

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032625\  
 Data File : VY021648.D  
 Acq On : 26 Mar 2025 15:47  
 Operator : SY/MD  
 Sample : Q1637-03  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-02-032525

Quant Time: Mar 27 01:32:25 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

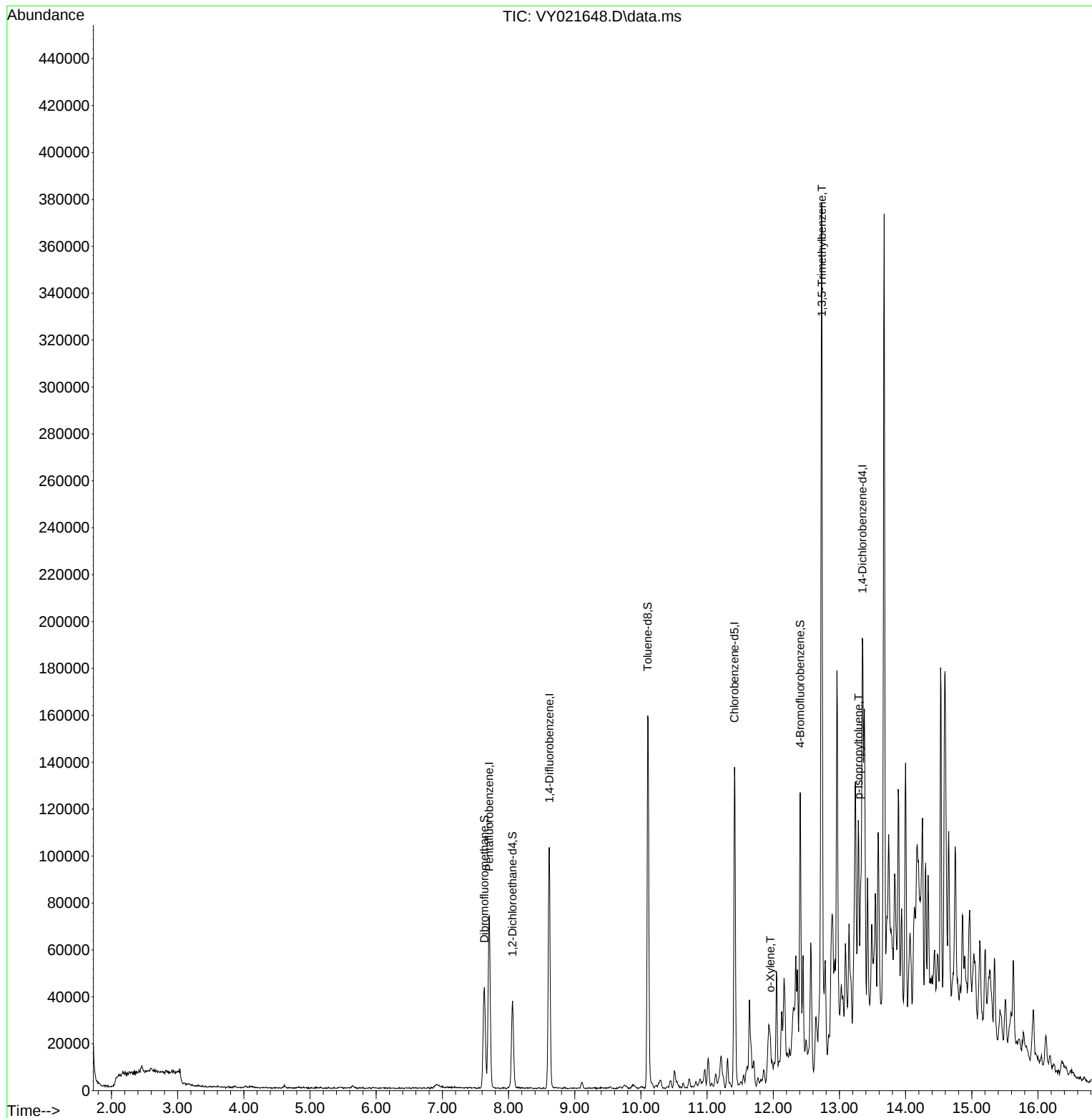
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 53776    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 84723    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 73211    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 28659    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 28192    | 49.601   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 99.200%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 30838    | 55.375   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 110.740% |
| 50) Toluene-d8              | 10.103 | 98    | 101262   | 48.024   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 96.040%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 31422    | 43.809   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 87.620%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 69) o-Xylene                | 11.957 | 106   | 2950     | 2.778    | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 12.737 | 105   | 27923    | 15.220   | ug/l   | 99       |
| 86) p-Isopropyltoluene      | 13.292 | 119   | 10489    | 5.228    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

