

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041224\  
 Data File : VY017924.D  
 Acq On : 12 Apr 2024 14:31  
 Operator : SY/MD  
 Sample : P2090-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-05-04112024

Quant Time: Apr 13 00:35:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032924S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 05:58:13 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 16410    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 20039    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 11956    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 1050     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 5664     | 39.887   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 79.780%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 5191     | 44.830   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 89.660%  |
| 50) Toluene-d8              | 10.179 | 98    | 19550    | 45.198   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 90.400%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 1855     | 14.096   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 28.200%# |

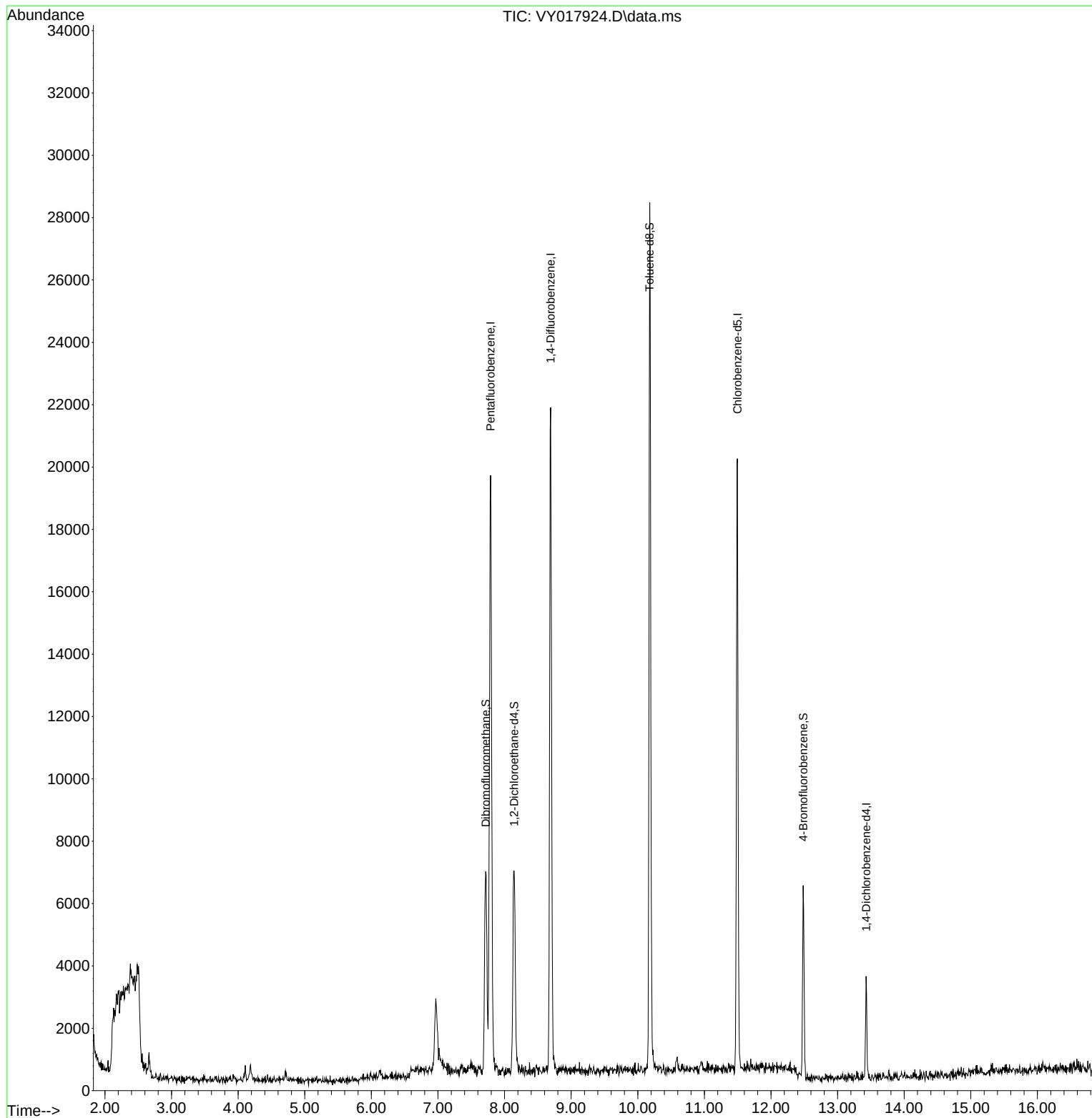
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

