

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022625\  
 Data File : VY021326.D  
 Acq On : 26 Feb 2025 13:07  
 Operator : SY/MD  
 Sample : Q1418-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-06-02242025

Quant Time: Feb 26 14:00:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022525S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 26 02:09:13 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 6193     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 9898     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 7094     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152  | 1007     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 3632     | 51.698   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 103.400% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 3554     | 54.768   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.540% |
| 50) Toluene-d8              | 10.103 | 98    | 10743    | 42.837   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 85.680%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 1853     | 21.954   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 43.900%  |

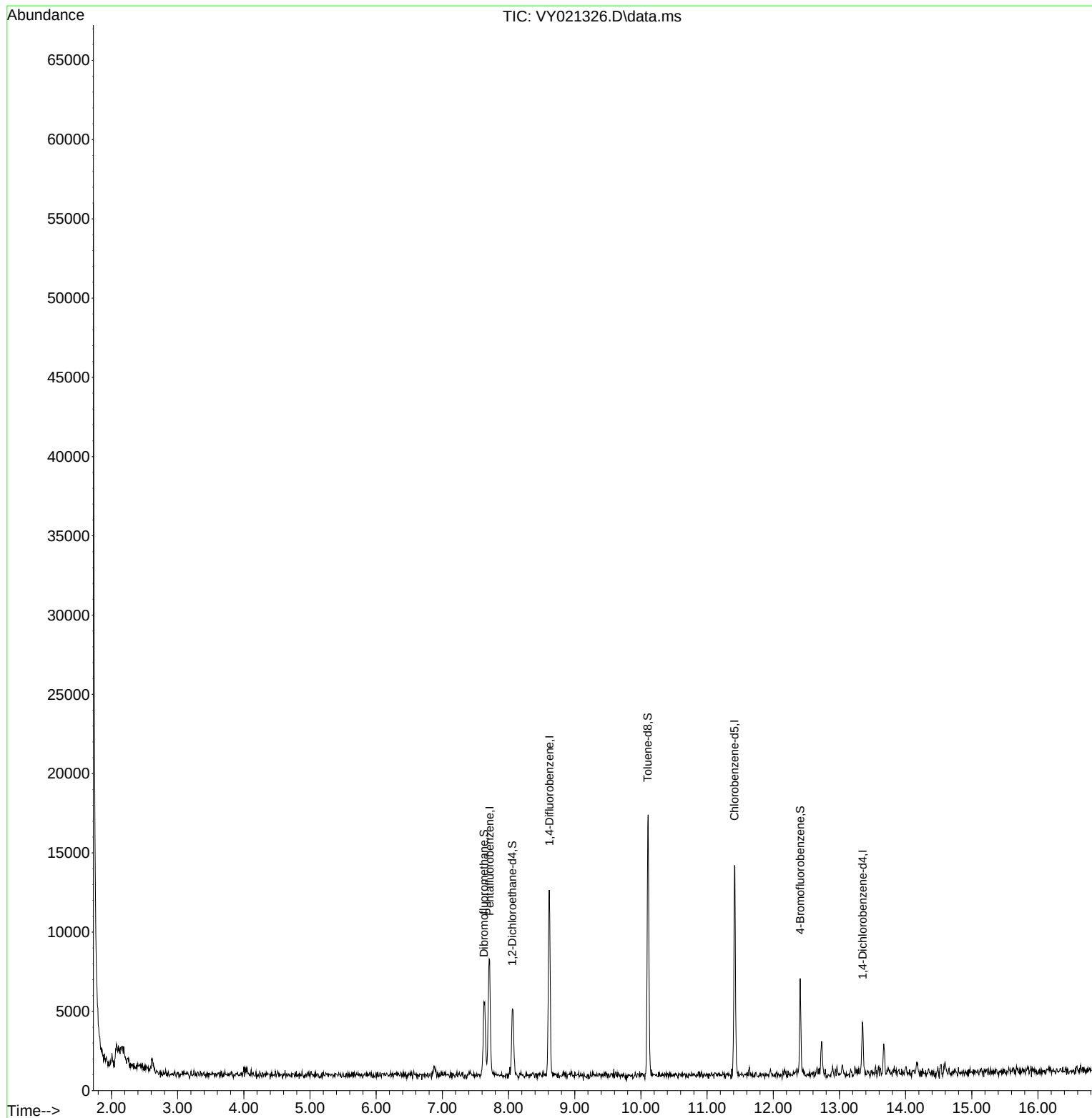
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

