

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032425\  
 Data File : VY021617.D  
 Acq On : 24 Mar 2025 14:51  
 Operator : SY/MD  
 Sample : Q1614-01  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-032025RE

Quant Time: Mar 25 01:30:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

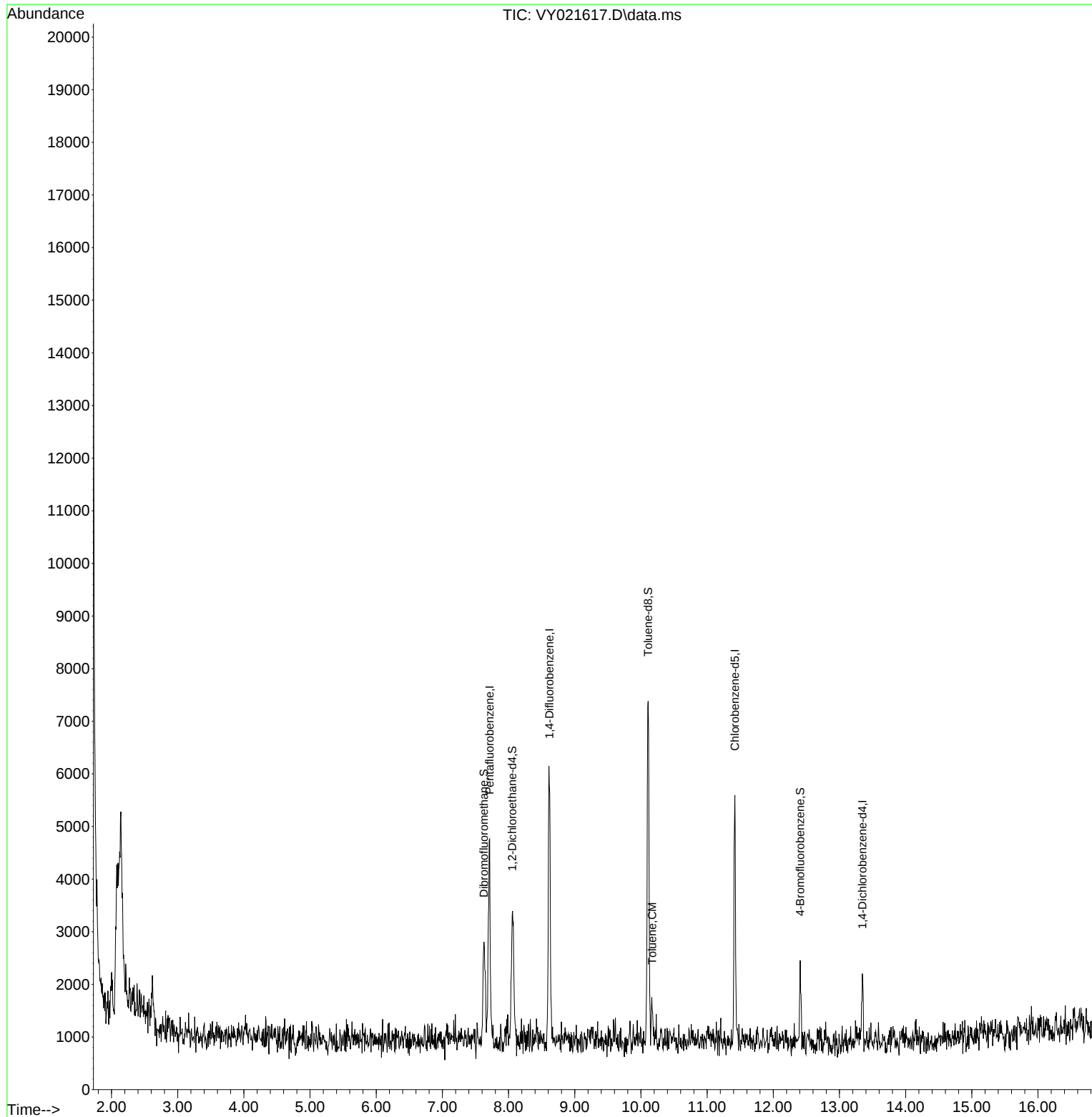
| Compound                    | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min)  |
|-----------------------------|--------|----------------|----------|--------|----------|-----------|
| -----                       |        |                |          |        |          |           |
| Internal Standards          |        |                |          |        |          |           |
| 1) Pentafluorobenzene       | 7.713  | 168            | 2755     | 50.000 | ug/l     | # 0.00    |
| 34) 1,4-Difluorobenzene     | 8.615  | 114            | 4424     | 50.000 | ug/l     | 0.00      |
| 63) Chlorobenzene-d5        | 11.420 | 117            | 2655     | 50.000 | ug/l     | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152            | 504      | 50.000 | ug/l     | 0.00      |
| System Monitoring Compounds |        |                |          |        |          |           |
| 33) 1,2-Dichloroethane-d4   | 8.054  | 65             | 2126     | 73.012 | ug/l     | -0.01     |
| Spiked Amount               | 50.000 | Range 50 - 163 | Recovery | =      | 146.020% |           |
| 35) Dibromofluoromethane    | 7.628  | 113            | 1622     | 55.778 | ug/l     | -0.01     |
| Spiked Amount               | 50.000 | Range 54 - 147 | Recovery | =      | 111.560% |           |
| 50) Toluene-d8              | 10.109 | 98             | 4755     | 43.186 | ug/l     | 0.00      |
| Spiked Amount               | 50.000 | Range 58 - 134 | Recovery | =      | 86.380%  |           |
| 62) 4-Bromofluorobenzene    | 12.407 | 95             | 581      | 15.513 | ug/l     | 0.00      |
| Spiked Amount               | 50.000 | Range 30 - 143 | Recovery | =      | 31.020%  |           |
| Target Compounds            |        |                |          |        |          |           |
| 52) Toluene                 | 10.170 | 92             | 474      | 5.607  | ug/l     | Qvalue 99 |
| -----                       |        |                |          |        |          |           |

