

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\  
 Data File : VY002172.D  
 Acq On : 01 Apr 2020 18:40  
 Operator : SY/MD  
 Sample : L2129-16  
 Misc : 6.65G/5ML/MSVOA Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-4

Quant Time: Apr 02 08:09:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 07:11:05 2020  
 Response via : Initial Calibration

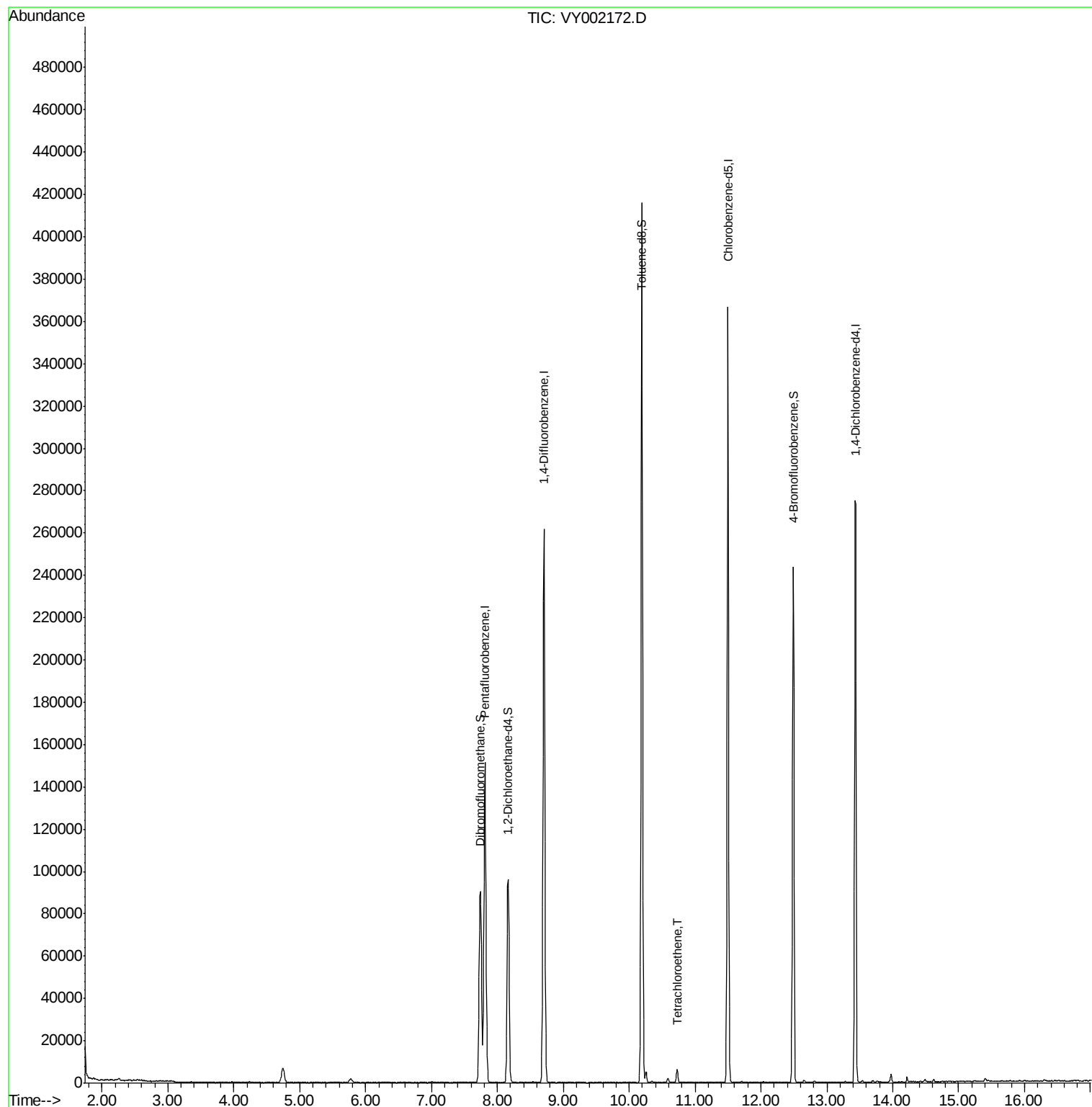
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 113231   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 222821   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 193589   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 68147    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 72092    | 57.59 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 115.18% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 67286    | 53.89 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.78% |           |
| 50) Toluene-d8              | 10.19 | 98   | 268513   | 51.77 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.54% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 77977    | 42.99 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.98%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 64) Tetrachloroethene       | 10.73 | 164  | 1295     | 1.093 | ug/l    | Qvalue 88 |

