

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY111519\  
 Data File : VY000700.D  
 Acq On : 15 Nov 2019 14:51  
 Operator : SY/MD  
 Sample : K5861-08  
 Misc : 7.27G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-8

Quant Time: Nov 16 03:11:13 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  | 193480   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 357420   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 327859   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 154126   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65  | 123304   | 61.58 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 123.16% |      |
| 35) Dibromofluoromethane    | 7.73   | 113 | 106387   | 50.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.40% |      |
| 50) Toluene-d8              | 10.18  | 98  | 418831   | 52.60 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.20% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 146187   | 48.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.46%  |      |

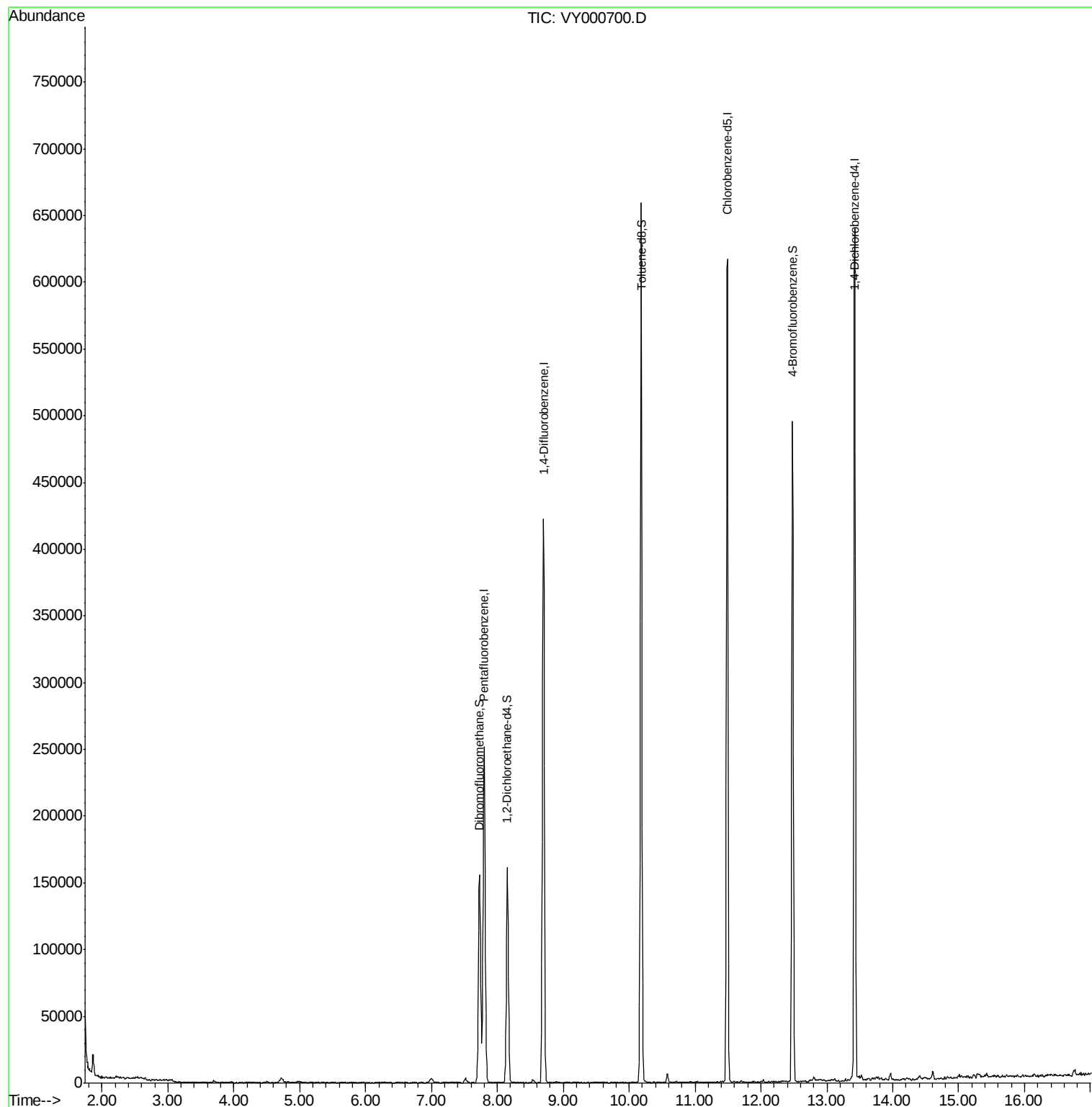
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

