

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030920\  
 Data File : VY001913.D  
 Acq On : 09 Mar 2020 17:09  
 Operator : SY/MD  
 Sample : L1852-14  
 Misc : 5.06G/5ML/MSVOA Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3-S2

Quant Time: Mar 10 12:17:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 04:05:33 2020  
 Response via : Initial Calibration

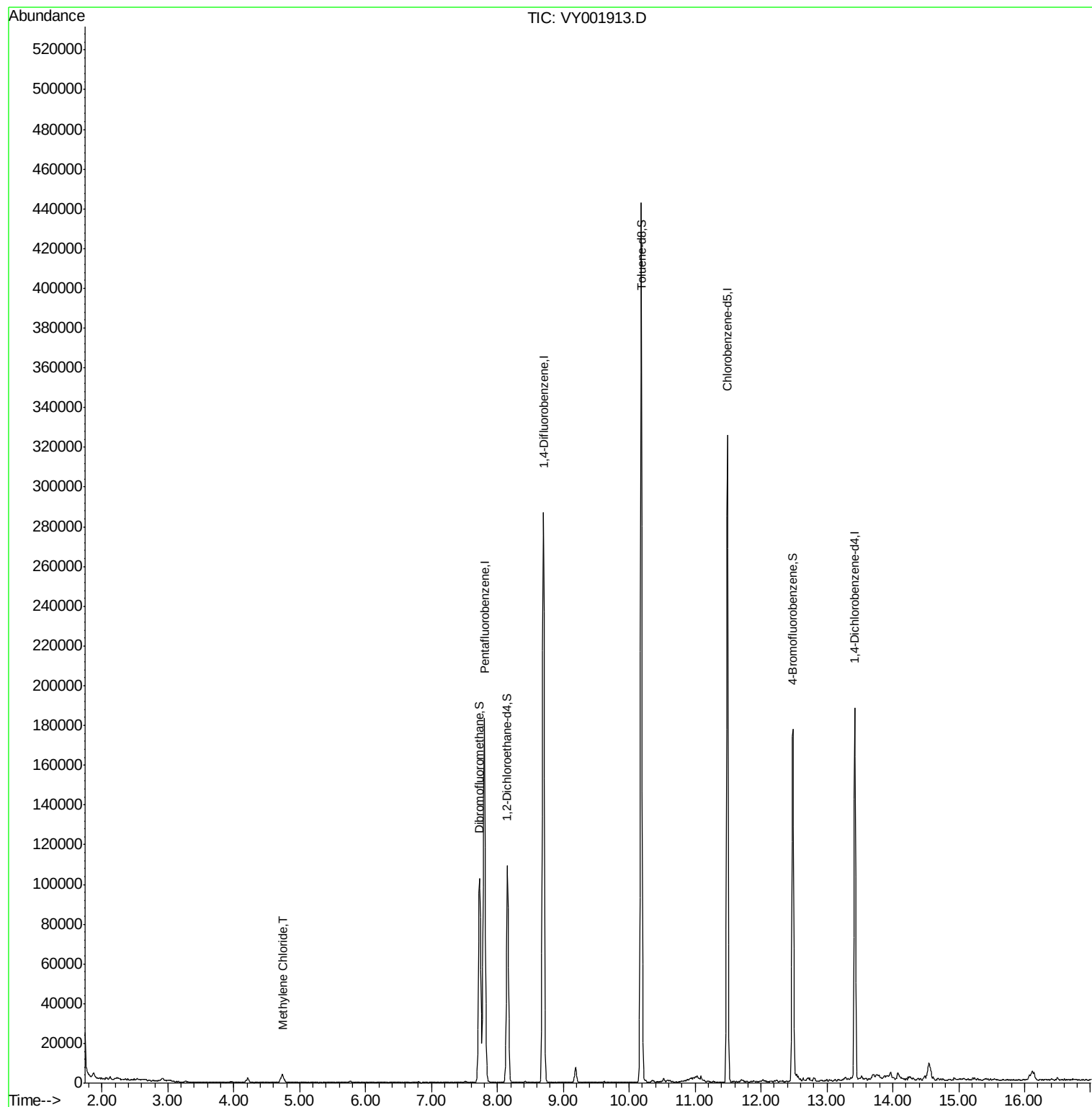
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 133771   | 50.00 | ug/l    | -0.01     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 243359   | 50.00 | ug/l    | -0.01     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 170450   | 50.00 | ug/l    | -0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 43571    | 50.00 | ug/l    | -0.01     |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 79874    | 55.93 | ug/l    | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.86% |           |
| 35) Dibromofluoromethane    | 7.73  | 113  | 74425    | 56.01 | ug/l    | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.02% |           |
| 50) Toluene-d8              | 10.18 | 98   | 286109   | 51.06 | ug/l    | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.12% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 58257    | 29.90 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 59.80%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.74  | 84   | 2905     | 1.630 | ug/l    | Qvalue 90 |