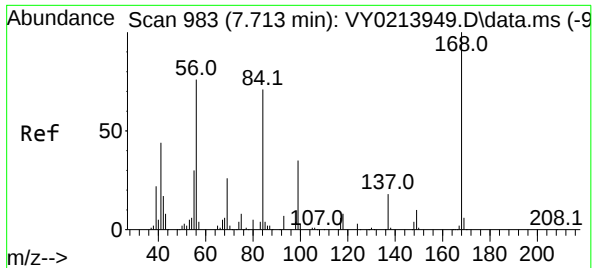
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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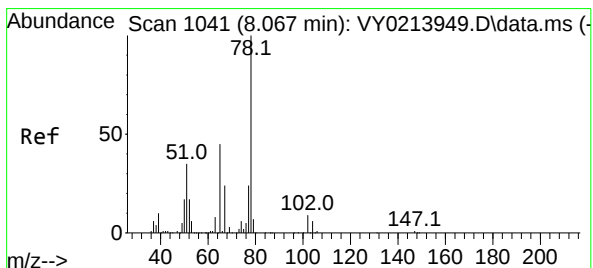
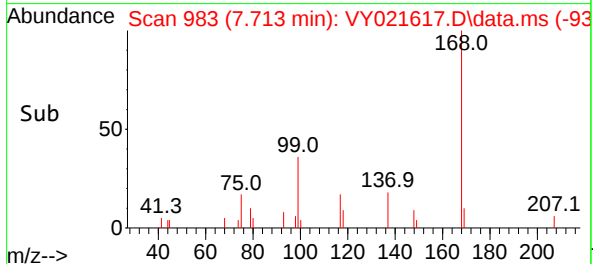
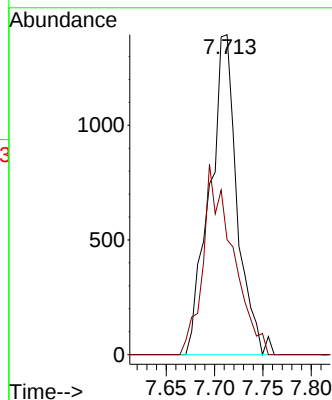
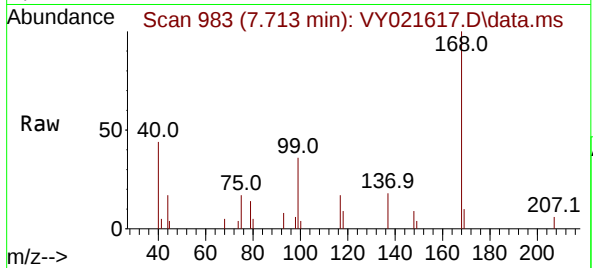




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 99  
Delta R.T. -0.000 min  
Lab File: VY021617.D  
Acq: 24 Mar 2025 14:51

