

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030920\  
 Data File : VY001914.D  
 Acq On : 09 Mar 2020 17:31  
 Operator : SY/MD  
 Sample : L1852-18  
 Misc : 6.56G/5ML/MSVOA Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3-D2

Quant Time: Mar 10 12:18:29 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

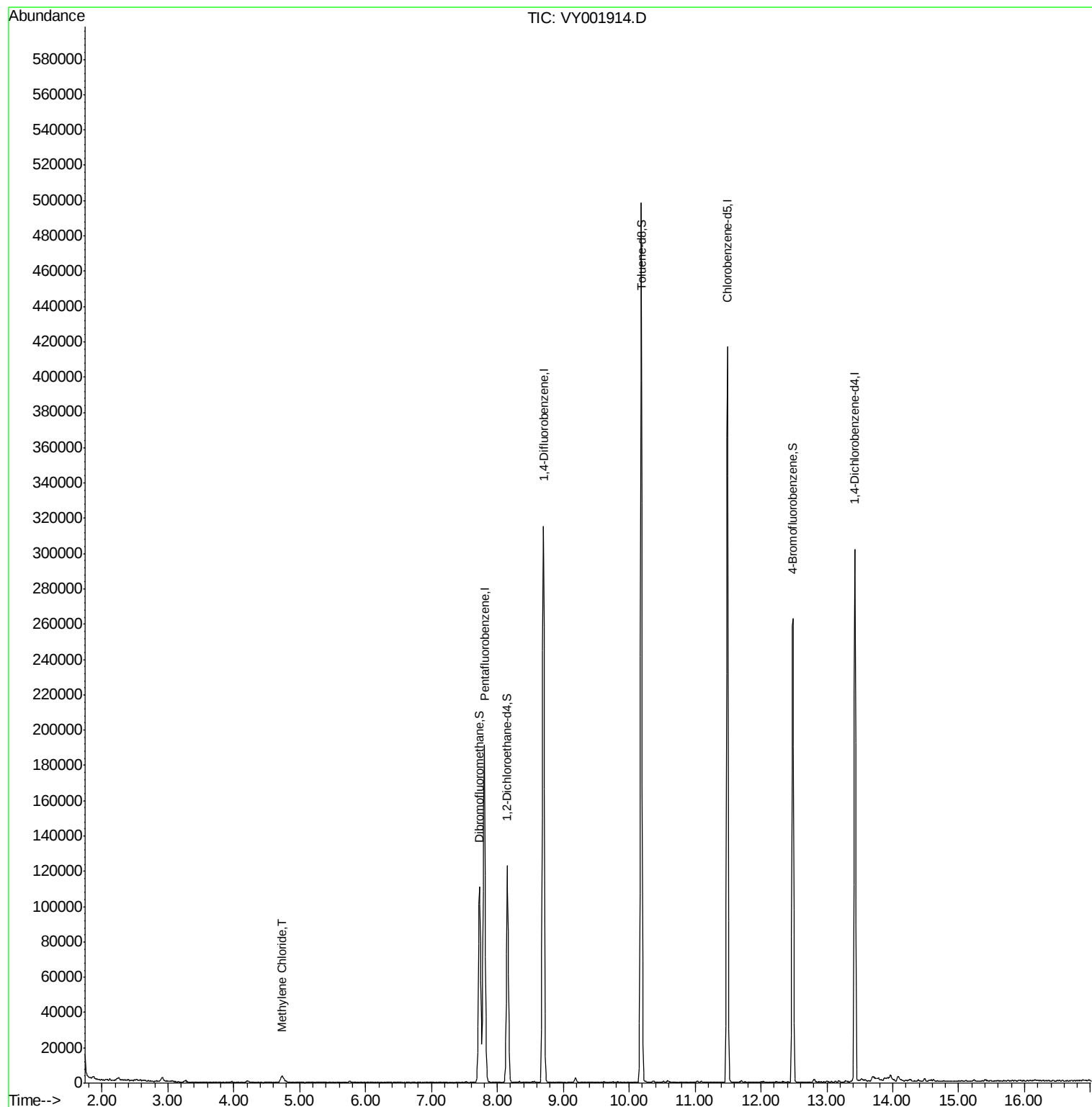
| Internal Standards          | R.T.  | QIon  | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|-------|----------|-------|---------|----------|
| -----                       | ----- | ----- | -----    | ----- | -----   | -----    |
| 1) Pentafluorobenzene       | 7.80  | 168   | 140671   | 50.00 | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene     | 8.70  | 114   | 271861   | 50.00 | ug/l    | -0.01    |
| 63) Chlorobenzene-d5        | 11.49 | 117   | 221429   | 50.00 | ug/l    | -0.01    |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152   | 73022    | 50.00 | ug/l    | -0.01    |
| System Monitoring Compounds |       |       |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65    | 86226    | 57.42 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |       | Recovery | =     | 114.84% |          |
| 35) Dibromofluoromethane    | 7.73  | 113   | 79638    | 53.65 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |       | Recovery | =     | 107.30% |          |
| 50) Toluene-d8              | 10.18 | 98    | 324783   | 51.88 | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |       | Recovery | =     | 103.76% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95    | 86233    | 39.62 | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |       | Recovery | =     | 79.24%  |          |
| Target Compounds            |       |       |          |       |         | Qvalue   |
| 20) Methylene Chloride      | 4.74  | 84    | 2647     | 1.412 | ug/l #  | 85       |
| -----                       | ----- | ----- | -----    | ----- | -----   | -----    |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY030920\  
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MSVOA\_Y  
ClientSampleId :  
TP-3-D2