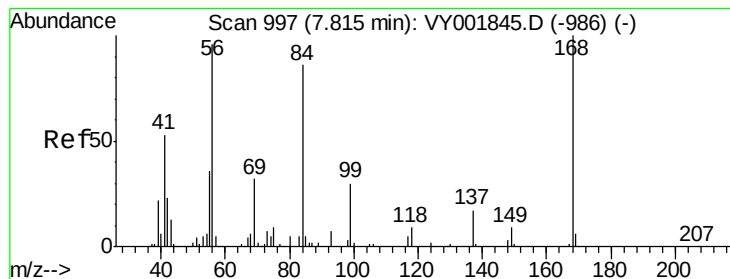
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY030920\  
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Misc : 5.06G/5ML/MSVOA Y/SOIL  
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MSVOA\_Y  
ClientSampleId :  
TP-3-S2

Quant Time: Mar 10 12:17:36 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

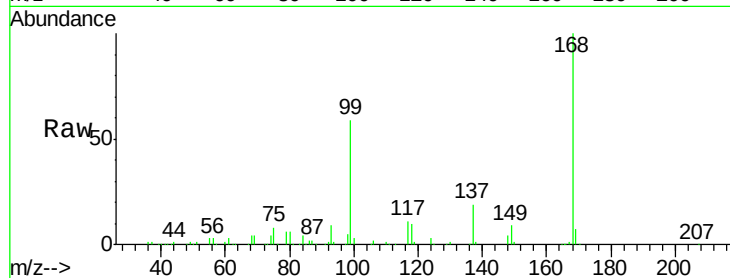
TP-3-S2

Tot Ion:168 Resp: 133771

Ion Ratio Lower Upper

168 100

99 59.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001913.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001913.D (-948) (-)

7.80

60000

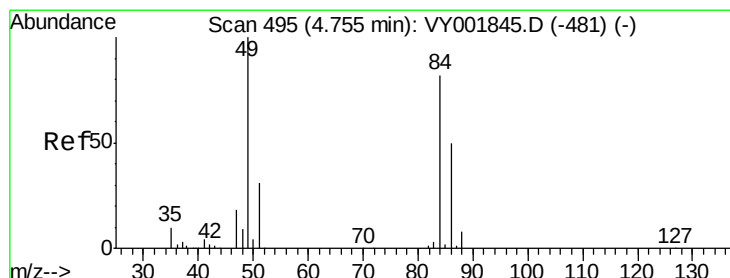
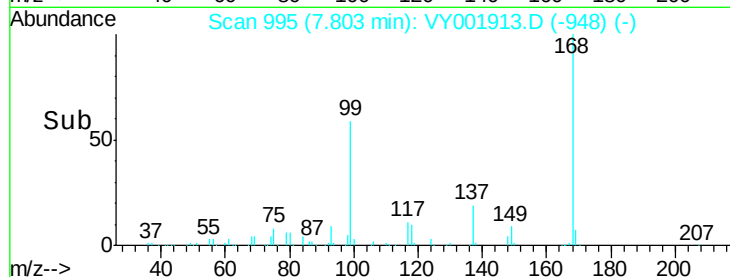
40000