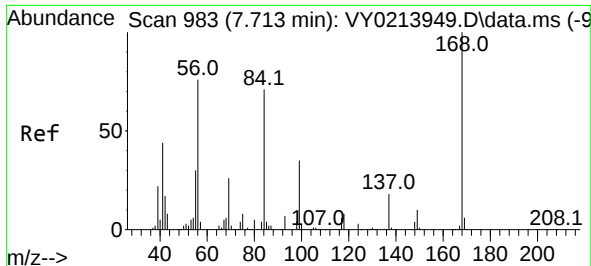
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032625\  
Data File : VY021648.D  
Acq On : 26 Mar 2025 15:47  
Operator : SY/MD  
Sample : Q1637-03  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-032525

Quant Time: Mar 27 01:32:25 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

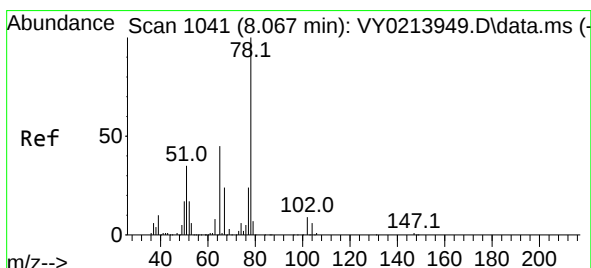
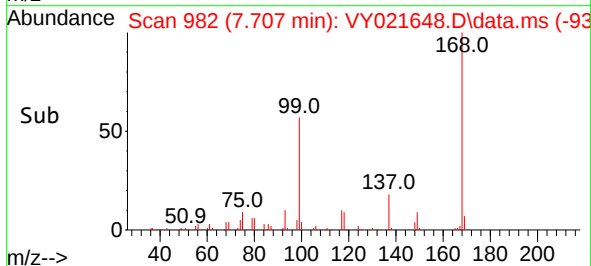
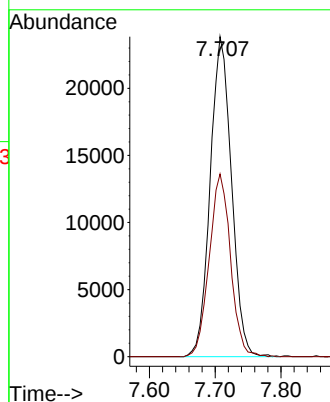
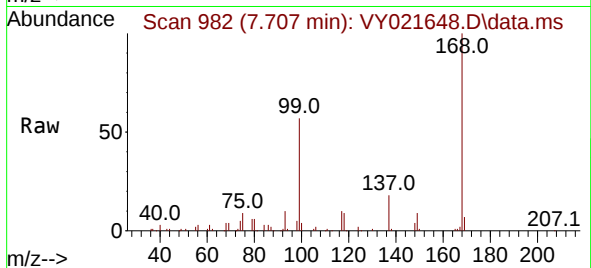




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021648.D  
Acq: 26 Mar 2025 15:47

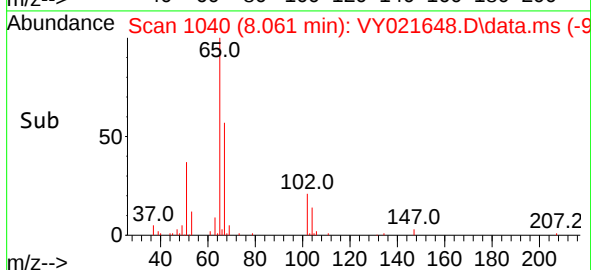
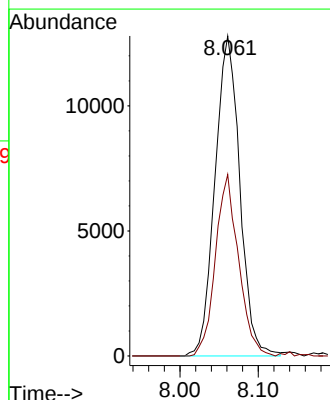
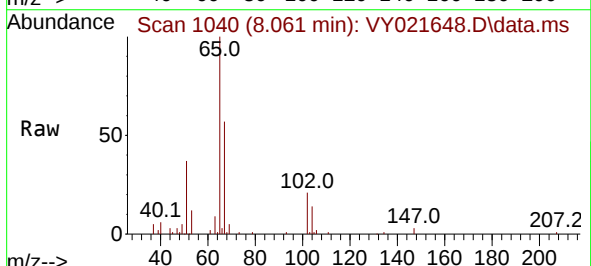
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-032525

