

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\  
 Data File : VY003349.D  
 Acq On : 24 Jul 2020 22:02  
 Operator : SY/MD  
 Sample : L3436-17  
 Misc : 6.68G/5ML/MSVOA Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 17

Quant Time: Jul 25 06:43:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 13:18:03 2020  
 Response via : Initial Calibration

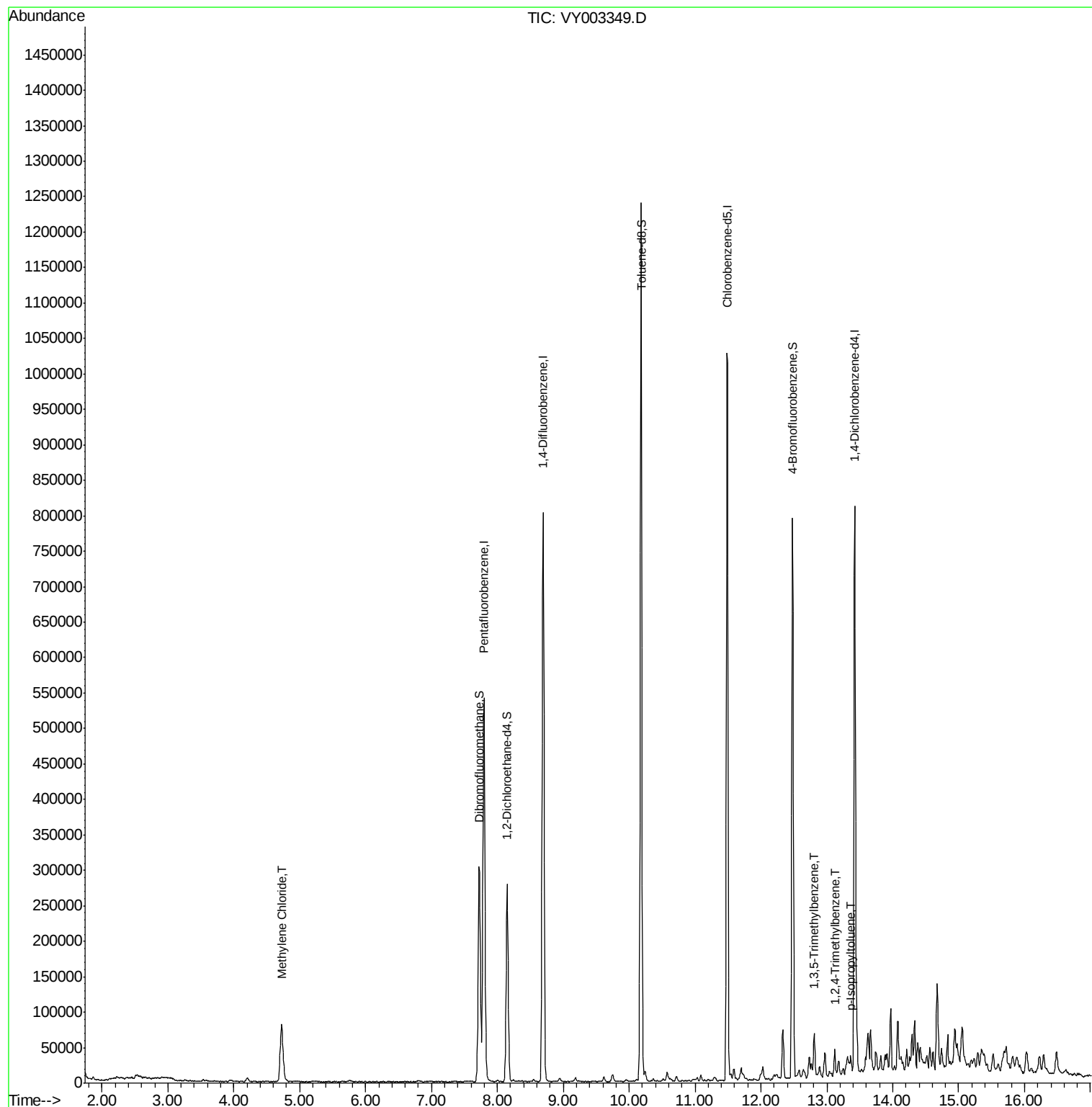
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 437268   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 685393   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 576751   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 210270   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 216318   | 58.61  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 117.22% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 213535   | 54.14  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.28% |          |
| 50) Toluene-d8              | 10.18 | 98   | 812897   | 55.43  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.86% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 222610   | 42.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.04%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.73  | 84   | 63132    | 10.926 | ug/l    | 96       |
| 80) 1,3,5-Trimethylbenzene  | 12.81 | 105  | 23405    | 2.096  | ug/l    | 96       |
| 84) 1,2,4-Trimethylbenzene  | 13.12 | 105  | 18205    | 1.620  | ug/l    | 91       |
| 86) p-Isopropyltoluene      | 13.37 | 119  | 13076    | 1.034  | ug/l    | 96       |

