

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031425\  
 Data File : VY021537.D  
 Acq On : 14 Mar 2025 14:14  
 Operator : SY/MD  
 Sample : Q1547-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-620-JB-COMP-01

Quant Time: Mar 14 15:57:08 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  | 1439     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 2310     | 50.000 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 806      | 50.000 | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 316      | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 1312     | 86.263   | ug/l | -0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 172.520%# |
| 35) Dibromofluoromethane    | 7.628  | 113   | 935      | 61.578   | ug/l | -0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 123.160%  |
| 50) Toluene-d8              | 10.109 | 98    | 1835     | 31.918   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 63.840%   |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 473      | 24.187   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 48.380%   |

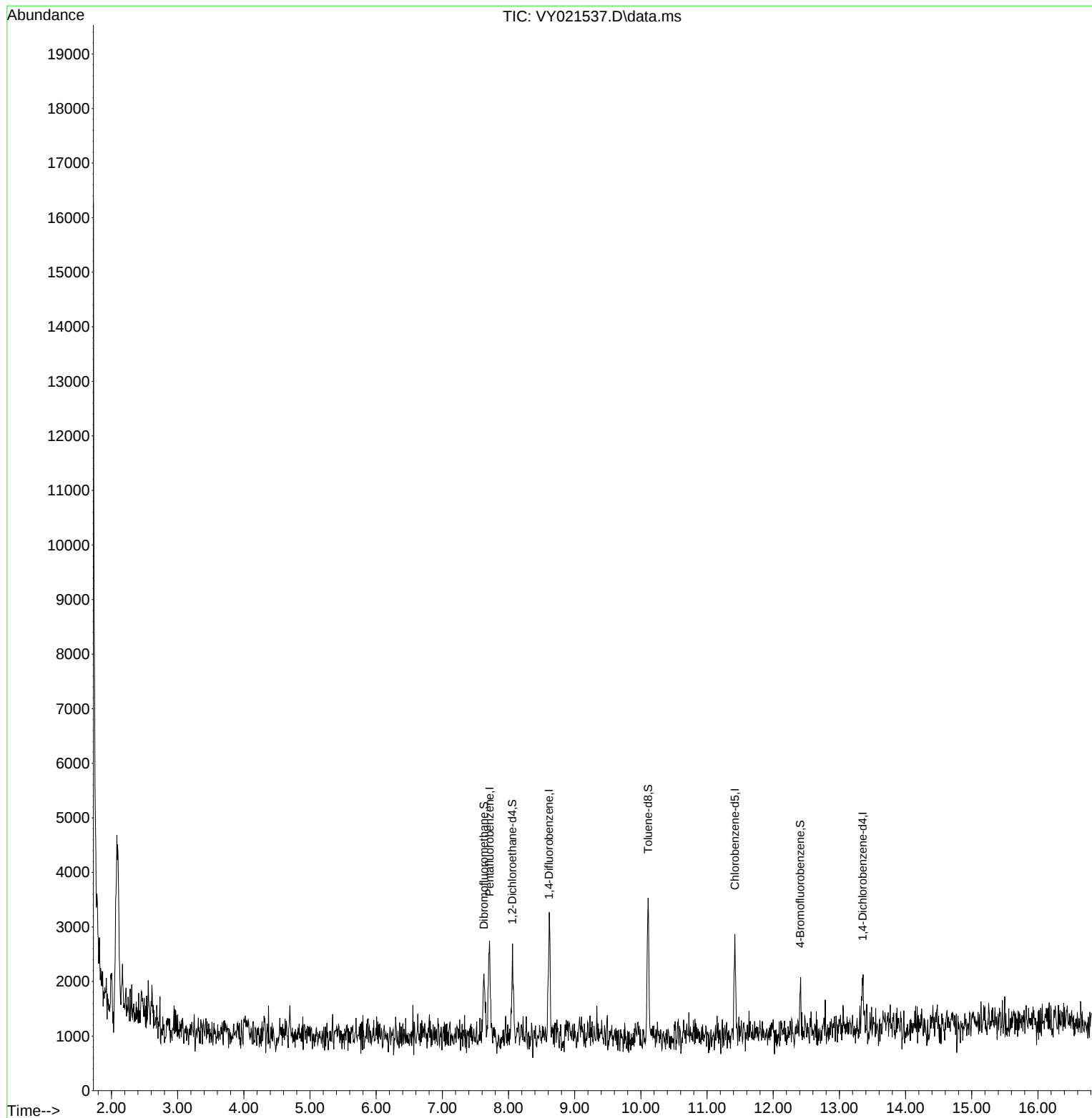
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

