

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121924\  
 Data File : VY020652.D  
 Acq On : 19 Dec 2024 14:02  
 Operator : SY/MD  
 Sample : P5306-01  
 Misc : 5.81g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-VSL-07-121224

Quant Time: Dec 20 00:49:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

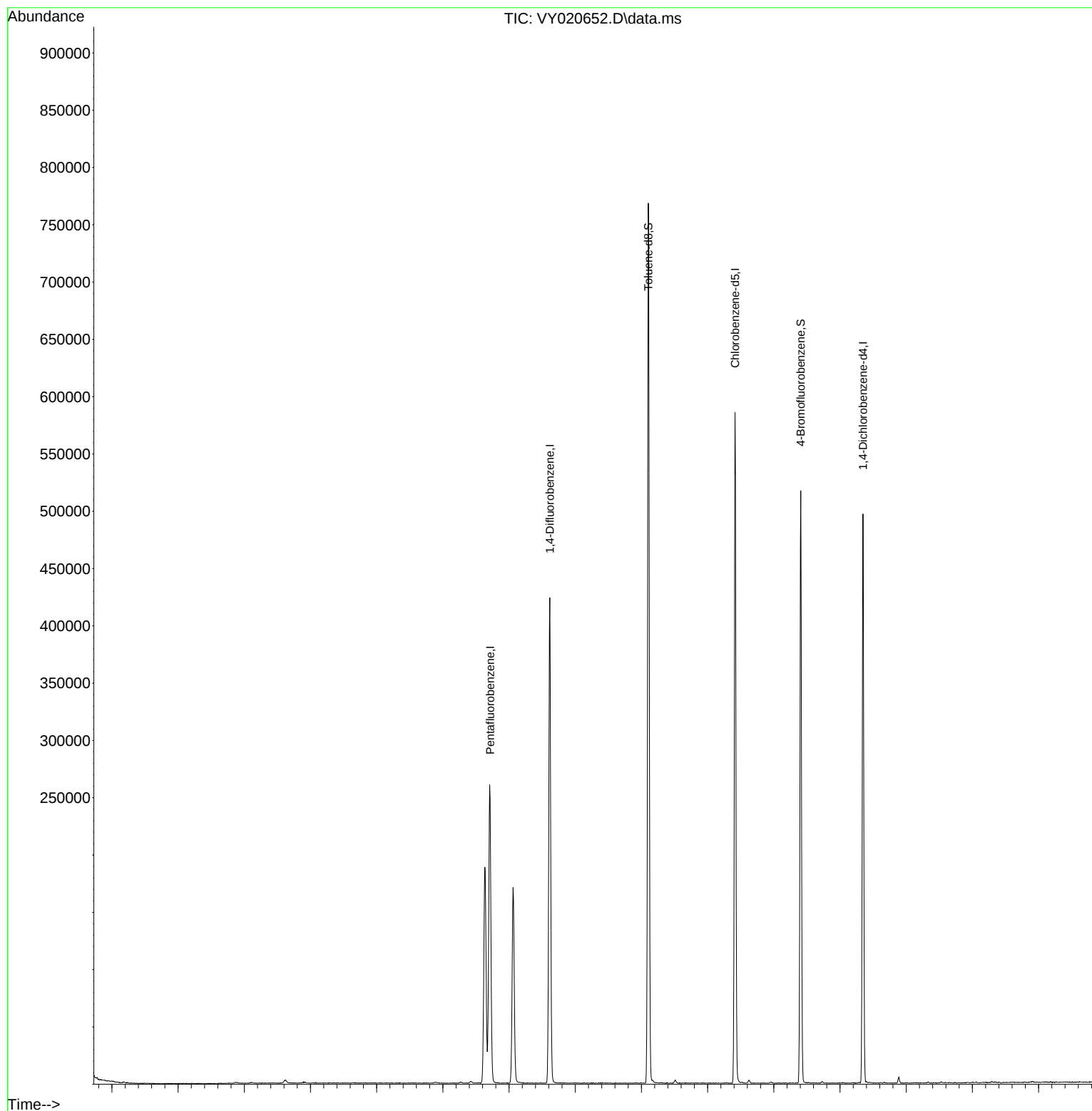
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.713  | 168   | 200454   | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 353691   | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 303802   | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 124037   | 50.000   | ug/l  | 0.00        |
|                             |        |       |          |          |       |             |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 137094   | 62.446   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 124.900%    |
| 35) Dibromofluoromethane    | 7.634  | 113   | 138350   | 55.502   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 111.000%    |
| 50) Toluene-d8              | 10.103 | 98    | 502199   | 57.559   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 115.120%    |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 163291   | 47.845   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 95.680%     |
|                             |        |       |          |          |       |             |
| Target Compounds            |        |       |          |          |       |             |
| 29) Tetrahydrofuran         | 7.274  | 42    | 641      | 1.245    | ug/l  | Qvalue # 85 |
| -----                       |        |       |          |          |       |             |