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

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MSVOA\_Y  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 10 13:18:03 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003349.D

Acq: 24 Jul 2020 22:02

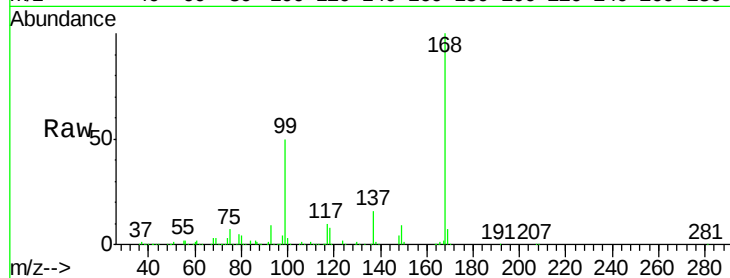
Instrument :  
MSVOA\_Y  
ClientSampled :  
17

Tot Ion:168 Resp: 437268

Ion Ratio Lower Upper

168 100

99 49.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003349.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003349.D (-945) (-)

7.80

200000

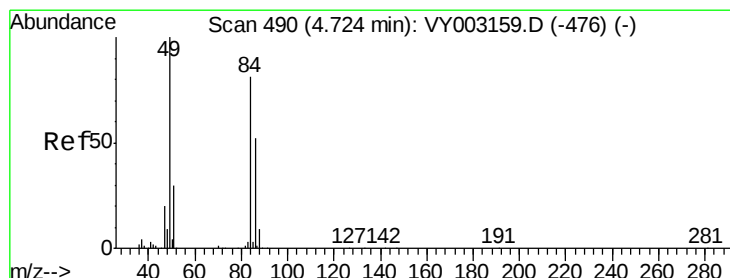
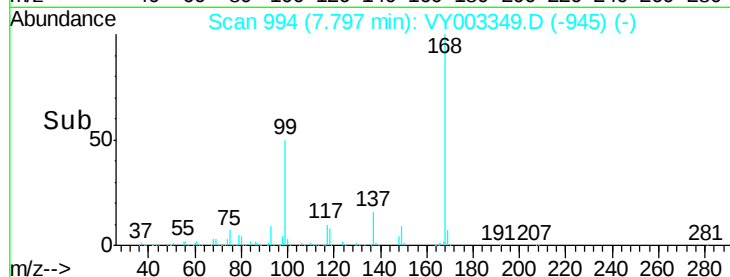
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 10.926 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003349.D

Acq: 24 Jul 2020 22:02

Tgt Ion: 84 Resp: 63132

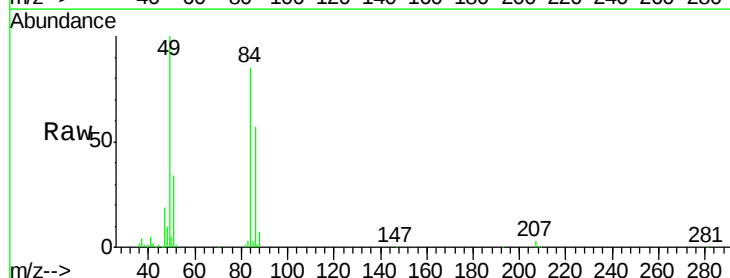
Ion Ratio Lower Upper

84 100

49 118.1 98.2 147.4

51 40.1 29.8 44.6

86 66.7 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VY003349.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY003349.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY003349.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY003349.D (-441) (-)

