

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042525\  
 Data File : VY022007.D  
 Acq On : 25 Apr 2025 14:15  
 Operator : SY/MD  
 Sample : Q1874-03  
 Misc : 4.42g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT1491

Quant Time: Apr 25 22:56:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 299470   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 562629   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 489892   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 185990   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 137913   | 49.857   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.720% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 185508   | 49.908   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.820% |
| 50) Toluene-d8              | 10.103 | 98    | 676499   | 48.276   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.560% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 181103   | 38.390   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 76.780% |

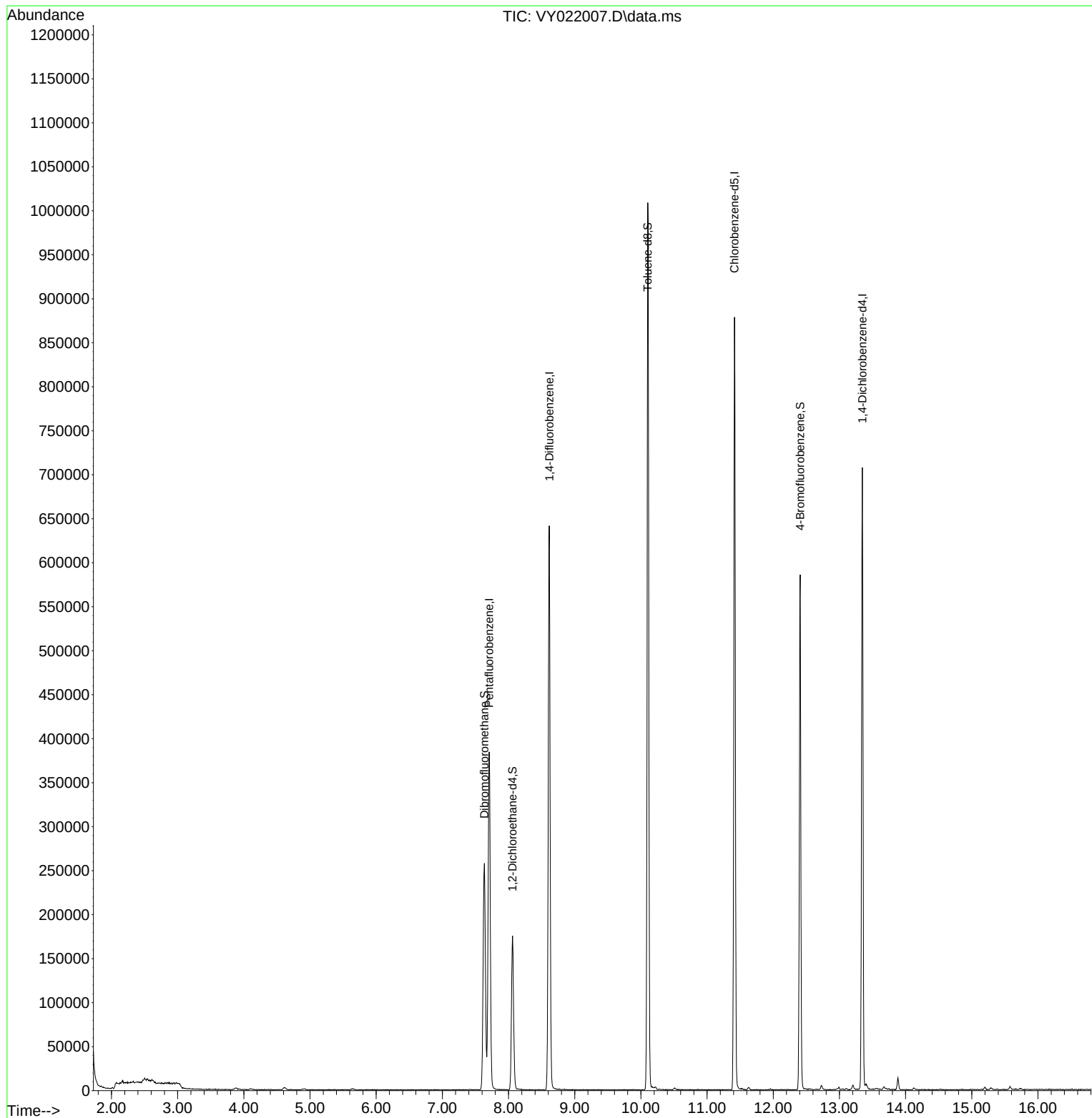
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

