

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060925\  
 Data File : VY022628.D  
 Acq On : 09 Jun 2025 14:23  
 Operator : SY/MD  
 Sample : Q2246-02  
 Misc : 3.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BU-03-060525

Quant Time: Jun 10 01:29:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 03 03:22:04 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 289652   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 543023   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 436928   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 160889   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 154729   | 47.762   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.520%  |
| 35) Dibromofluoromethane    | 7.640  | 113   | 159694   | 49.270   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.540%  |
| 50) Toluene-d8              | 10.109 | 98    | 662555   | 50.590   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.180% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 163794   | 41.976   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 83.960%  |

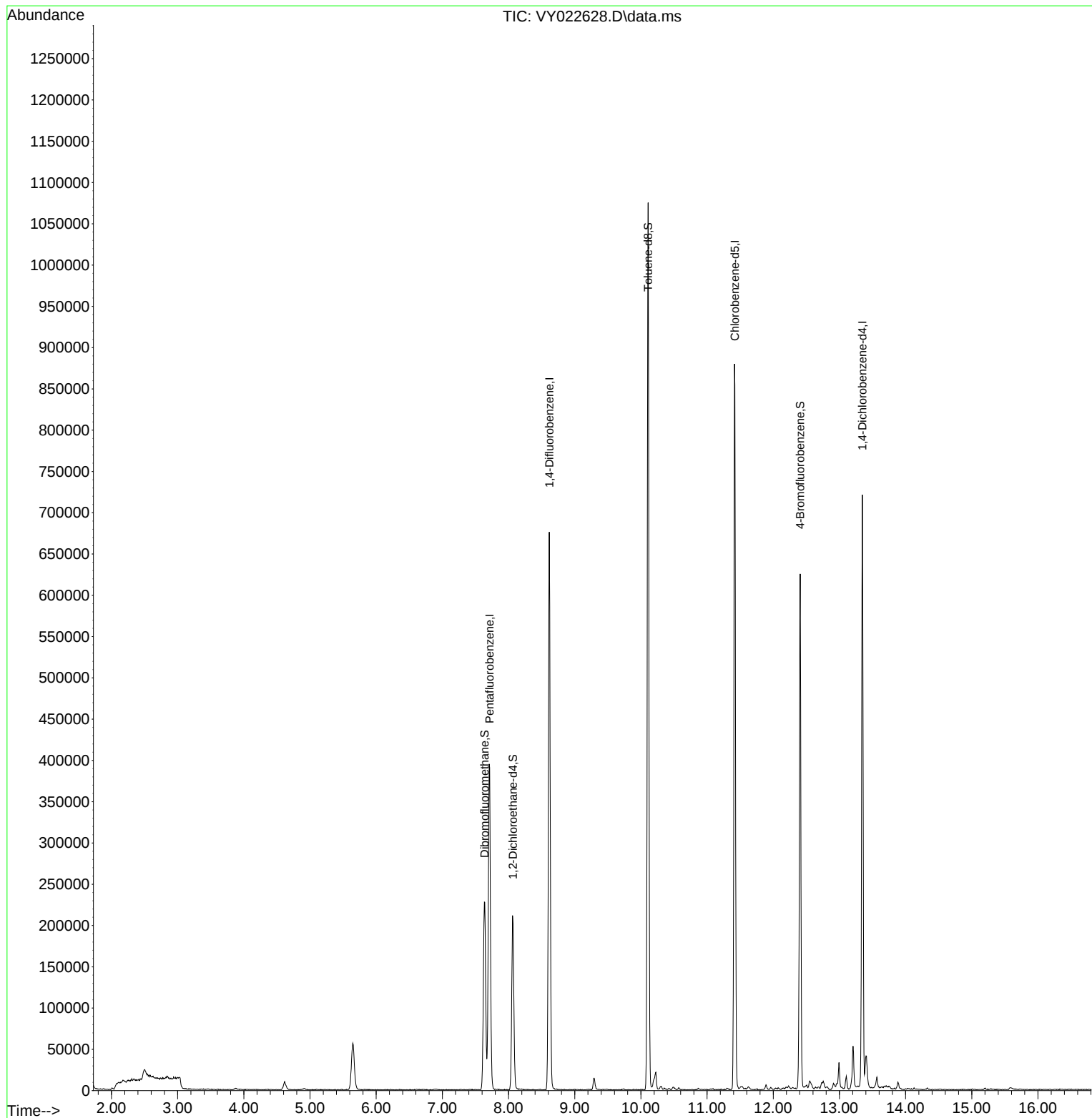
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