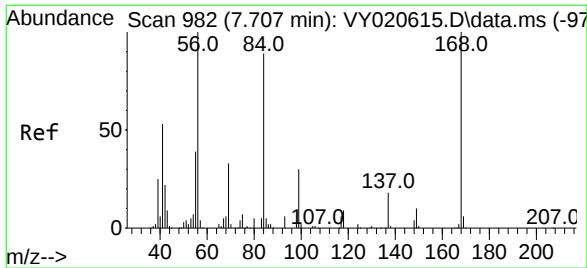
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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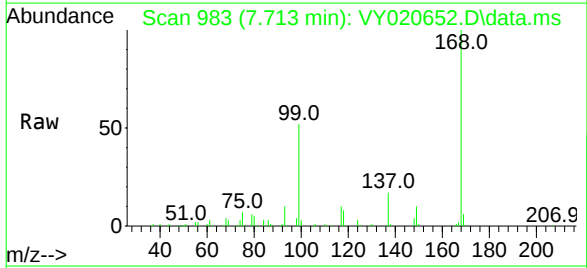
Quant Time: Dec 20 00:49:19 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 18 05:27:13 2024  
Response via : Initial Calibration



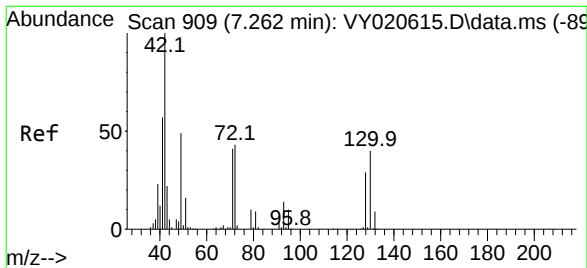
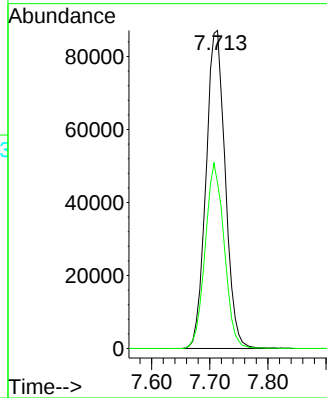
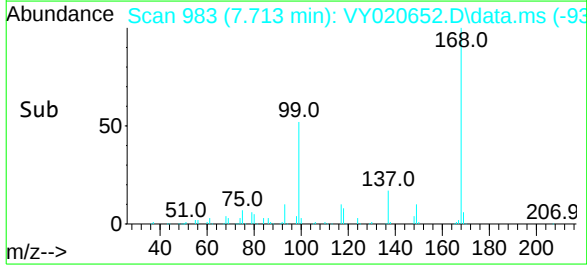


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VY020652.D  
Acq: 19 Dec 2024 14:02

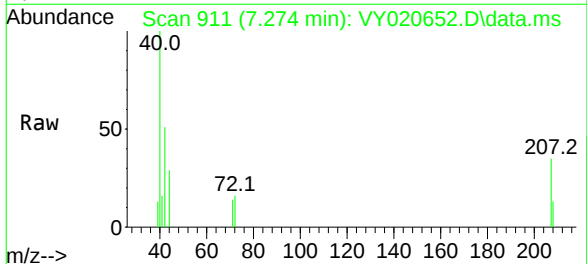
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-VSL-07-121224



