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat May 16 04:52:36 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002709.D

Acq: 18 May 2020 14:46

Instrument :

MSVOA\_Y

ClientSampleId :

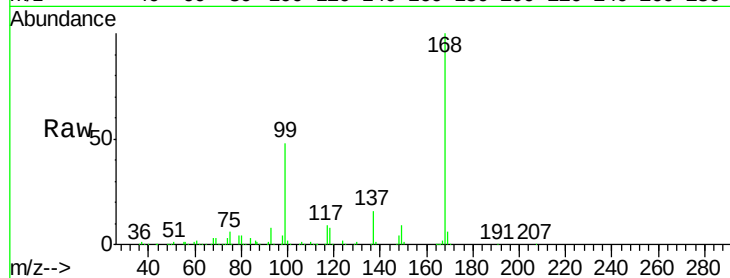
VNJ-214

Tot Ion:168 Resp: 341913

Ion Ratio Lower Upper

168 100

99 47.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002709.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002709.D (-945) (-)

7.80

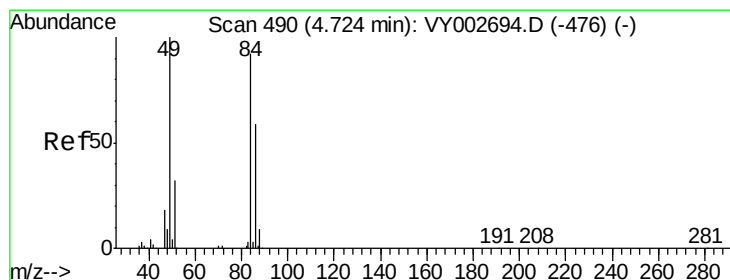
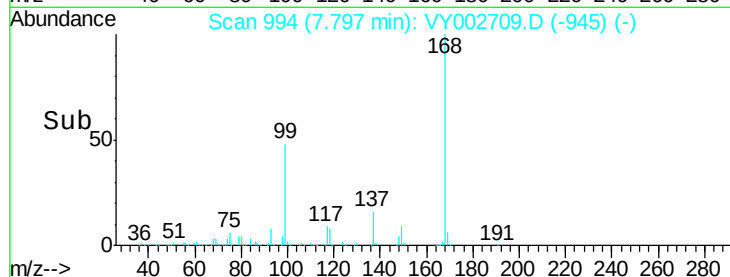
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 5.843 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY002709.D

Acq: 18 May 2020 14:46

Tgt Ion: 84 Resp: 19473

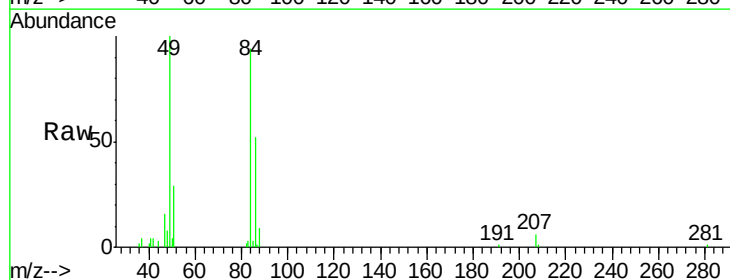
Ion Ratio Lower Upper

84 100

49 106.9 87.4 131.0

51 31.0 27.9 41.9

86 55.3 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VY002709.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY002709.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY002709.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY002709.D (-441) (-)