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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: VY001914.D

Acq: 09 Mar 2020 17:31

Instrument :

MSVOA\_Y

ClientSampleId :

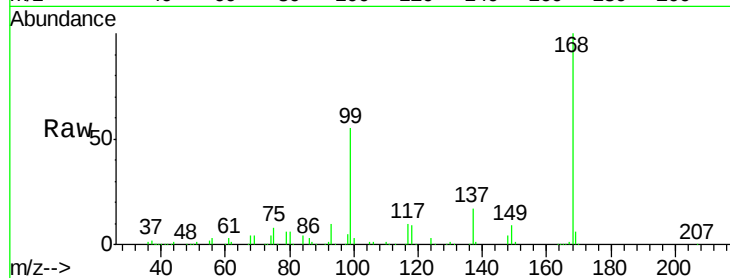
TP-3-D2

Tot Ion:168 Resp: 140671

Ion Ratio Lower Upper

168 100

99 55.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

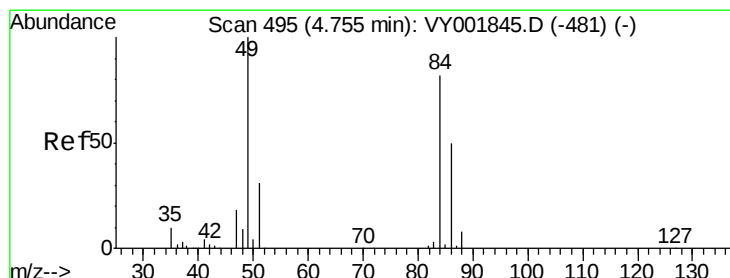
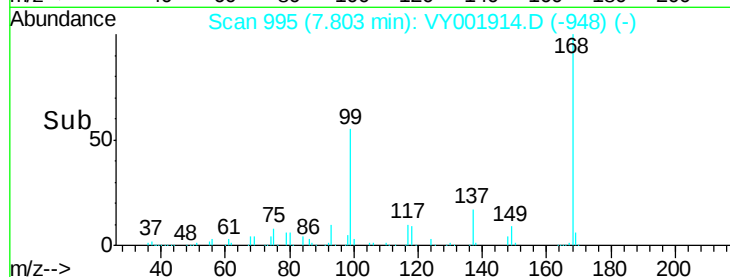
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 1.412 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001914.D