20000

0

7.70 7.80 7.90

Time-->



#20

Methylene Chloride

Concen: 1.630 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Tgt Ion: 84 Resp: 2905

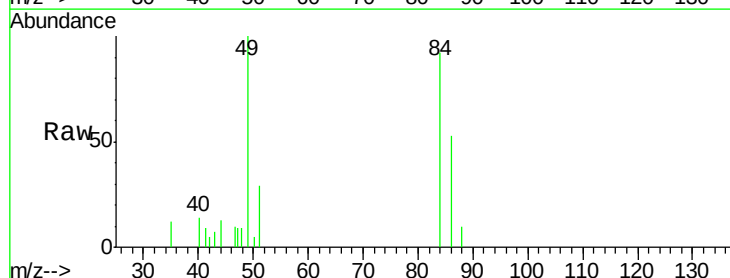
Ion Ratio Lower Upper

84 100

49 108.8 98.2 147.2

51 31.7 30.2 45.2

86 57.6 48.9 73.3



Abundance Ion 83.90 (83.60 to 84.60): VY001913.D (-446) (-)

Ion 48.90 (48.60 to 49.60): VY001913.D (-446) (-)

Ion 50.90 (50.60 to 51.60): VY001913.D (-446) (-)

Ion 85.90 (85.60 to 86.60): VY001913.D (-446) (-)