4.72

10000

8000

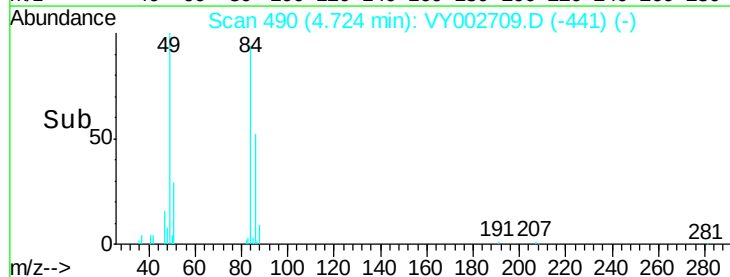
6000

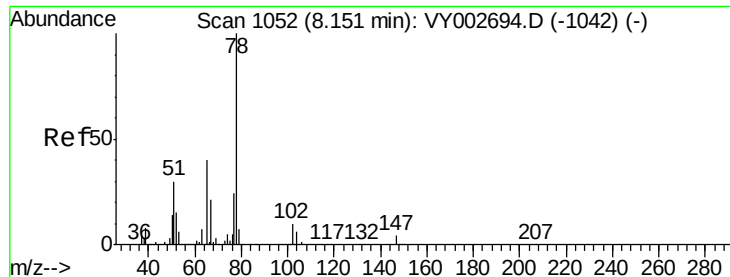
4000

2000

0

Time-->

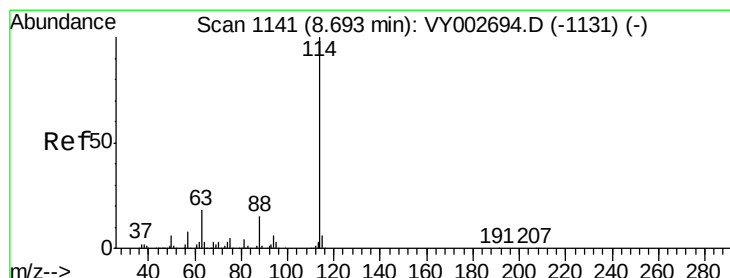
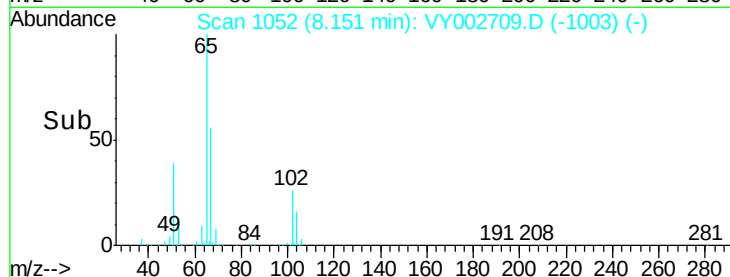
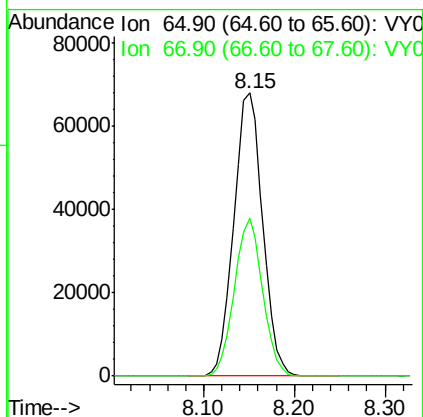
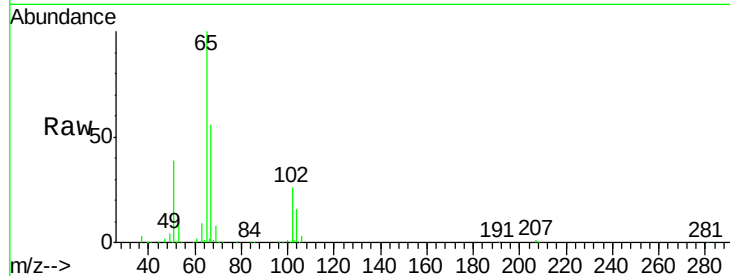




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.008 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. -0.00 min  
 Lab File: VY002709.D  
 Acq: 18 May 2020 14:46

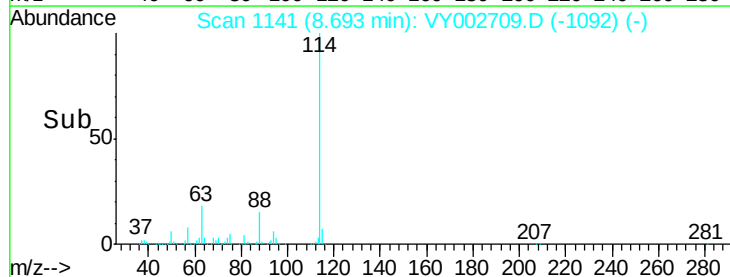
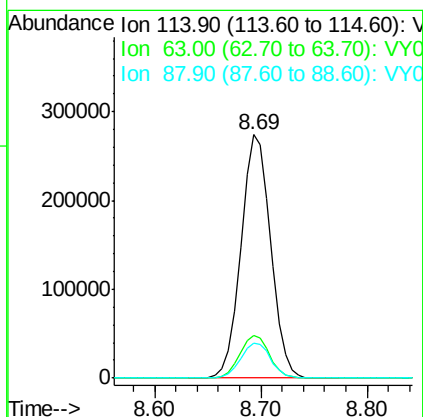
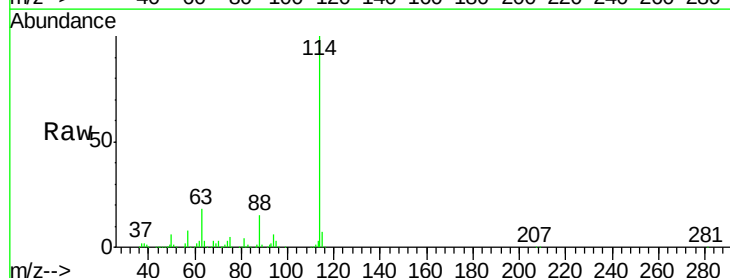
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-214