4.73

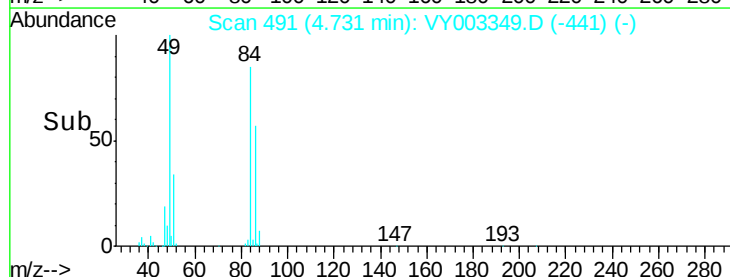
30000

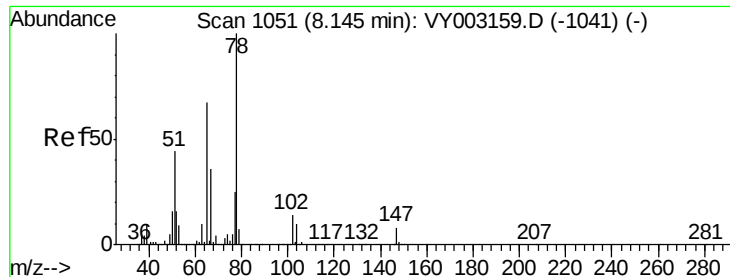
20000

10000

0

Time-->

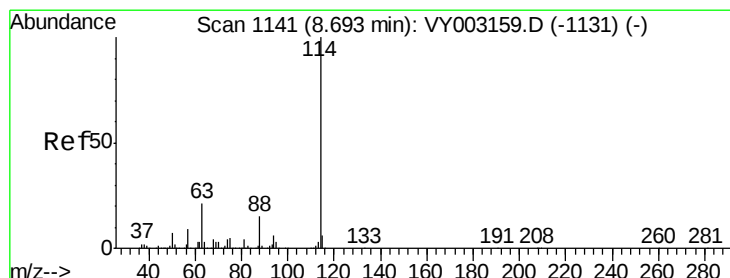
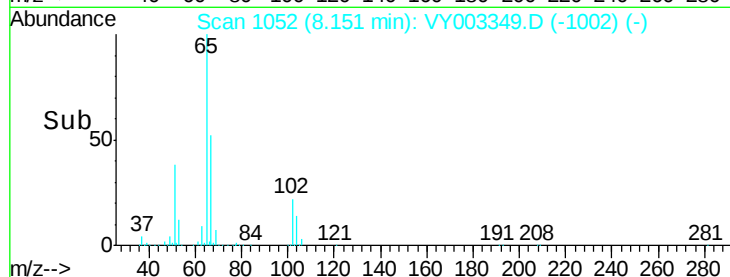
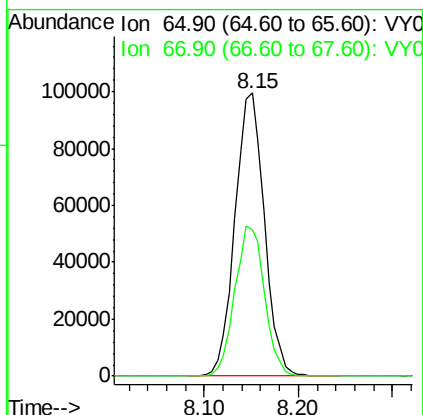
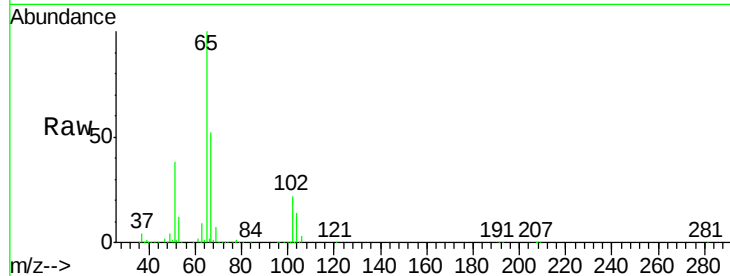




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.612 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.01 min  
 Lab File: VY003349.D  
 Acq: 24 Jul 2020 22:02

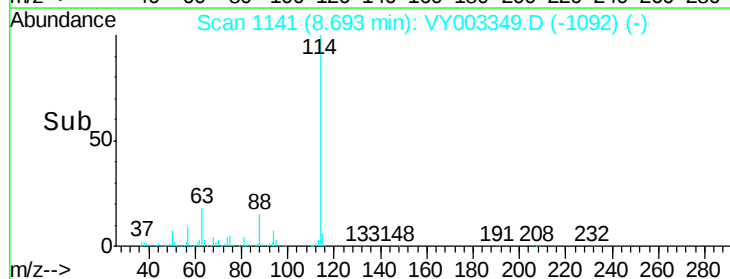
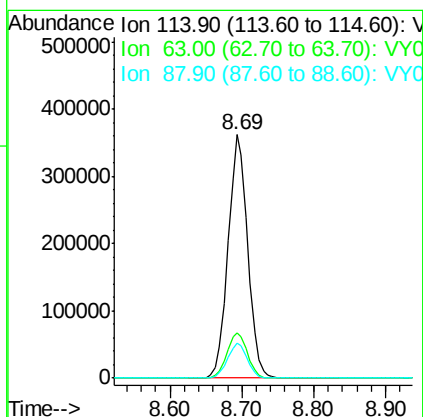
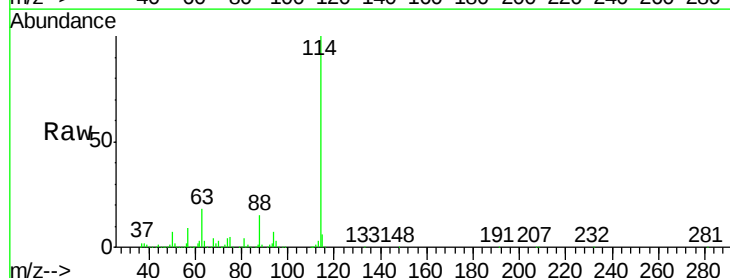
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 17