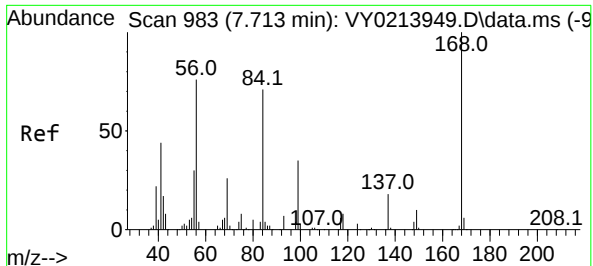
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

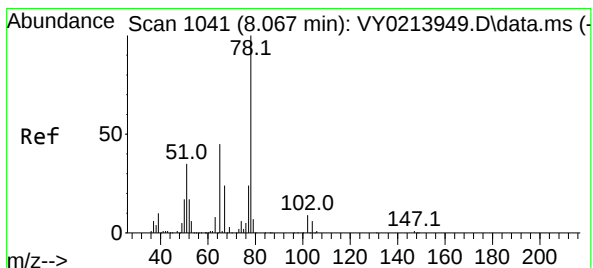
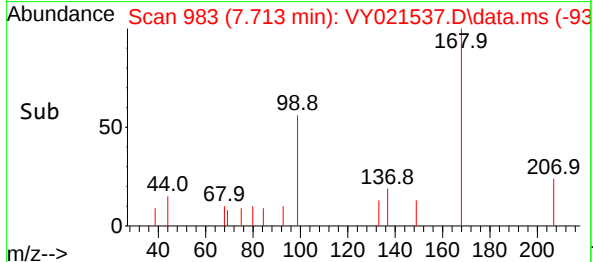
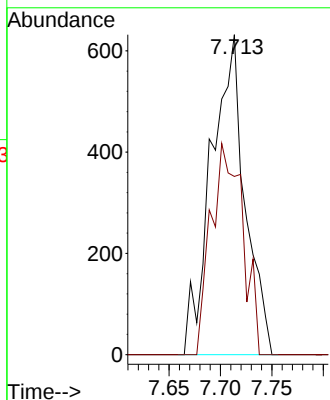
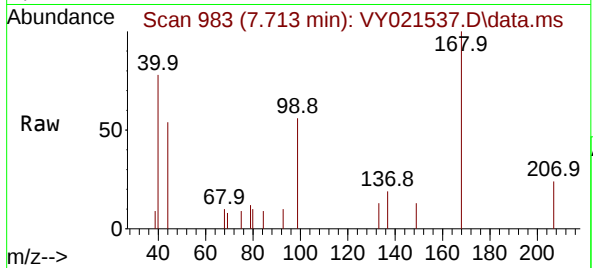




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021537.D  
Acq: 14 Mar 2025 14:14

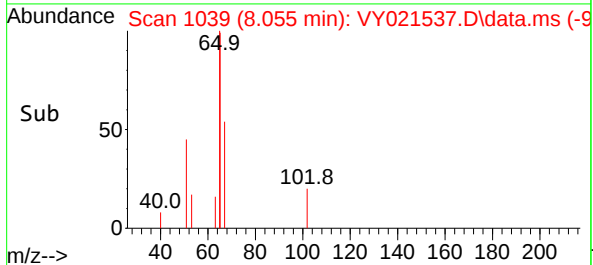
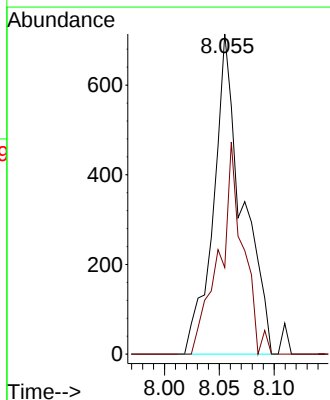
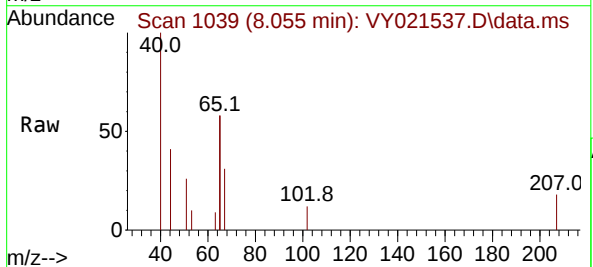
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-620-JB-COMP-01

