

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
 Data File : VY021692.D  
 Acq On : 28 Mar 2025 15:14  
 Operator : SY/MD  
 Sample : Q1650-02  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 STOCK-PILE-BIN2

Quant Time: Mar 28 23:44:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 4138     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 6686     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 4425     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 517      | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 3065     | 68.363   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 136.720% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 2094     | 48.281   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.560%  |
| 50) Toluene-d8              | 10.109 | 98    | 7357     | 44.589   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 89.180%  |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 935      | 16.753   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 33.500%  |

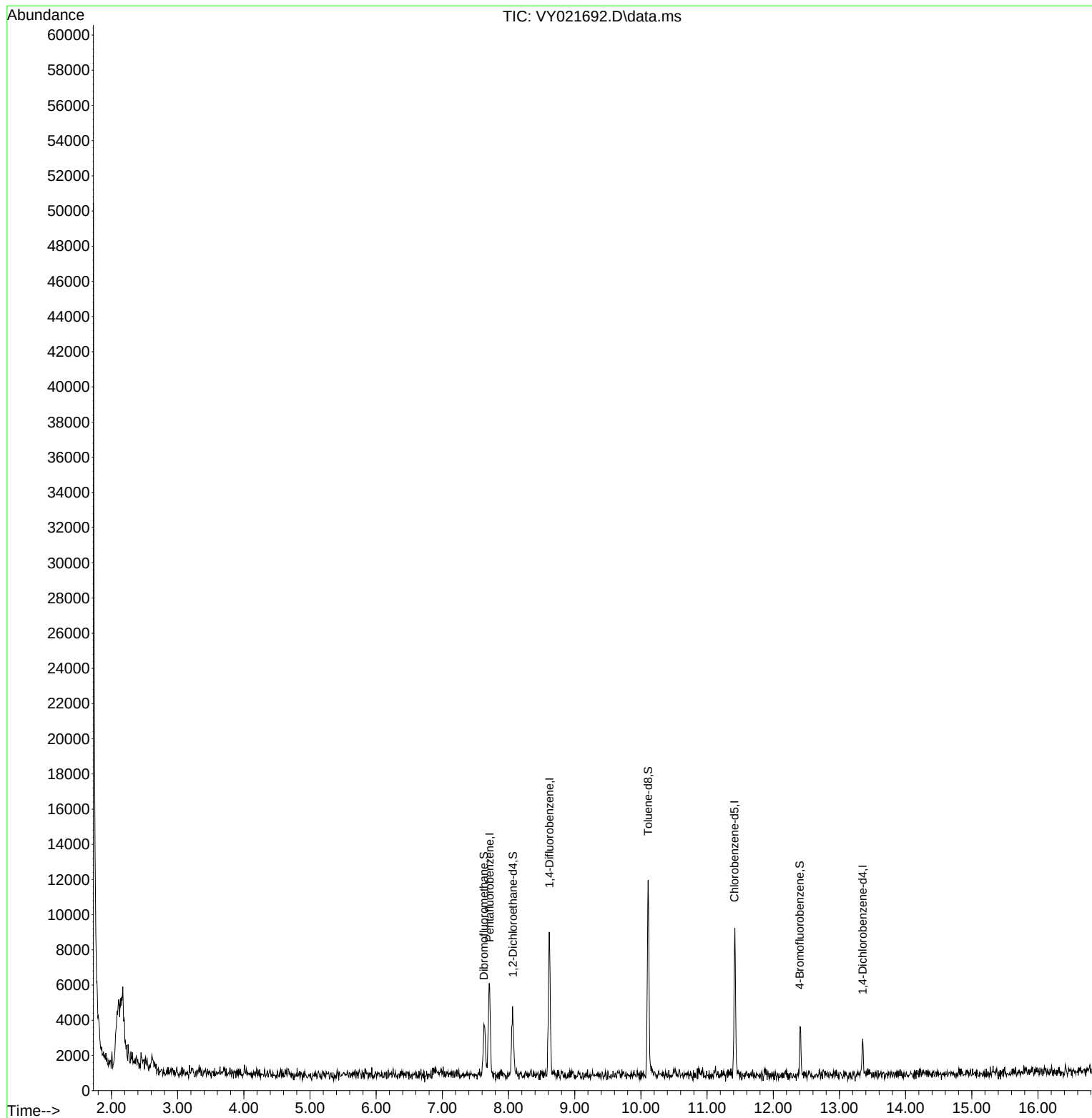
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