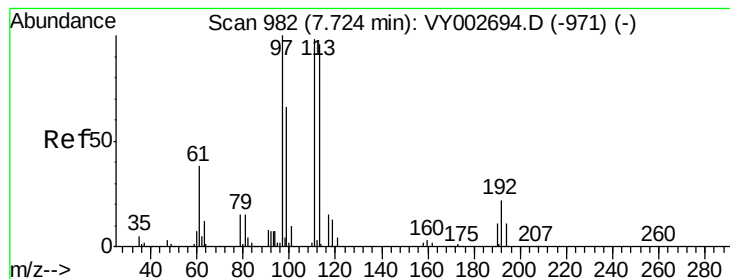
Tot Ion: 65 Resp: 149792  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: VY002709.D  
 Acq: 18 May 2020 14:46

Tgt Ion: 114 Resp: 536196  
 Ion Ratio Lower Upper  
 114 100  
 63 17.7 0.0 35.4  
 88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 54.359 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002709.D

Acq: 18 May 2020 14:46

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-214

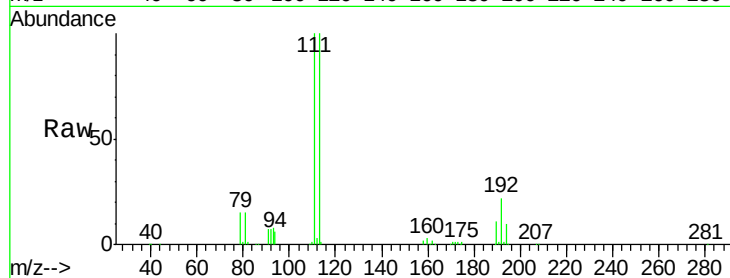
Tot Ion:113 Resp: 160855

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

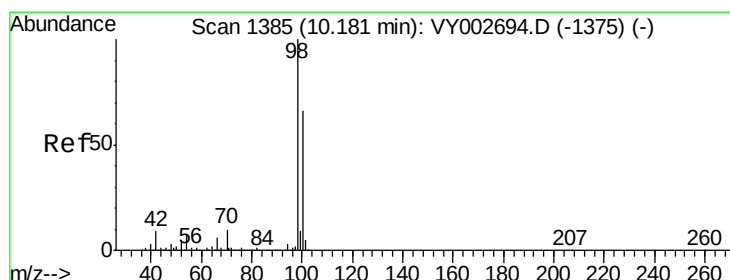
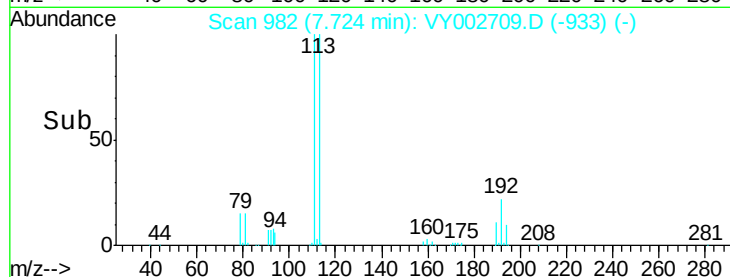
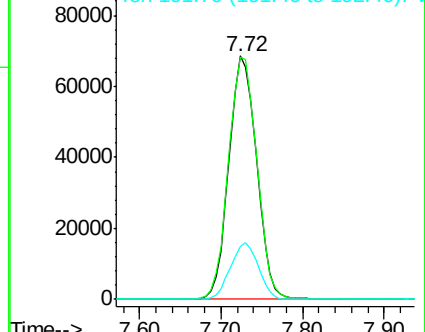
192 23.4 18.6 27.8



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: 51.766 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002709.D