Acq: 09 Mar 2020 17:31

Tgt Ion: 84 Resp: 2647

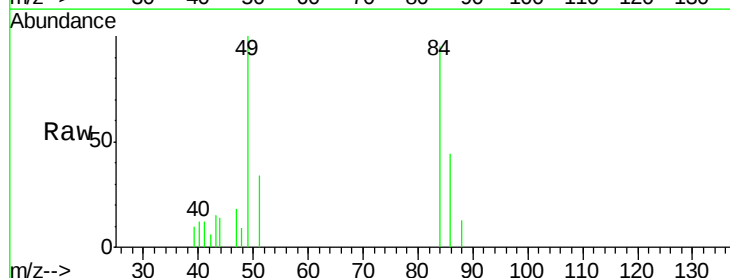
Ion Ratio Lower Upper

84 100

49 104.7 98.2 147.2

51 35.7 30.2 45.2

86 46.4 48.9 73.3#



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

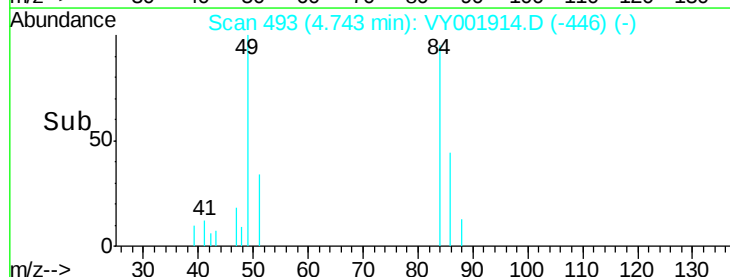
1500

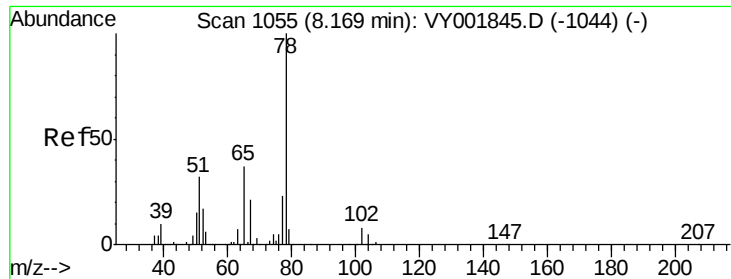
1000

500

0

Time-->

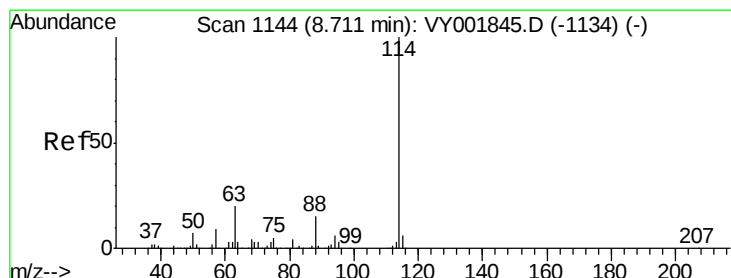
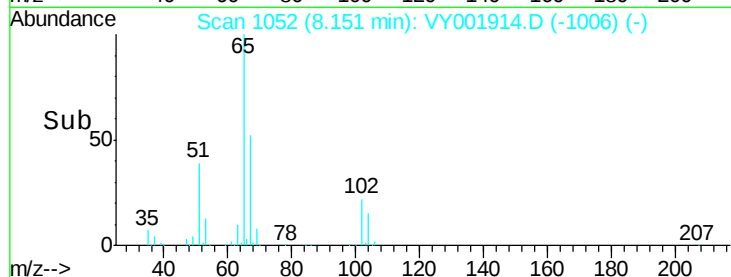
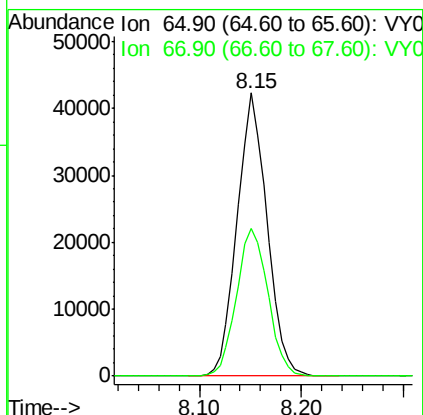
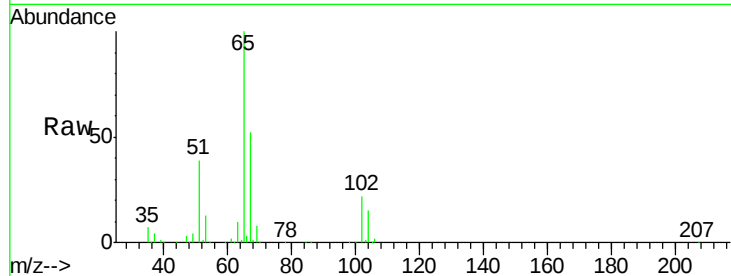