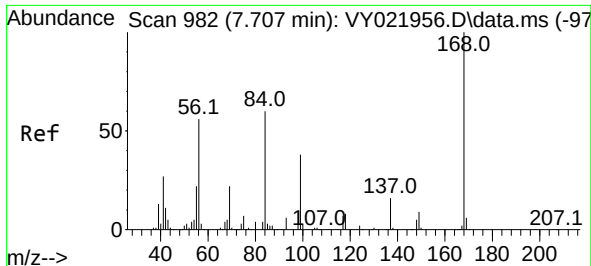
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 23 02:30:30 2025  
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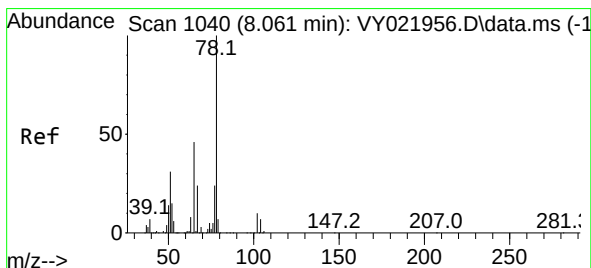
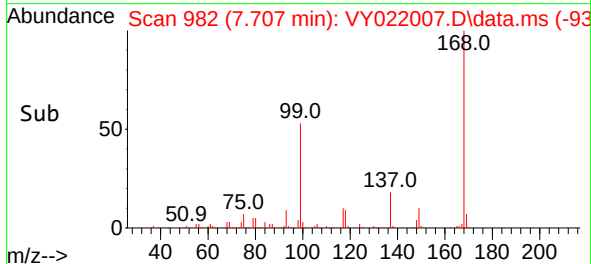
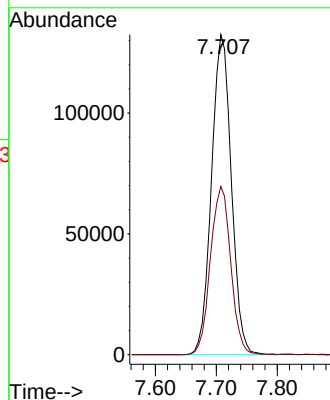
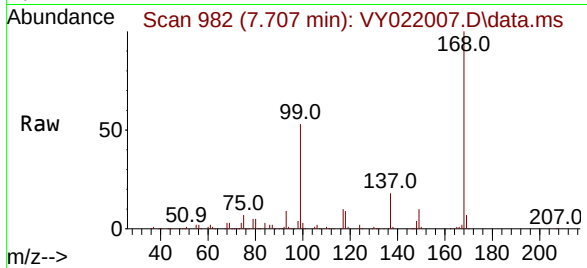




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022007.D  
Acq: 25 Apr 2025 14:15

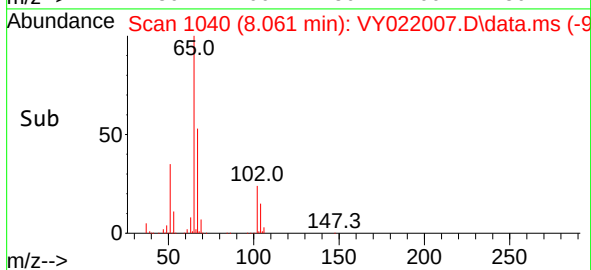
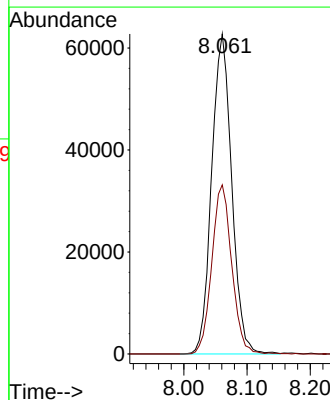
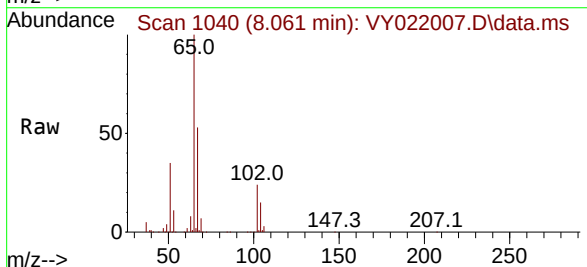
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT1491