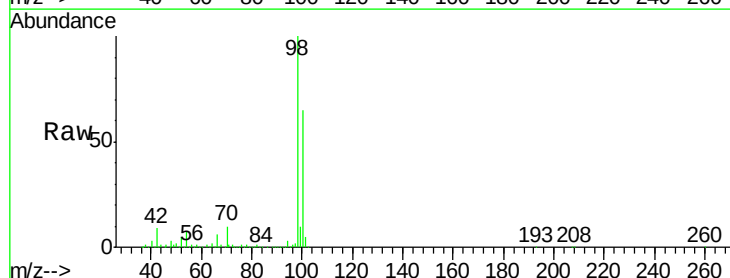
Acq: 18 May 2020 14:46

Tgt Ion: 98 Resp: 616723

Ion Ratio Lower Upper

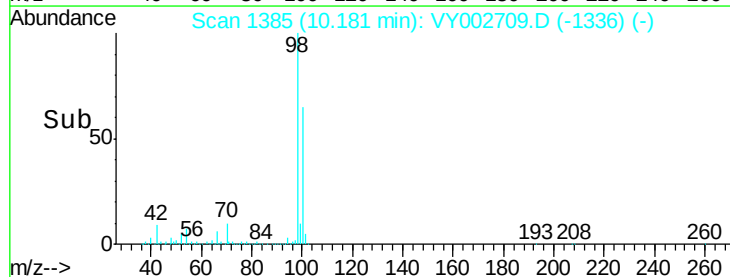
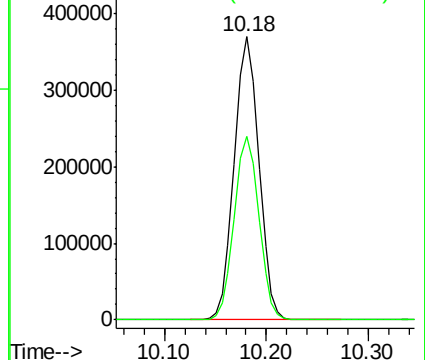
98 100

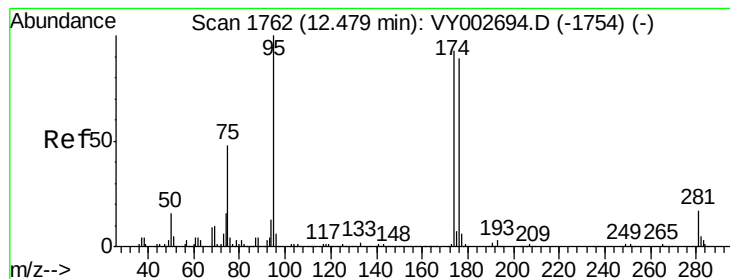
100 65.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 44.265 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002709.D

Acq: 18 May 2020 14:46

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-214

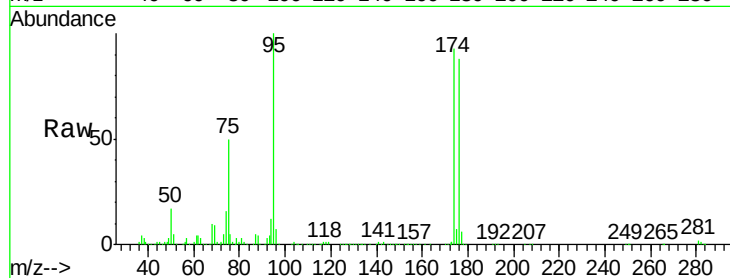
Tot Ion: 95 Resp: 181257

Ion Ratio Lower Upper

95 100

174 94.9 0.0 191.4

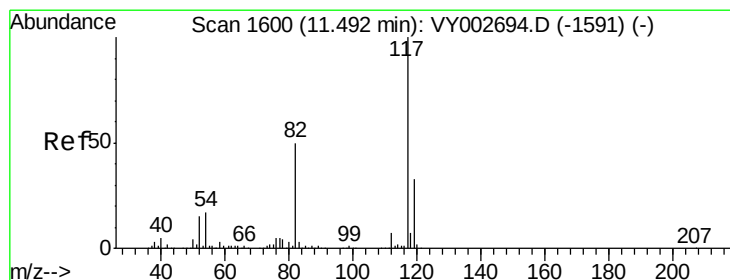
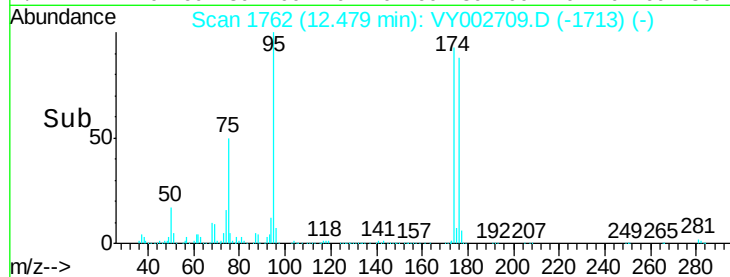
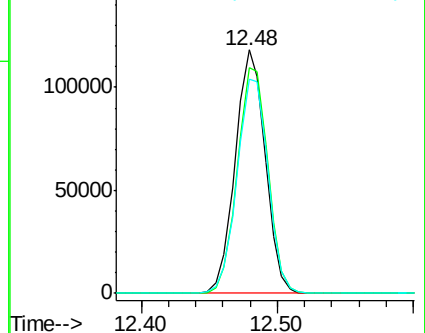
176 90.8 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY002709.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002709.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002709.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002709.D

