

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY110719\  
 Data File : VY000583.D  
 Acq On : 07 Nov 2019 16:12  
 Operator : SY/MD  
 Sample : K5723-14  
 Misc : 4.51G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 10-C

Quant Time: Nov 08 04:50:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:30:53 2019  
 Response via : Initial Calibration

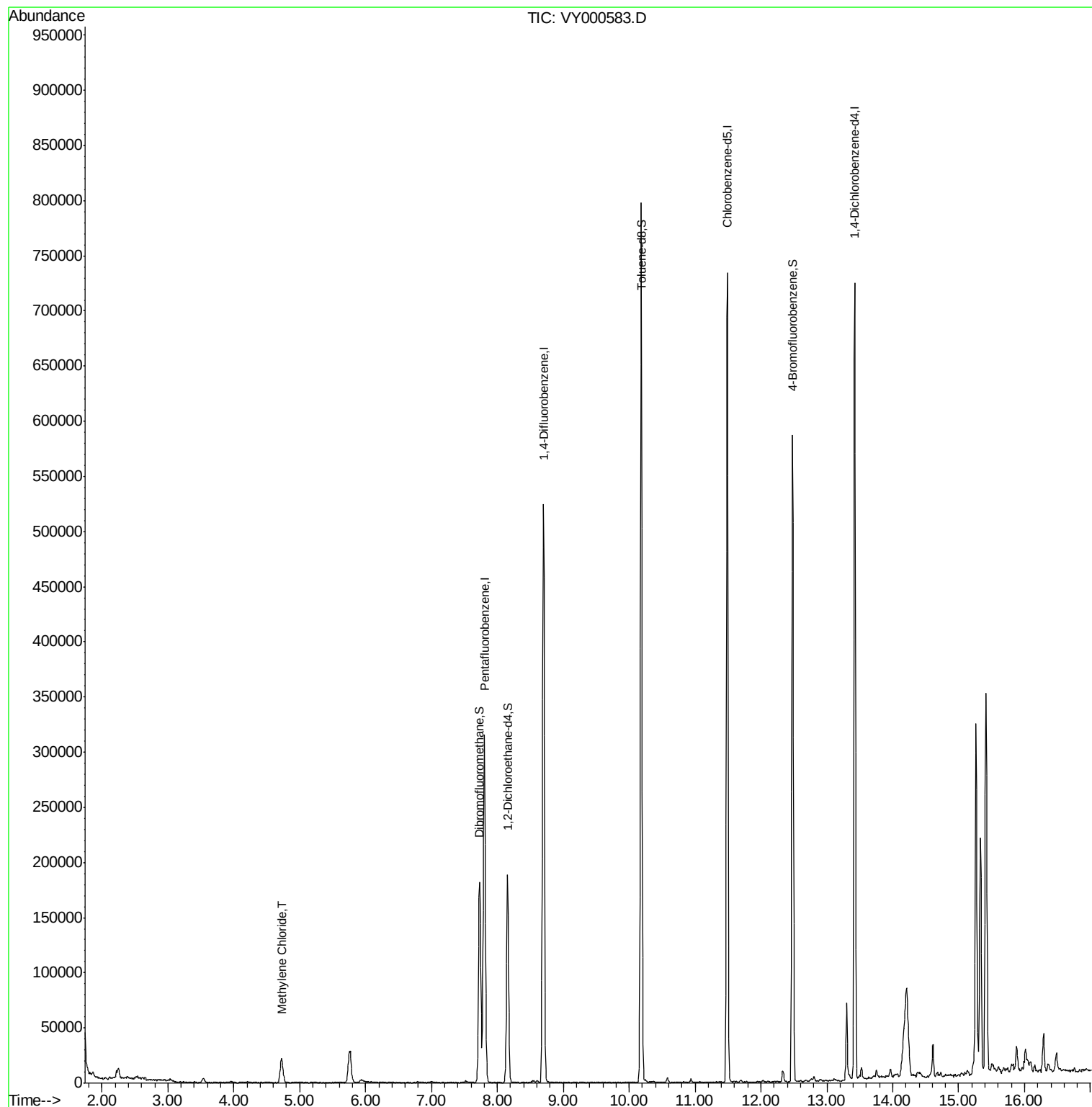
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 239663   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 431935   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 389430   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 170856   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 143232   | 57.75 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 115.50% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 127619   | 50.33 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.66% |           |
| 50) Toluene-d8              | 10.18 | 98   | 509759   | 52.98 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.96% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 175594   | 47.94 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.88%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.72  | 84   | 15162    | 5.176 | ug/l #  | Qvalue 95 |