(#) = 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: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000700.D

Acq: 15 Nov 2019 14:51

Instrument :

MSVOA\_Y

ClientSampleId :

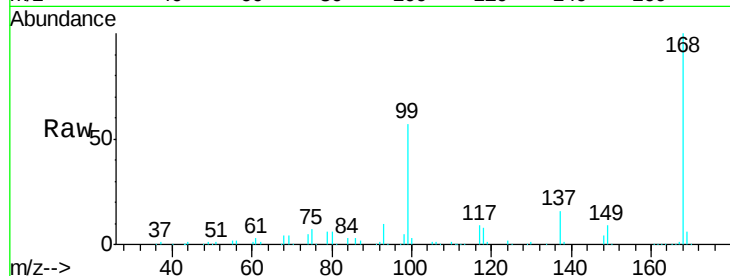
EP-8

Tgt Ion:168 Resp: 193480

Ion Ratio Lower Upper

168 100

99 57.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

80000

60000

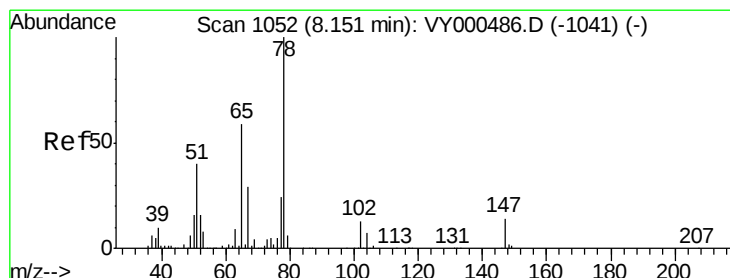
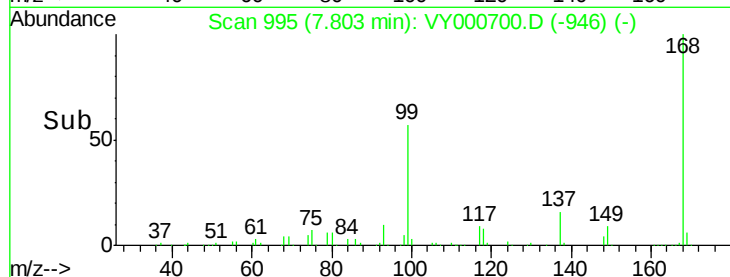
40000