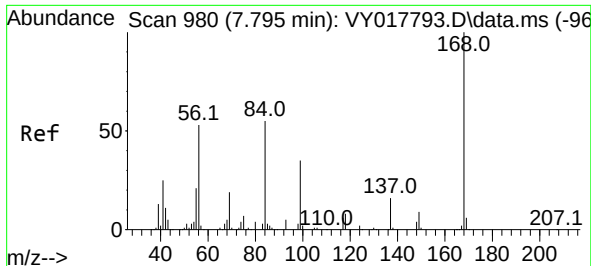
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Mar 30 05:58:13 2024  
Response via : Initial Calibration

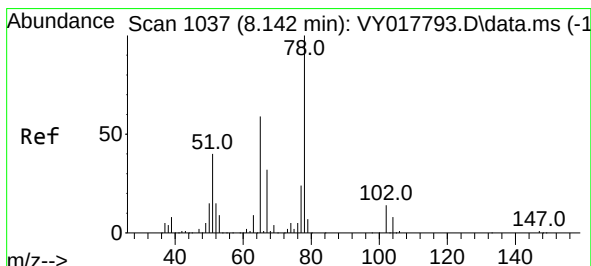
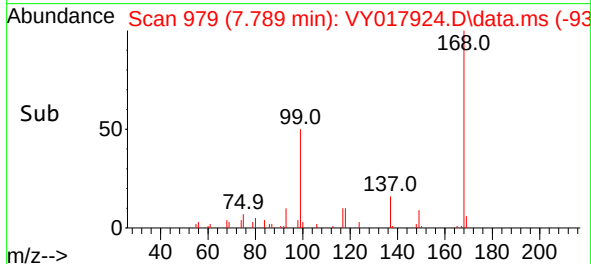
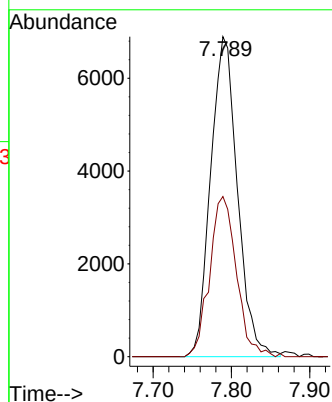
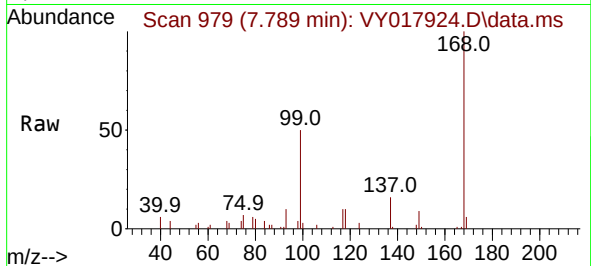




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017924.D  
Acq: 12 Apr 2024 14:31

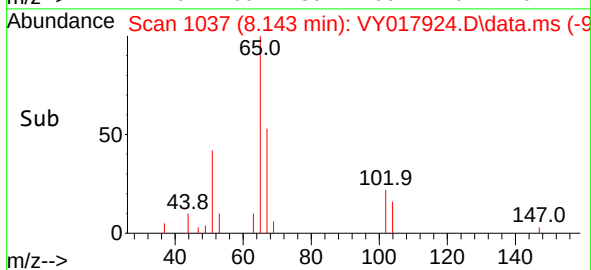
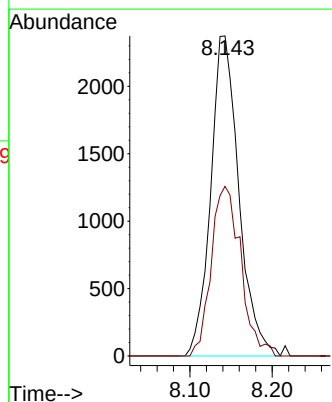
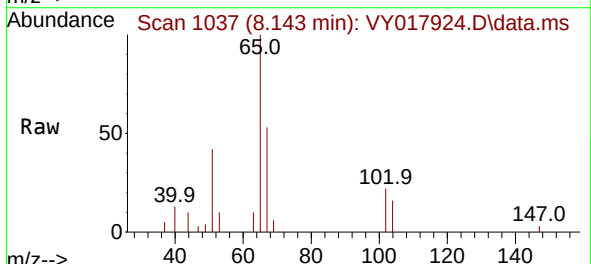
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-04112024