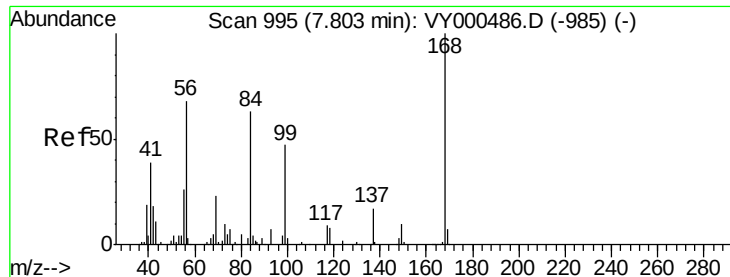
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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10-C

Quant Time: Nov 08 04:50:37 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 13:30:53 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: VY000583.D

Acq: 07 Nov 2019 16:12

Instrument :

MSVOA\_Y

ClientSampleId :

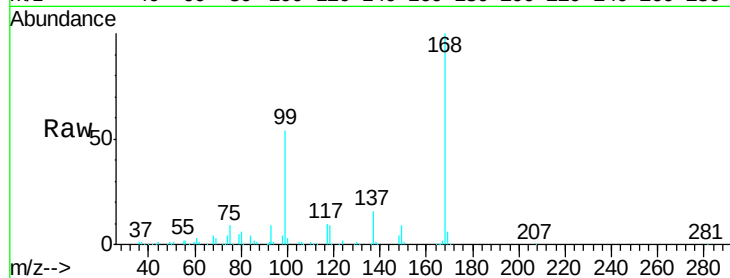
10-C

Tgt Ion:168 Resp: 239663

Ion Ratio Lower Upper

168 100

99 54.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

120000

100000

80000

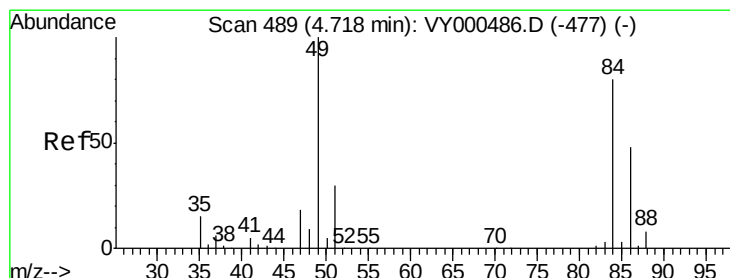
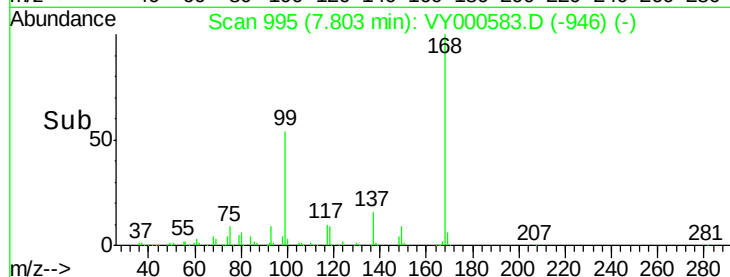
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 5.176 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000583.D