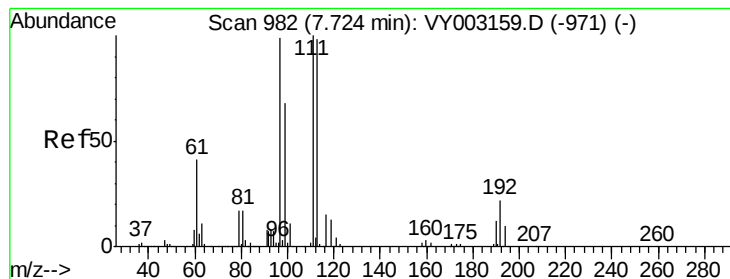
Tot Ion: 65 Resp: 216318  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY003349.D  
 Acq: 24 Jul 2020 22:02

Tgt Ion: 114 Resp: 685393  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 41.2  
 88 14.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 54.138 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003349.D

Acq: 24 Jul 2020 22:02

Instrument :

MSVOA\_Y

ClientSampleId :

17

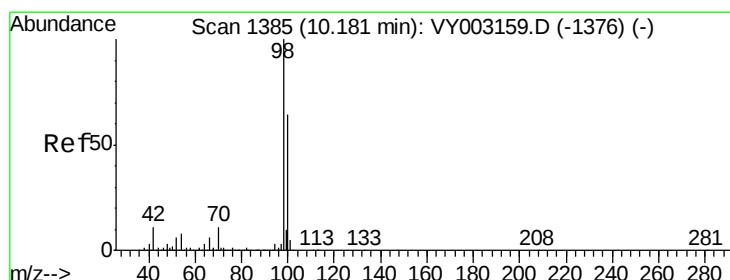
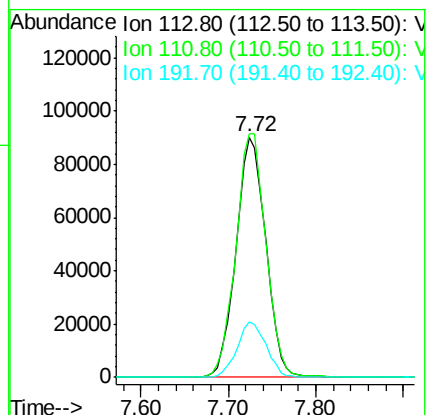
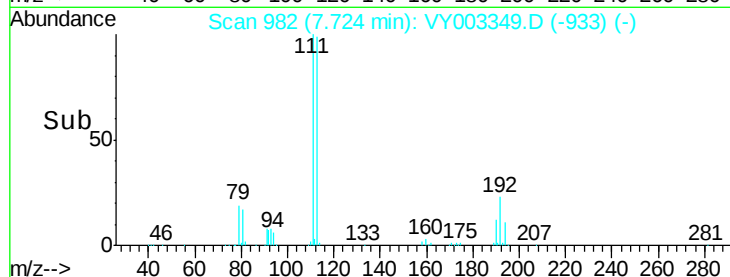
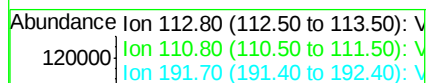
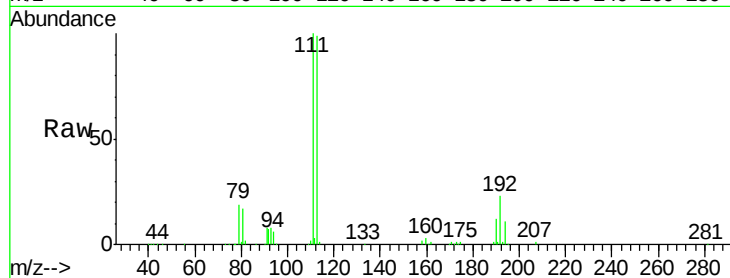
Tot Ion:113 Resp: 213535

Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

192 22.7 18.8 28.2



#50

Toluene-d8

Concen: 55.434 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003349.D

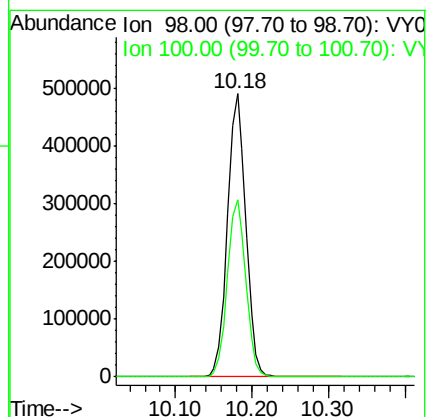
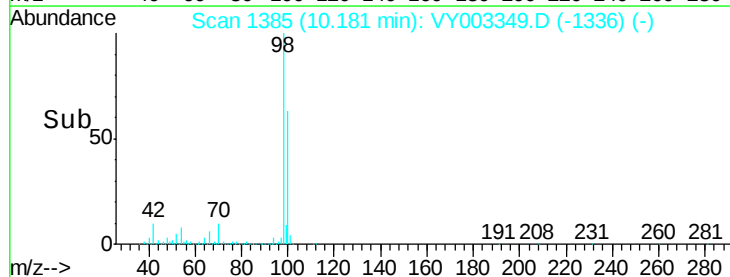
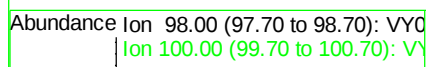
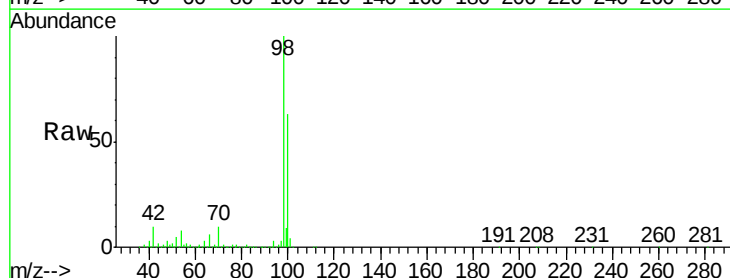
Acq: 24 Jul 2020 22:02

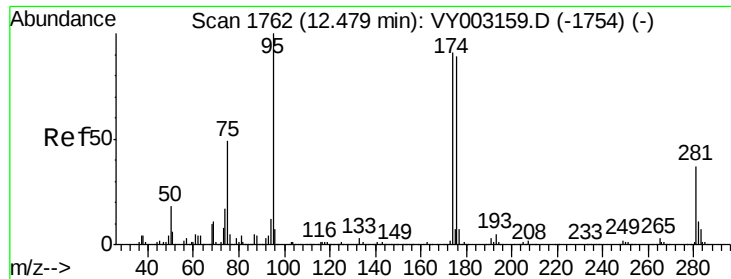
Tgt Ion: 98 Resp: 812897

Ion Ratio Lower Upper

98 100

100 62.9 50.7 76.1

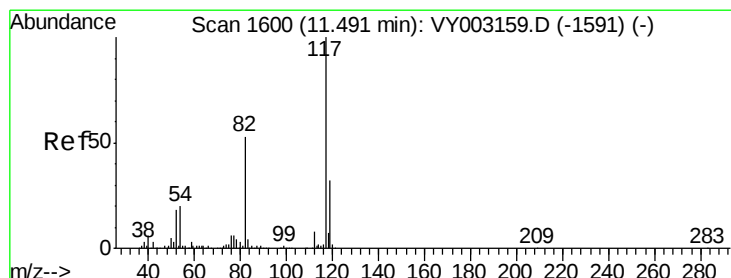
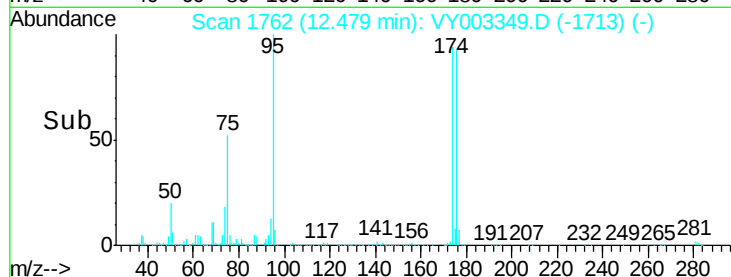
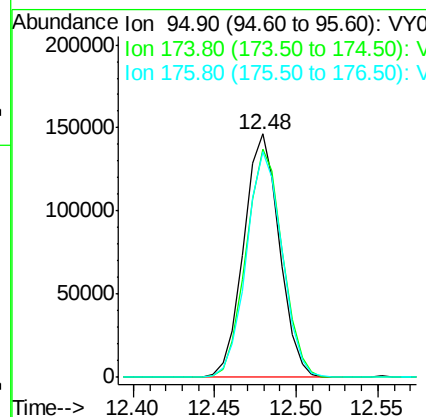
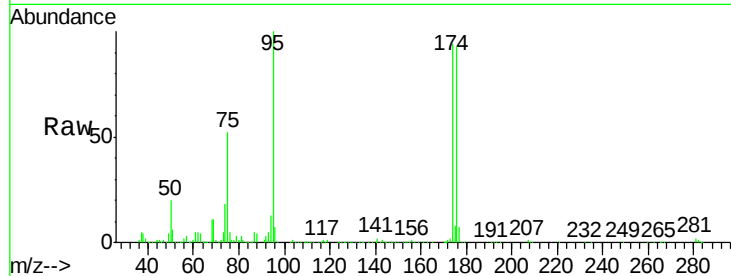