4.74

1500

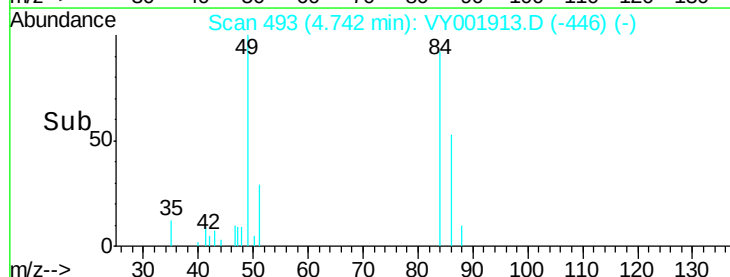
1000

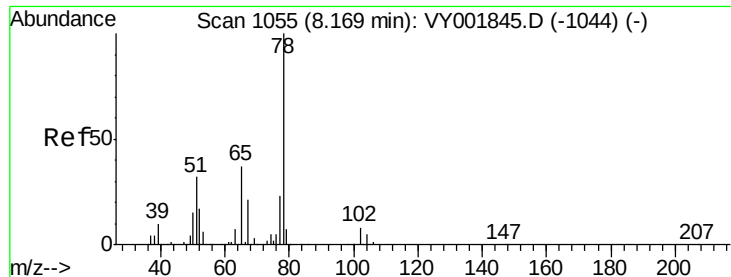
500

0

4.65 4.70 4.75 4.80

Time-->

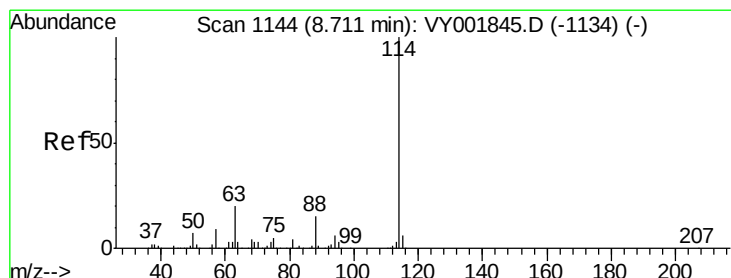
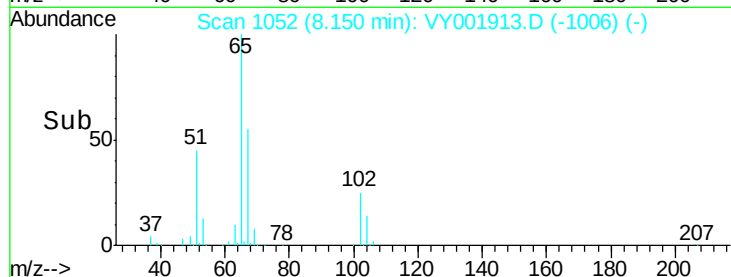
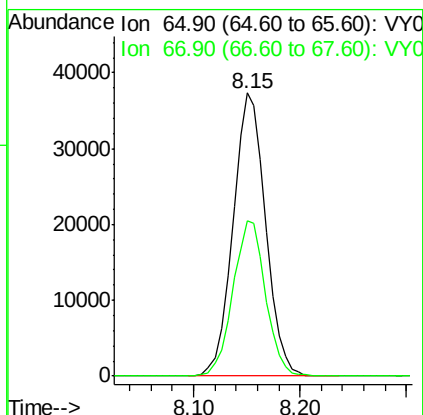
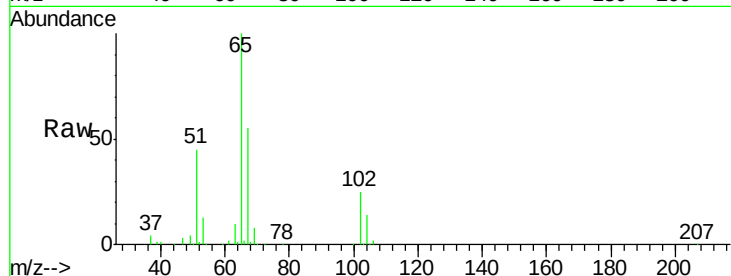




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.930 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. -0.02 min  
 Lab File: VY001913.D  
 Acq: 09 Mar 2020 17:09

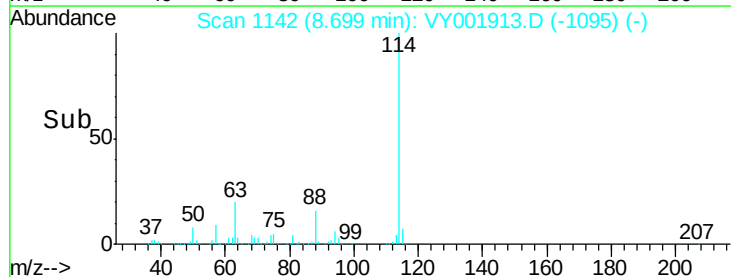
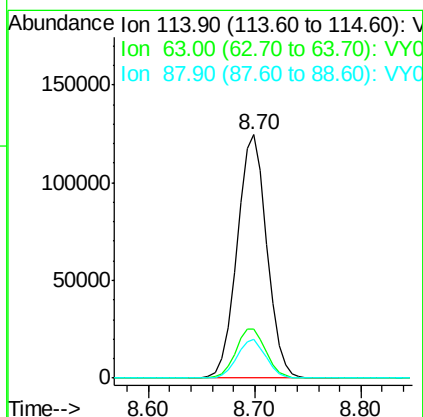
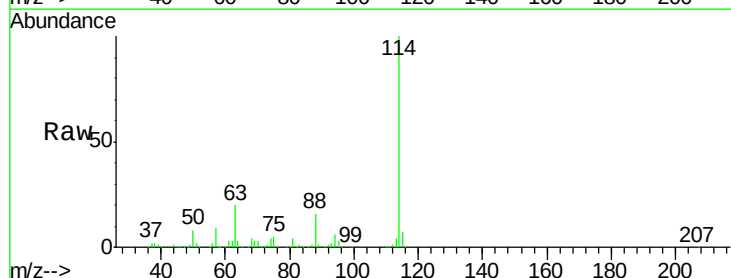
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3-S2

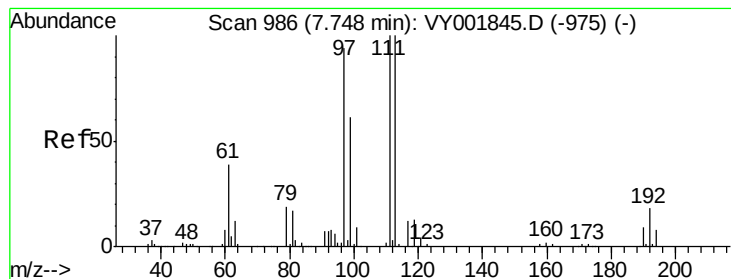
Tot Ion: 65 Resp: 79874  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 110.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY001913.D  
 Acq: 09 Mar 2020 17:09