Acq: 07 Nov 2019 16:12

Tgt Ion: 84 Resp: 15162

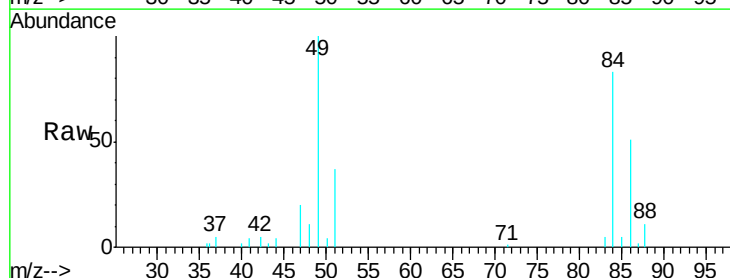
Ion Ratio Lower Upper

84 100

49 120.9 100.2 150.4

51 44.5 29.6 44.4#

86 61.3 48.3 72.5



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

10000

8000

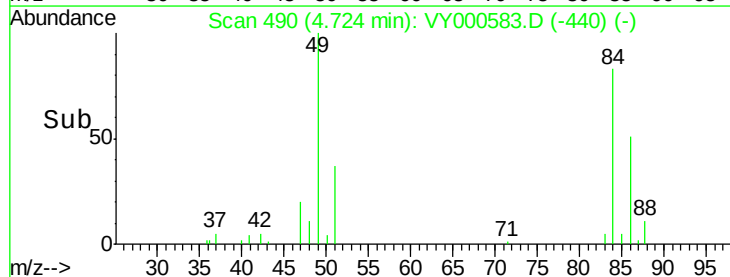
6000

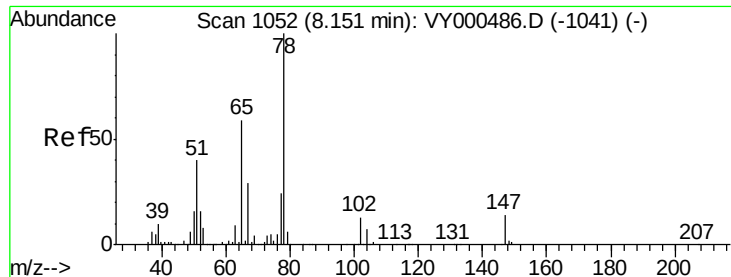
4000

2000

0

Time-->

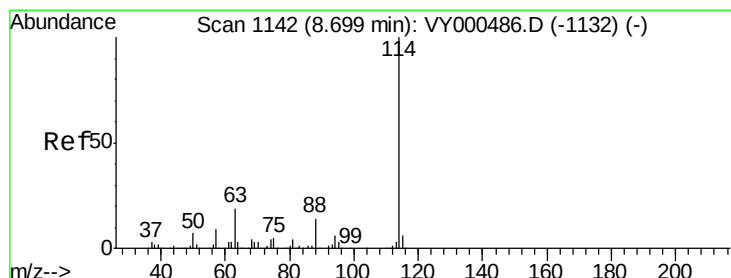
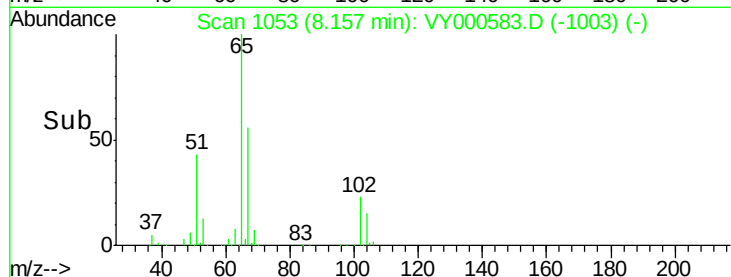
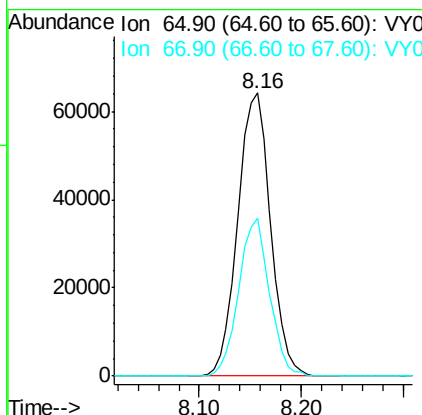
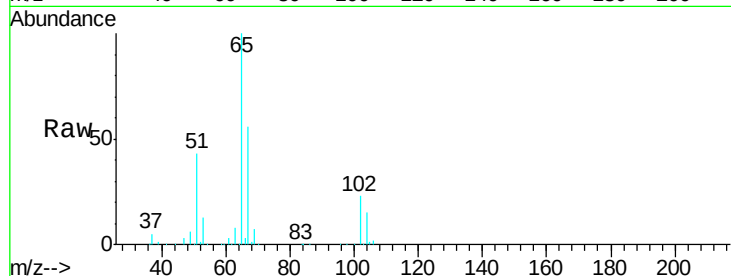