#62  
4-Bromofluorobenzene  
Concen: 42.021 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: VY003349.D  
Acq: 24 Jul 2020 22:02

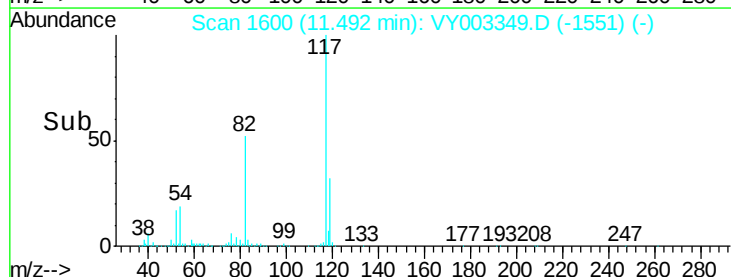
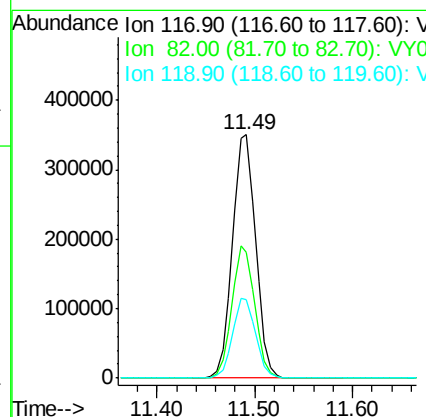
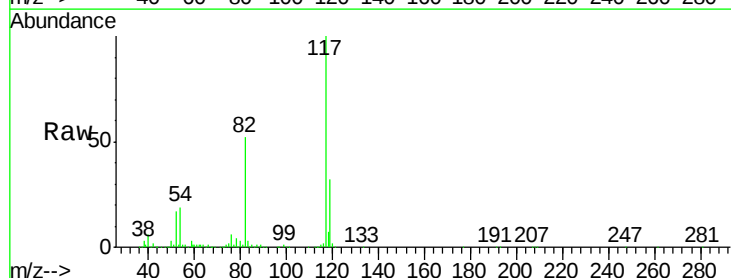
Instrument :  
MSVOA\_Y  
ClientSampleId :  
17

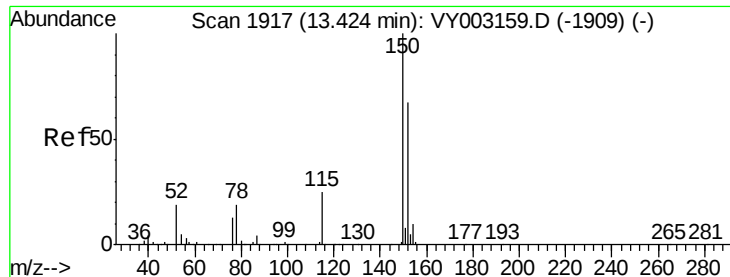
| Tot Ion   | 95    | Resp  | 222610 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 95.8  | 0.0   | 190.6  |
| 176       | 92.9  | 0.0   | 186.4  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY003349.D  
Acq: 24 Jul 2020 22:02

| Tgt Ion   | 117   | Resp  | 576751 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 51.8  | 42.0  | 63.0   |
| 119       | 32.0  | 25.5  | 38.3   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003349.D

Acq: 24 Jul 2020 22:02

Instrument :

