

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121923\  
 Data File : VY016717.D  
 Acq On : 20 Dec 2023 00:44  
 Operator : SY/MD  
 Sample : 05827-08  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT-SB-08-15.5-16.5

Quant Time: Dec 20 06:43:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 20 05:26:40 2023  
 Response via : Initial Calibration

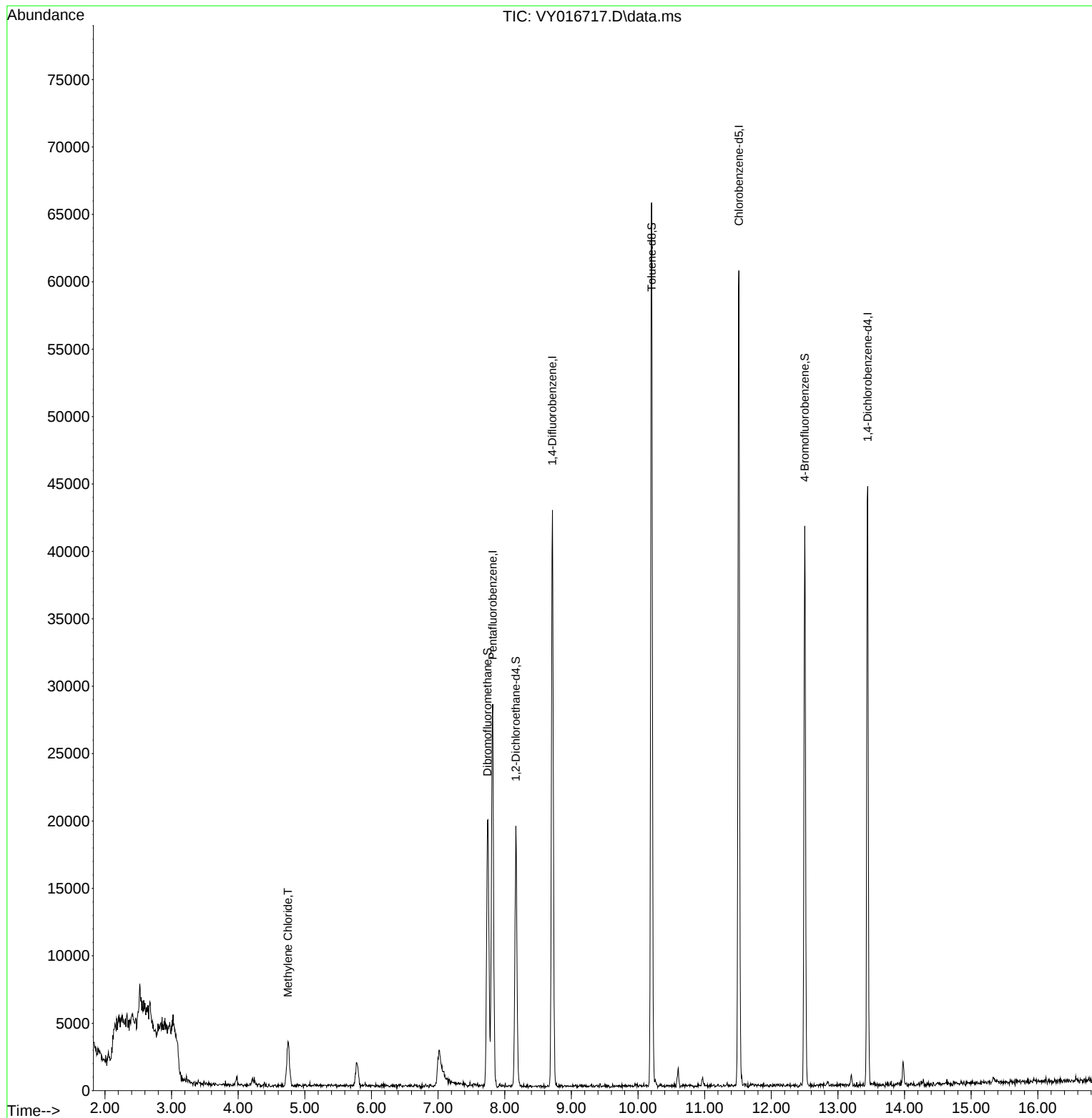
| Compound                    | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|----------|----------|
| -----                       |        |                |          |        |          |          |
| Internal Standards          |        |                |          |        |          |          |
| 1) Pentafluorobenzene       | 7.820  | 168            | 23085    | 50.000 | ug/l     | 0.02     |
| 34) 1,4-Difluorobenzene     | 8.716  | 114            | 37750    | 50.000 | ug/l     | 0.02     |
| 63) Chlorobenzene-d5        | 11.514 | 117            | 34133    | 50.000 | ug/l     | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 13.447 | 152            | 12440    | 50.000 | ug/l     | 0.01     |
| System Monitoring Compounds |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.167  | 65             | 14250    | 74.629 | ug/l     | 0.02     |
| Spiked Amount               | 50.000 | Range 50 - 163 | Recovery | =      | 149.260% |          |
| 35) Dibromofluoromethane    | 7.740  | 113            | 14369    | 64.628 | ug/l     | 0.01     |
| Spiked Amount               | 50.000 | Range 54 - 147 | Recovery | =      | 129.260% |          |
| 50) Toluene-d8              | 10.203 | 98             | 44939    | 55.811 | ug/l     | 0.02     |
| Spiked Amount               | 50.000 | Range 58 - 134 | Recovery | =      | 111.620% |          |
| 62) 4-Bromofluorobenzene    | 12.502 | 95             | 10670    | 46.605 | ug/l     | 0.01     |
| Spiked Amount               | 50.000 | Range 30 - 143 | Recovery | =      | 93.220%  |          |
| Target Compounds            |        |                |          |        |          |          |
|                             |        |                |          |        |          | Qvalue   |
| 20) Methylene Chloride      | 4.747  | 84             | 2353     | 6.860  | ug/l #   | 88       |
| -----                       |        |                |          |        |          |          |