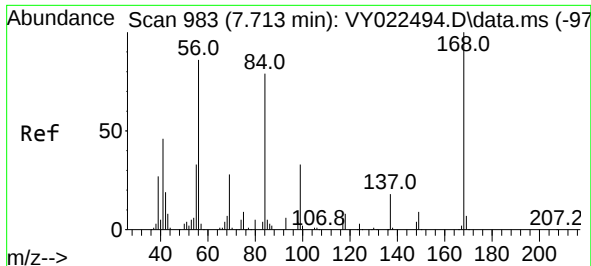
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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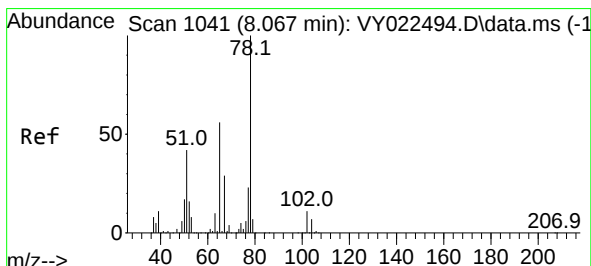
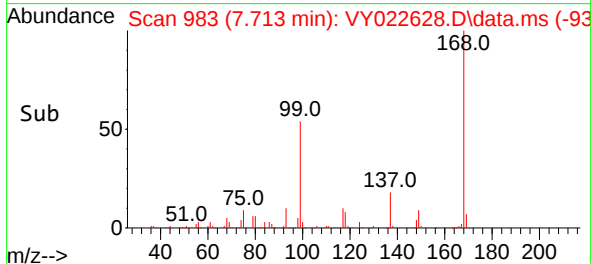
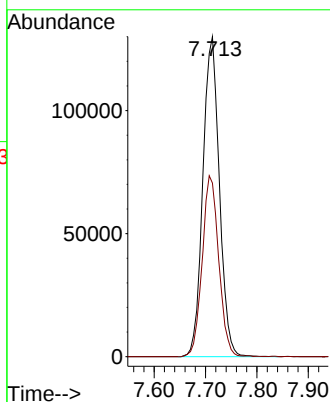
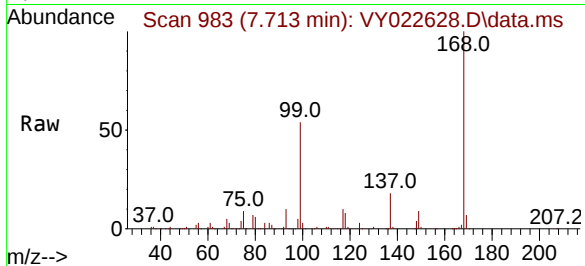




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY022628.D  
Acq: 09 Jun 2025 14:23

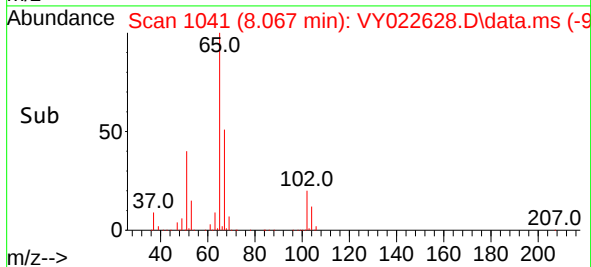
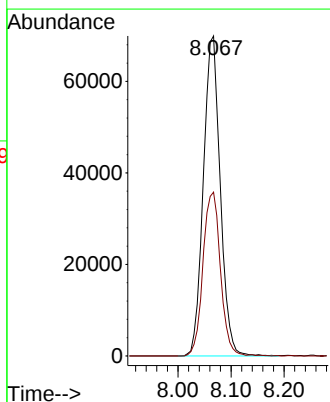
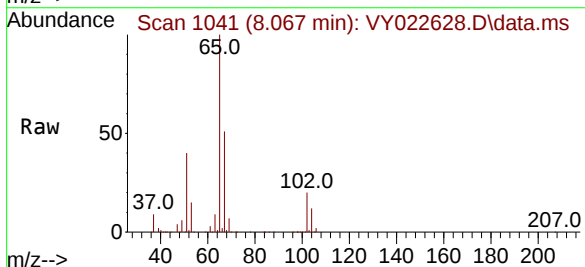
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BU-03-060525