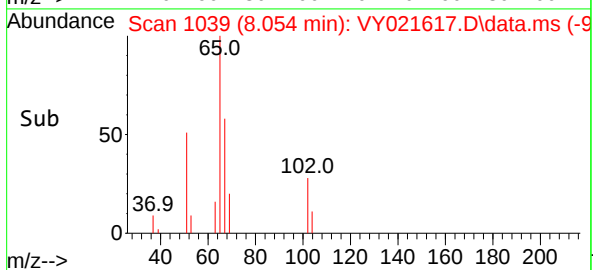
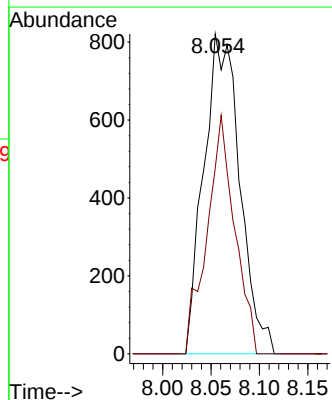
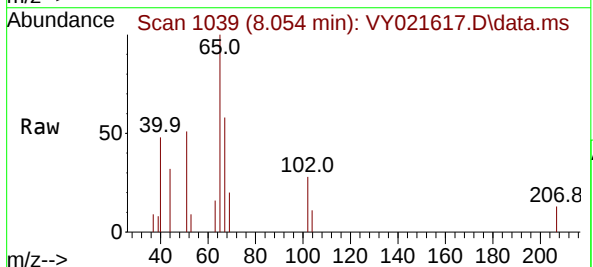
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-032025RE

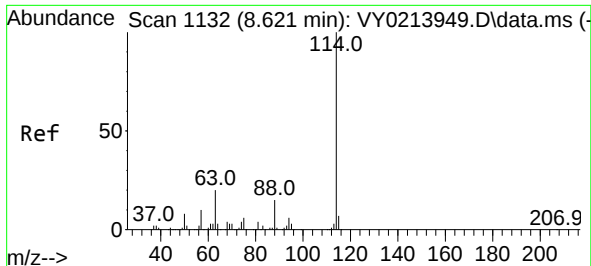
Tgt Ion:168 Resp: 2755  
Ion Ratio Lower Upper  
168 100  
99 35.9 46.0 69.0#



#33  
1,2-Dichloroethane-d4  
Concen: 73.012 ug/l  
RT: 8.054 min Scan# 1039  
Delta R.T. -0.012 min  
Lab File: VY021617.D  
Acq: 24 Mar 2025 14:51

Tgt Ion: 65 Resp: 2126  
Ion Ratio Lower Upper  
65 100  
67 57.7 0.0 102.8

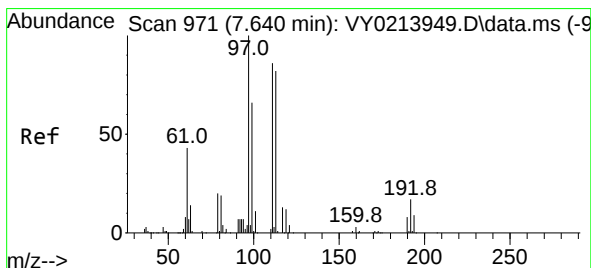
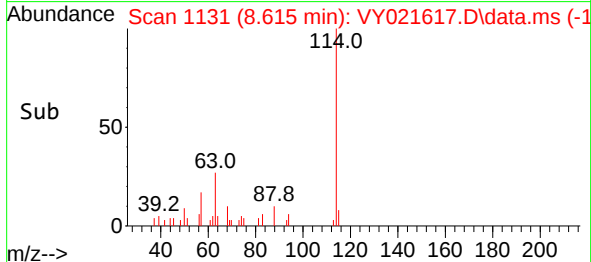
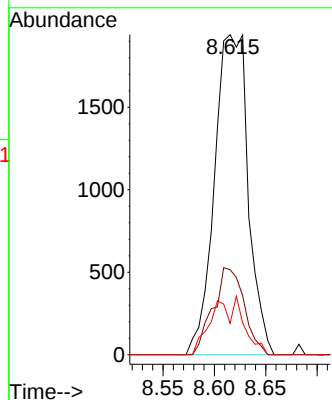
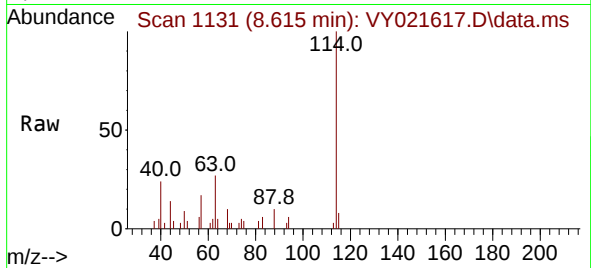