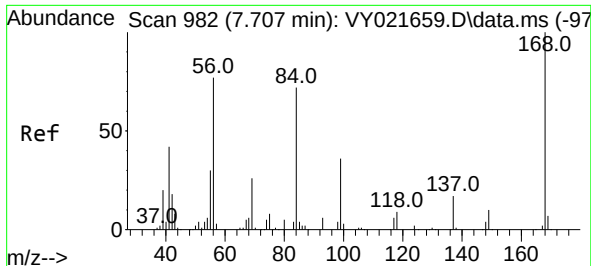
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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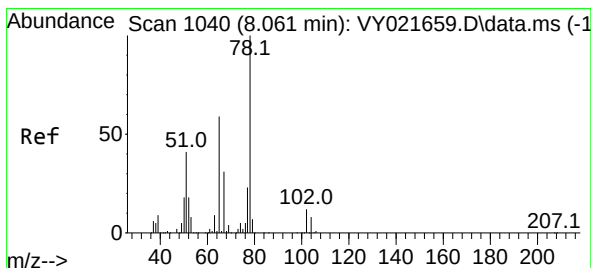
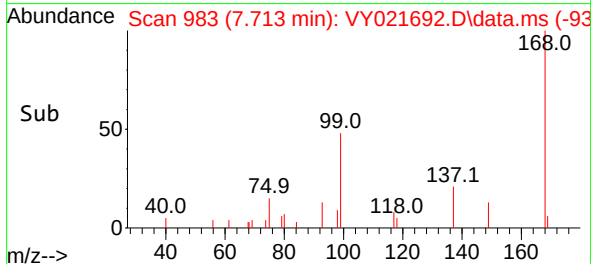
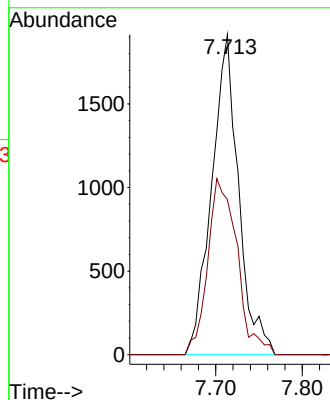
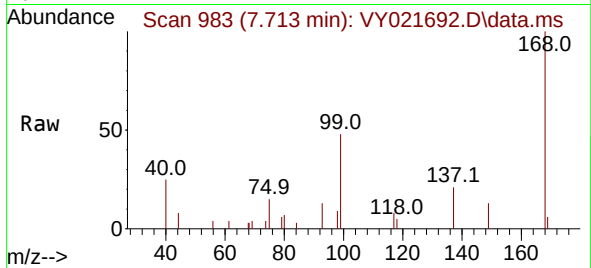




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY021692.D  
Acq: 28 Mar 2025 15:14

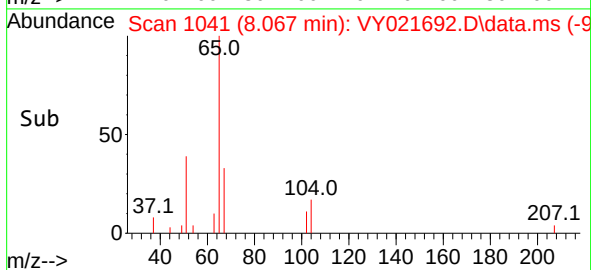
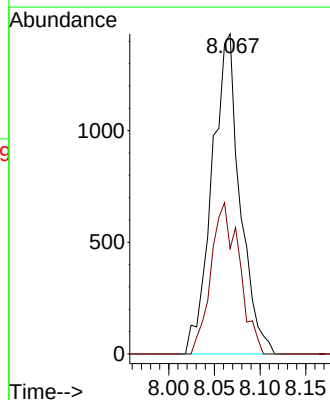
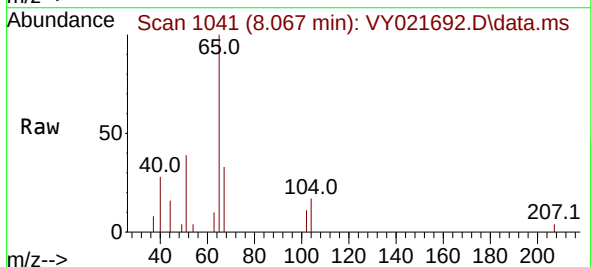
Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE-BIN2