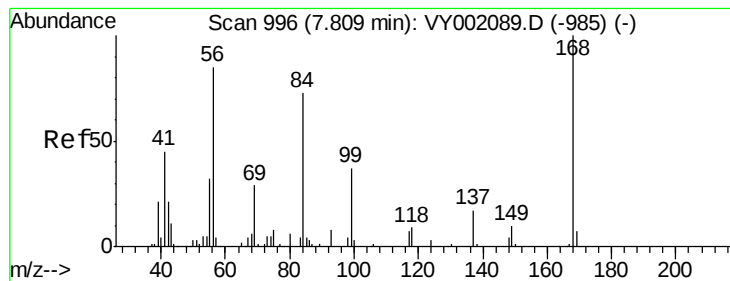
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040120\  
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QLast Update : Fri Mar 27 07:11:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002172.D

Acq: 01 Apr 2020 18:40

Instrument :

MSVOA\_Y

ClientSampleId :

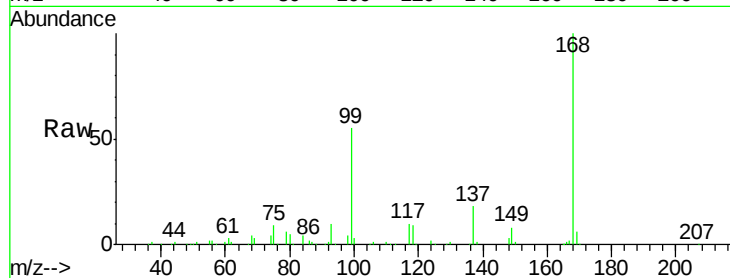
TP-4

Tot Ion:168 Resp: 113231

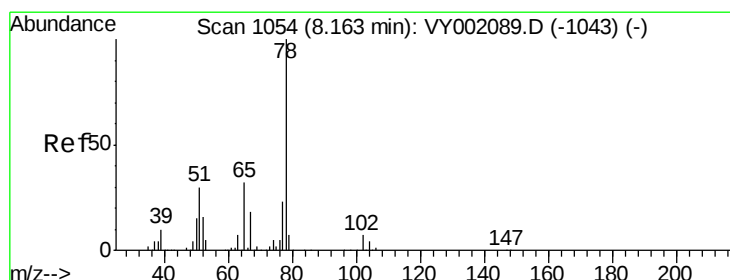
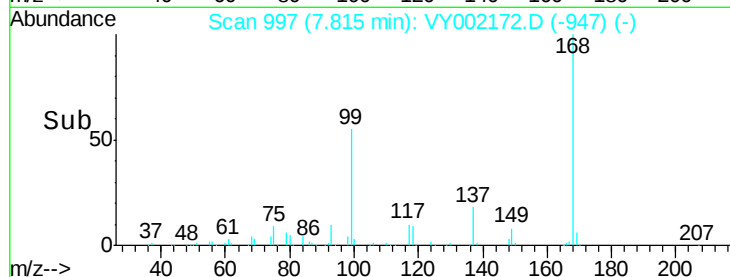
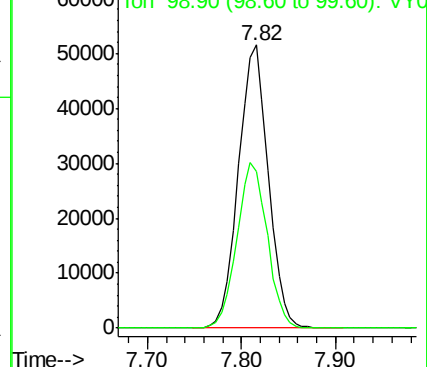
Ion Ratio Lower Upper

168 100

99 55.5 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002172.D (-947) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.594 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002172.D