MSVOA\_Y

ClientSampleId :

17

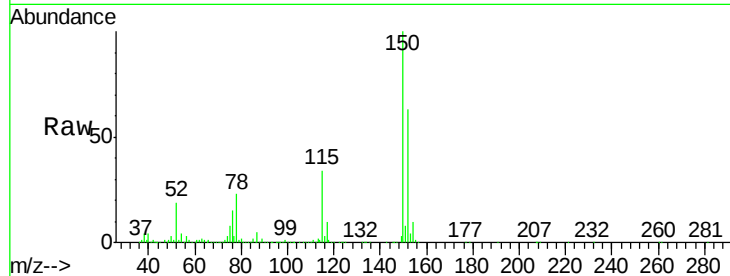
Tot Ion:152 Resp: 210270

Ion Ratio Lower Upper

152 100

115 54.9 26.9 80.7

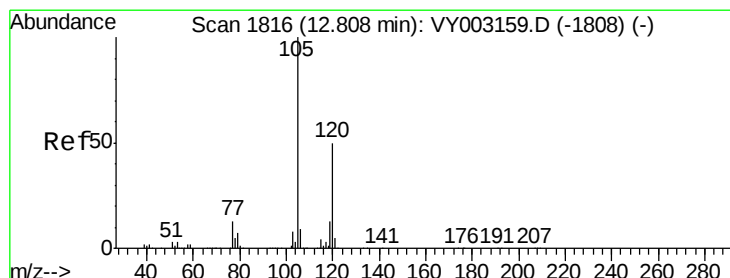
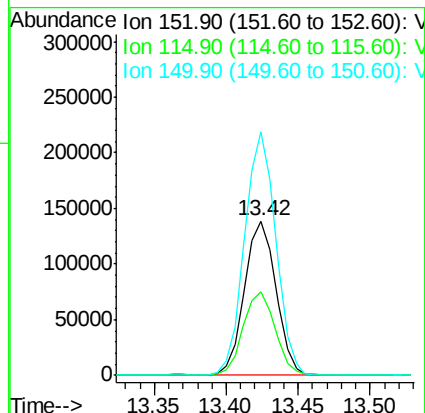
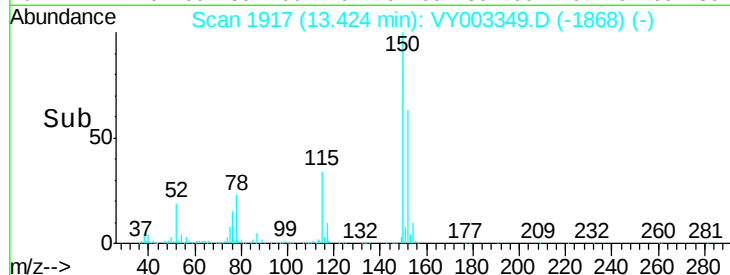
150 155.9 0.0 338.0



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



#80

1,3,5-Trimethylbenzene

Concen: 2.096 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003349.D

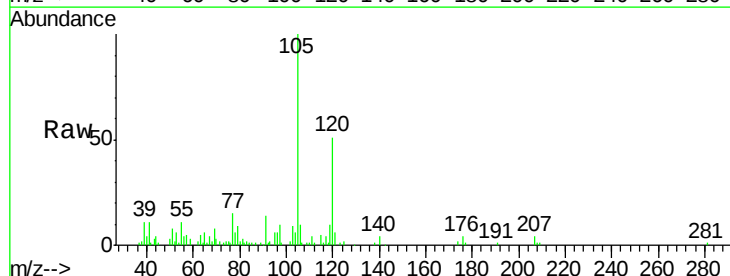
Acq: 24 Jul 2020 22:02

Tgt Ion:105 Resp: 23405

Ion Ratio Lower Upper

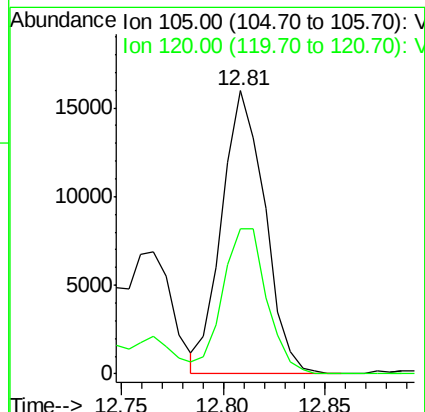
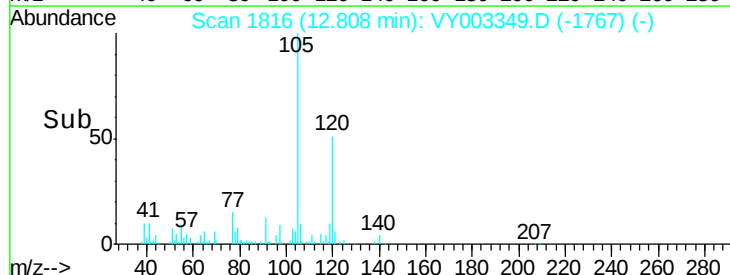
105 100