20000

0

Time-->

7.70 7.80 7.90



#33

1,2-Dichloroethane-d4

Concen: 61.582 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000700.D

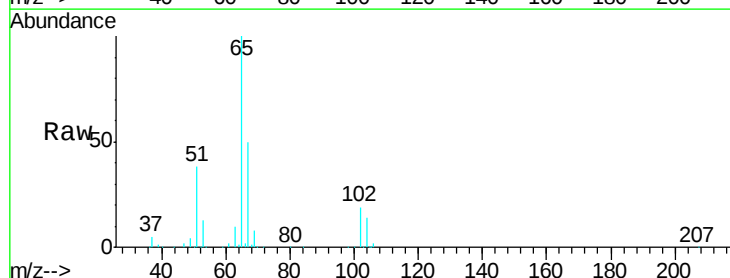
Acq: 15 Nov 2019 14:51

Tgt Ion: 65 Resp: 123304

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

8.15

60000

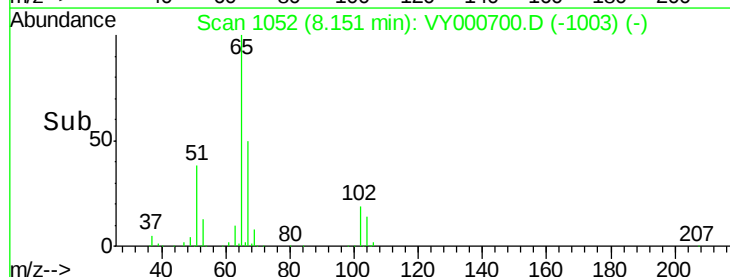
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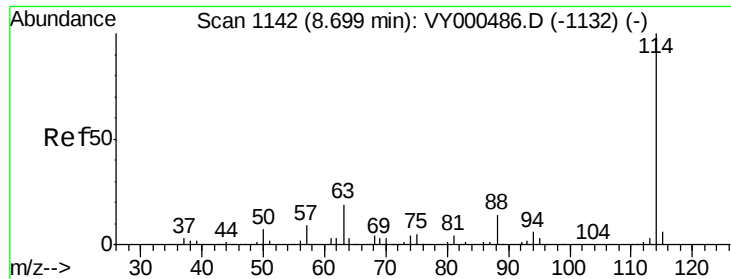
20000

0

Time-->

8.05 8.10 8.15 8.20 8.25

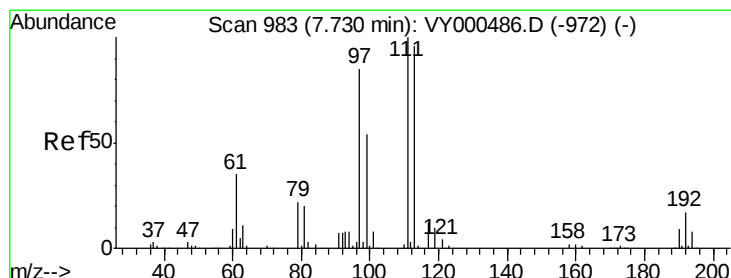
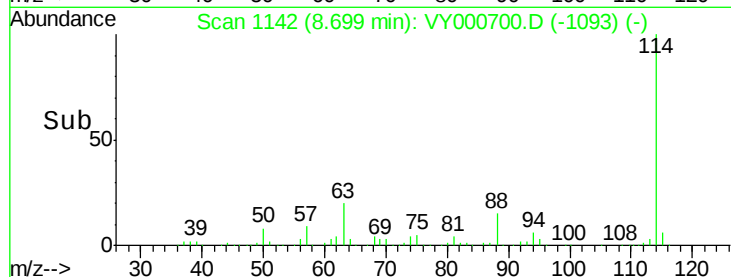
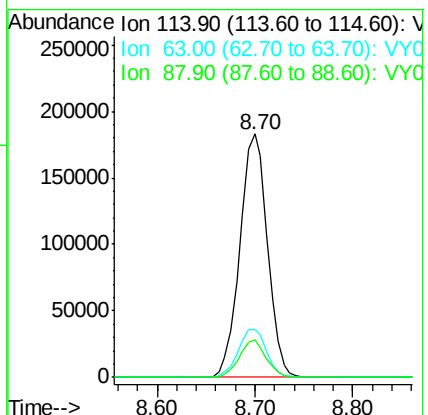
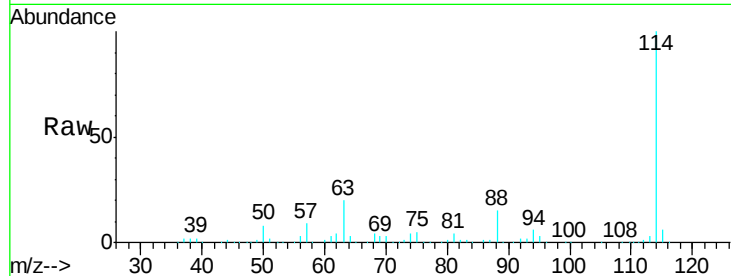