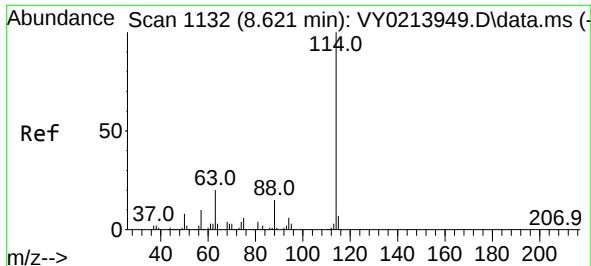
Tgt Ion:168 Resp: 53776  
Ion Ratio Lower Upper  
168 100  
99 57.1 46.0 69.0



#33  
1,2-Dichloroethane-d4  
Concen: 49.601 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY021648.D  
Acq: 26 Mar 2025 15:47

Tgt Ion: 65 Resp: 28192  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 102.8

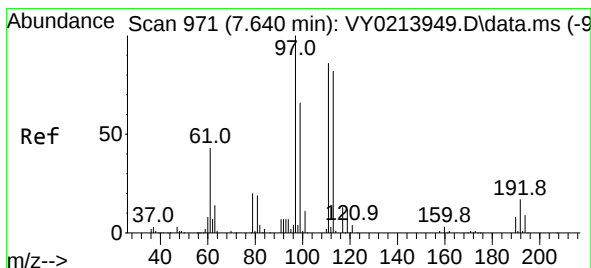
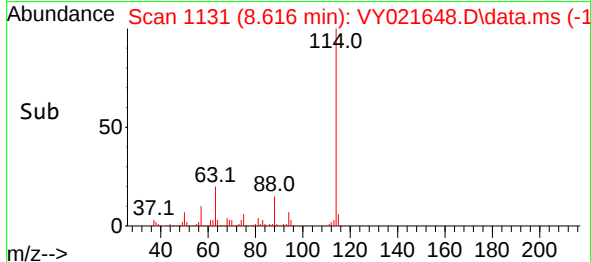
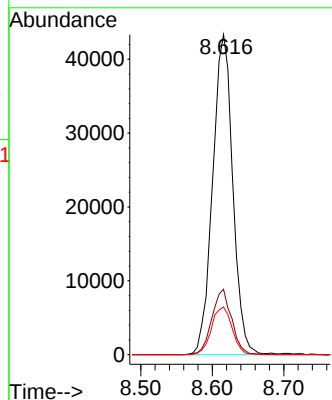
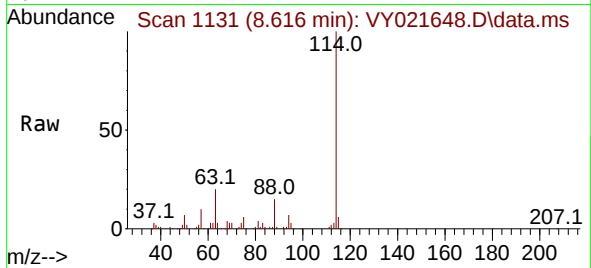




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1132  
Delta R.T. -0.006 min  
Lab File: VY021648.D  
Acq: 26 Mar 2025 15:47