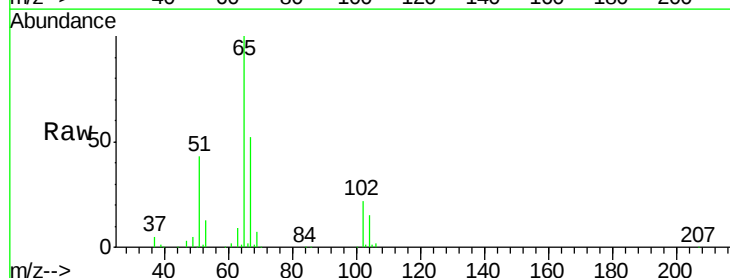
Acq: 01 Apr 2020 18:40

Tgt Ion: 65 Resp: 72092

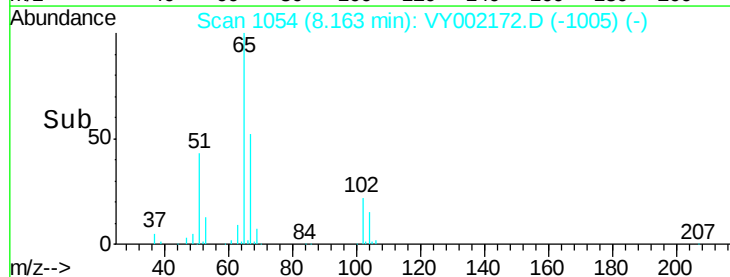
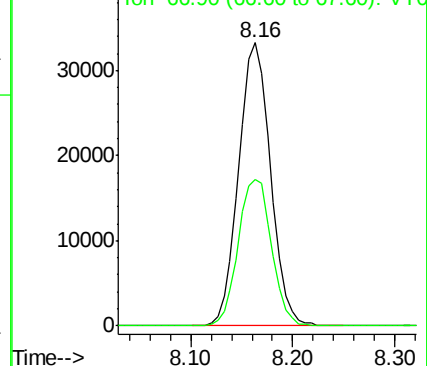
Ion Ratio Lower Upper

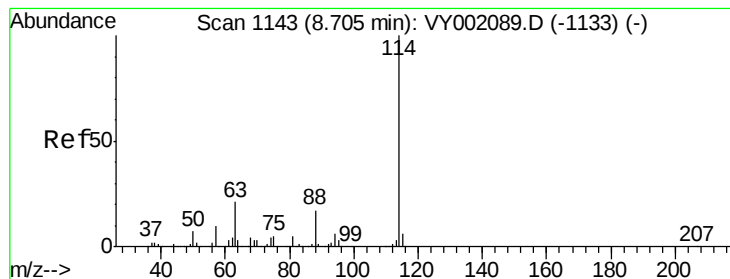
65 100

67 54.1 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY002172.D (-1005) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002172.D

Acq: 01 Apr 2020 18:40

Instrument :

MSVOA\_Y

ClientSampled :