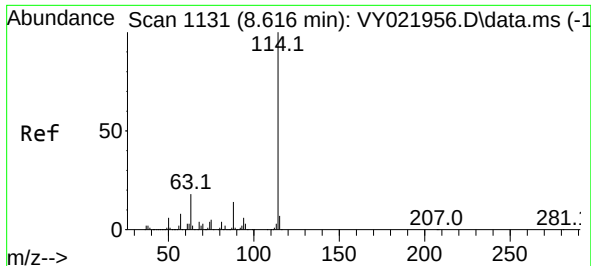
Tgt Ion:168 Resp: 299470  
Ion Ratio Lower Upper  
168 100  
99 52.6 43.1 64.7



#33  
1,2-Dichloroethane-d4  
Concen: 49.857 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY022007.D  
Acq: 25 Apr 2025 14:15

Tgt Ion: 65 Resp: 137913  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 105.8

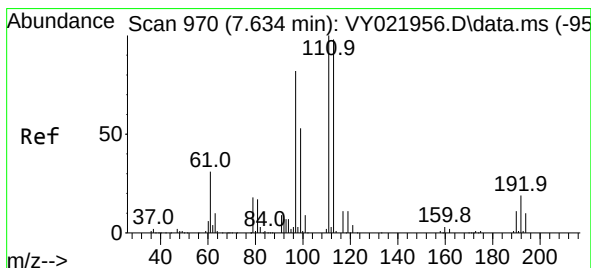
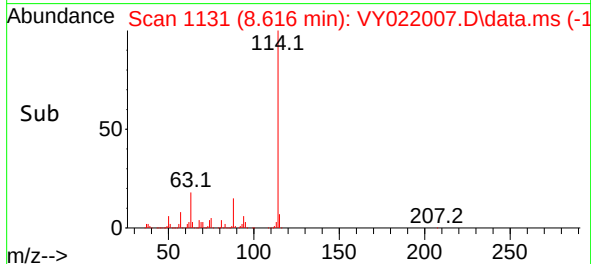
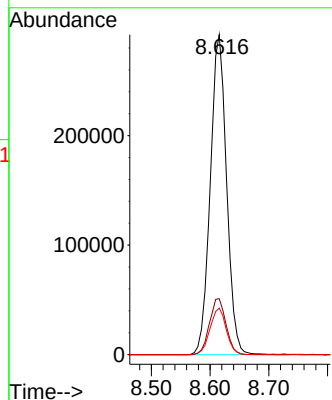
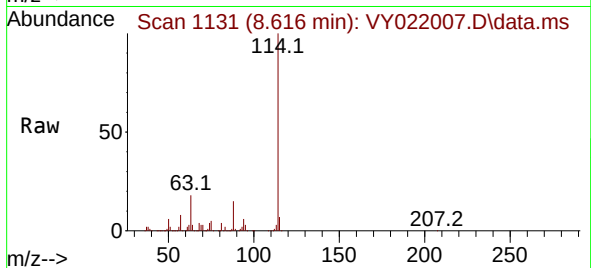




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY022007.D  
Acq: 25 Apr 2025 14:15