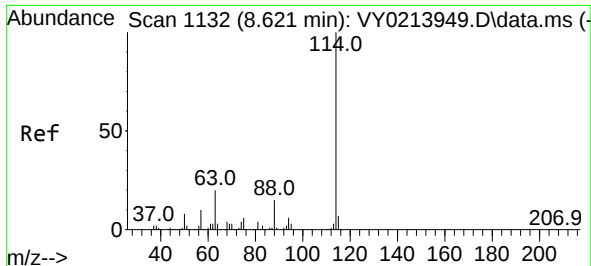
Tgt Ion:168 Resp: 1439  
Ion Ratio Lower Upper  
168 100  
99 55.7 46.0 69.0



#33  
1,2-Dichloroethane-d4  
Concen: 86.263 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.012 min  
Lab File: VY021537.D  
Acq: 14 Mar 2025 14:14

Tgt Ion: 65 Resp: 1312  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY021537.D

Acq: 14 Mar 2025 14:14

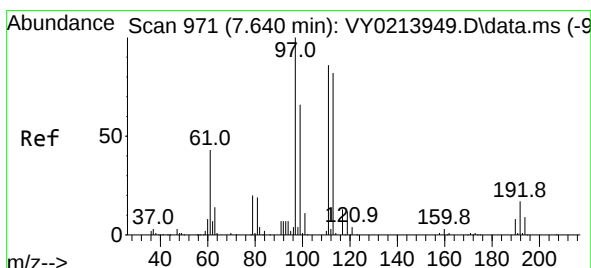
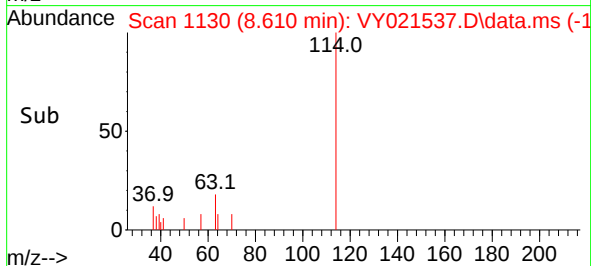
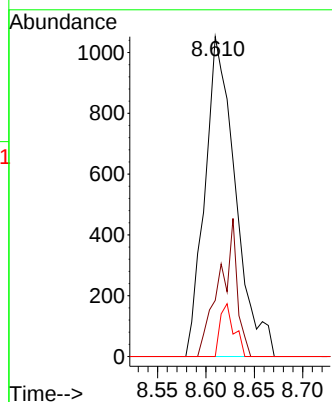
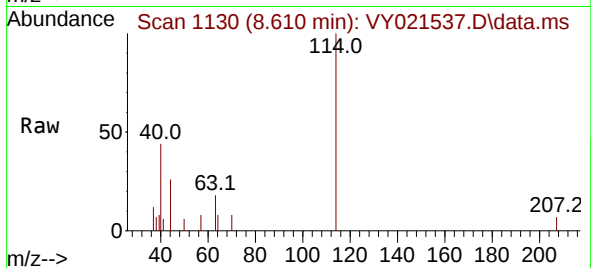
Instrument :

MSVOA\_Y

ClientSampleId :

OR-620-JB-COMP-01

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 2310        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 17.6  | 0.0 40.8    |
| 88          | 0.0   | 0.0 30.8    |