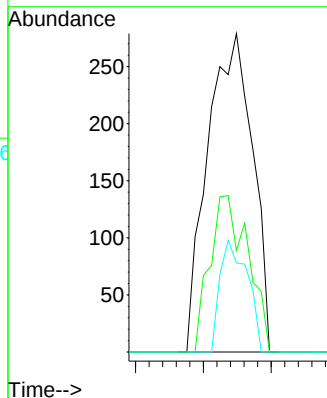
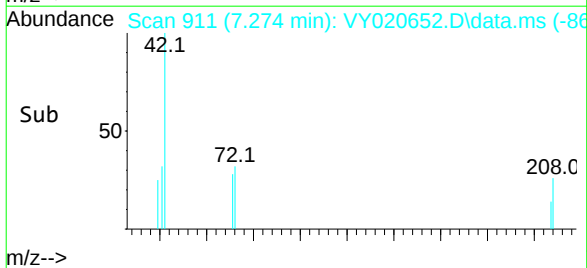
Tgt Ion:168 Resp: 200454  
Ion Ratio Lower Upper  
168 100  
99 52.0 47.0 70.6

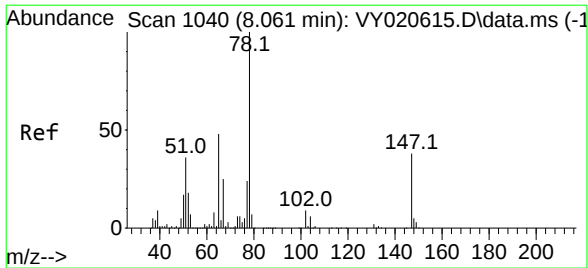


#29  
Tetrahydrofuran  
Concen: 1.245 ug/l  
RT: 7.274 min Scan# 911  
Delta R.T. 0.012 min  
Lab File: VY020652.D  
Acq: 19 Dec 2024 14:02



Tgt Ion: 42 Resp: 641  
Ion Ratio Lower Upper  
42 100  
72 41.8 34.0 51.0  
71 21.4 31.6 47.4#

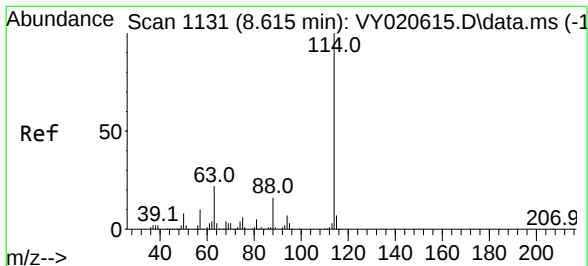
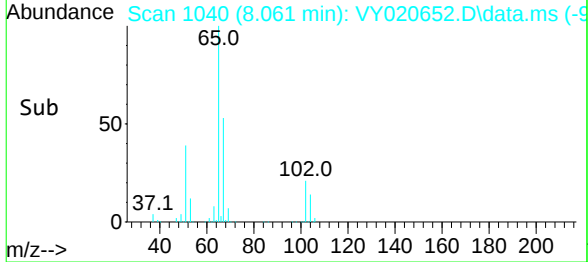
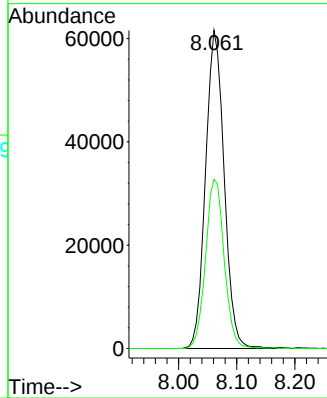
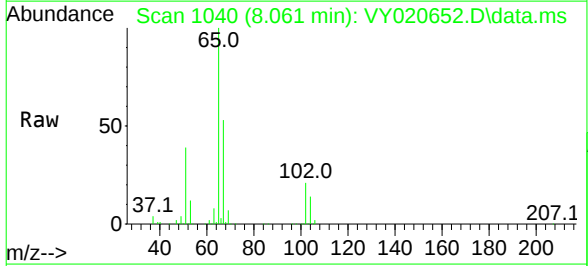




#33  
1,2-Dichloroethane-d4  
Concen: 62.446 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020652.D  
Acq: 19 Dec 2024 14:02