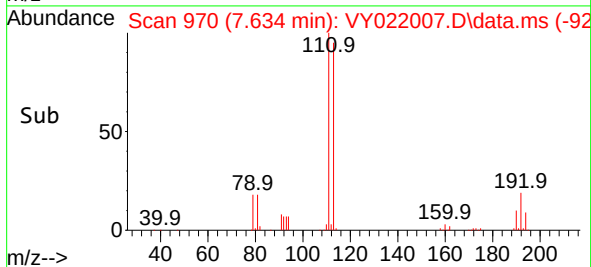
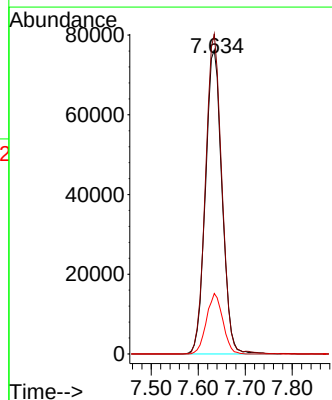
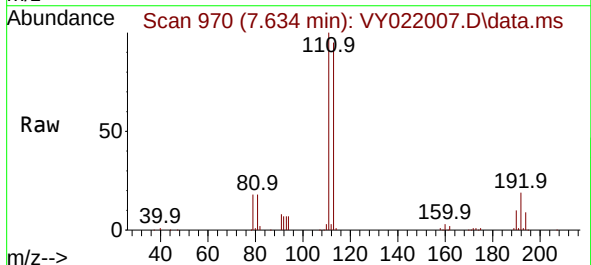
Instrument :  
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ClientSampleId :  
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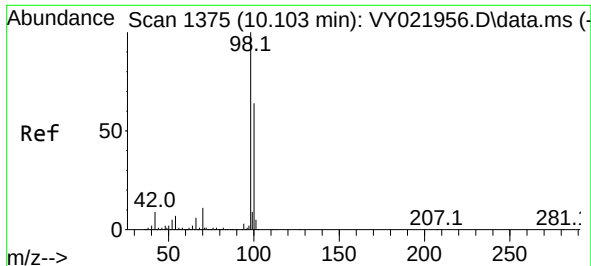
Tgt Ion:114 Resp: 562629  
Ion Ratio Lower Upper  
114 100  
63 17.5 0.0 35.4  
88 14.5 0.0 28.2



#35  
Dibromofluoromethane  
Concen: 49.908 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VY022007.D  
Acq: 25 Apr 2025 14:15

Tgt Ion:113 Resp: 185508  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.8 122.8  
192 19.7 15.6 23.4

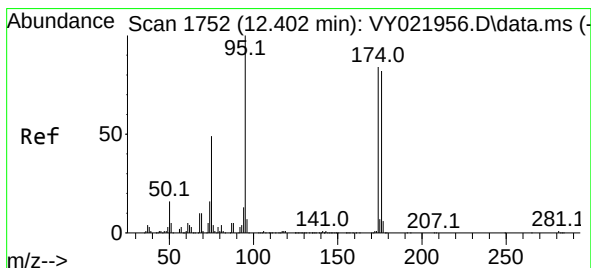
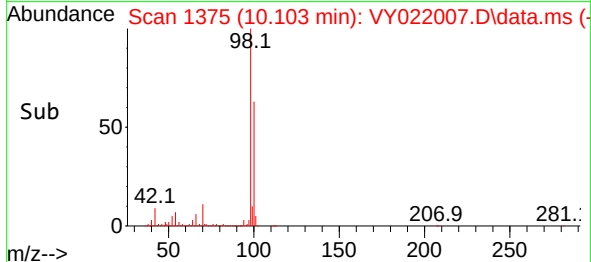
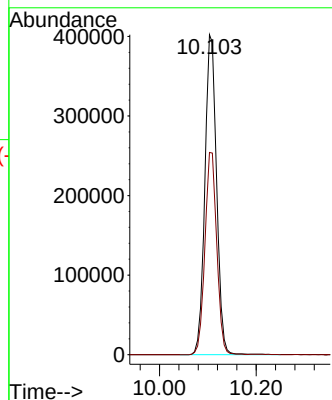
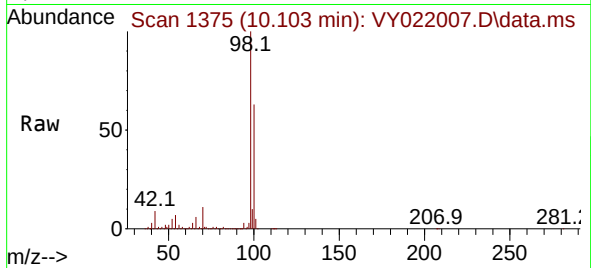




#50  
Toluene-d8  
Concen: 48.276 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022007.D  
Acq: 25 Apr 2025 14:15