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1132  
Delta R.T. -0.006 min  
Lab File: VY021617.D  
Acq: 24 Mar 2025 14:51

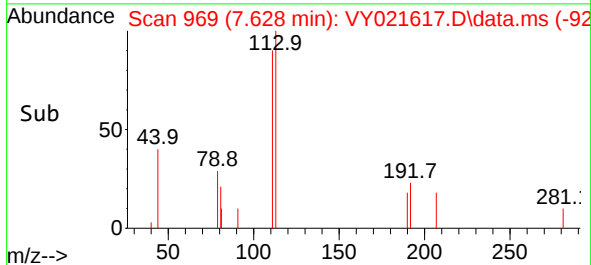
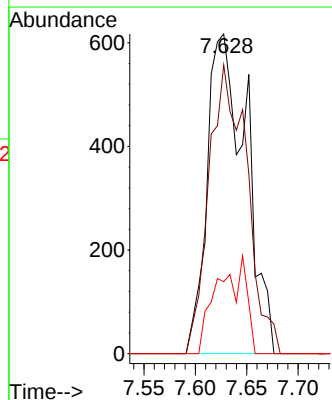
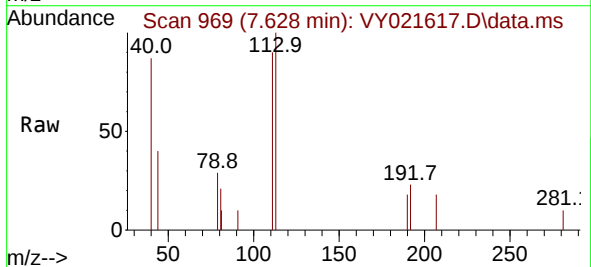
Instrument :  
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ClientSampleId :  
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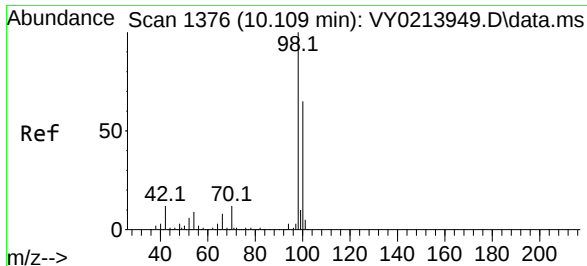
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 4424        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 26.5  | 0.0 40.8    |
| 88          | 9.8   | 0.0 30.8    |



#35  
Dibromofluoromethane  
Concen: 55.778 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. -0.012 min  
Lab File: VY021617.D  
Acq: 24 Mar 2025 14:51

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 1622        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 88.0  | 82.0 123.0  |
| 192         | 22.7  | 15.9 23.9   |

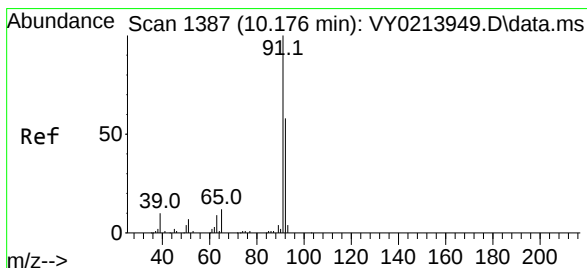
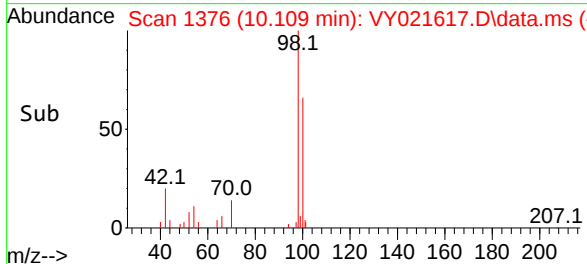
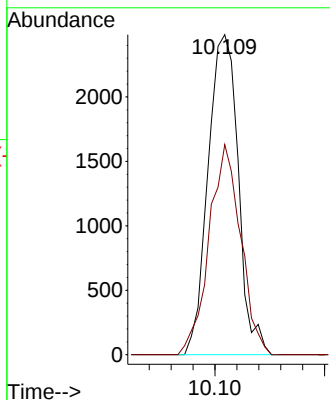
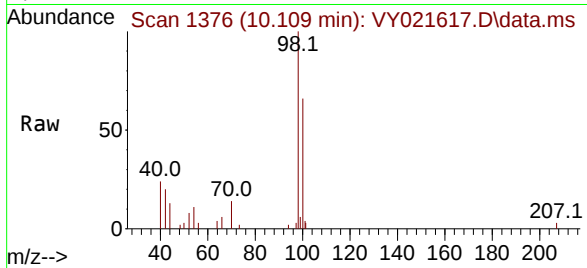