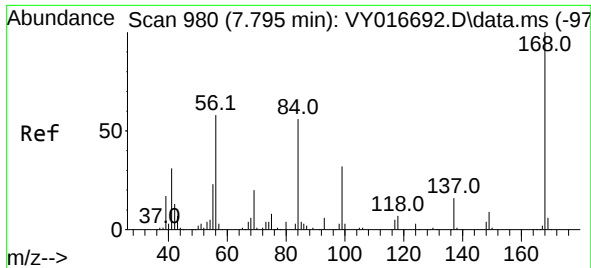
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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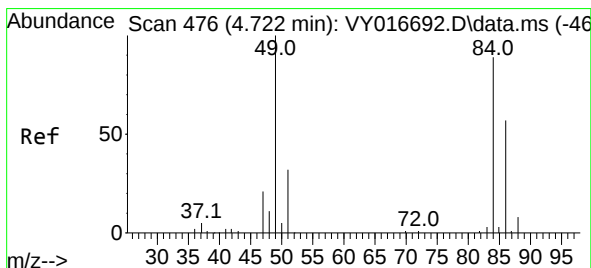
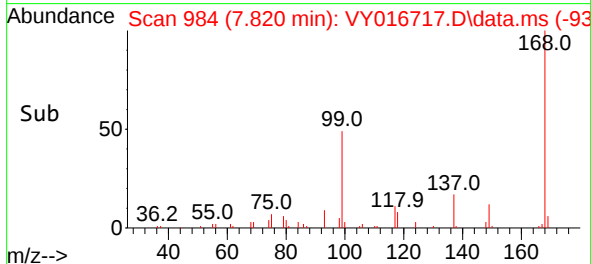
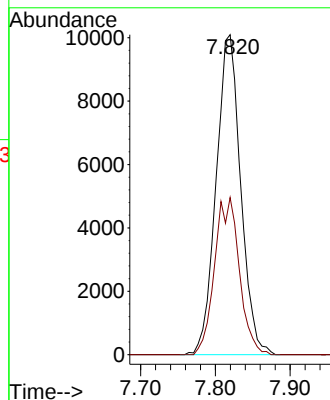
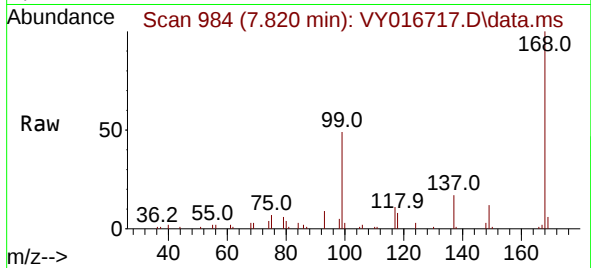