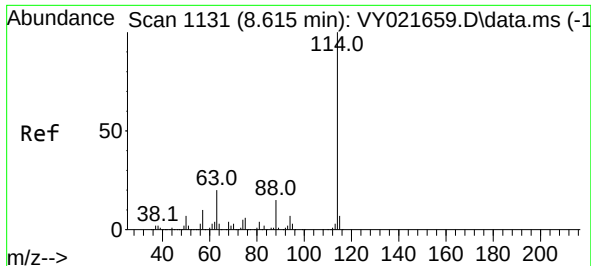
Tgt Ion:168 Resp: 4138  
Ion Ratio Lower Upper  
168 100  
99 48.5 46.7 70.1



#33  
1,2-Dichloroethane-d4  
Concen: 68.363 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VY021692.D  
Acq: 28 Mar 2025 15:14

Tgt Ion: 65 Resp: 3065  
Ion Ratio Lower Upper  
65 100  
67 47.8 0.0 104.6

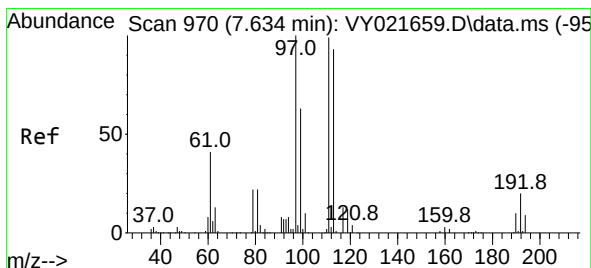
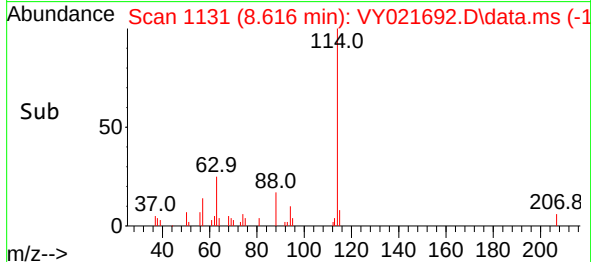
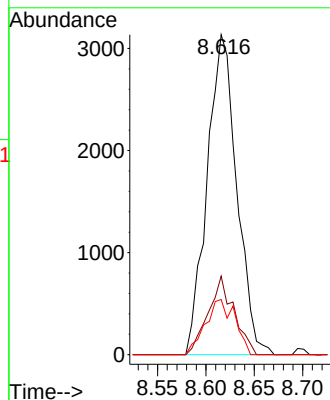
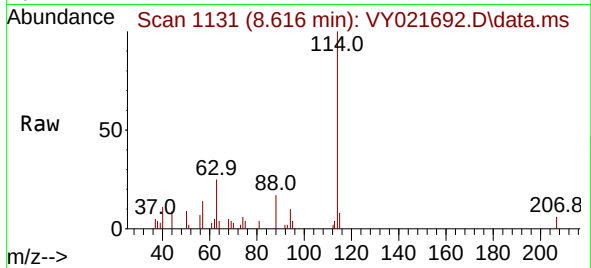




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VY021692.D  
 Acq: 28 Mar 2025 15:14

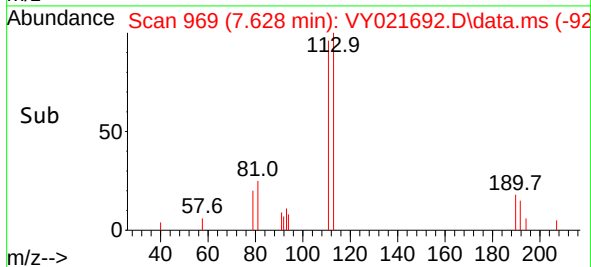
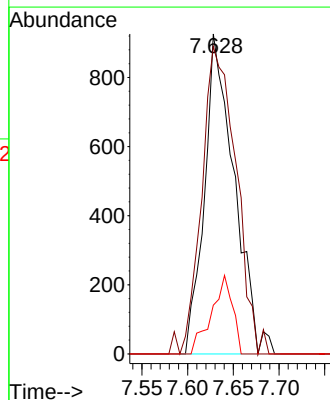
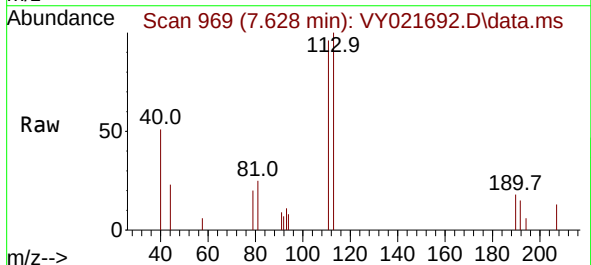
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 STOCK-PILE-BIN2

