

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122624\  
 Data File : VY020720.D  
 Acq On : 26 Dec 2024 16:28  
 Operator : SY/MD  
 Sample : P5316-02  
 Misc : 6.20g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TT-304-IDWSO-20241217-2

Quant Time: Dec 27 00:34:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122624S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 26 16:12:28 2024  
 Response via : Initial Calibration

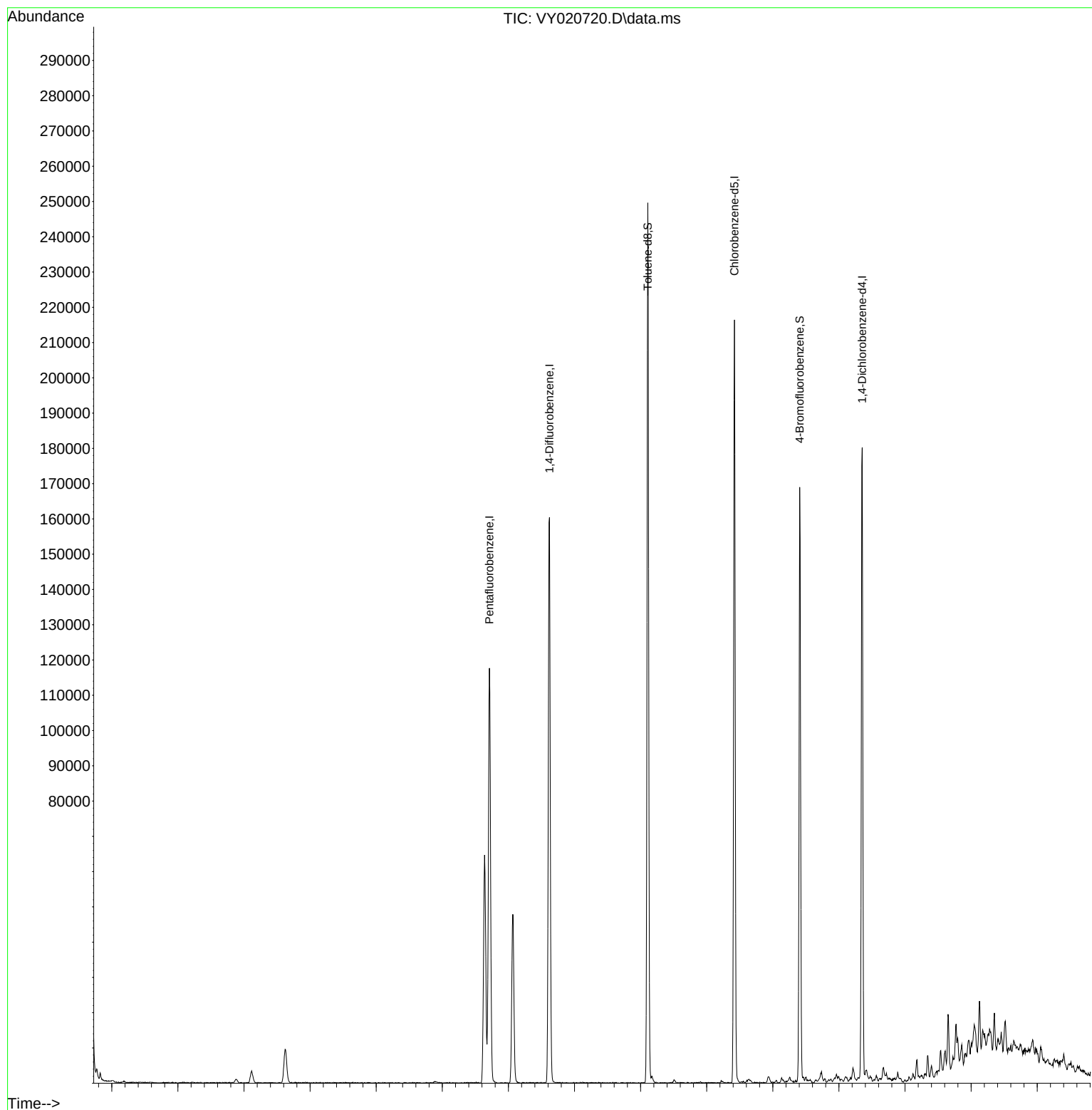
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 90592    | 50.000   | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene     | 8.621  | 114   | 140817   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 117470   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.352 | 152   | 47280    | 50.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 43539    | 58.675   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 117.360% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 43269    | 55.785   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 111.560% |
| 50) Toluene-d8              | 10.109 | 98    | 161876   | 52.396   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 104.800% |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 49426    | 47.949   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =      | 95.900%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 16) Acetone                 | 3.878  | 43    | 1984     | 21.076   | ug/l # | 83       |
| 17) Carbon Disulfide        | 4.116  | 76    | 6974     | 4.592    | ug/l # | 94       |
| 20) Methylene Chloride      | 4.622  | 84    | 8099     | 13.229   | ug/l # | 80       |
| -----                       |        |       |          |          |        |          |