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.750 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. 0.01 min  
 Lab File: VY000583.D  
 Acq: 07 Nov 2019 16:12

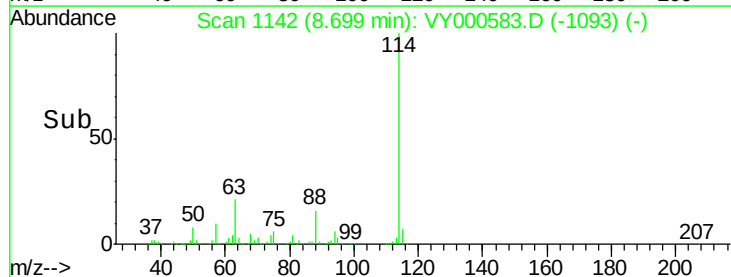
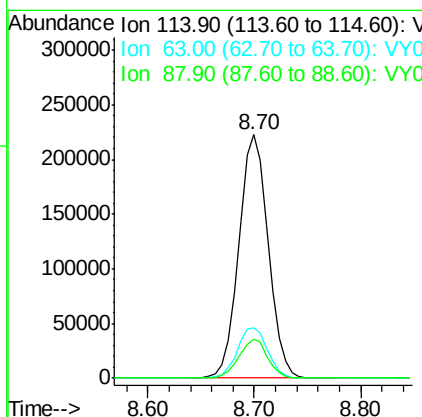
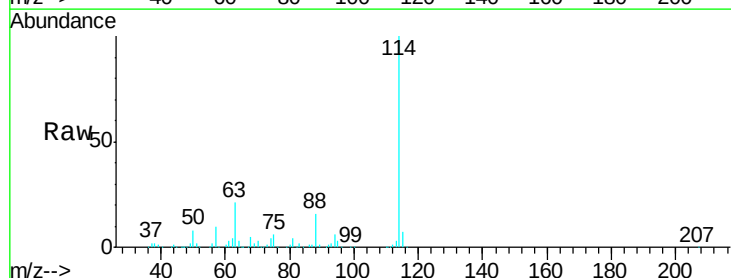
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 10-C

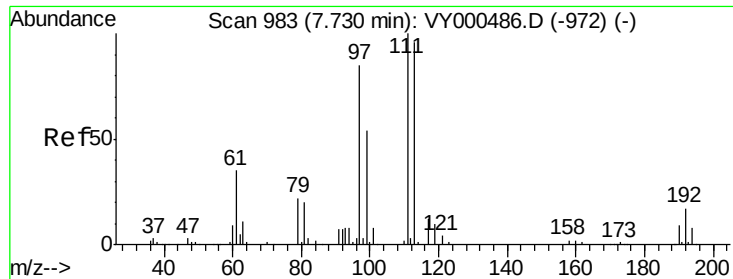
Tgt Ion: 65 Resp: 143232  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. 0.00 min  
 Lab File: VY000583.D  
 Acq: 07 Nov 2019 16:12

Tgt Ion: 114 Resp: 431935  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 38.0  
 88 16.1 0.0 28.6