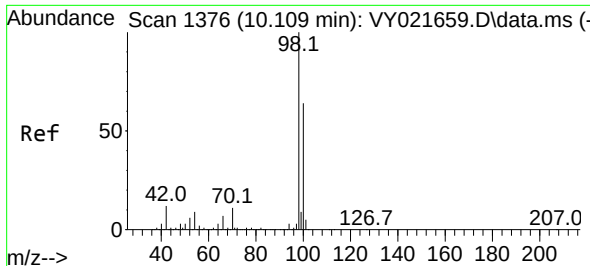
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 6686  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 24.6  | 0.0   | 40.2  |
| 88       | 17.3  | 0.0   | 29.8  |



#35  
 Dibromofluoromethane  
 Concen: 48.281 ug/l  
 RT: 7.628 min Scan# 969  
 Delta R.T. -0.006 min  
 Lab File: VY021692.D  
 Acq: 28 Mar 2025 15:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 2094  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 111.0 | 82.6  | 123.8 |
| 192      | 17.4  | 16.2  | 24.4  |

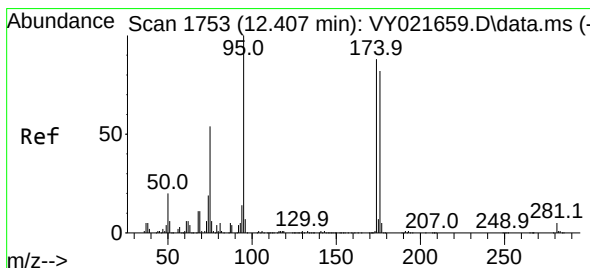
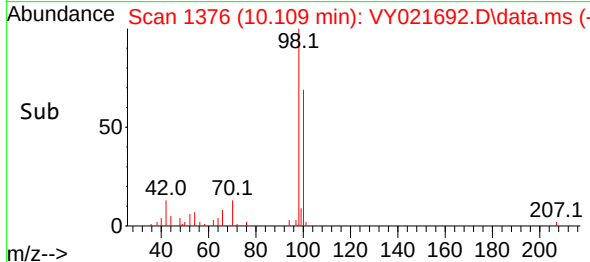
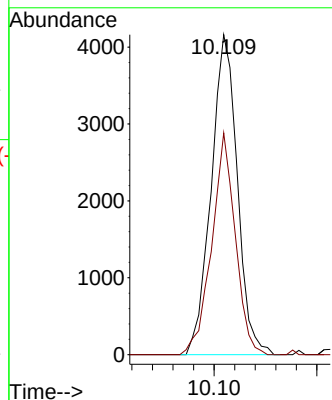
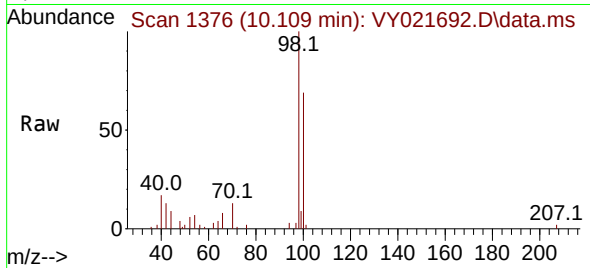




#50  
Toluene-d8  
Concen: 44.589 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021692.D  
Acq: 28 Mar 2025 15:14