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.820 min Scan# 91  
Delta R.T. 0.025 min  
Lab File: VY016717.D  
Acq: 20 Dec 2023 00:44

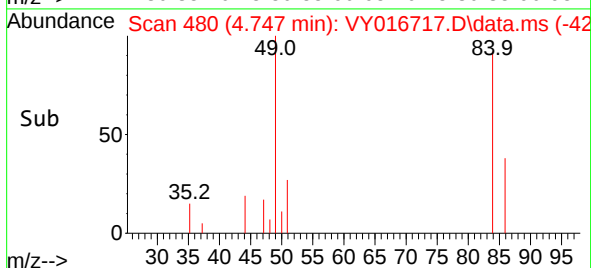
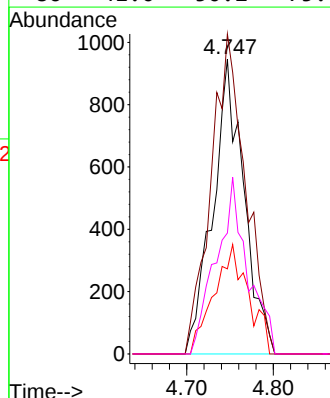
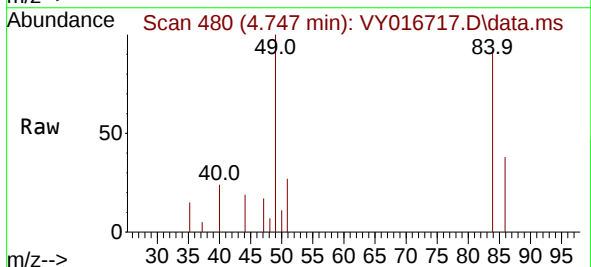
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT-SB-08-15.5-16.5

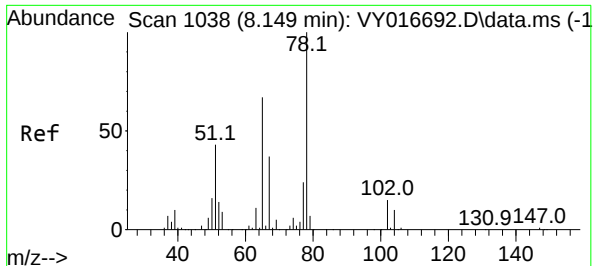
Tgt Ion:168 Resp: 23085  
Ion Ratio Lower Upper  
168 100  
99 49.1 40.2 60.4



#20  
Methylene Chloride  
Concen: 6.860 ug/l  
RT: 4.747 min Scan# 480  
Delta R.T. 0.025 min  
Lab File: VY016717.D  
Acq: 20 Dec 2023 00:44

Tgt Ion: 84 Resp: 2353  
Ion Ratio Lower Upper  
84 100  
49 108.6 83.8 125.8  
51 28.9 27.2 40.8  
86 41.0 50.2 75.4#