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. 0.00 min  
 Lab File: VY000700.D  
 Acq: 15 Nov 2019 14:51

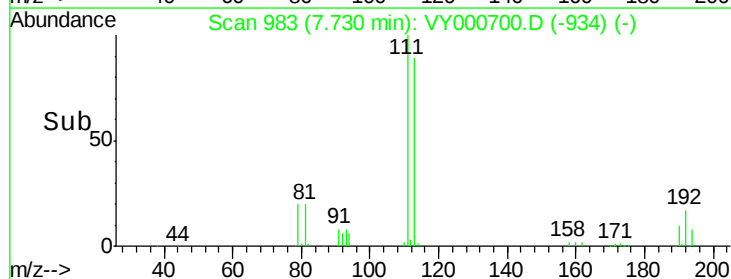
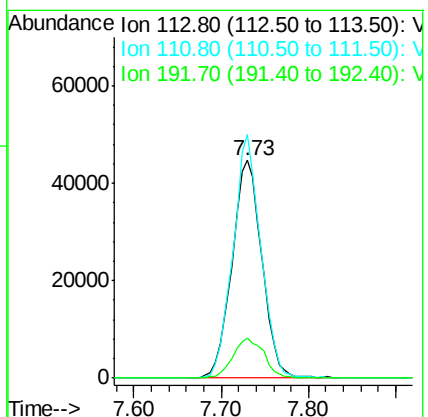
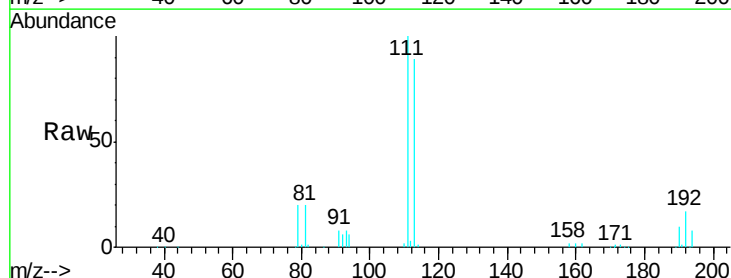
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-8

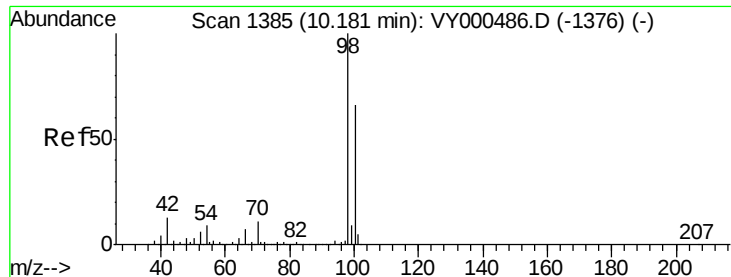
Tgt Ion:114 Resp: 357420  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 38.0  
 88 15.4 0.0 28.6



#35  
 Dibromofluoromethane  
 Concen: 50.702 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000700.D  
 Acq: 15 Nov 2019 14:51

Tgt Ion:113 Resp: 106387  
 Ion Ratio Lower Upper  
 113 100  
 111 103.9 81.7 122.5  
 192 18.8 15.0 22.4





#50

Toluene-d8

Concen: 52.605 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000700.D

Acq: 15 Nov 2019 14:51

Instrument :

MSVOA\_Y

ClientSampled :