Acq: 18 May 2020 14:46

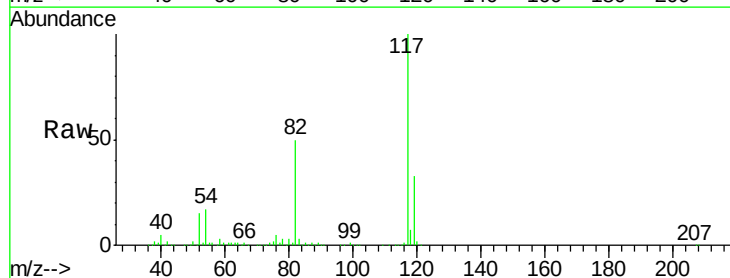
Tgt Ion: 117 Resp: 459293

Ion Ratio Lower Upper

117 100

82 49.8 40.3 60.5

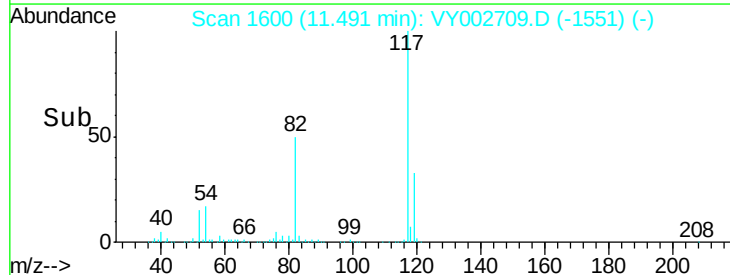
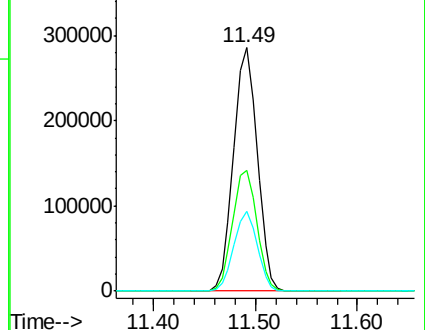
119 32.7 26.2 39.4

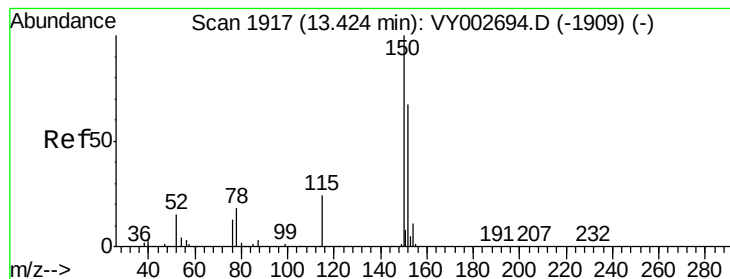


Abundance Ion 116.90 (116.60 to 117.60): VY002709.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002709.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002709.D (-1551) (-)



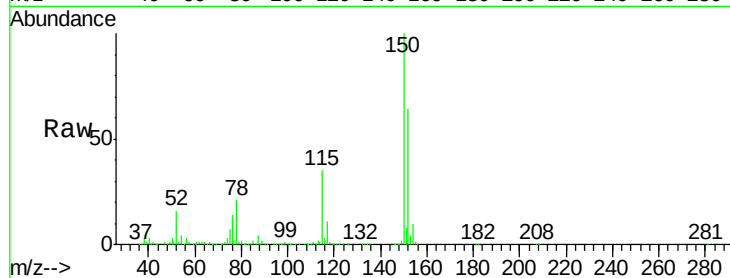


#72

1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.42 min Scan# 1917  
 Delta R.T. -0.00 min  
 Lab File: VY002709.D  
 Acq: 18 May 2020 14:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-214

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 27.2  | 81.6  |
| 150     | 156.0 | 0.0   | 343.8 |



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