#35

Dibromofluoromethane

Concen: 50.328 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000583.D

Acq: 07 Nov 2019 16:12

Instrument :  
MSVOA\_Y  
ClientSampled :  
10-C

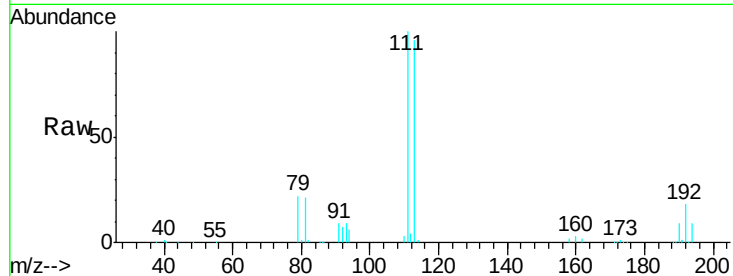
Tgt Ion:113 Resp: 127619

Ion Ratio Lower Upper

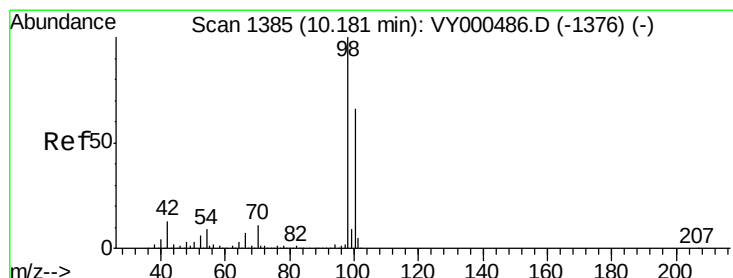
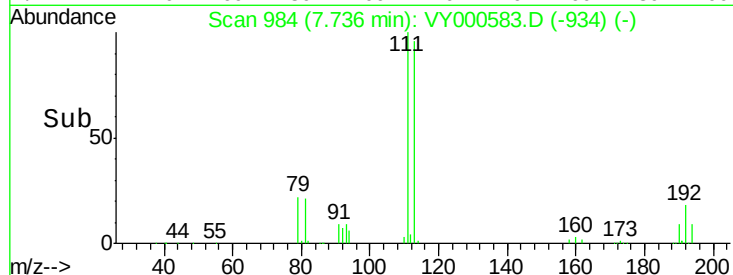
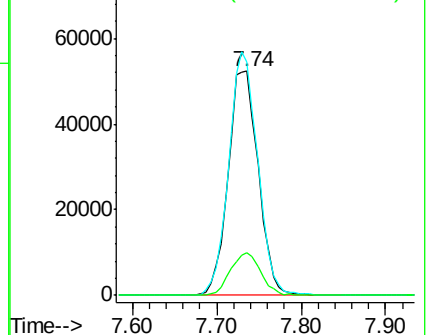
113 100

111 104.3 81.7 122.5

192 19.0 15.0 22.4



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: 52.980 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000583.D

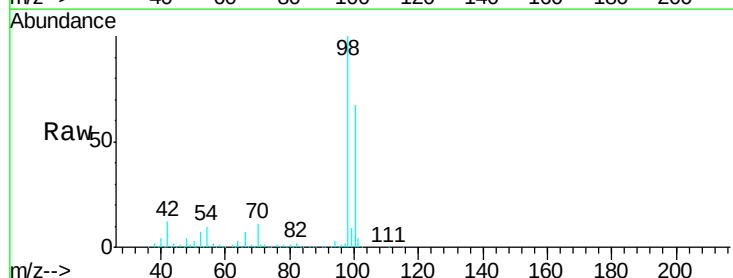
Acq: 07 Nov 2019 16:12

Tgt Ion: 98 Resp: 509759

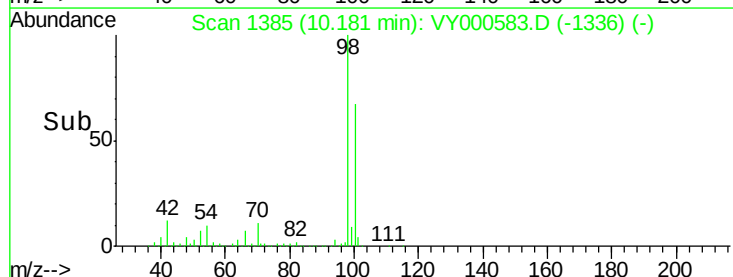
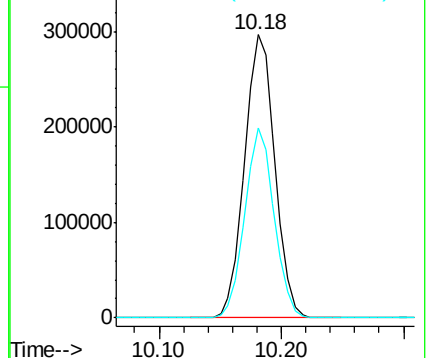
Ion Ratio Lower Upper