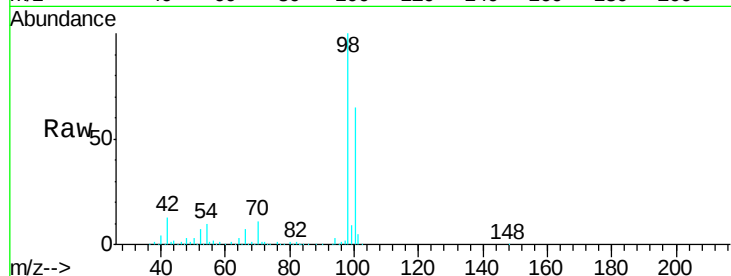
EP-8

Tgt Ion: 98 Resp: 418831

Ion Ratio Lower Upper

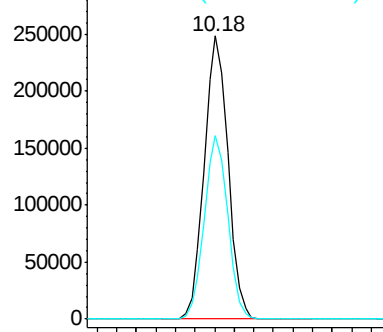
98 100

100 64.0 52.9 79.3

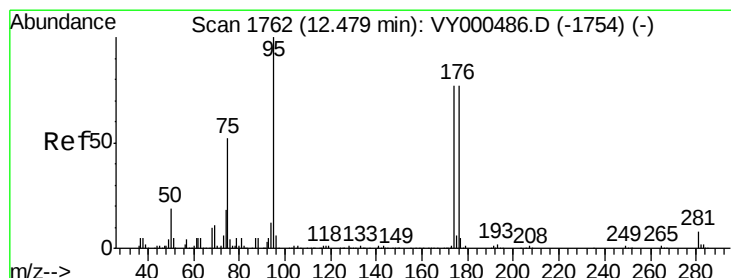
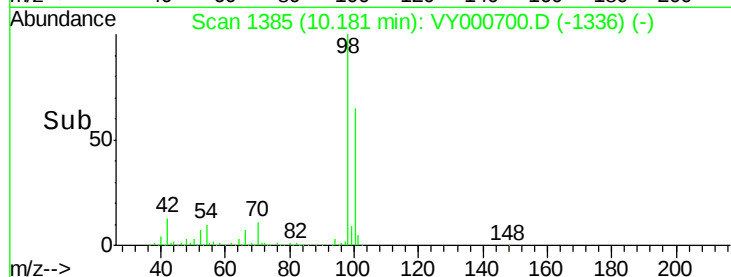


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



Time-->



#62

4-Bromofluorobenzene

Concen: 48.230 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000700.D

Acq: 15 Nov 2019 14:51

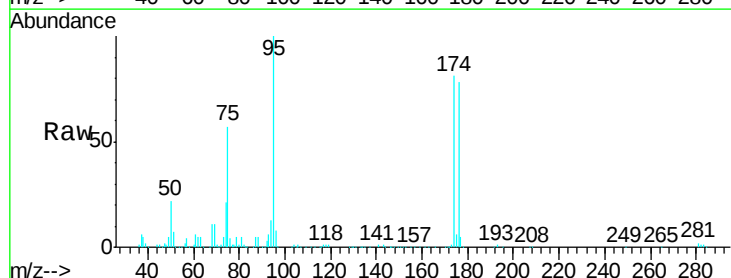
Tgt Ion: 95 Resp: 146187

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

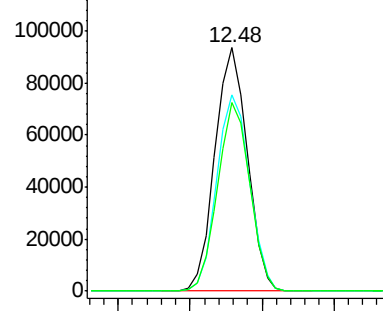
176 76.7 0.0 157.8



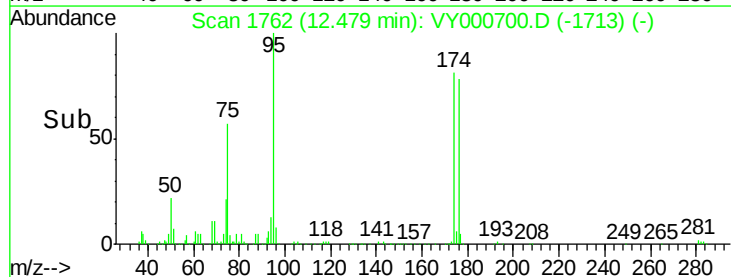
Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY