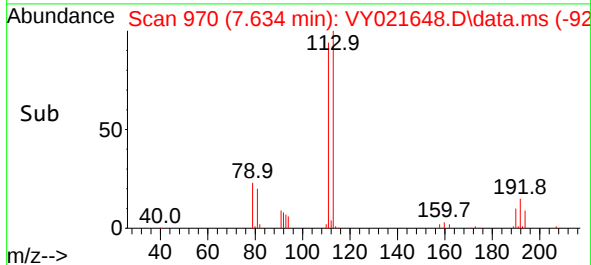
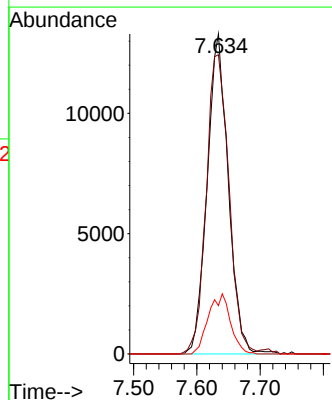
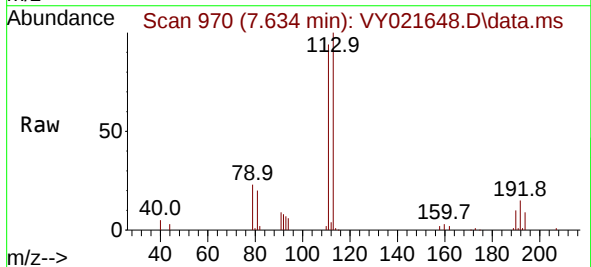
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-032525

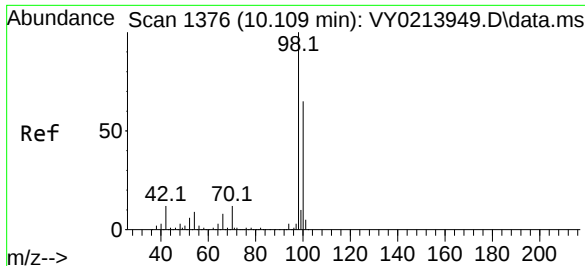
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 84723    |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 20.4  | 0.0 40.8 |
| 88          | 14.9  | 0.0 30.8 |



#35  
Dibromofluoromethane  
Concen: 55.375 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.006 min  
Lab File: VY021648.D  
Acq: 26 Mar 2025 15:47

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 30838      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 100.3 | 82.0 123.0 |
| 192         | 19.7  | 15.9 23.9  |

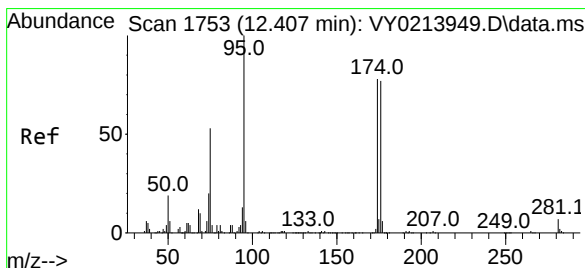
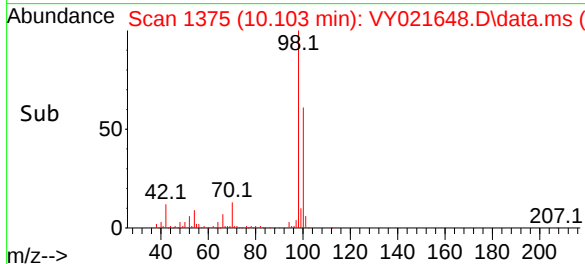
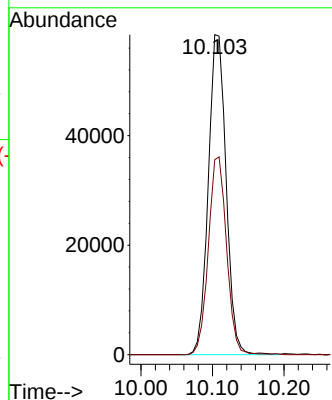
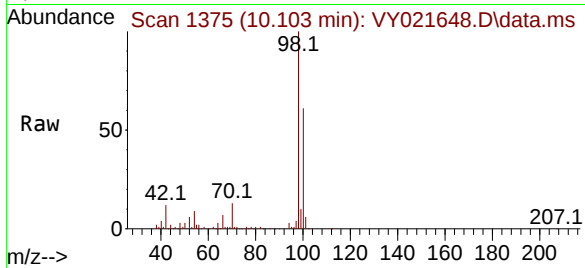