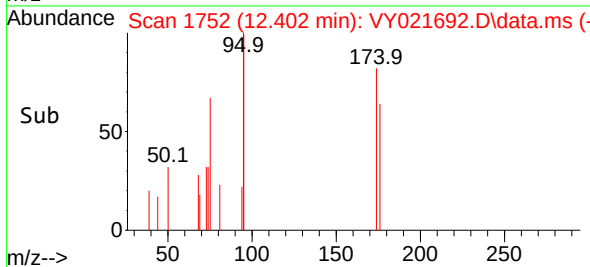
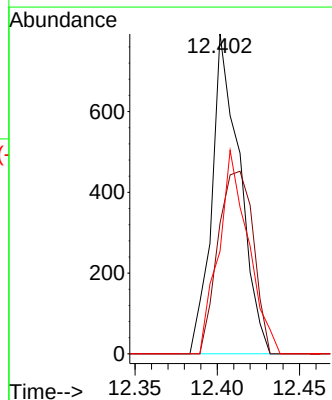
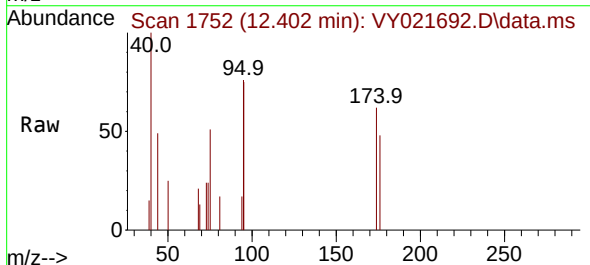
Instrument :  
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ClientSampleId :  
STOCK-PILE-BIN2

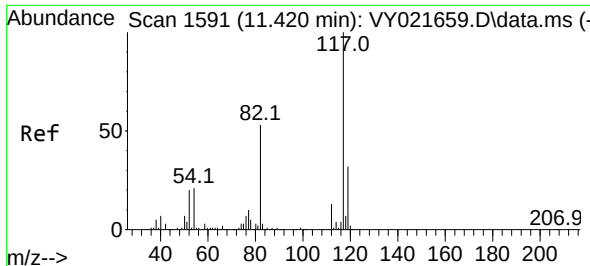
Tgt Ion: 98 Resp: 7357  
Ion Ratio Lower Upper  
98 100  
100 62.4 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 16.753 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY021692.D  
Acq: 28 Mar 2025 15:14

Tgt Ion: 95 Resp: 935  
Ion Ratio Lower Upper  
95 100  
174 72.2 0.0 170.8  
176 67.8 0.0 162.0

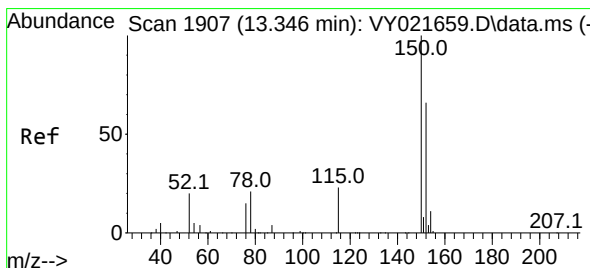
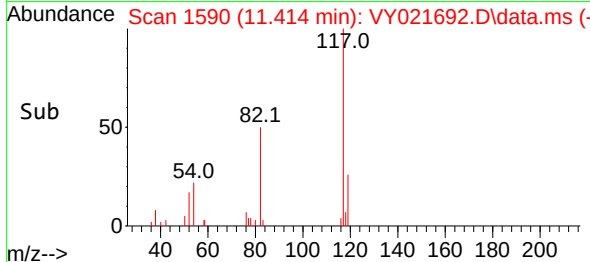
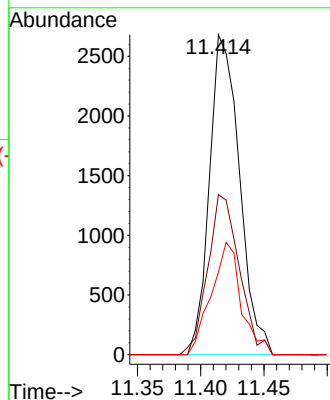
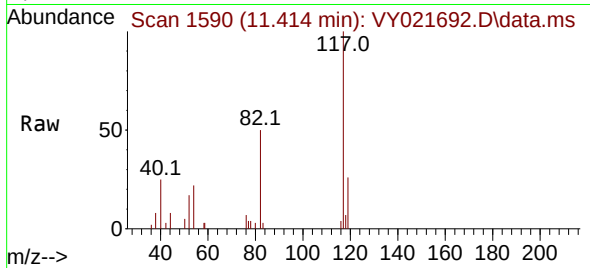




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY021692.D  
Acq: 28 Mar 2025 15:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE-BIN2

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 4425        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 50.0  | 42.8 64.2   |
| 119         | 25.8  | 25.7 38.5   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.353 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY021692.D  
Acq: 28 Mar 2025 15:14

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 517         |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 51.3  | 28.8 86.5   |
| 150         | 191.1 | 0.0 348.4   |