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.417 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. -0.02 min  
 Lab File: VY001914.D  
 Acq: 09 Mar 2020 17:31

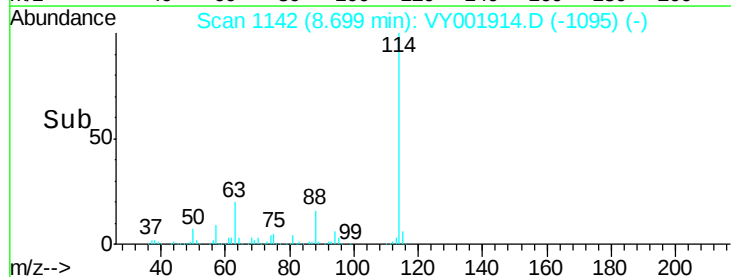
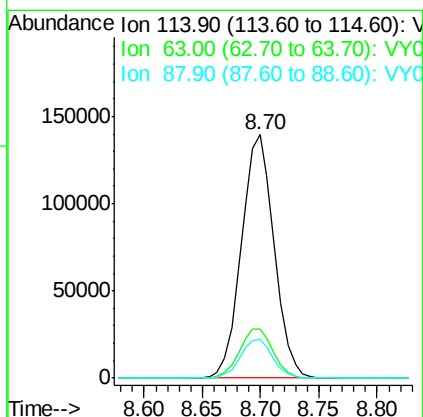
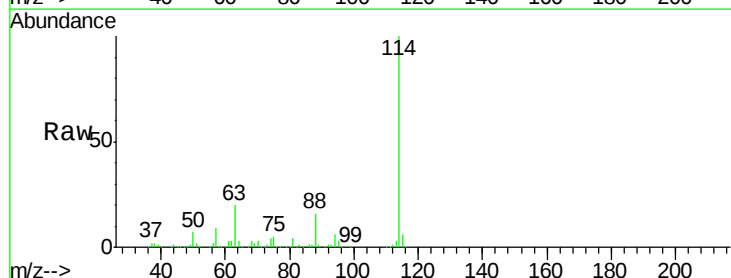
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3-D2

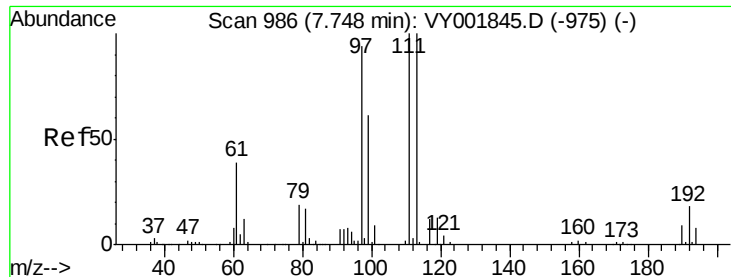
Tot Ion: 65 Resp: 86226  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 0.0 110.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY001914.D  
 Acq: 09 Mar 2020 17:31

Tgt Ion: 114 Resp: 271861  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 39.4  
 88 15.9 0.0 30.4