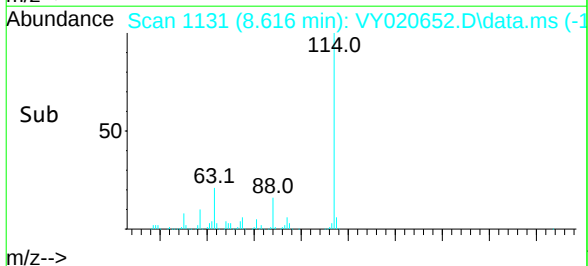
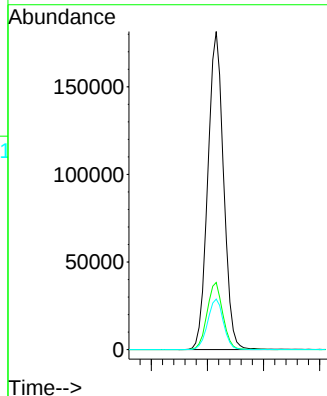
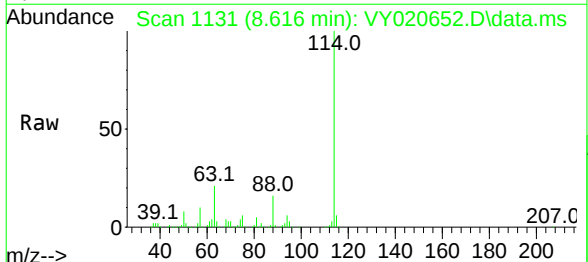
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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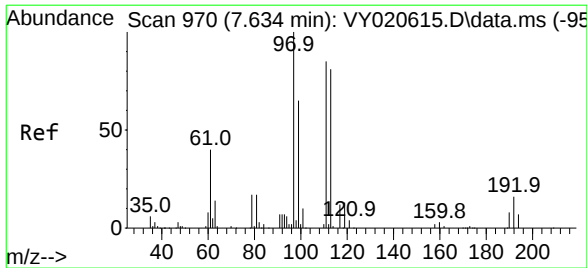
Tgt Ion: 65 Resp: 137094  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 108.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY020652.D  
Acq: 19 Dec 2024 14:02

Tgt Ion: 114 Resp: 353691  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 44.0  
88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 55.502 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020652.D

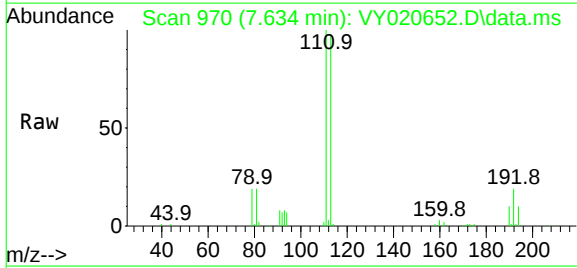
Acq: 19 Dec 2024 14:02

Instrument :

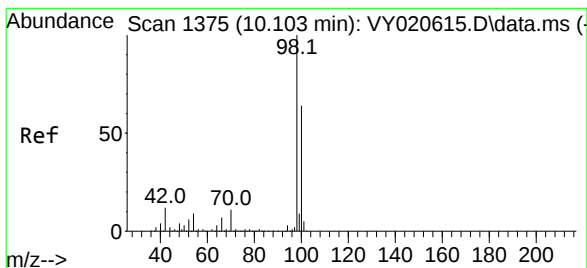
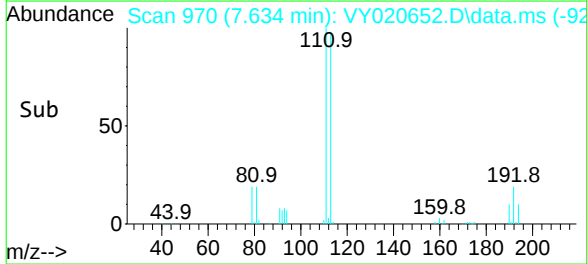
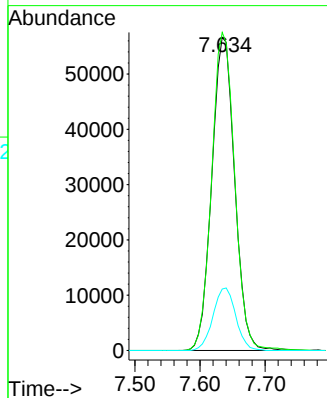
MSVOA\_Y