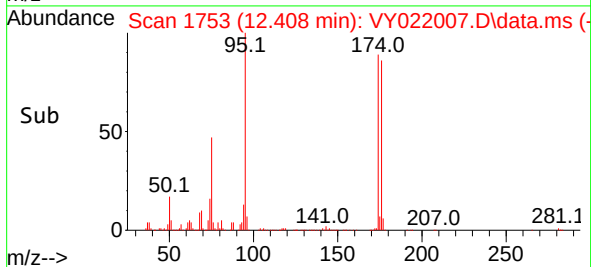
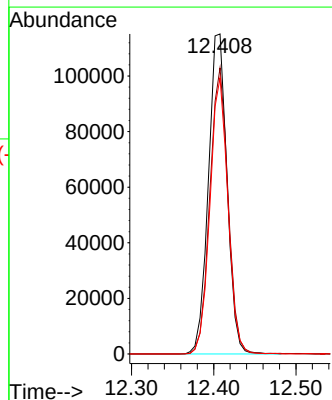
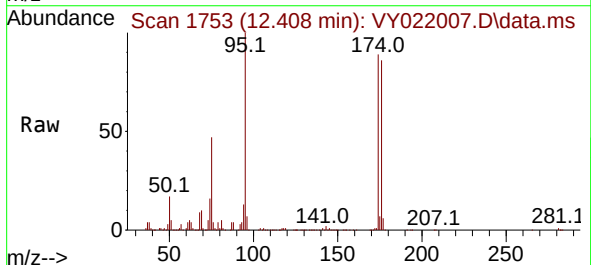
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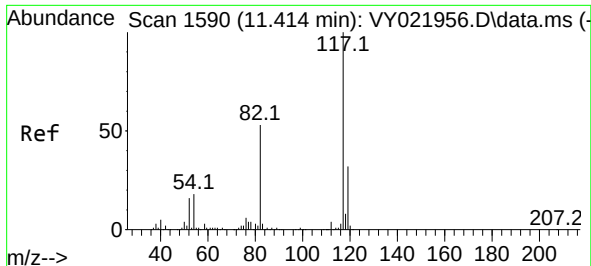
Tgt Ion: 98 Resp: 676499  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 38.390 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY022007.D  
Acq: 25 Apr 2025 14:15

Tgt Ion: 95 Resp: 181103  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 179.0  
176 83.3 0.0 171.8

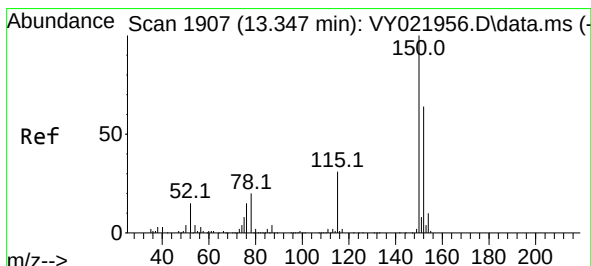
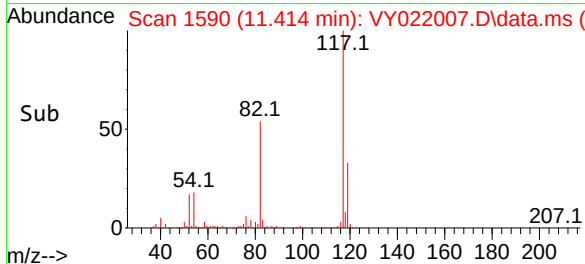
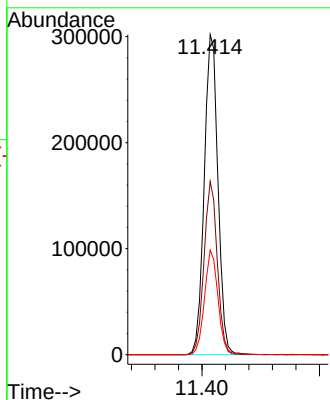
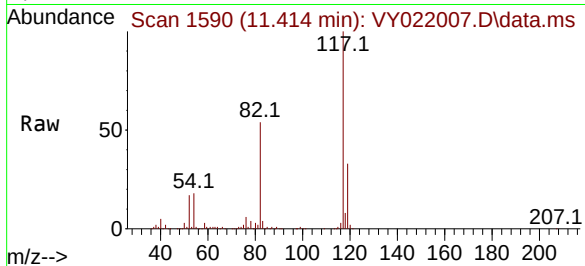




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY022007.D  
Acq: 25 Apr 2025 14:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT1491

Tgt Ion:117 Resp: 489892  
Ion Ratio Lower Upper  
117 100  
82 54.1 42.1 63.1  
119 32.7 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY022007.D  
Acq: 25 Apr 2025 14:15

Tgt Ion:152 Resp: 185990  
Ion Ratio Lower Upper  
152 100  
115 56.5 28.0 84.0  
150 156.6 0.0 345.6