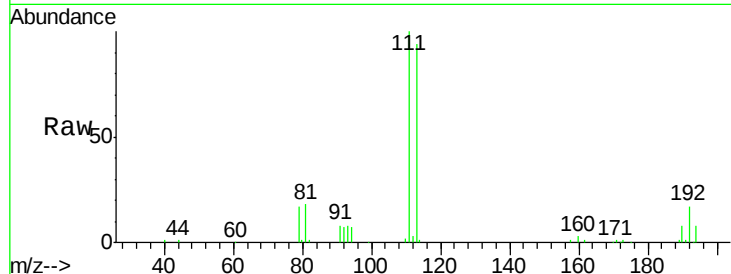




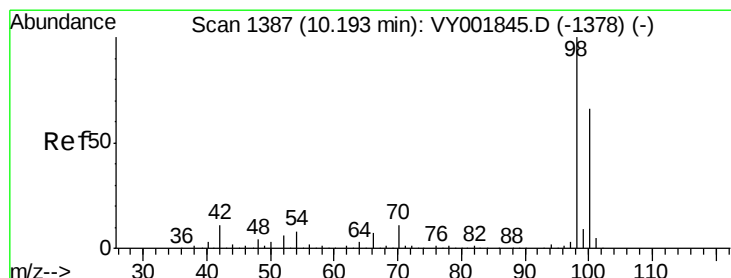
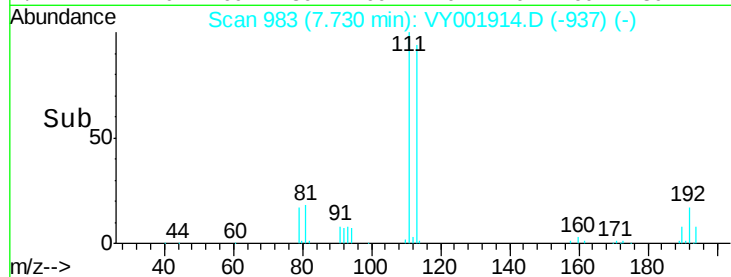
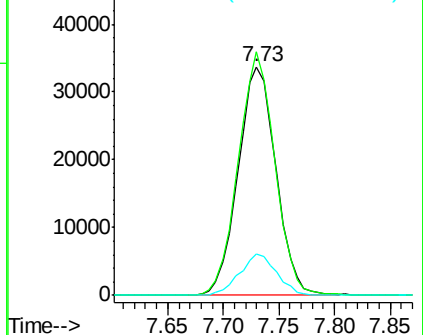
#35  
 Dibromofluoromethane  
 Concen: 53.647 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.02 min  
 Lab File: VY001914.D  
 Acq: 09 Mar 2020 17:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3-D2

Tot Ion:113 Resp: 79638  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 81.8 122.8  
 192 17.8 14.2 21.2

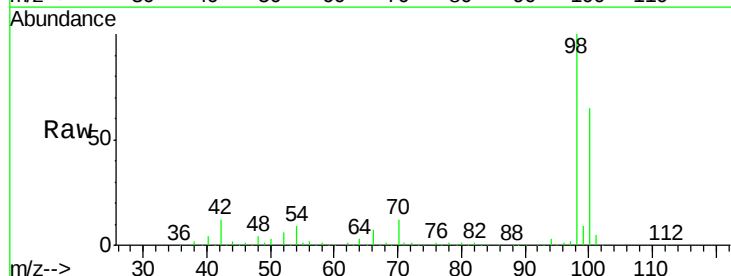


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

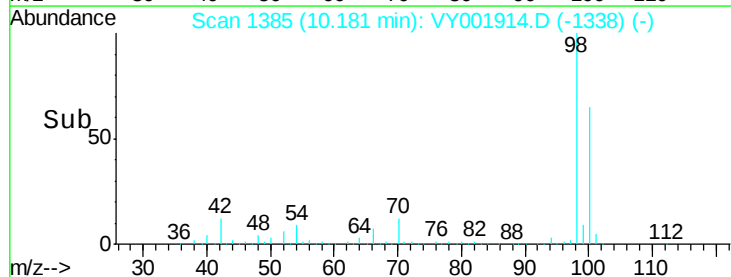
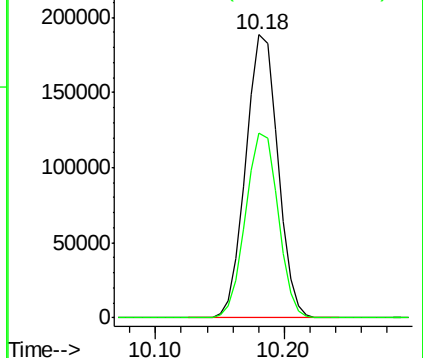