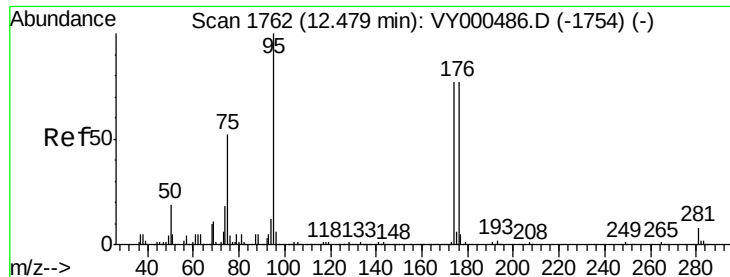
98 100

100 65.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0  
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 47.938 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000583.D

Acq: 07 Nov 2019 16:12

Instrument :

MSVOA\_Y

ClientSampleId :

10-C

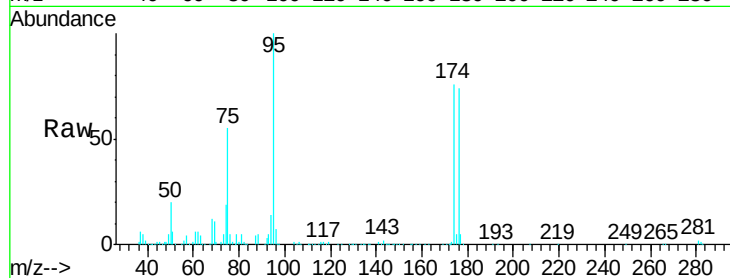
Tgt Ion: 95 Resp: 175594

Ion Ratio Lower Upper

95 100

174 77.8 0.0 161.6

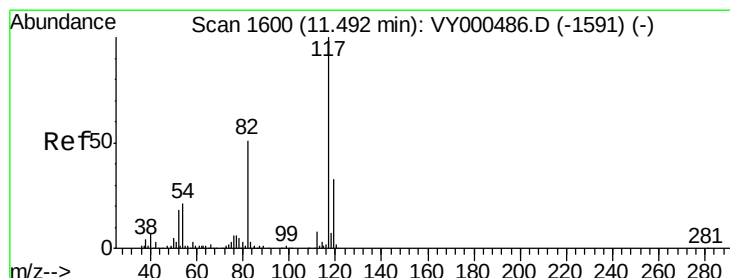
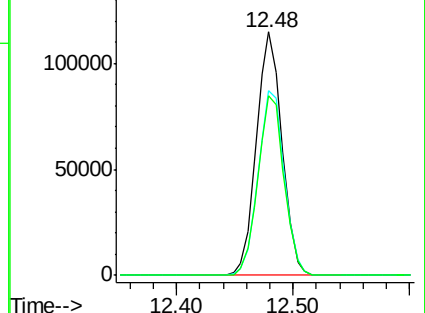
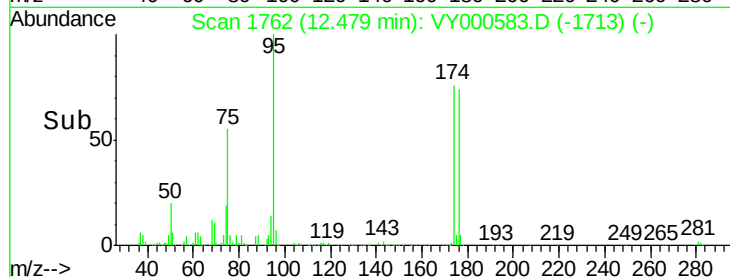
176 75.3 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000583.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY000583.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY000583.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY000583.D