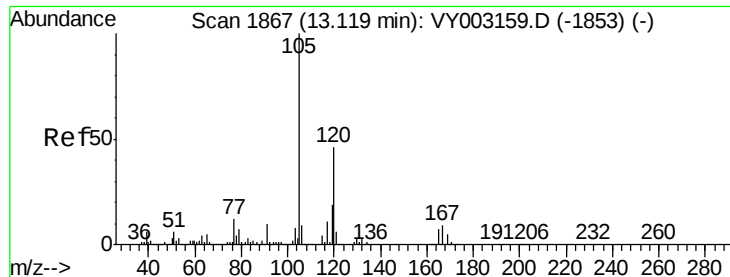
120 52.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

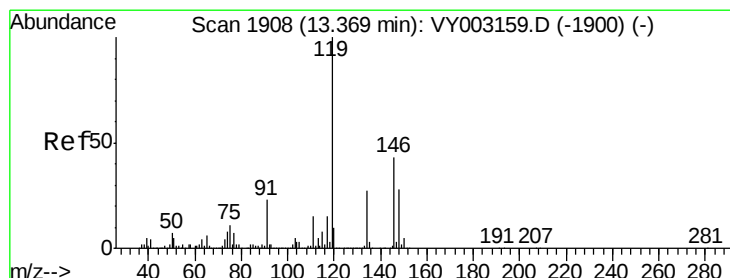
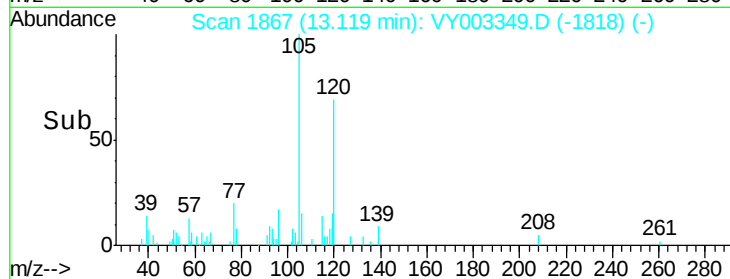
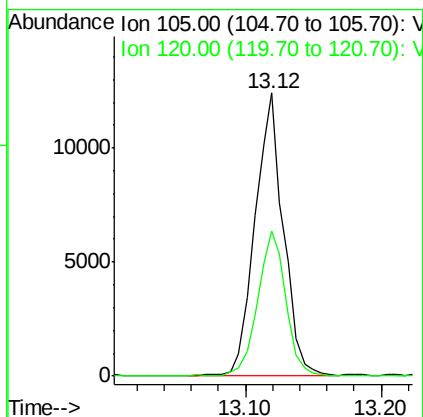
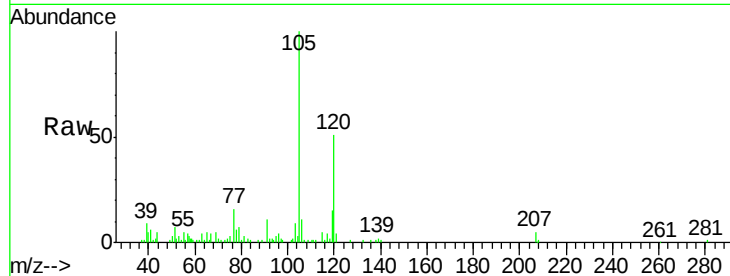




#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.620 ug/l  
 RT: 13.12 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VY003349.D  
 Acq: 24 Jul 2020 22:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 17

Tot Ion:105 Resp: 18205  
 Ion Ratio Lower Upper  
 105 100  
 120 50.6 22.5 67.5



#86  
 p-Isopropyltoluene  
 Concen: 1.034 ug/l  
 RT: 13.37 min Scan# 1908  
 Delta R.T. 0.00 min  
 Lab File: VY003349.D  
 Acq: 24 Jul 2020 22:02

Tgt Ion:119 Resp: 13076  
 Ion Ratio Lower Upper  
 119 100  
 134 27.6 13.4 40.2  
 91 26.1 11.2 33.6