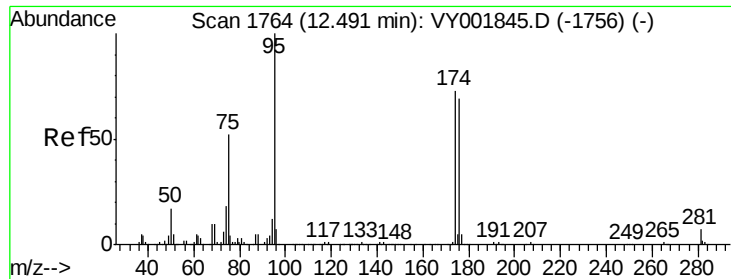
#50  
 Toluene-d8  
 Concen: 51.884 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. -0.01 min  
 Lab File: VY001914.D  
 Acq: 09 Mar 2020 17:31

Tgt Ion: 98 Resp: 324783  
 Ion Ratio Lower Upper  
 98 100  
 100 65.9 53.0 79.4



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

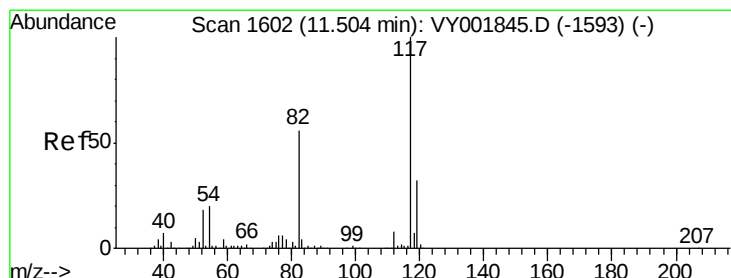
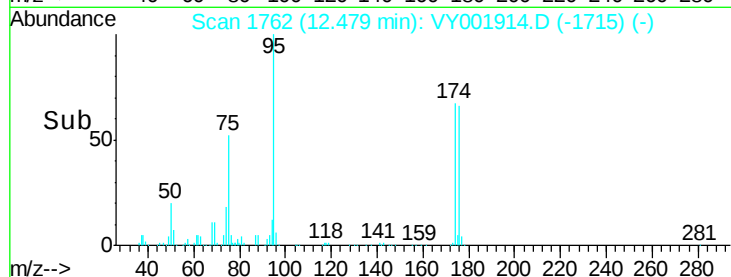
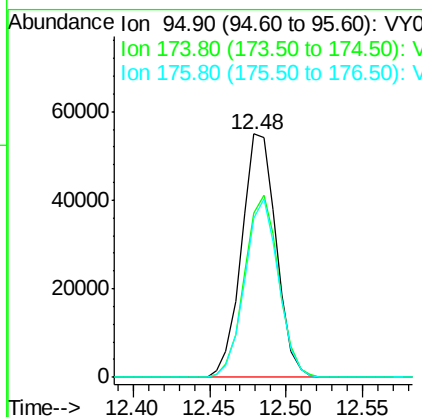
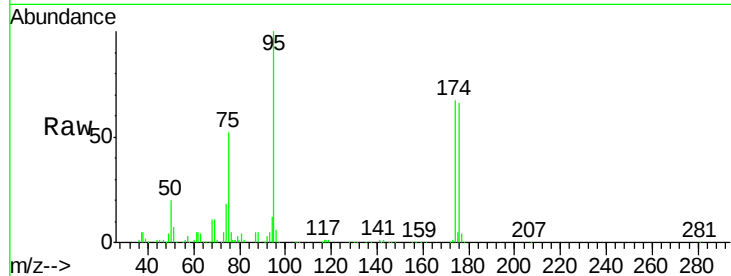




#62  
4-Bromofluorobenzene  
Concen: 39.618 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.01 min  
Lab File: VY001914.D  
Acq: 09 Mar 2020 17:31