TP-4

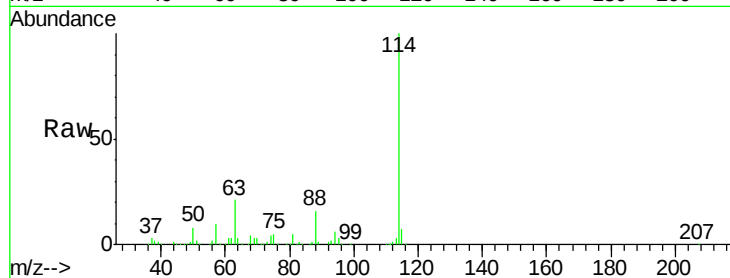
Tot Ion:114 Resp: 222821

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

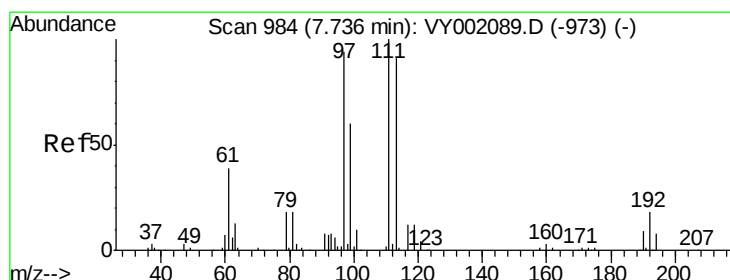
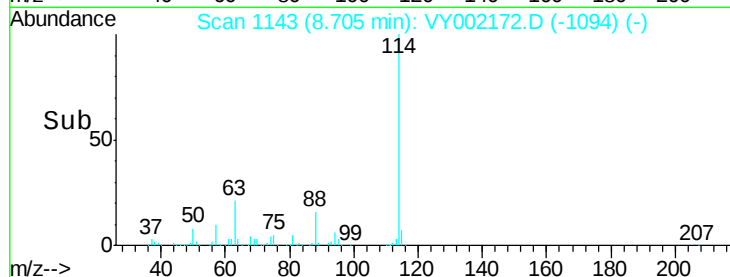
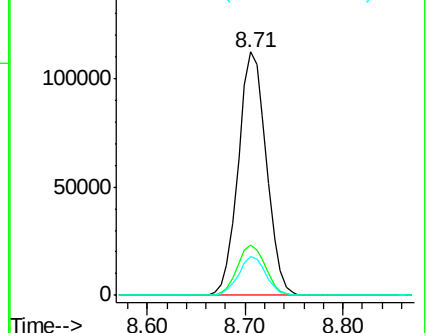
88 16.0 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 53.894 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002172.D

Acq: 01 Apr 2020 18:40

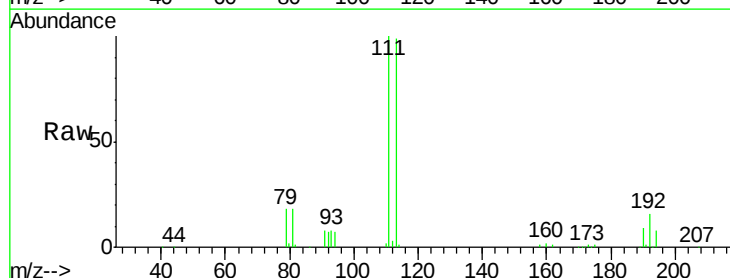
Tgt Ion:113 Resp: 67286

Ion Ratio Lower Upper

113 100

111 101.1 84.4 126.6

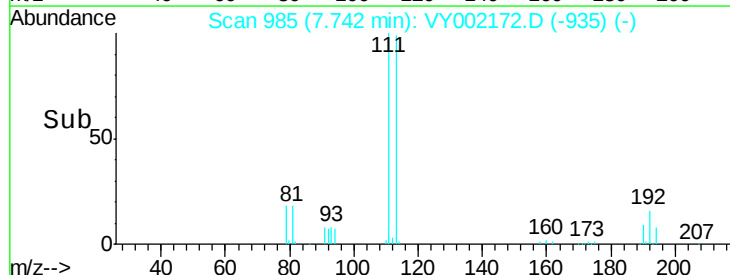
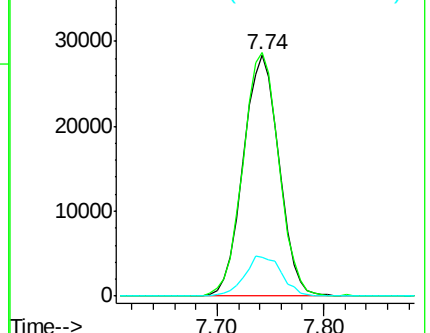
192 17.0 14.6 21.8

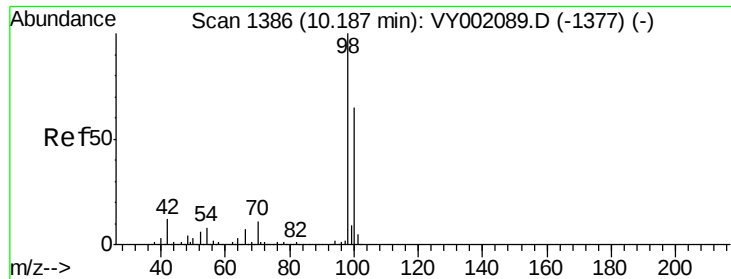


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.771 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002172.D

Acq: 01 Apr 2020 18:40

Instrument :

MSVOA\_Y

ClientSampled :