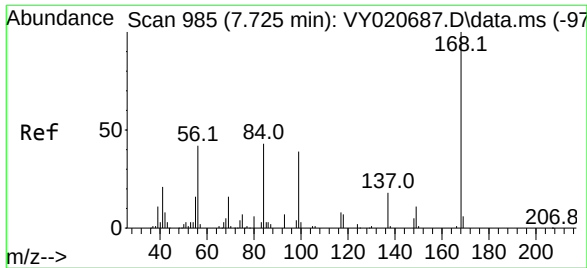
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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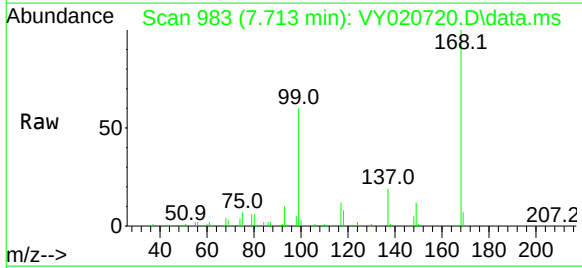
Quant Time: Dec 27 00:34:02 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122624S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 26 16:12:28 2024  
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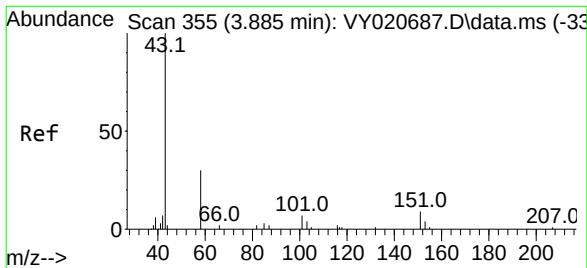
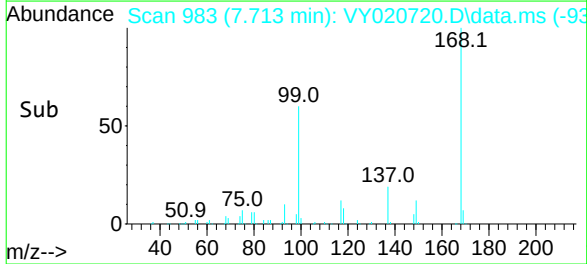
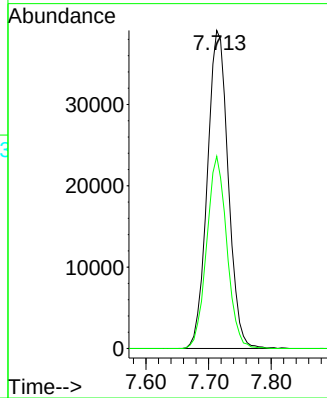


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 98  
Delta R.T. -0.012 min  
Lab File: VY020720.D  
Acq: 26 Dec 2024 16:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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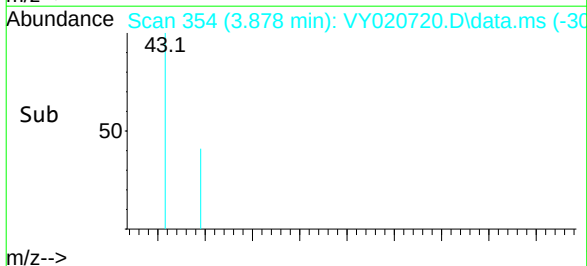
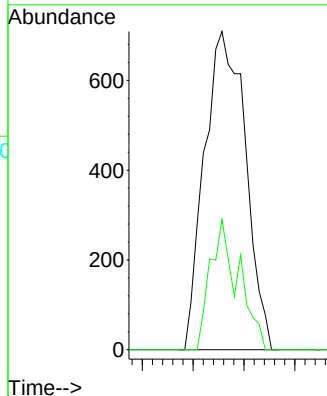
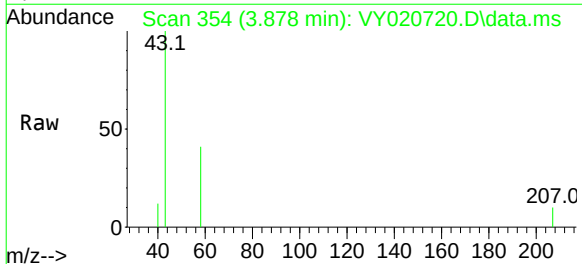