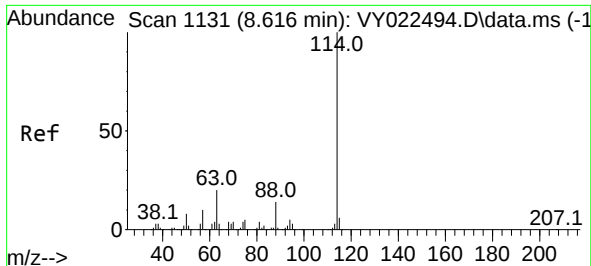
Tgt Ion:168 Resp: 289652  
Ion Ratio Lower Upper  
168 100  
99 54.3 44.3 66.5



#33  
1,2-Dichloroethane-d4  
Concen: 47.762 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY022628.D  
Acq: 09 Jun 2025 14:23

Tgt Ion: 65 Resp: 154729  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 103.4

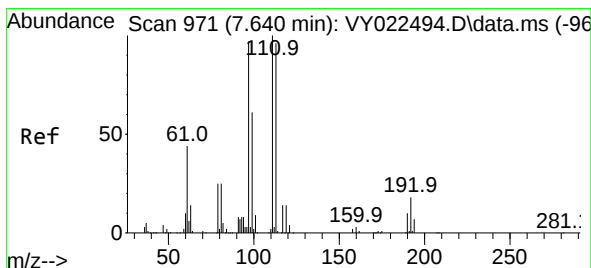
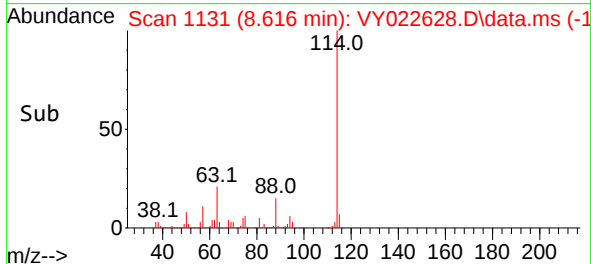
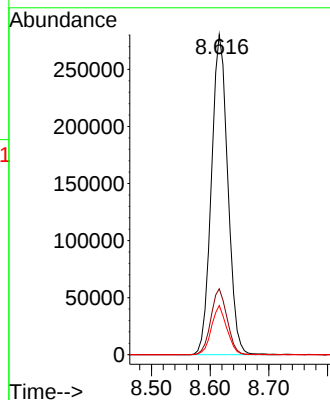
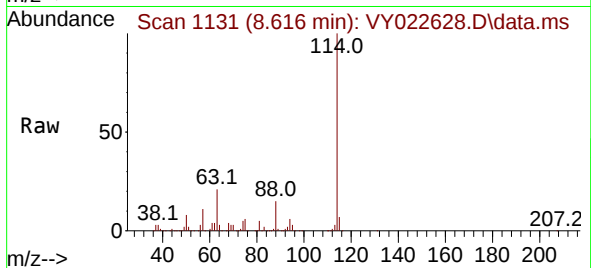




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY022628.D  
Acq: 09 Jun 2025 14:23