#50  
Toluene-d8  
Concen: 48.024 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY021648.D  
Acq: 26 Mar 2025 15:47

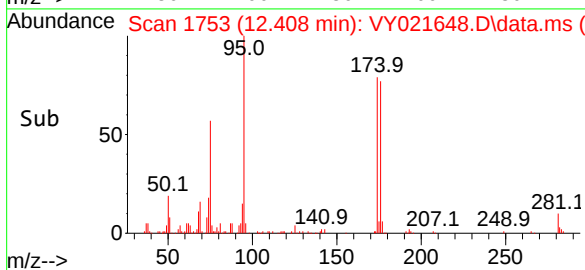
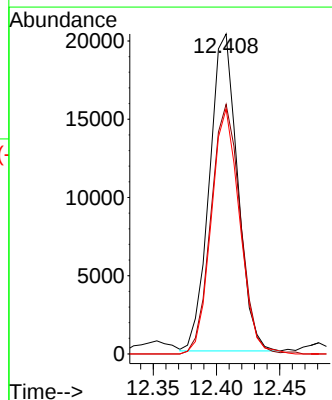
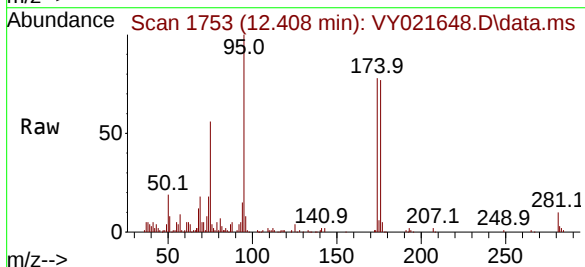
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-032525

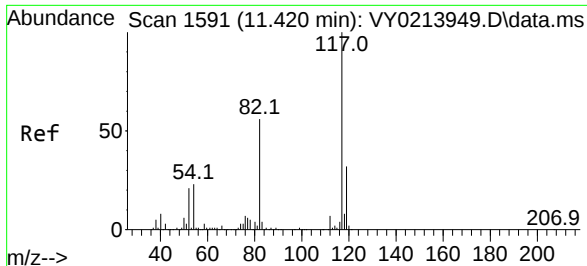
Tgt Ion: 98 Resp: 101262  
Ion Ratio Lower Upper  
98 100  
100 63.2 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 43.809 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021648.D  
Acq: 26 Mar 2025 15:47

Tgt Ion: 95 Resp: 31422  
Ion Ratio Lower Upper  
95 100  
174 81.9 0.0 165.0  
176 77.7 0.0 160.0

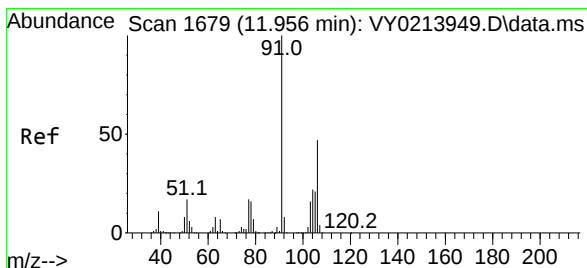
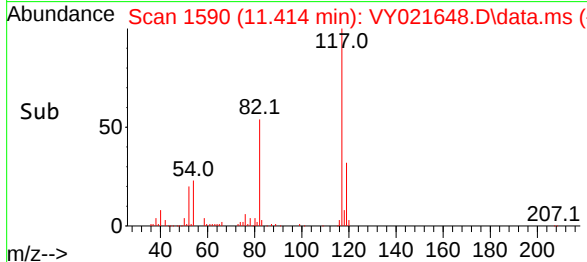
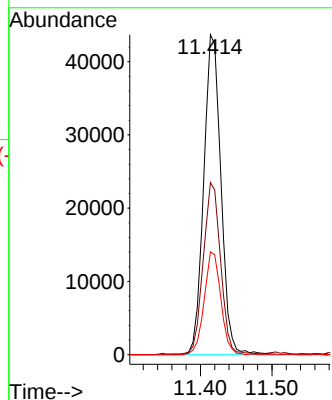
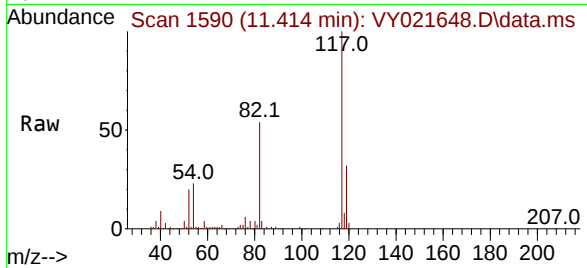