Tgt Ion: 114 Resp: 243359  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 39.4  
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 56.007 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

TP-3-S2

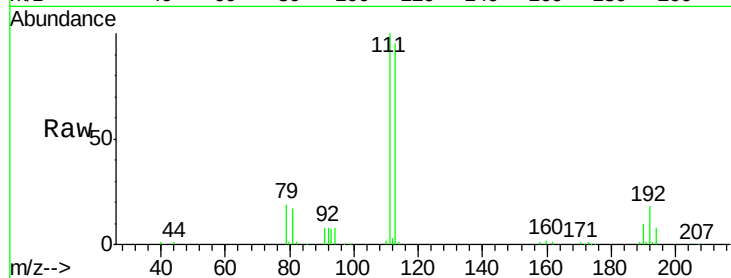
Tot Ion:113 Resp: 74425

Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.8

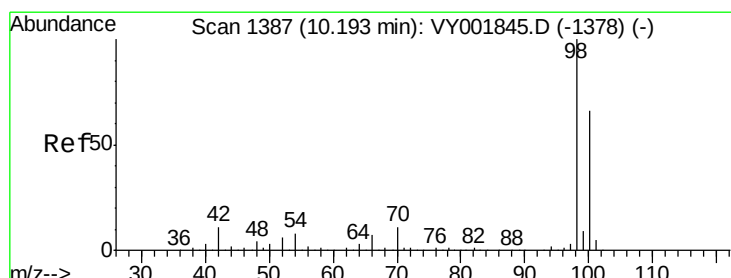
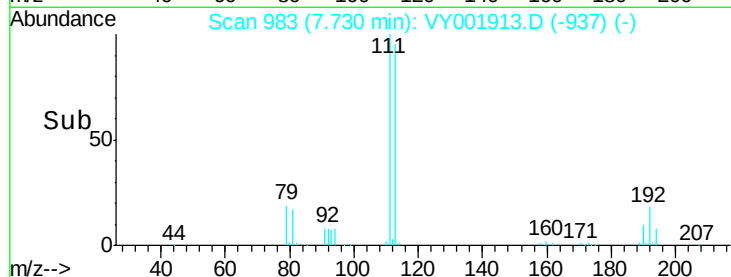
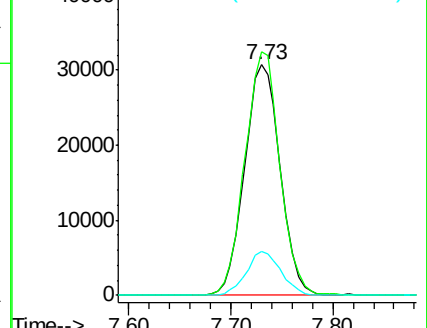
192 18.6 14.2 21.2



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: 51.059 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001913.D