Ion 175.80 (175.50 to 176.50): VY



Time-->

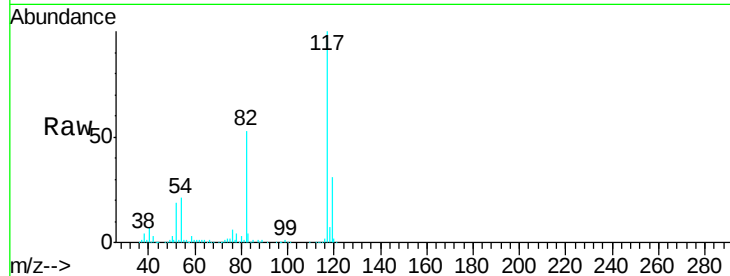




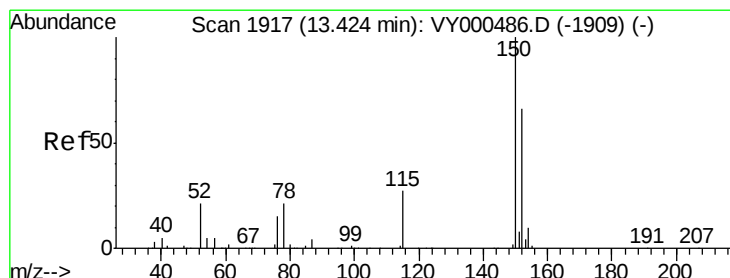
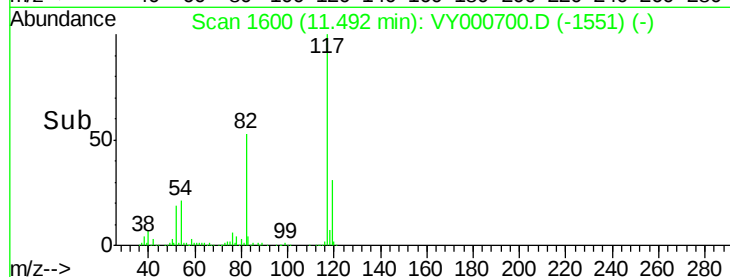
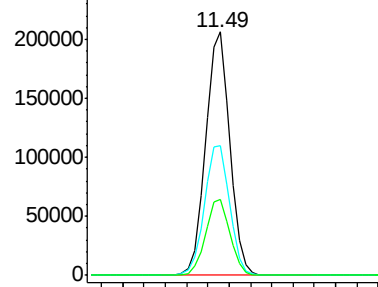
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY000700.D  
Acq: 15 Nov 2019 14:51

Instrument :  
MSVOA\_Y  
ClientSampled :  
EP-8

Tgt Ion:117 Resp: 327859  
Ion Ratio Lower Upper  
117 100  
82 53.1 40.8 61.2  
119 31.4 26.2 39.2

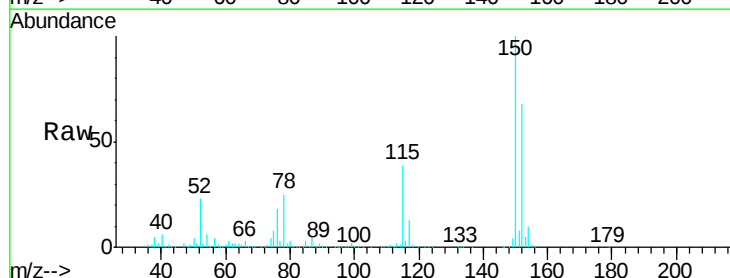


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY000700.D  
Acq: 15 Nov 2019 14:51

Tgt Ion:152 Resp: 154126  
Ion Ratio Lower Upper  
152 100  
115 59.2 29.1 87.4  
150 156.4 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