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1170  
Delta R.T. -0.006 min  
Lab File: VY021648.D  
Acq: 26 Mar 2025 15:47

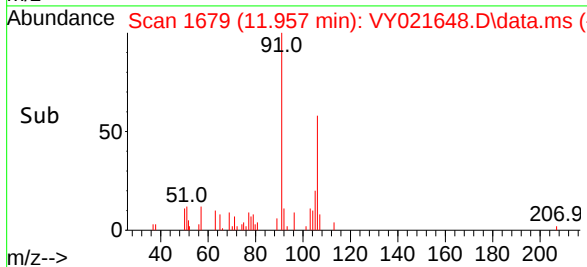
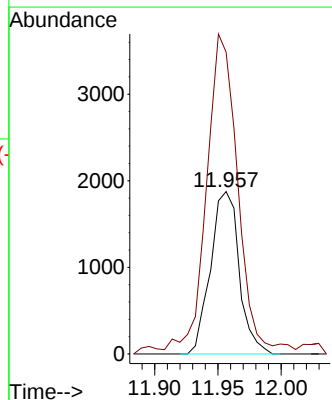
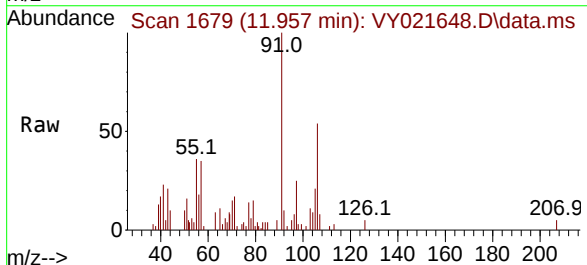
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-032525

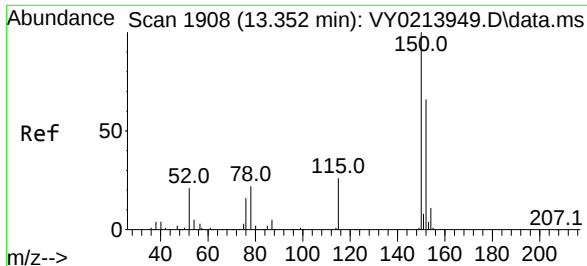
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:117 | Resp: | 73211     |
| Ion Ratio   | Lower | Upper     |
| 117         | 100   |           |
| 82          | 53.5  | 44.6 67.0 |
| 119         | 32.2  | 25.4 38.0 |



#69  
o-Xylene  
Concen: 2.778 ug/l  
RT: 11.957 min Scan# 1679  
Delta R.T. 0.000 min  
Lab File: VY021648.D  
Acq: 26 Mar 2025 15:47

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:106 | Resp: | 2950        |
| Ion Ratio   | Lower | Upper       |
| 106         | 100   |             |
| 91          | 219.9 | 107.6 322.8 |

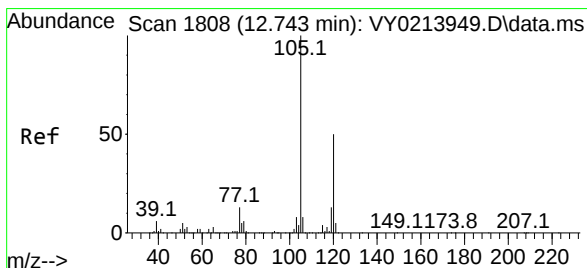
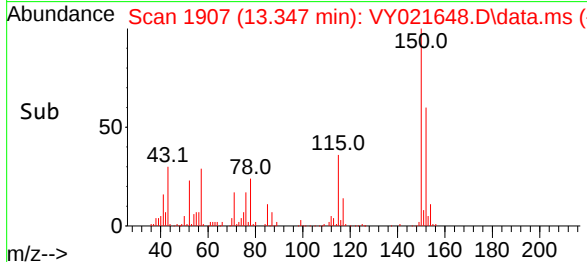
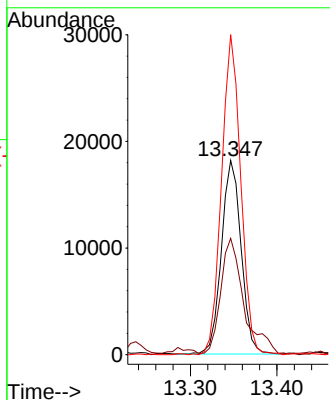
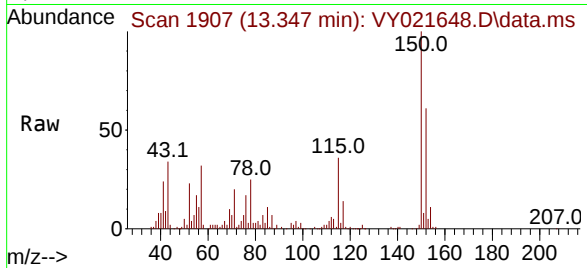