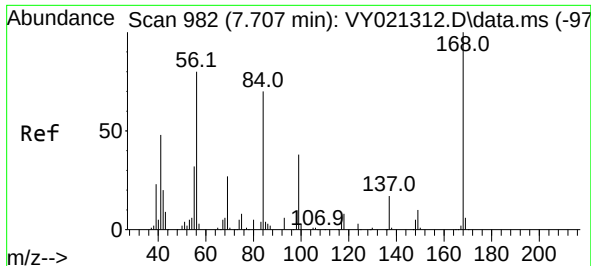
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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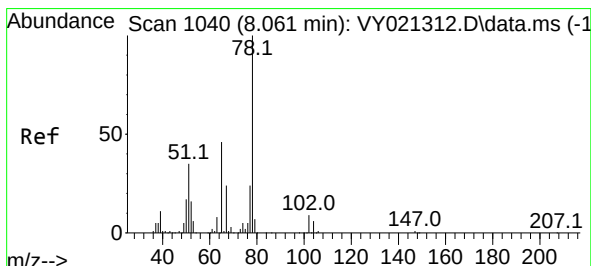
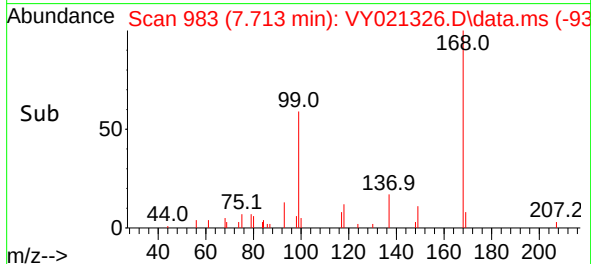
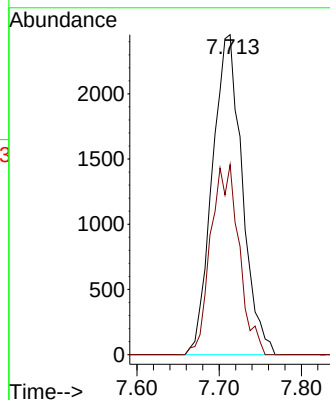
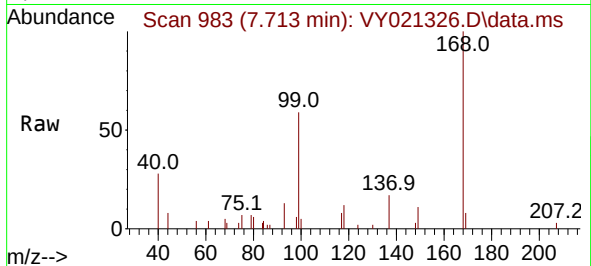




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY021326.D  
Acq: 26 Feb 2025 13:07

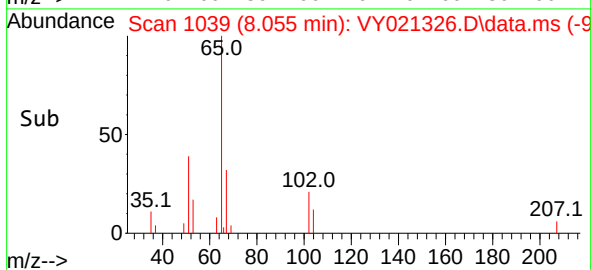
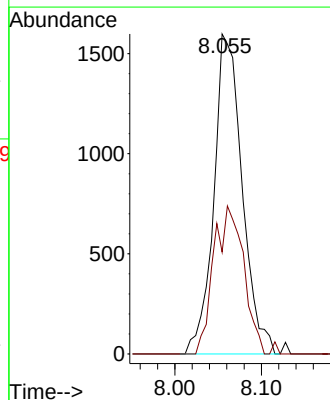
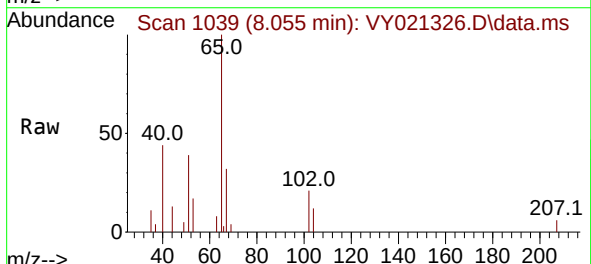
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-02242025