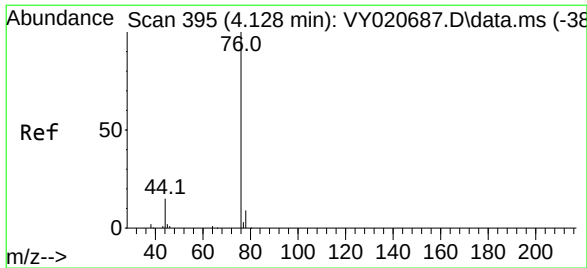
Tgt Ion: 168 Resp: 90592  
Ion Ratio Lower Upper  
168 100  
99 60.4 43.8 65.6



#16  
Acetone  
Concen: 21.076 ug/l  
RT: 3.878 min Scan# 354  
Delta R.T. -0.007 min  
Lab File: VY020720.D  
Acq: 26 Dec 2024 16:28

Tgt Ion: 43 Resp: 1984  
Ion Ratio Lower Upper  
43 100  
58 40.9 25.0 37.6#





#17

Carbon Disulfide

Concen: 4.592 ug/l

RT: 4.116 min Scan# 39

Delta R.T. -0.012 min

Lab File: VY020720.D

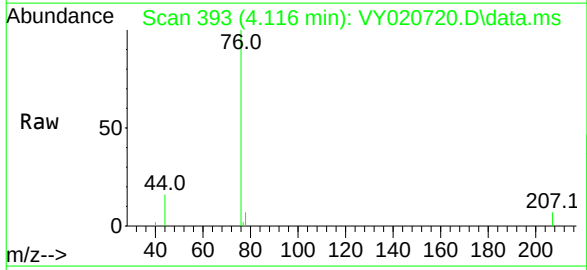
Acq: 26 Dec 2024 16:28

Instrument :

MSVOA\_Y

ClientSampleId :

TT-304-IDWSO-20241217-2

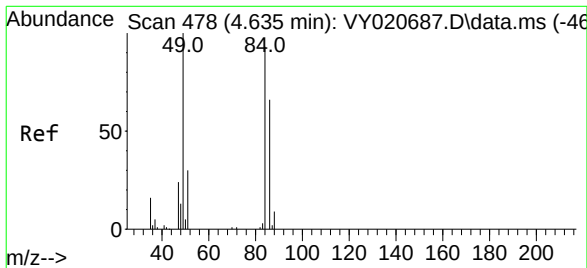
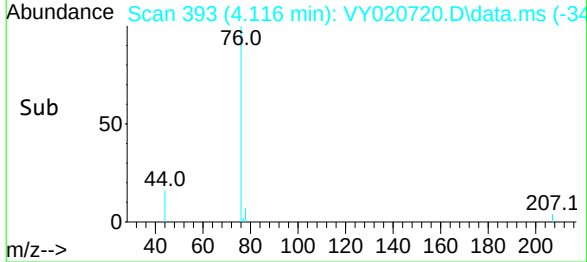
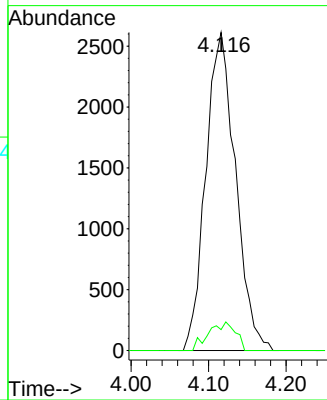