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.347 min Scan# 1908  
 Delta R.T. -0.006 min  
 Lab File: VY021648.D  
 Acq: 26 Mar 2025 15:47

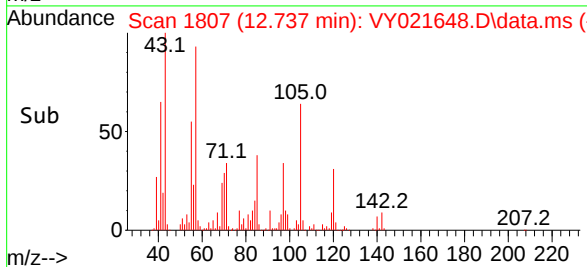
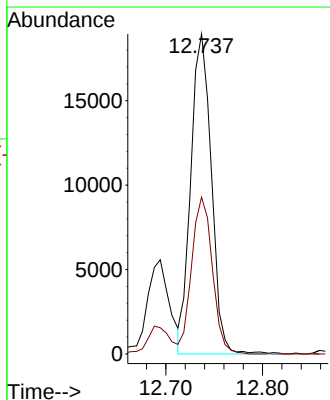
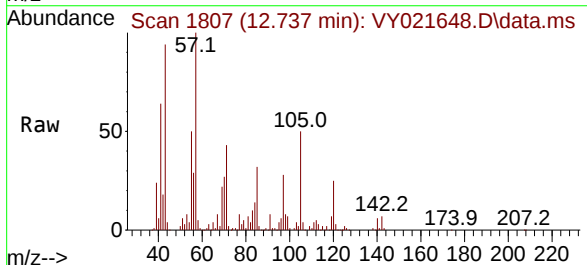
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-02-032525

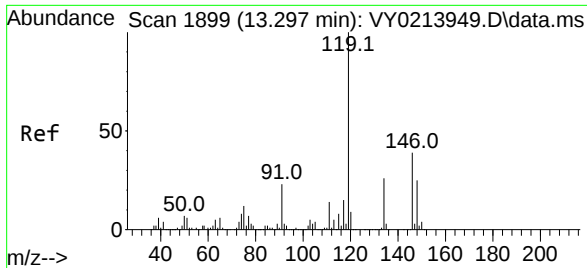
Tgt Ion:152 Resp: 28659  
 Ion Ratio Lower Upper  
 152 100  
 115 70.8 29.0 87.0  
 150 161.4 0.0 347.2



#80  
 1,3,5-Trimethylbenzene  
 Concen: 15.220 ug/l  
 RT: 12.737 min Scan# 1807  
 Delta R.T. -0.006 min  
 Lab File: VY021648.D  
 Acq: 26 Mar 2025 15:47

Tgt Ion:105 Resp: 27923  
 Ion Ratio Lower Upper  
 105 100  
 120 49.5 24.6 73.6





#86  
 p-Isopropyltoluene  
 Concen: 5.228 ug/l  
 RT: 13.292 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: VY021648.D  
 Acq: 26 Mar 2025 15:47

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-02-032525

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:119 | Resp: | 10489       |
| Ion         | Ratio | Lower Upper |
| 119         | 100   |             |
| 134         | 25.6  | 13.1 39.1   |
| 91          | 23.6  | 12.2 36.6   |