Acq: 07 Nov 2019 16:12

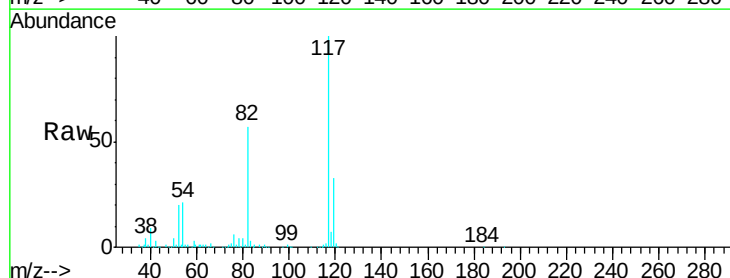
Tgt Ion: 117 Resp: 389430

Ion Ratio Lower Upper

117 100

82 57.1 40.8 61.2

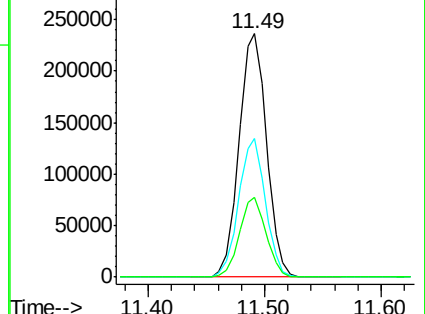
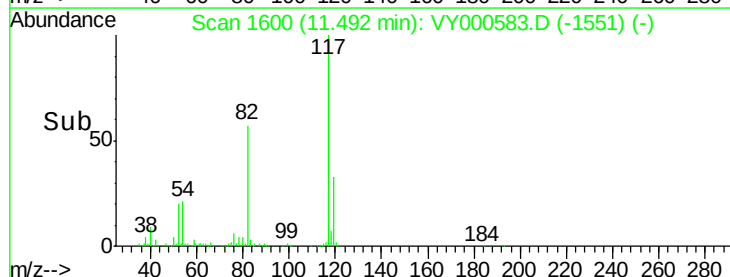
119 33.0 26.2 39.2

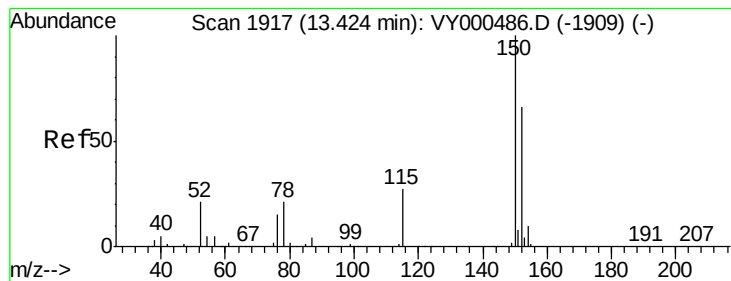


Abundance Ion 116.90 (116.60 to 117.60): VY000583.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY000583.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY000583.D (-1551) (-)



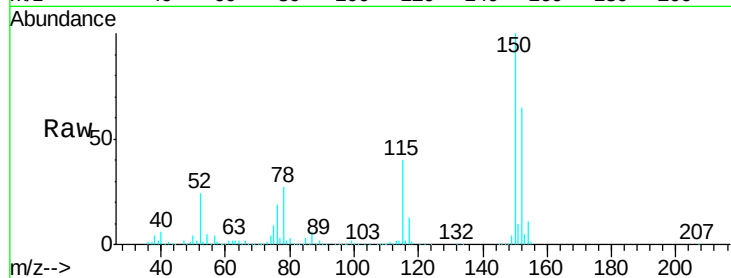


#72

1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.42 min Scan# 1917  
 Delta R.T. 0.00 min  
 Lab File: VY000583.D  
 Acq: 07 Nov 2019 16:12

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 10-C

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.8  | 29.1  | 87.4  |
| 150     | 156.8 | 0.0   | 348.8 |



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