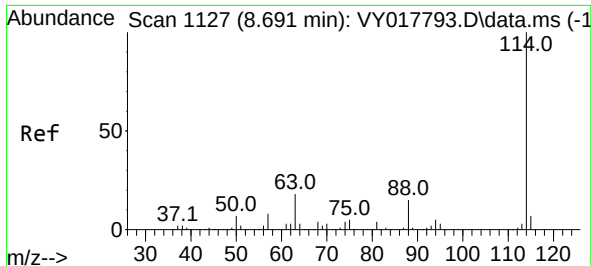
Tgt Ion:168 Resp: 16410  
Ion Ratio Lower Upper  
168 100  
99 50.1 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 39.887 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY017924.D  
Acq: 12 Apr 2024 14:31

Tgt Ion: 65 Resp: 5664  
Ion Ratio Lower Upper  
65 100  
67 55.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017924.D

Acq: 12 Apr 2024 14:31

Instrument :

MSVOA\_Y

ClientSampleId :

TR-05-04112024

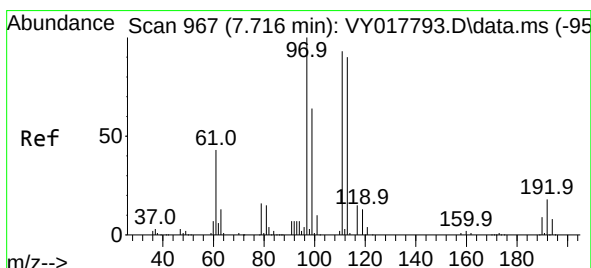
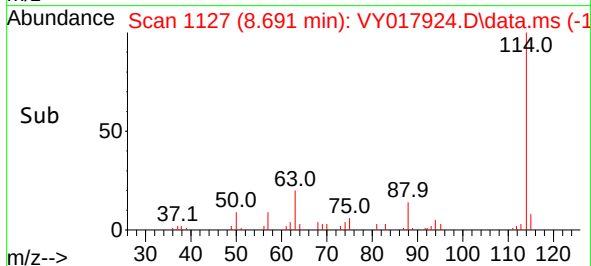
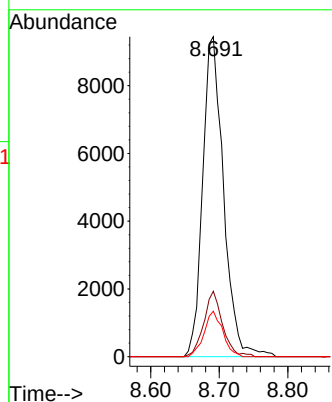
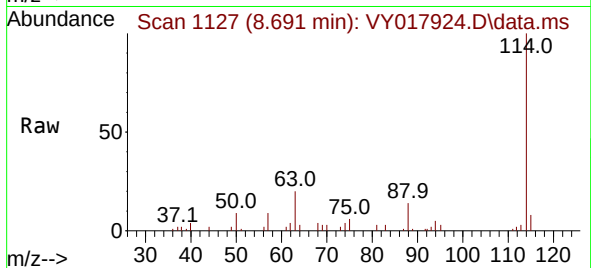
Tgt Ion:114 Resp: 20039

Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.0

88 14.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 44.830 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY017924.D