#35

Dibromofluoromethane

Concen: 61.578 ug/l

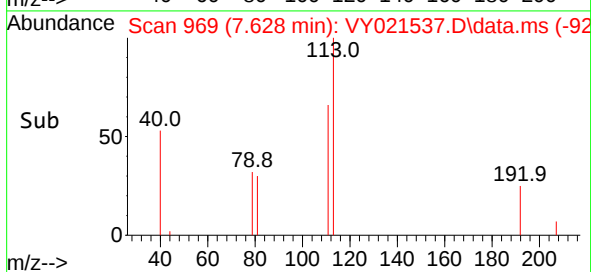
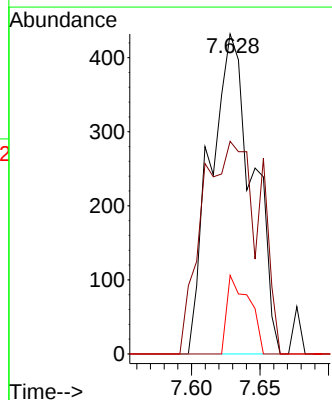
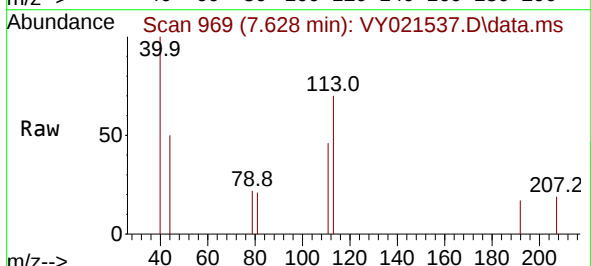
RT: 7.628 min Scan# 969

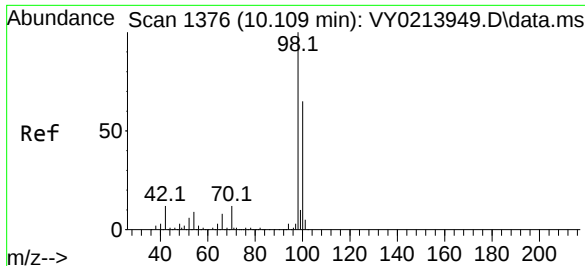
Delta R.T. -0.012 min

Lab File: VY021537.D

Acq: 14 Mar 2025 14:14

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 935         |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 88.9  | 82.0 123.0  |
| 192         | 12.8  | 15.9 23.9   |

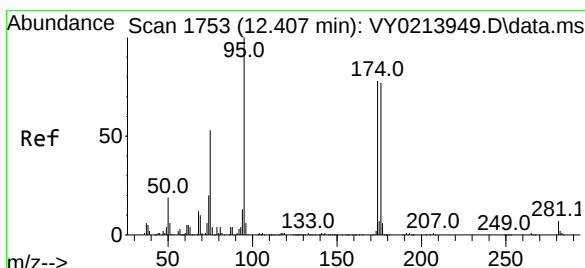
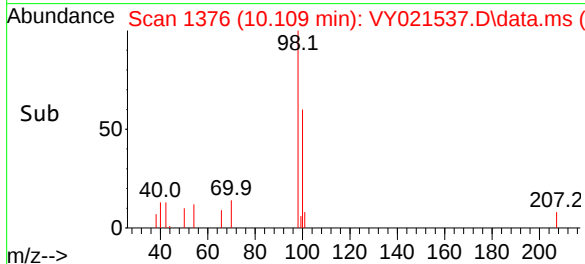
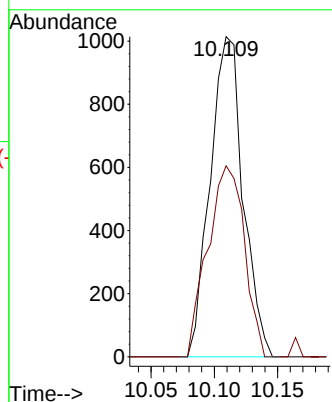
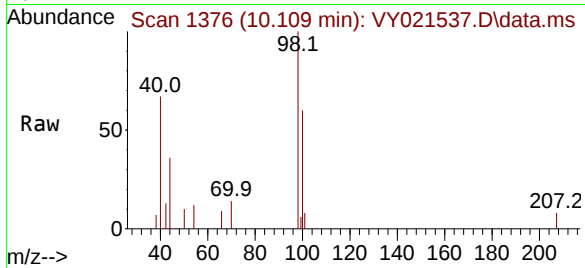




#50  
Toluene-d8  
Concen: 31.918 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021537.D  
Acq: 14 Mar 2025 14:14