Tgt Ion: 76 Resp: 6974

Ion Ratio Lower Upper

76 100

78 6.6 6.9 10.3#



#20

Methylene Chloride

Concen: 13.229 ug/l

RT: 4.622 min Scan# 476

Delta R.T. -0.013 min

Lab File: VY020720.D

Acq: 26 Dec 2024 16:28

Tgt Ion: 84 Resp: 8099

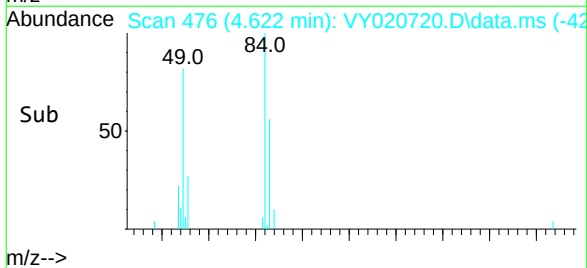
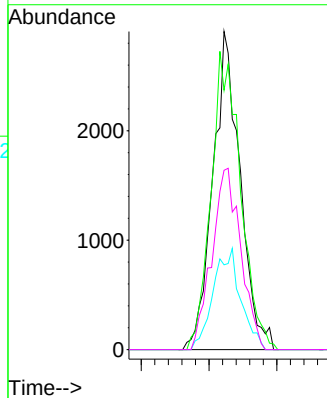
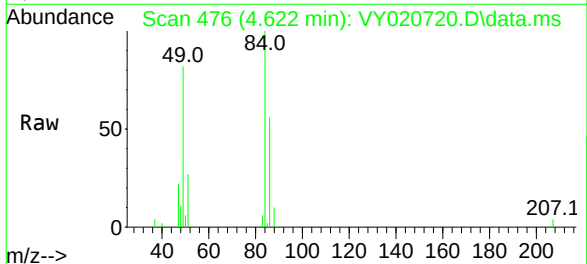
Ion Ratio Lower Upper

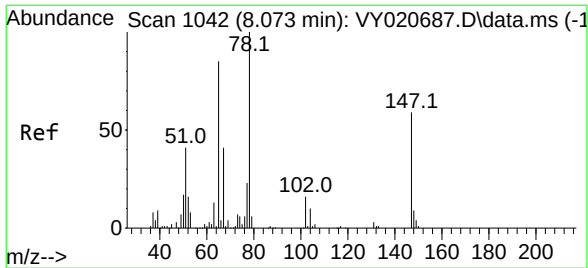
84 100

49 81.5 86.4 129.6#

51 26.7 25.5 38.3

86 56.4 56.6 85.0#

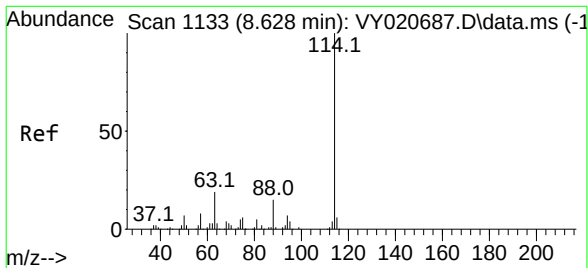
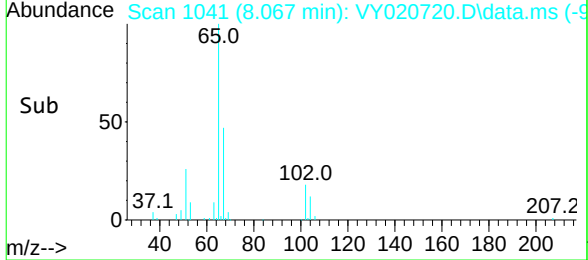
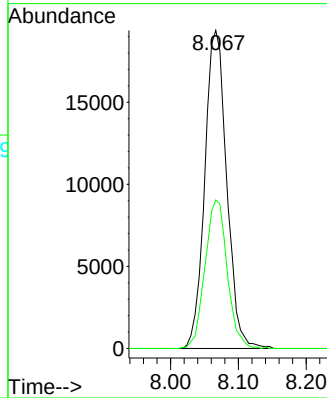
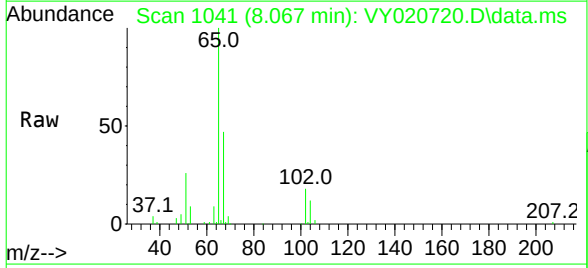