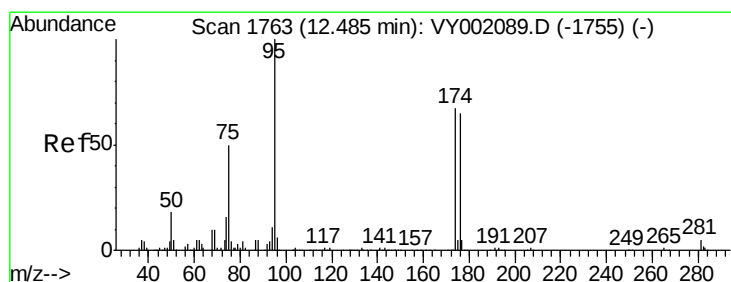
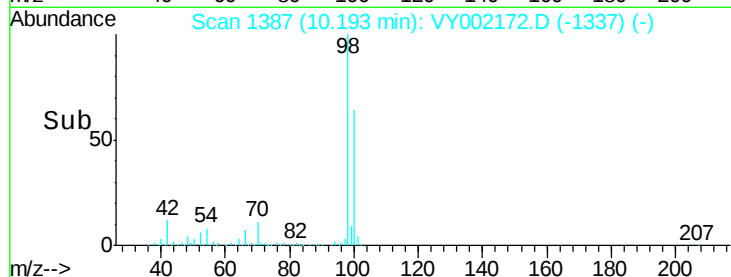
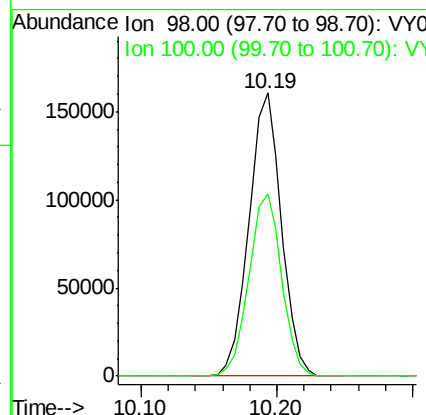
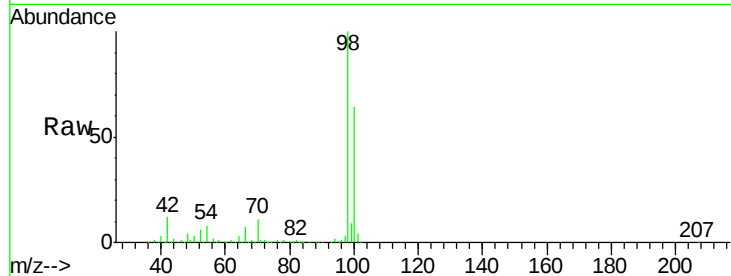
TP-4

Tot Ion: 98 Resp: 268513

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 42.988 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002172.D

Acq: 01 Apr 2020 18:40

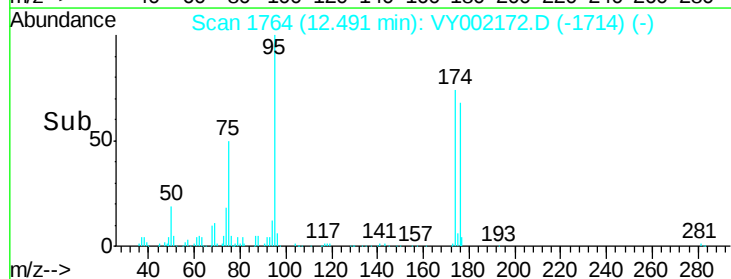
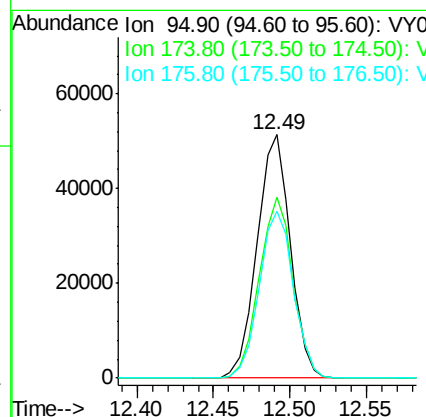
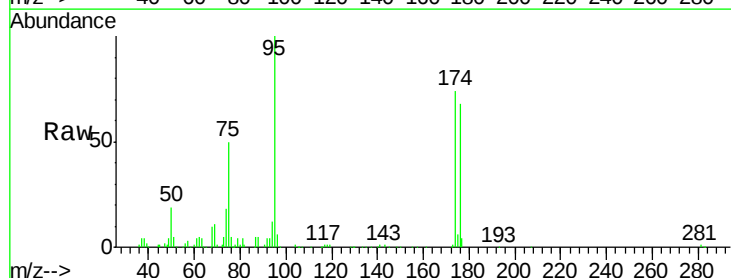
Tgt Ion: 95 Resp: 77977