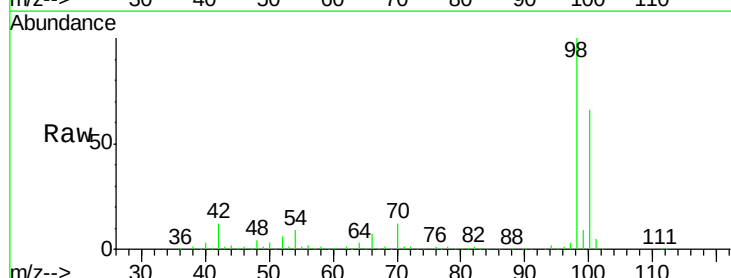
Acq: 09 Mar 2020 17:09

Tgt Ion: 98 Resp: 286109

Ion Ratio Lower Upper

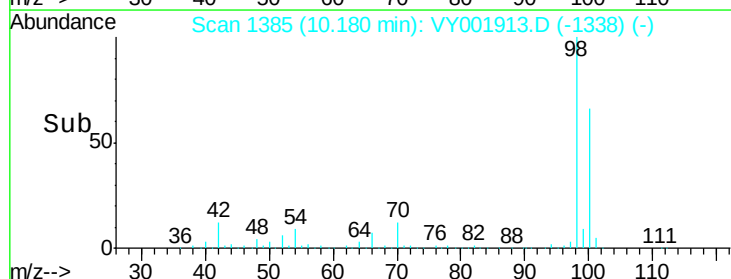
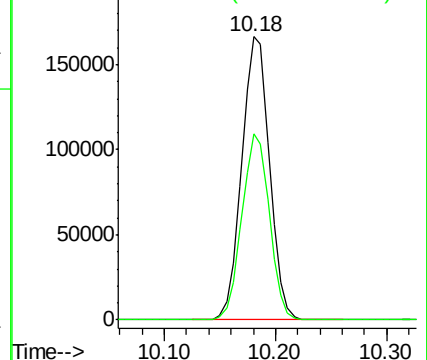
98 100

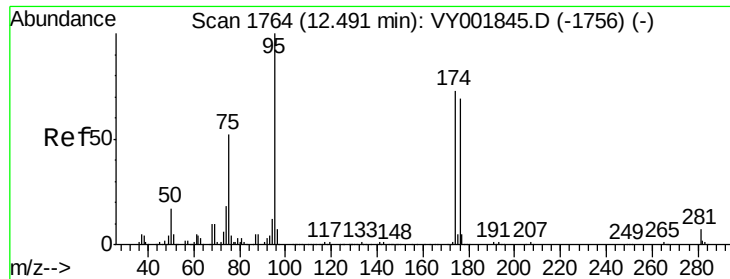
100 65.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

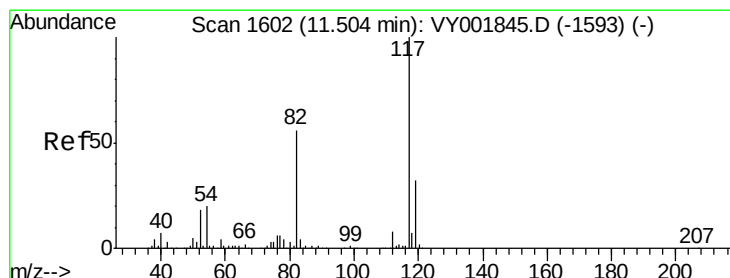
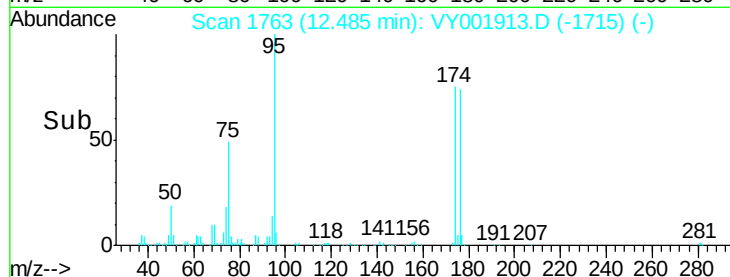
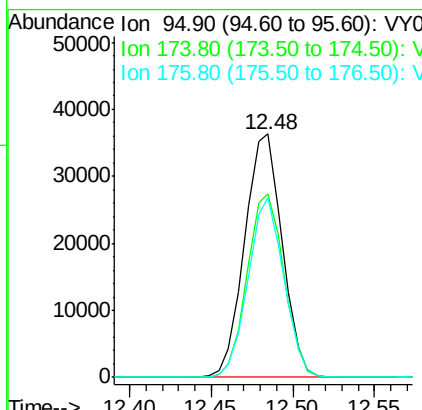
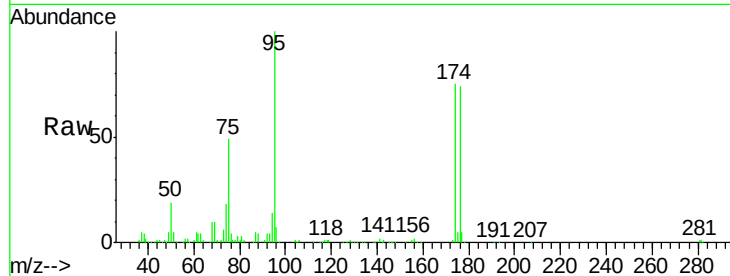