ClientSampleId :

OU4-VSL-07-121224



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 138350 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.1 | 82.9  | 124.3  |
| 192      | 19.9  | 15.7  | 23.5   |



#50

Toluene-d8

Concen: 57.559 ug/l

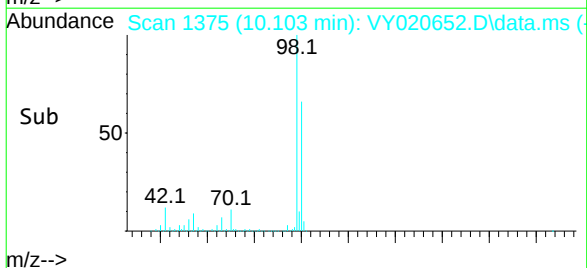
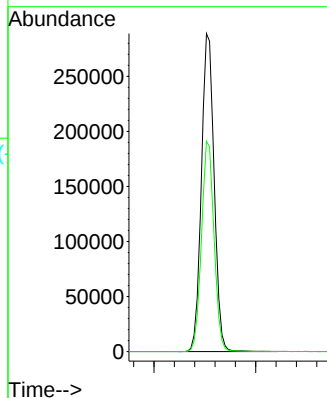
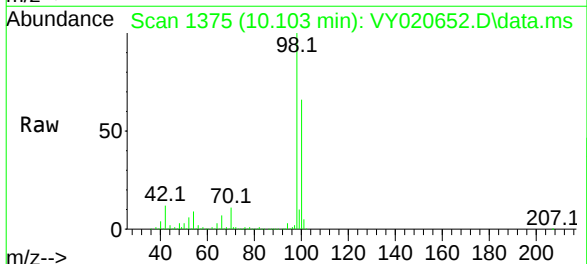
RT: 10.103 min Scan# 1375

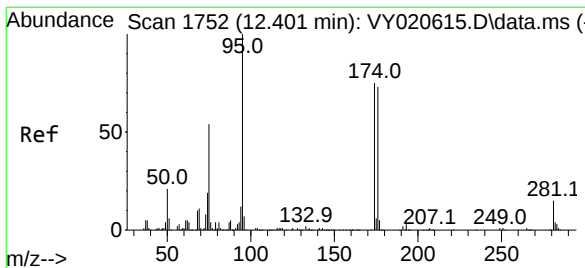
Delta R.T. 0.000 min

Lab File: VY020652.D

Acq: 19 Dec 2024 14:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 502199 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.2  | 52.1  | 78.1   |





#62

4-Bromofluorobenzene

Concen: 47.845 ug/l

RT: 12.408 min Scan# 1752

Delta R.T. 0.006 min

Lab File: VY020652.D

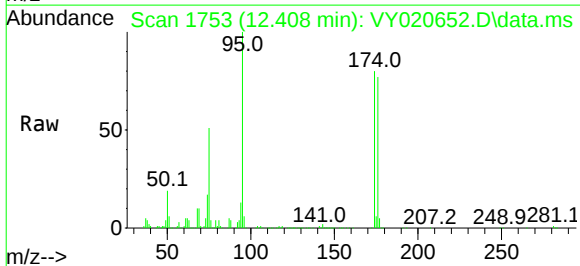
Acq: 19 Dec 2024 14:02

Instrument :