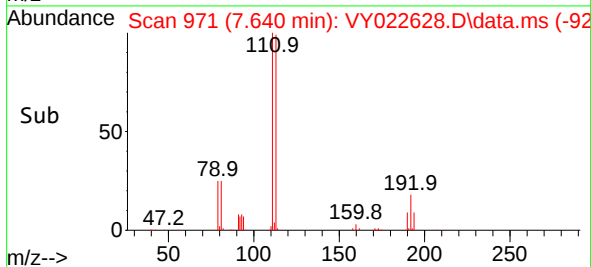
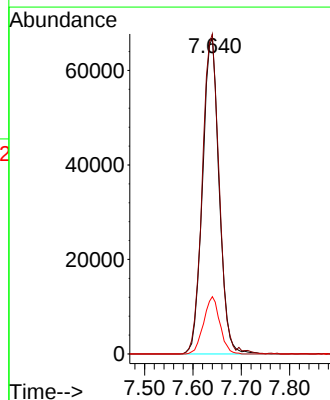
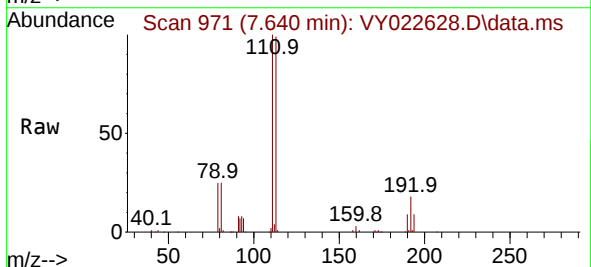
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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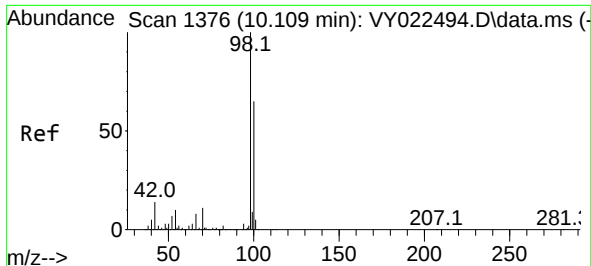
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 543023 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 20.6  | 0.0   | 40.8   |
| 88       | 15.4  | 0.0   | 27.8   |



#35  
Dibromofluoromethane  
Concen: 49.270 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: VY022628.D  
Acq: 09 Jun 2025 14:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 159694 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.6 | 81.1  | 121.7  |
| 192      | 17.7  | 14.2  | 21.2   |

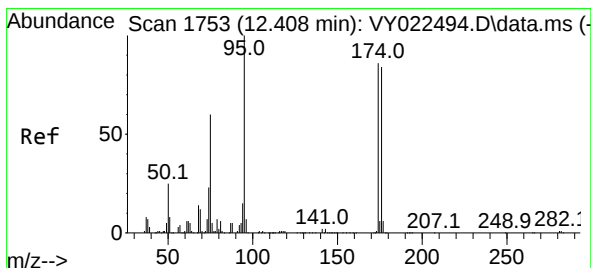
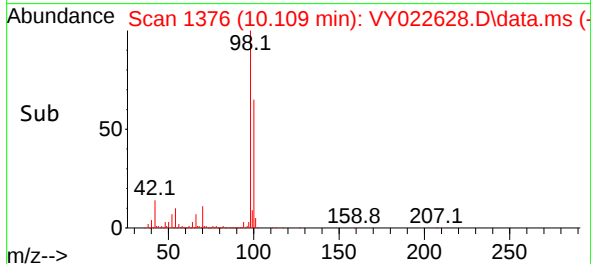
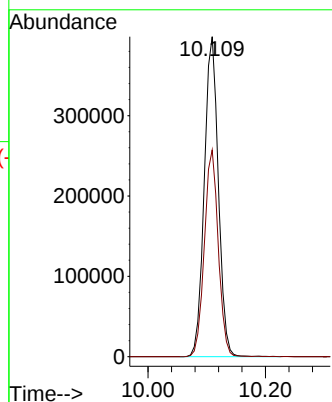
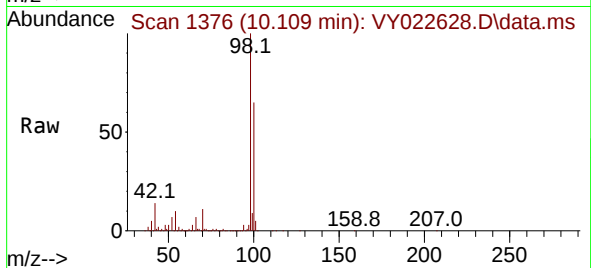




#50  
Toluene-d8  
Concen: 50.590 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY022628.D  
Acq: 09 Jun 2025 14:23