#62  
4-Bromofluorobenzene  
Concen: 29.900 ug/l  
RT: 12.48 min Scan# 1763  
Delta R.T. -0.01 min  
Lab File: VY001913.D  
Acq: 09 Mar 2020 17:09

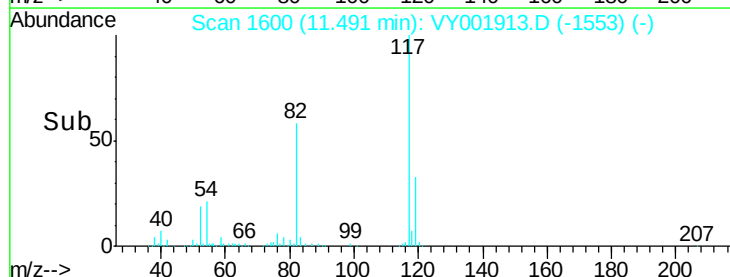
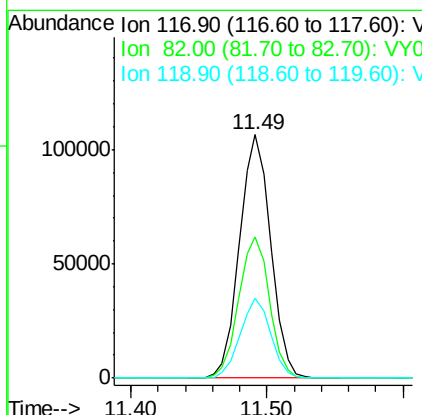
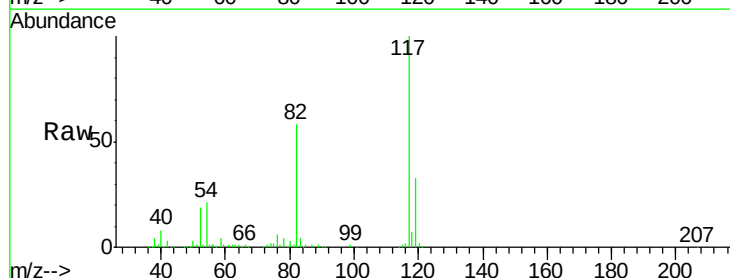
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3-S2

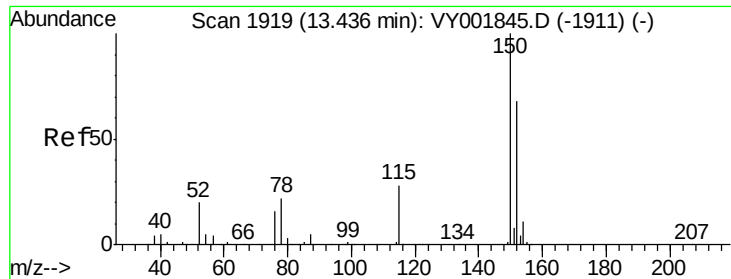
Tot Ion: 95 Resp: 58257  
Ion Ratio Lower Upper  
95 100  
174 74.1 0.0 145.0  
176 70.4 0.0 137.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY001913.D  
Acq: 09 Mar 2020 17:09

Tgt Ion: 117 Resp: 170450  
Ion Ratio Lower Upper  
117 100  
82 58.0 44.5 66.7  
119 33.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: VY001913.D  
Acq: 09 Mar 2020 17:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3-S2

Tot Ion:152 Resp: 43571  
Ion Ratio Lower Upper  
152 100  
115 61.8 29.9 89.7  
150 159.4 0.0 340.6