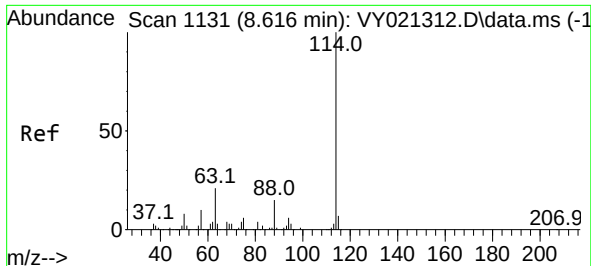
Tgt Ion:168 Resp: 6193  
Ion Ratio Lower Upper  
168 100  
99 59.4 47.1 70.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.698 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: VY021326.D  
Acq: 26 Feb 2025 13:07

Tgt Ion: 65 Resp: 3632  
Ion Ratio Lower Upper  
65 100  
67 48.7 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021326.D

Acq: 26 Feb 2025 13:07

Instrument :

MSVOA\_Y

ClientSampleId :

TR-06-02242025

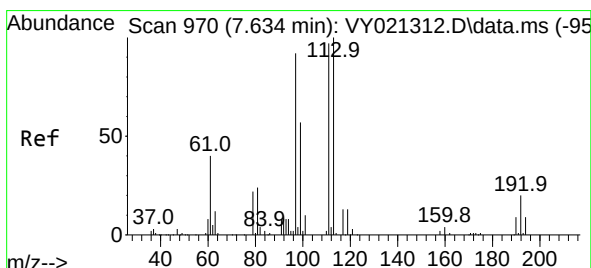
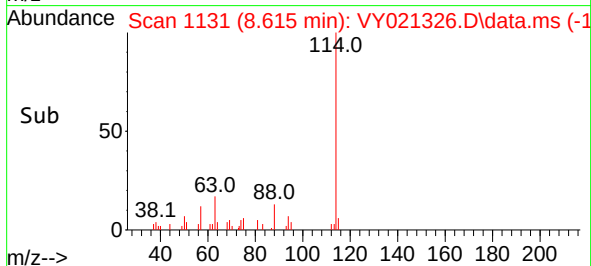
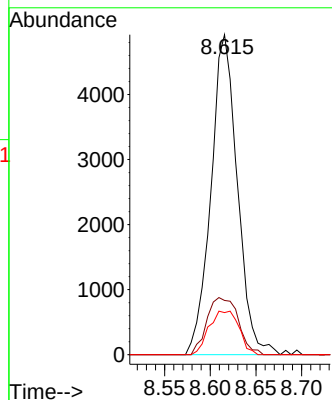
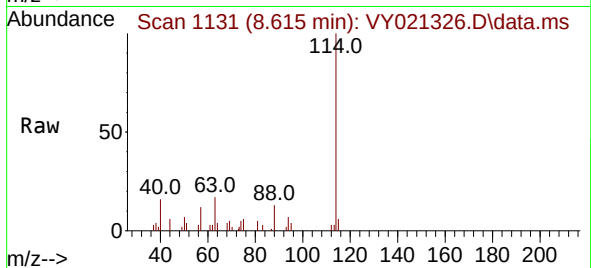
Tgt Ion:114 Resp: 9898

Ion Ratio Lower Upper

114 100

63 16.9 0.0 42.2

88 13.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 54.768 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY021326.D

Acq: 26 Feb 2025 13:07

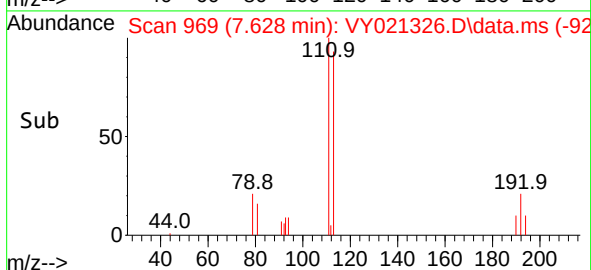
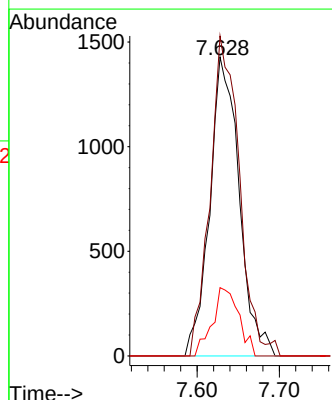
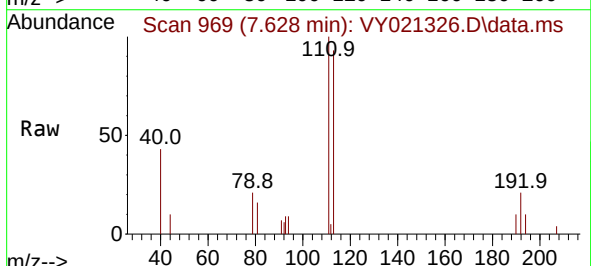
Tgt Ion:113 Resp: 3554