Acq: 12 Apr 2024 14:31

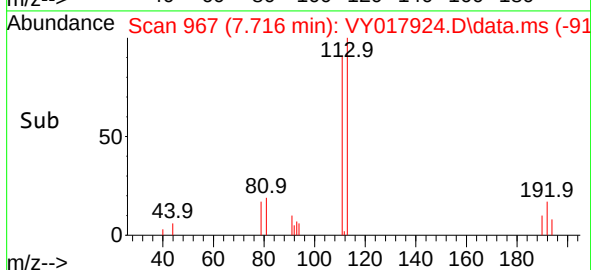
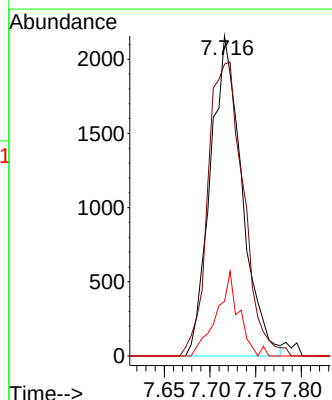
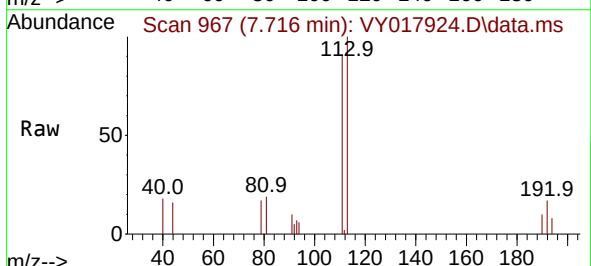
Tgt Ion:113 Resp: 5191

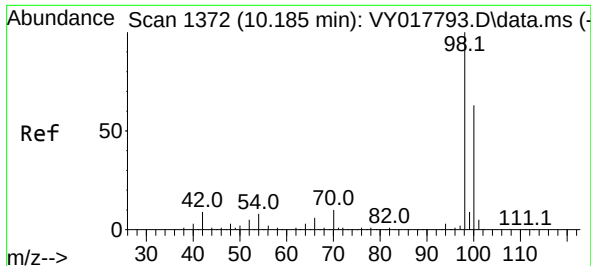
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 18.7 15.9 23.9

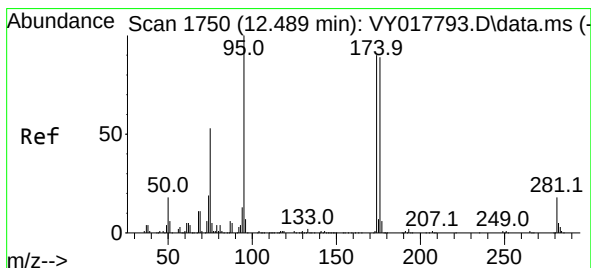
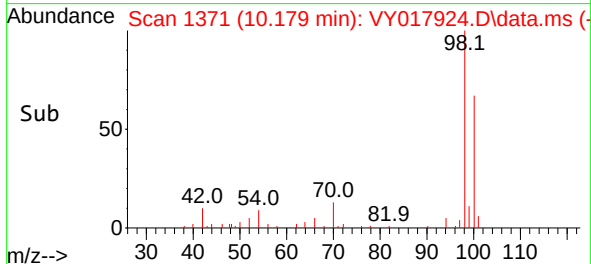
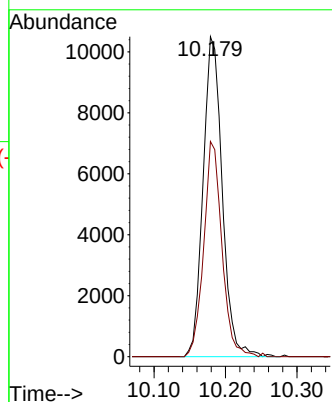
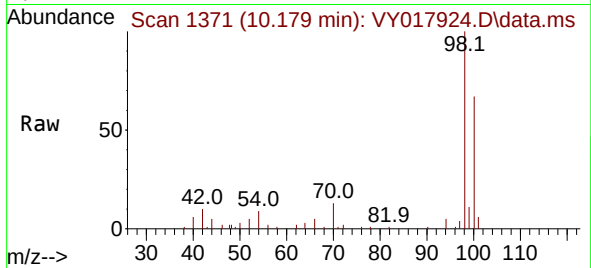




#50  
Toluene-d8  
Concen: 45.198 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY017924.D  
Acq: 12 Apr 2024 14:31