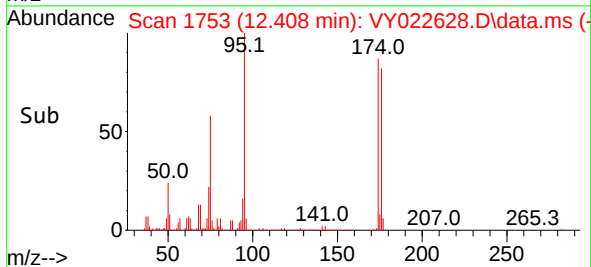
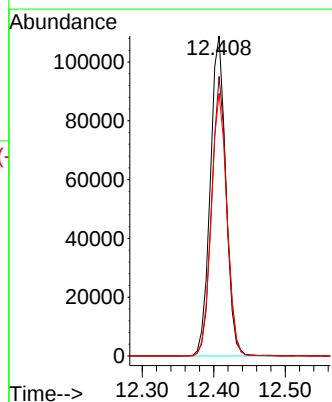
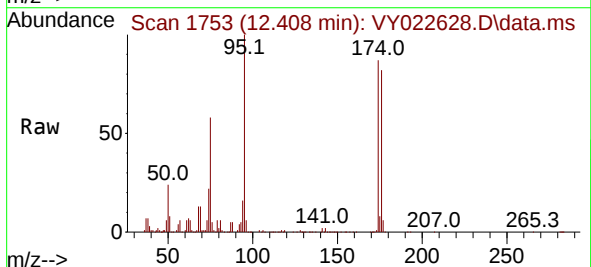
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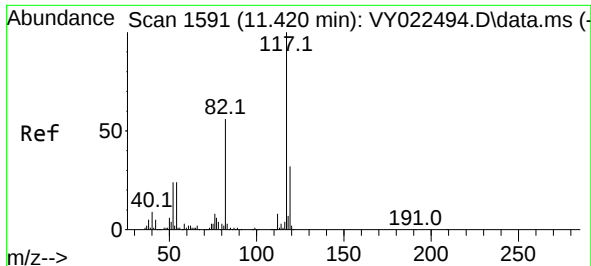
Tgt Ion: 98 Resp: 662555  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 41.976 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY022628.D  
Acq: 09 Jun 2025 14:23

Tgt Ion: 95 Resp: 163794  
Ion Ratio Lower Upper  
95 100  
174 85.3 0.0 170.0  
176 83.0 0.0 166.2

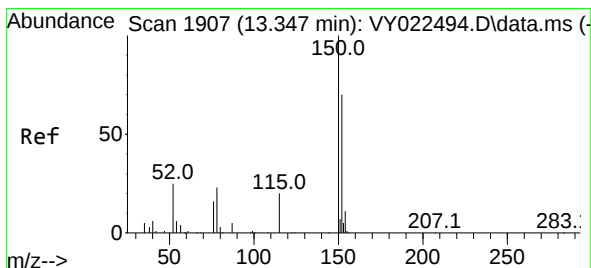
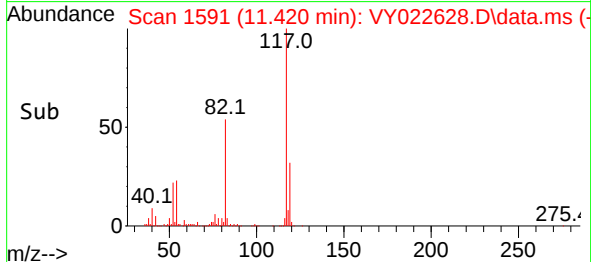
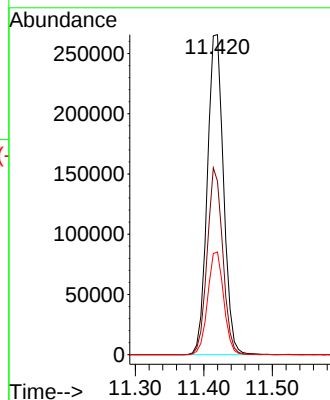
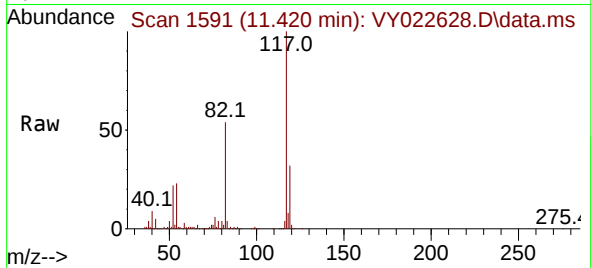




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY022628.D  
Acq: 09 Jun 2025 14:23

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BU-03-060525

Tgt Ion:117 Resp: 436928  
Ion Ratio Lower Upper  
117 100  
82 54.2 44.6 66.8  
119 32.1 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY022628.D  
Acq: 09 Jun 2025 14:23

Tgt Ion:152 Resp: 160889  
Ion Ratio Lower Upper  
152 100  
115 57.7 28.9 86.7  
150 157.5 0.0 349.6