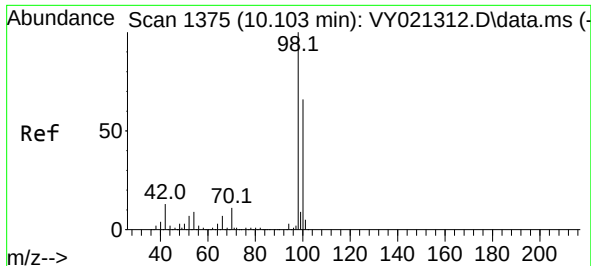
Ion Ratio Lower Upper

113 100

111 106.3 81.0 121.6

192 20.5 15.8 23.8

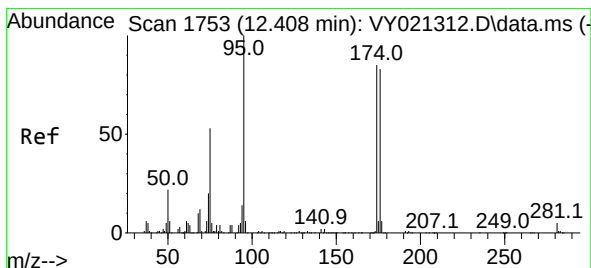
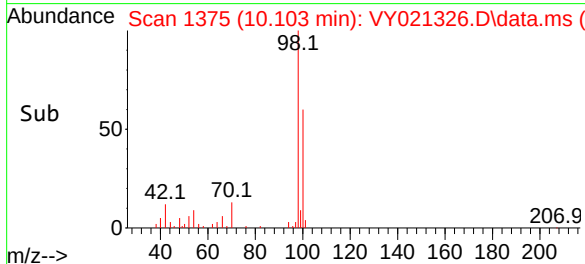
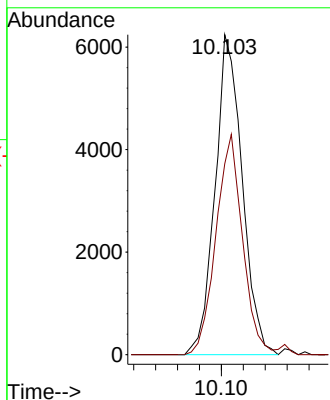
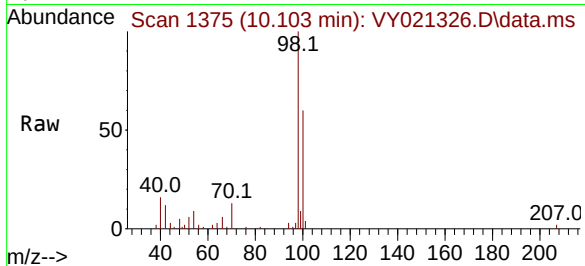




#50  
Toluene-d8  
Concen: 42.837 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.000 min  
Lab File: VY021326.D  
Acq: 26 Feb 2025 13:07