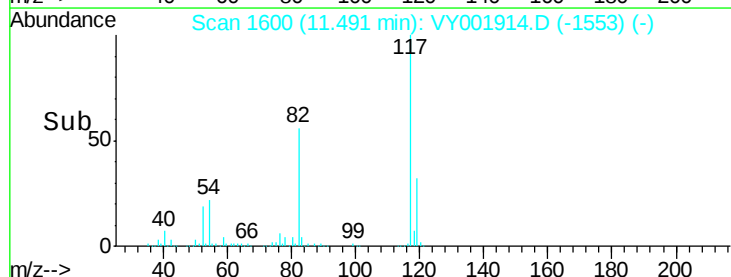
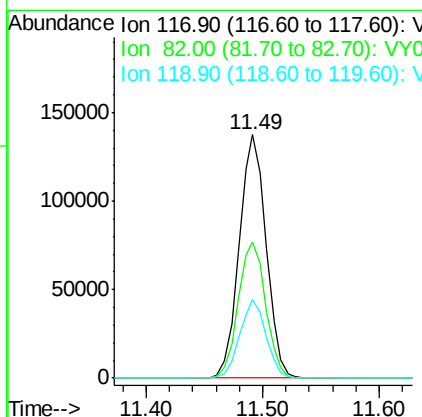
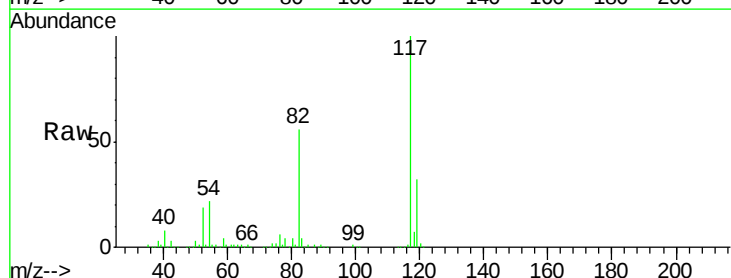
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3-D2

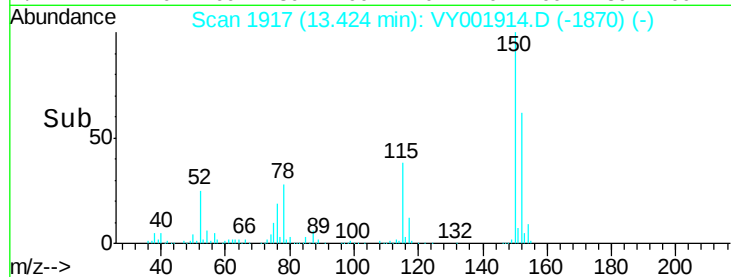
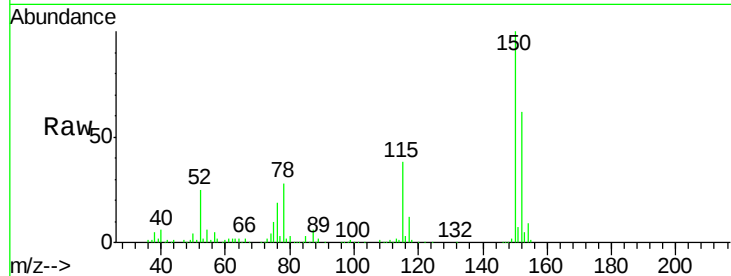
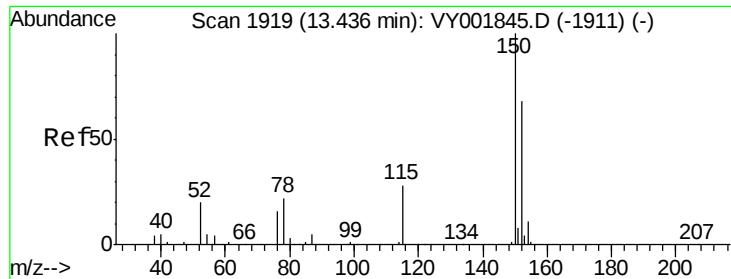
Tot Ion: 95 Resp: 86233  
Ion Ratio Lower Upper  
95 100  
174 74.0 0.0 145.0  
176 71.4 0.0 137.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY001914.D  
Acq: 09 Mar 2020 17:31

Tgt Ion: 117 Resp: 221429  
Ion Ratio Lower Upper  
117 100  
82 56.1 44.5 66.7  
119 32.0 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: VY001914.D

Acq: 09 Mar 2020 17:31

Instrument :

MSVOA\_Y

ClientSampleId :

TP-3-D2

Tot Ion:152 Resp: 73022

Ion Ratio Lower Upper

152 100

115 61.7 29.9 89.7

150 160.3 0.0 340.6