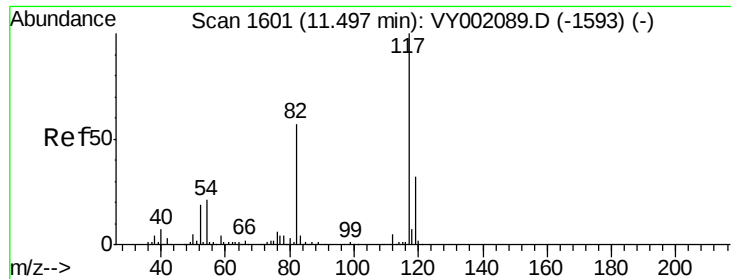
Ion Ratio Lower Upper

95 100

174 74.8 0.0 143.4

176 70.2 0.0 137.0

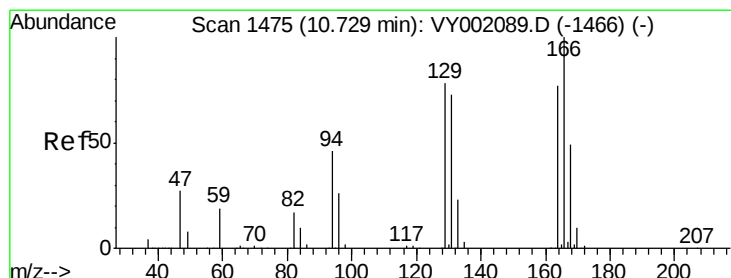
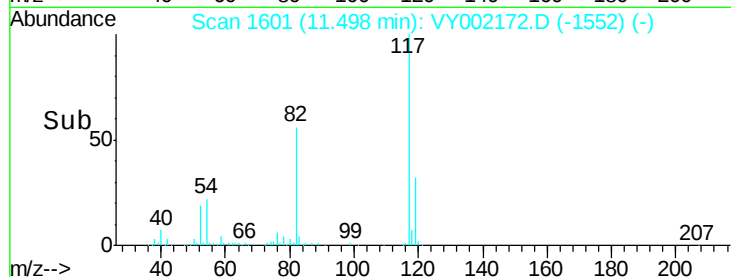
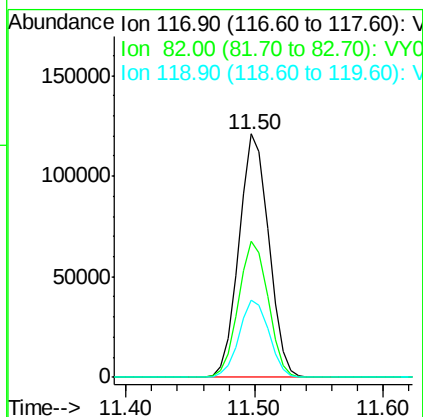
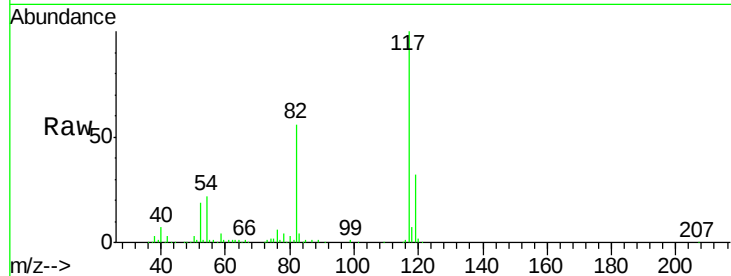




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.00 min  
Lab File: VY002172.D  
Acq: 01 Apr 2020 18:40