#33  
1,2-Dichloroethane-d4  
Concen: 58.675 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.006 min  
Lab File: VY020720.D  
Acq: 26 Dec 2024 16:28

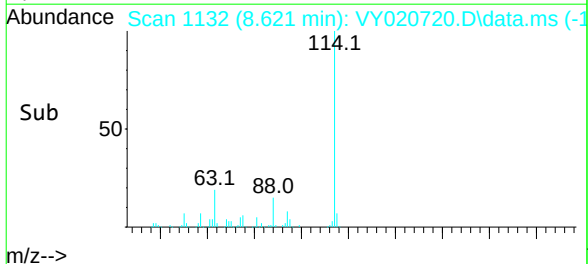
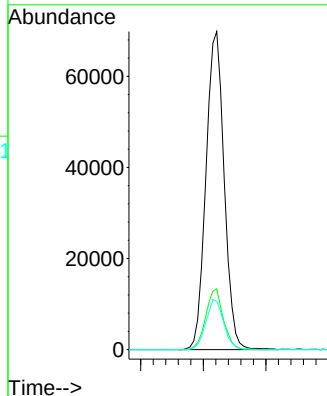
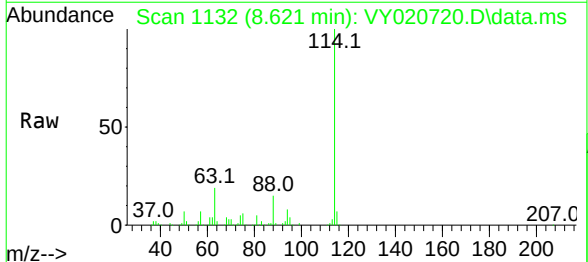
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TT-304-IDWSO-20241217-2

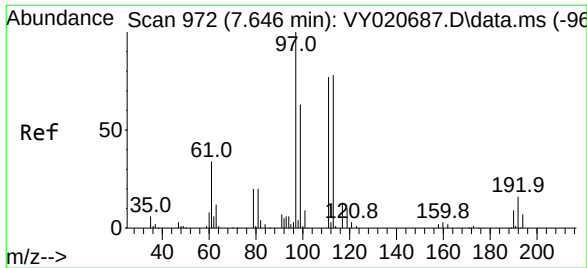
Tgt Ion: 65 Resp: 43539  
Ion Ratio Lower Upper  
65 100  
67 47.3 0.0 98.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.621 min Scan# 1132  
Delta R.T. -0.007 min  
Lab File: VY020720.D  
Acq: 26 Dec 2024 16:28

Tgt Ion: 114 Resp: 140817  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 38.4  
88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 55.785 ug/l

RT: 7.640 min Scan# 97

Delta R.T. -0.006 min

Lab File: VY020720.D

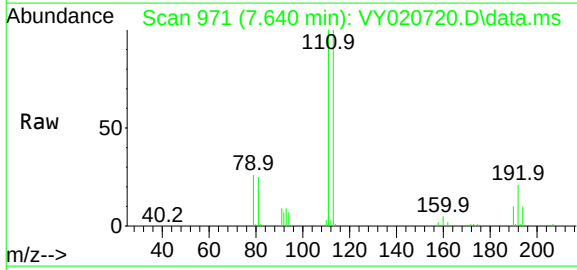
Acq: 26 Dec 2024 16:28

Instrument :

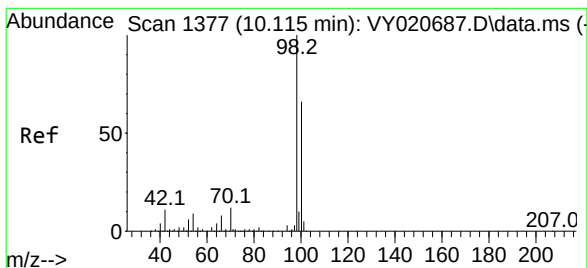
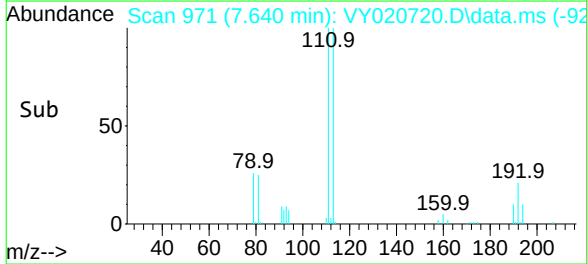
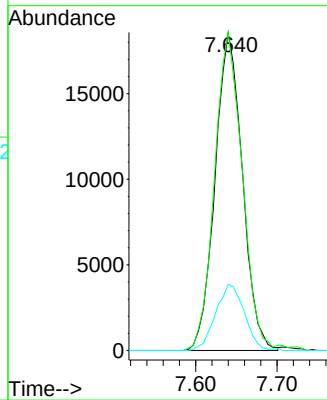
MSVOA\_Y