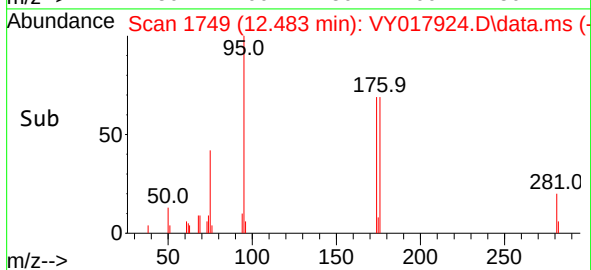
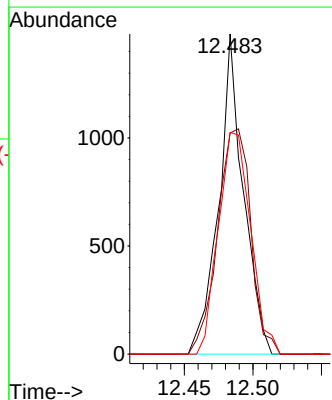
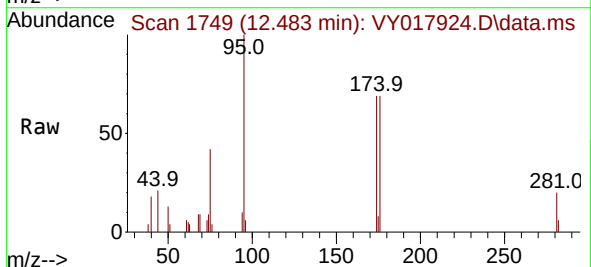
Instrument :  
MSVOA\_Y  
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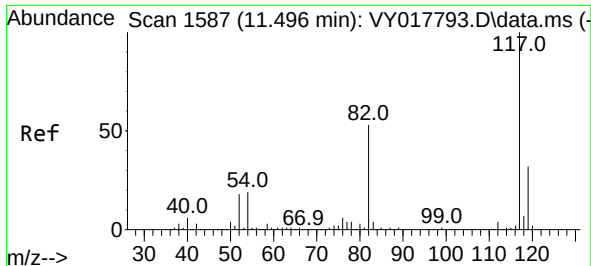
Tgt Ion: 98 Resp: 19550  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 14.096 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY017924.D  
Acq: 12 Apr 2024 14:31

Tgt Ion: 95 Resp: 1855  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 175.6  
176 90.6 0.0 171.4

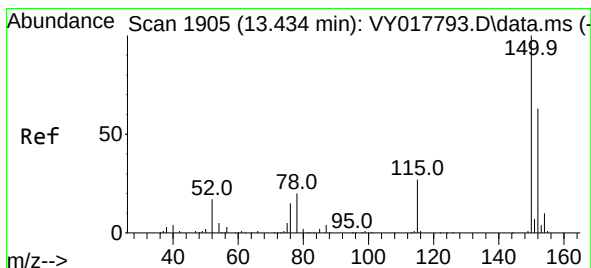
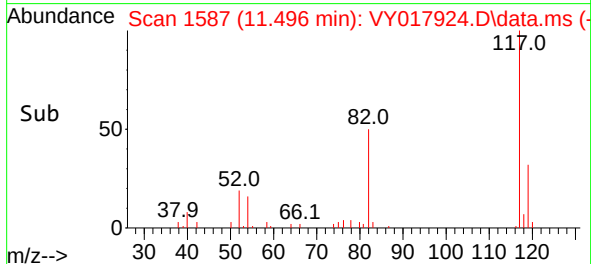
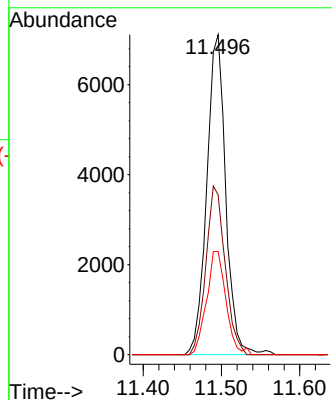
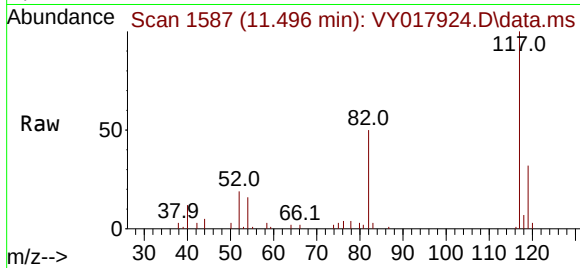




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017924.D  
Acq: 12 Apr 2024 14:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-04112024

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 11956       |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 50.0  | 42.4 63.6   |
| 119         | 32.2  | 25.9 38.9   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.006 min  
Lab File: VY017924.D  
Acq: 12 Apr 2024 14:31

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 1050        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 51.6  | 28.2 84.7   |
| 150         | 140.4 | 0.0 345.6   |