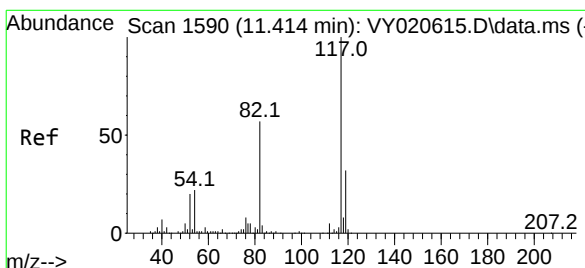
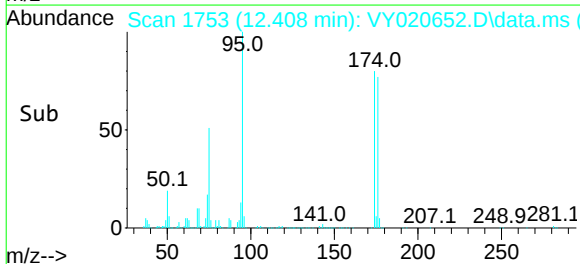
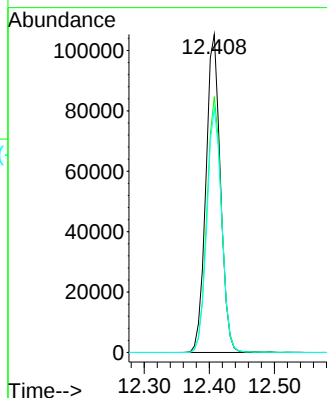
MSVOA\_Y

ClientSampleId :

OU4-VSL-07-121224



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 163291 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 81.2  | 0.0   | 161.8  |
| 176       | 78.1  | 0.0   | 156.6  |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

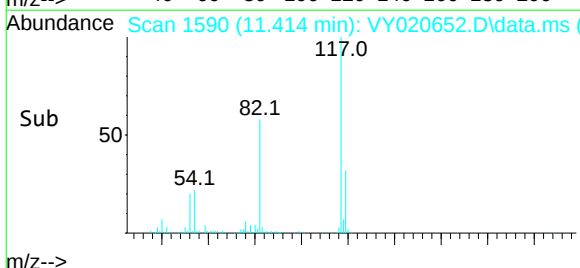
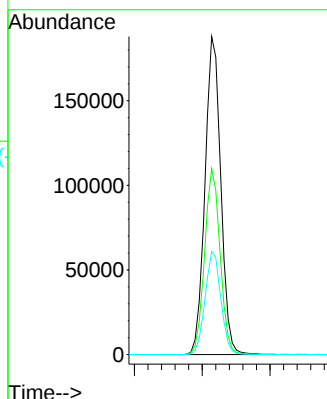
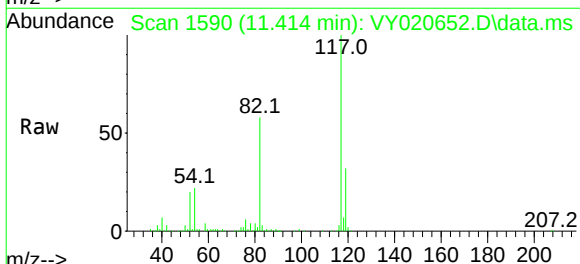
RT: 11.414 min Scan# 1590

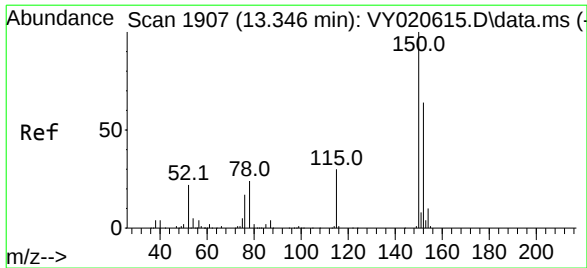
Delta R.T. 0.000 min

Lab File: VY020652.D

Acq: 19 Dec 2024 14:02

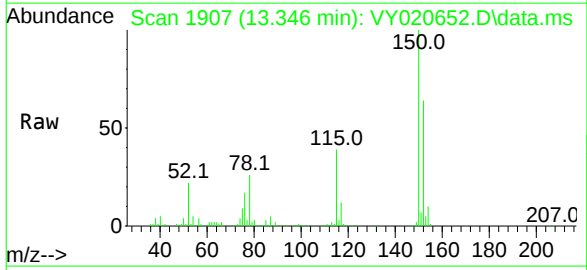
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 303802 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.5  | 45.8  | 68.6   |
| 119       | 32.4  | 25.3  | 37.9   |





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 19  
Delta R.T. 0.000 min  
Lab File: VY020652.D  
Acq: 19 Dec 2024 14:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-VSL-07-121224



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 124037 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 59.5  | 30.2  | 90.6   |
| 150      | 155.9 | 0.0   | 355.4  |