ClientSampleId :

TT-304-IDWSO-20241217-2



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 43269 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.0 | 79.8  | 119.8 |
| 192      | 21.9  | 17.0  | 25.6  |



#50

Toluene-d8

Concen: 52.396 ug/l

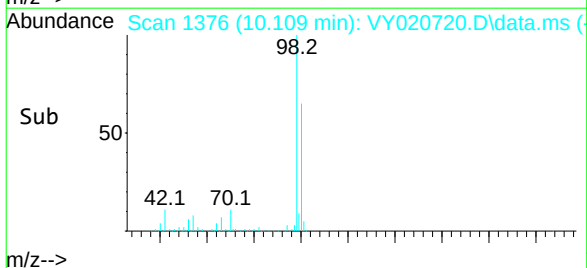
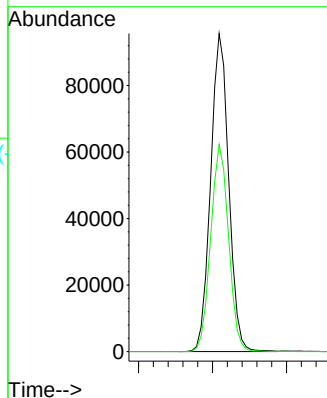
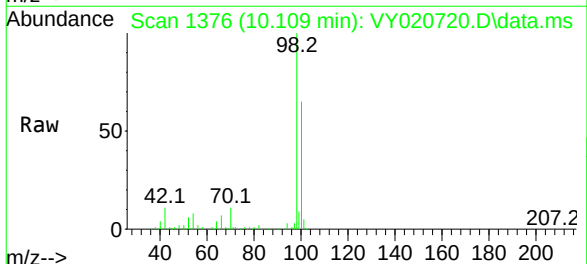
RT: 10.109 min Scan# 1376

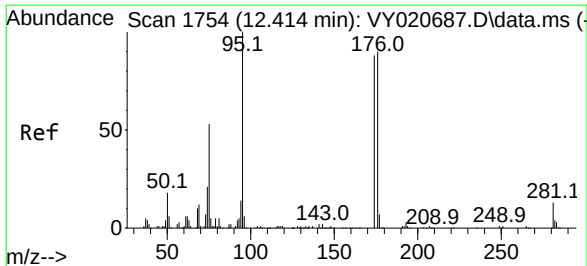
Delta R.T. -0.006 min

Lab File: VY020720.D

Acq: 26 Dec 2024 16:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 161876 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.5  | 52.2  | 78.4   |





#62

4-Bromofluorobenzene

Concen: 47.949 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.007 min

Lab File: VY020720.D

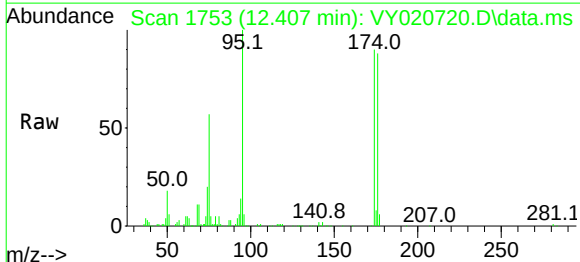
Acq: 26 Dec 2024 16:28

Instrument :