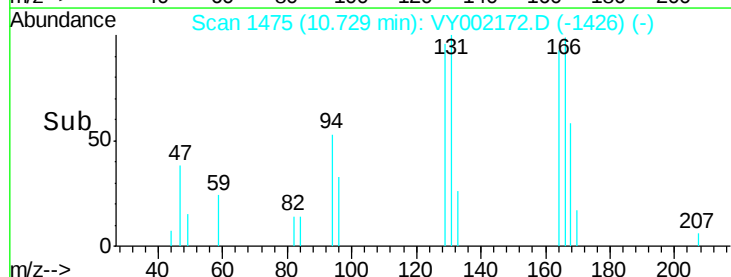
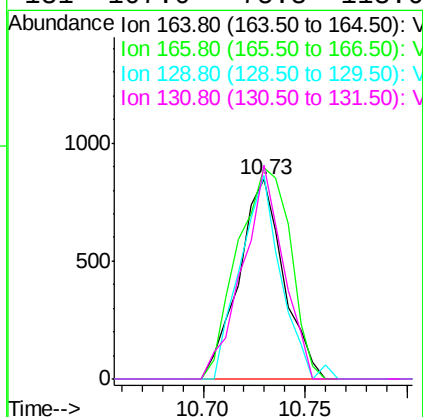
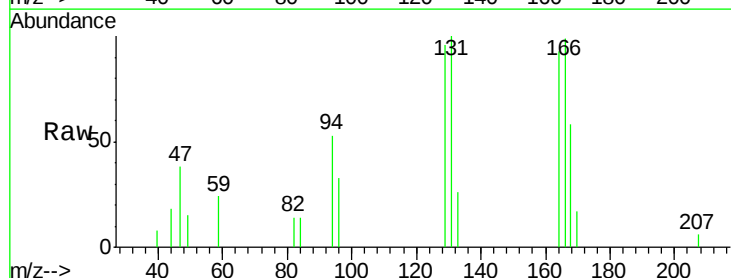
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-4

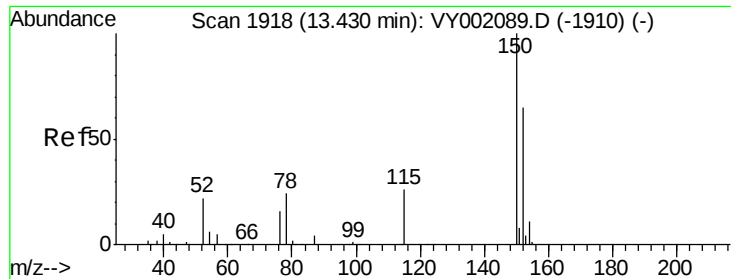
Tot Ion:117 Resp: 193589  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.4 68.2  
119 31.9 25.3 37.9



#64  
Tetrachloroethene  
Concen: 1.093 ug/l  
RT: 10.73 min Scan# 1475  
Delta R.T. 0.00 min  
Lab File: VY002172.D  
Acq: 01 Apr 2020 18:40

Tgt Ion:164 Resp: 1295  
Ion Ratio Lower Upper  
164 100  
166 105.9 104.0 156.0  
129 102.2 81.2 121.8  
131 107.0 75.8 113.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002172.D

Acq: 01 Apr 2020 18:40

Instrument :

MSVOA\_Y

ClientSampleId :

TP-4

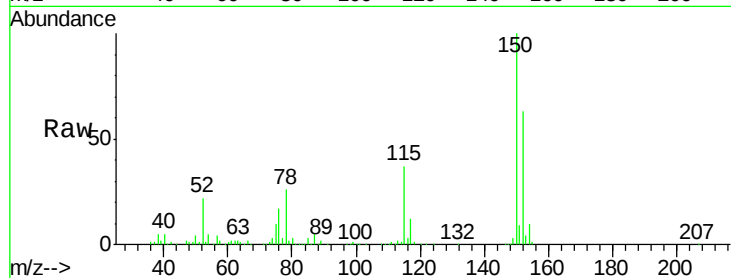
Tot Ion:152 Resp: 68147

Ion Ratio Lower Upper

152 100

115 60.1 31.2 93.6

150 154.7 0.0 354.8



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