#50  
Toluene-d8  
Concen: 43.186 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY021617.D  
Acq: 24 Mar 2025 14:51

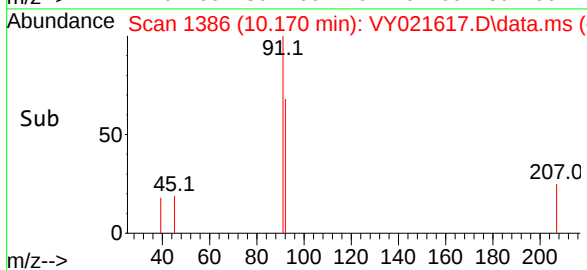
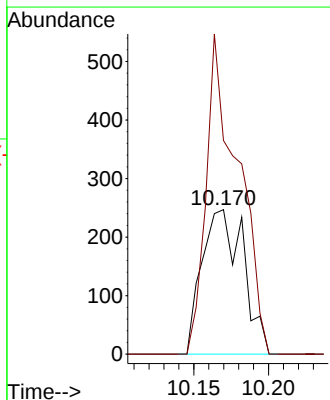
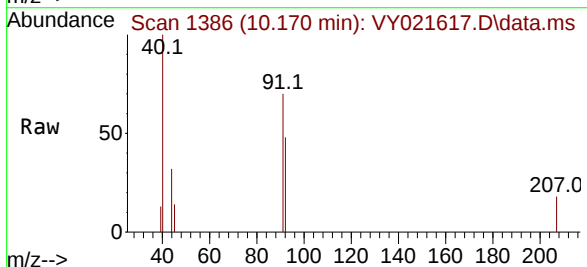
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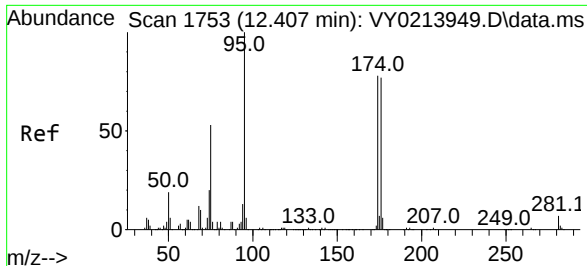
Tgt Ion: 98 Resp: 4755  
Ion Ratio Lower Upper  
98 100  
100 68.6 52.1 78.1



#52  
Toluene  
Concen: 5.607 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. -0.006 min  
Lab File: VY021617.D  
Acq: 24 Mar 2025 14:51

Tgt Ion: 92 Resp: 474  
Ion Ratio Lower Upper  
92 100  
91 171.1 138.2 207.2

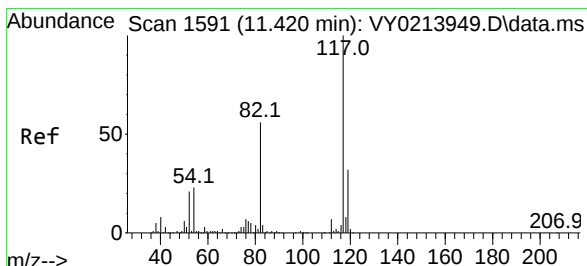
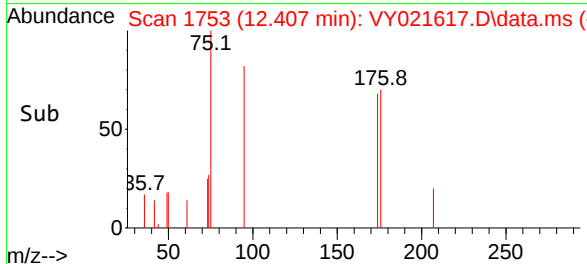
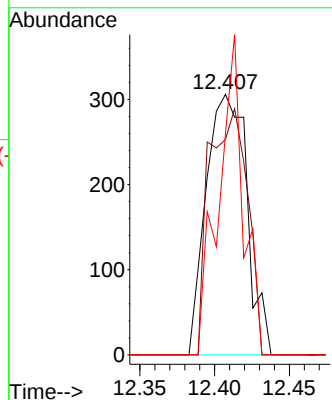
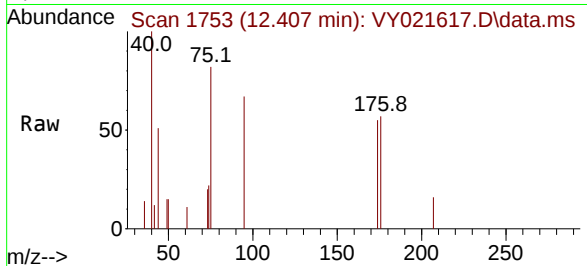