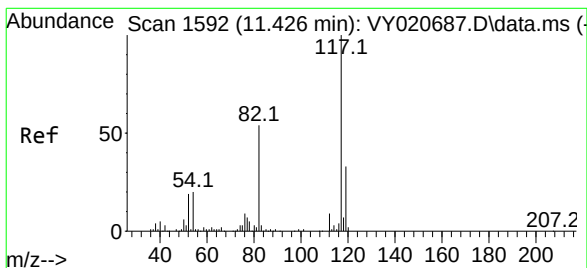
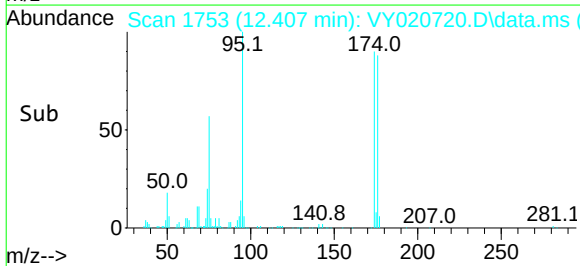
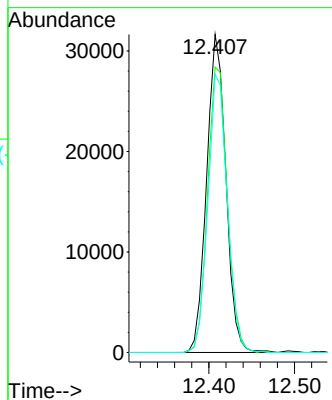
MSVOA\_Y

ClientSampleId :

TT-304-IDWSO-20241217-2



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 49426 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 92.3  | 0.0   | 179.2 |
| 176      | 88.4  | 0.0   | 179.8 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

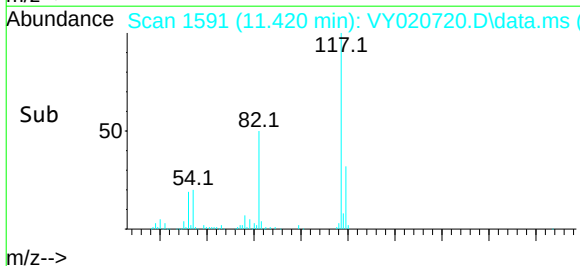
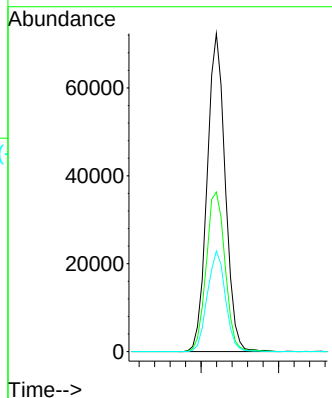
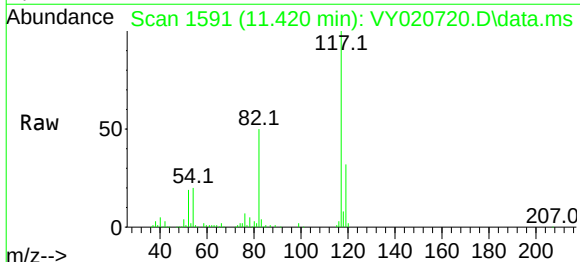
RT: 11.420 min Scan# 1591

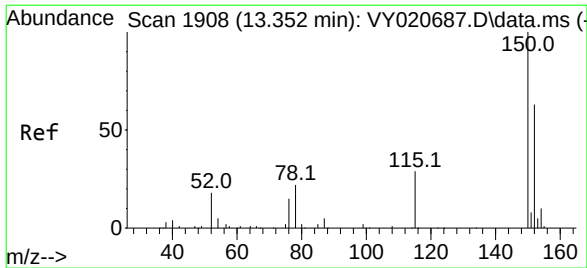
Delta R.T. -0.006 min

Lab File: VY020720.D

Acq: 26 Dec 2024 16:28

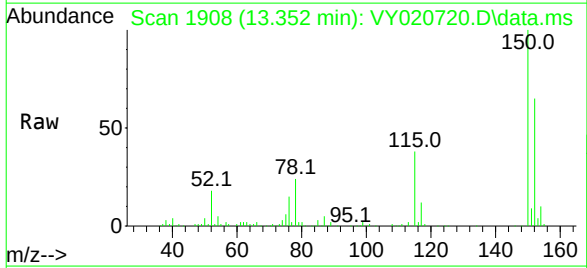
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 117470 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.2  | 43.4  | 65.2   |
| 119      | 31.6  | 26.6  | 39.8   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.352 min Scan# 19  
 Delta R.T. 0.000 min  
 Lab File: VY020720.D  
 Acq: 26 Dec 2024 16:28

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TT-304-IDWSO-20241217-2



Tgt Ion:152 Resp: 47280  
 Ion Ratio Lower Upper  
 152 100  
 115 58.8 30.3 90.9  
 150 157.4 0.0 349.0