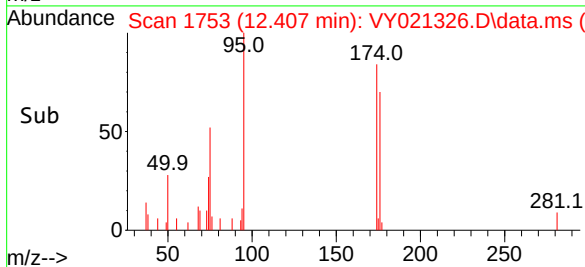
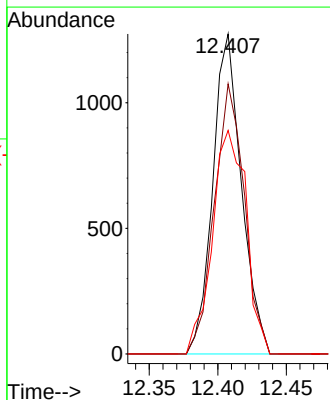
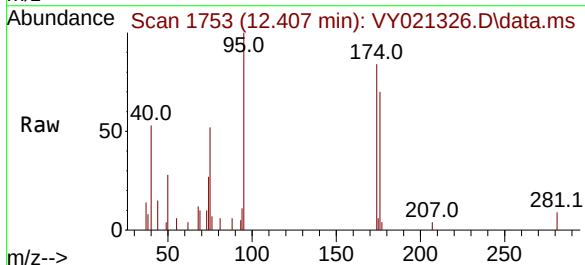
Instrument :  
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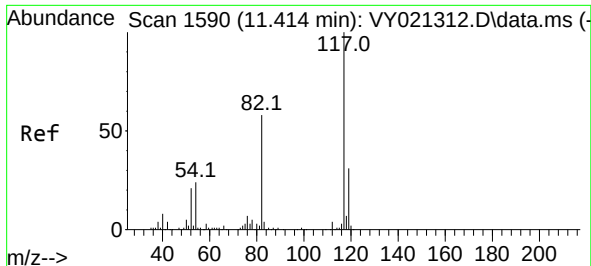
Tgt Ion: 98 Resp: 10743  
Ion Ratio Lower Upper  
98 100  
100 67.7 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 21.954 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY021326.D  
Acq: 26 Feb 2025 13:07

Tgt Ion: 95 Resp: 1853  
Ion Ratio Lower Upper  
95 100  
174 88.2 0.0 168.0  
176 82.4 0.0 162.6

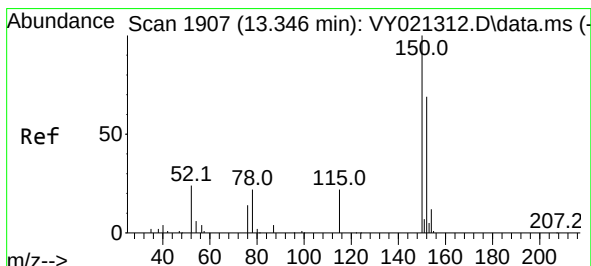
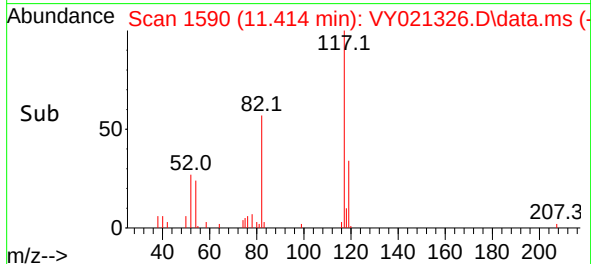
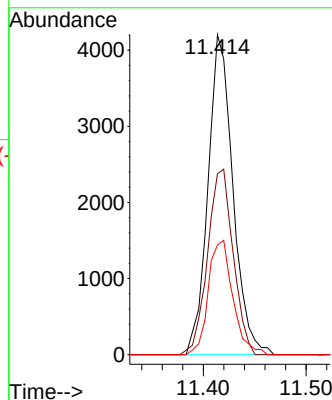
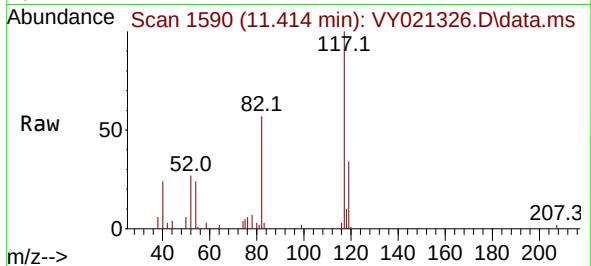




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY021326.D  
Acq: 26 Feb 2025 13:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-02242025

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 7094        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 56.5  | 46.2 69.4   |
| 119         | 34.3  | 24.9 37.3   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.352 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY021326.D  
Acq: 26 Feb 2025 13:07

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 1007        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 52.9  | 29.3 88.0   |
| 150         | 156.0 | 0.0 347.4   |