#62  
4-Bromofluorobenzene  
Concen: 15.513 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY021617.D  
Acq: 24 Mar 2025 14:51

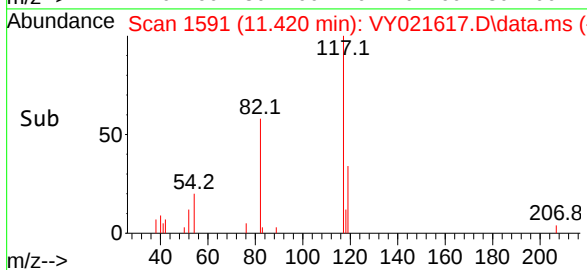
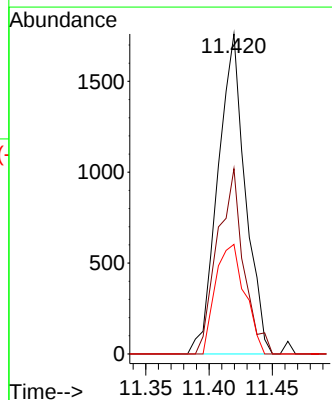
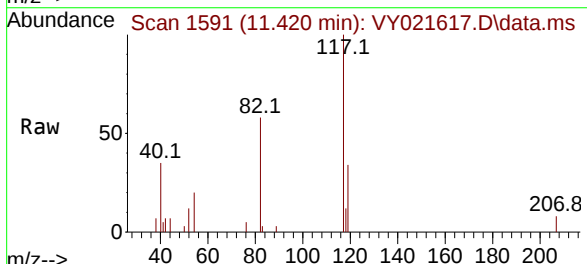
Instrument :  
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TR-04-032025RE

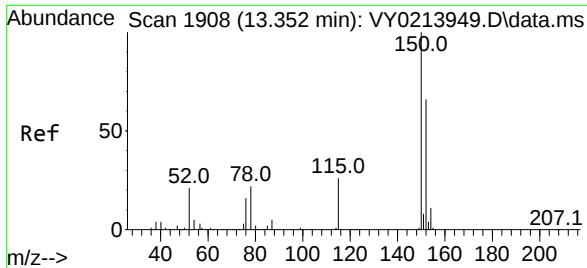
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 581   |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 88.5  | 0.0   | 165.0 |
| 176       | 75.0  | 0.0   | 160.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: VY021617.D  
Acq: 24 Mar 2025 14:51

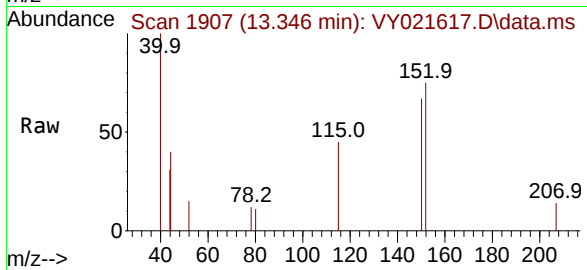
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 117   | Resp: | 2655 |
| Ion Ratio | Lower | Upper |      |
| 117       | 100   |       |      |
| 82        | 57.9  | 44.6  | 67.0 |
| 119       | 34.2  | 25.4  | 38.0 |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. -0.006 min  
 Lab File: VY021617.D  
 Acq: 24 Mar 2025 14:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-032025RE



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 504   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 43.3  | 29.0  | 87.0  |
| 150      | 137.9 | 0.0   | 347.2 |