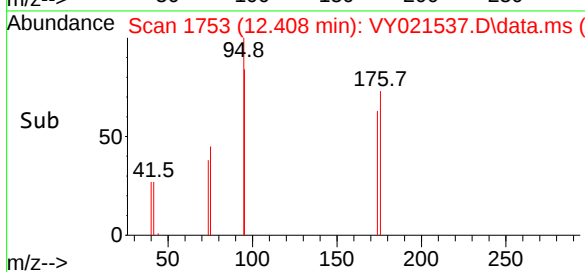
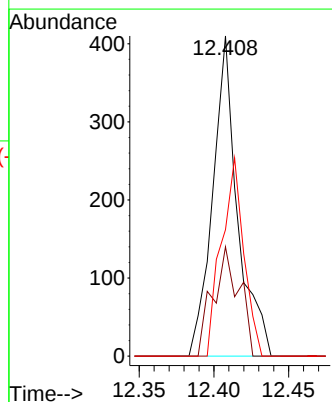
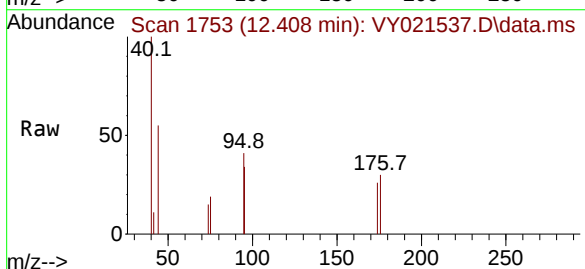
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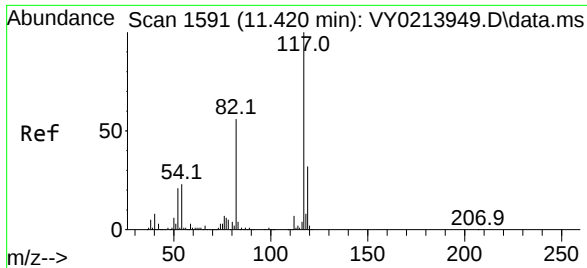
Tgt Ion: 98 Resp: 1835  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 24.187 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021537.D  
Acq: 14 Mar 2025 14:14

Tgt Ion: 95 Resp: 473  
Ion Ratio Lower Upper  
95 100  
174 35.7 0.0 165.0  
176 55.8 0.0 160.0

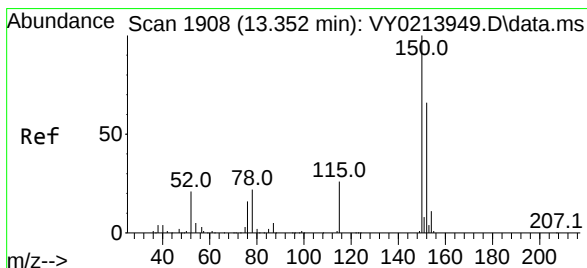
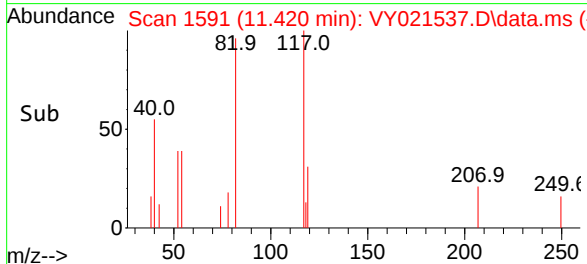
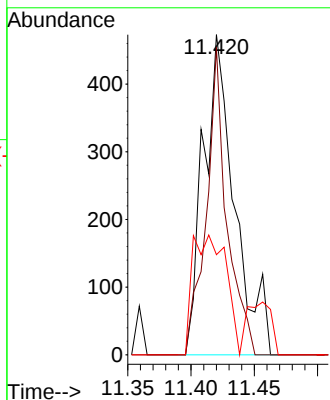
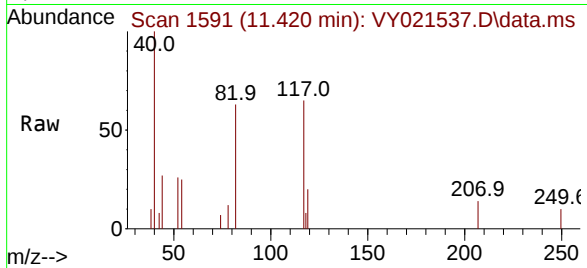




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021537.D  
Acq: 14 Mar 2025 14:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-620-JB-COMP-01

Tgt Ion:117 Resp: 806  
Ion Ratio Lower Upper  
117 100  
82 96.0 44.6 67.0#  
119 31.3 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.353 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VY021537.D  
Acq: 14 Mar 2025 14:14

Tgt Ion:152 Resp: 316  
Ion Ratio Lower Upper  
152 100  
115 45.9 29.0 87.0  
150 174.7 0.0 347.2