#33

1,2-Dichloroethane-d4

Concen: 74.629 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.018 min

Lab File: VY016717.D

Acq: 20 Dec 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

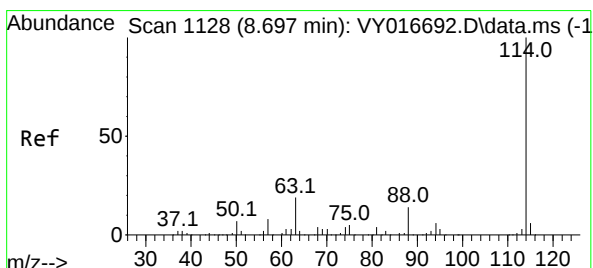
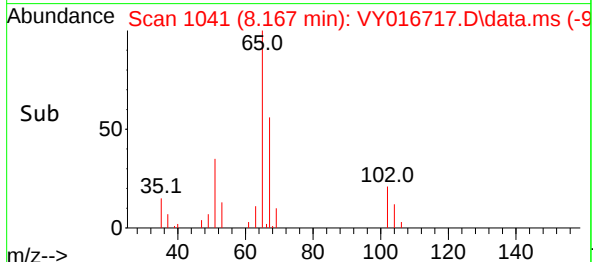
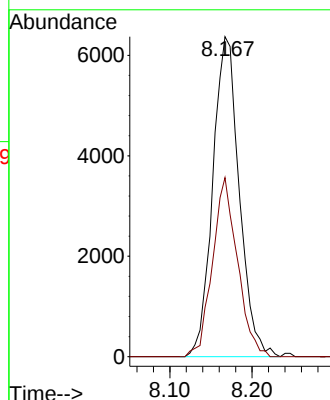
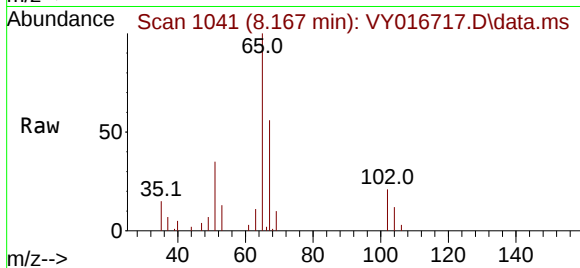
RT-SB-08-15.5-16.5

Tgt Ion: 65 Resp: 14250

Ion Ratio Lower Upper

65 100

67 52.7 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.018 min

Lab File: VY016717.D

Acq: 20 Dec 2023 00:44

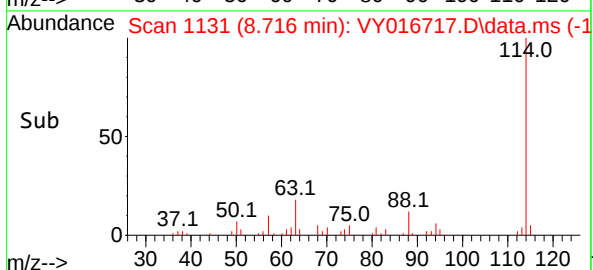
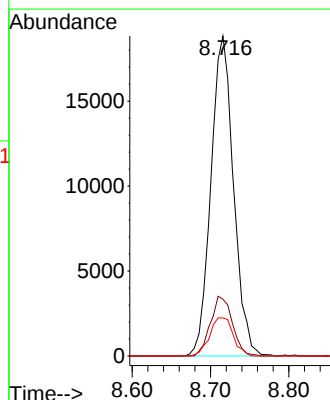
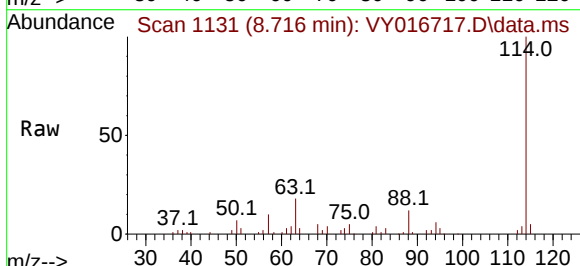
Tgt Ion: 114 Resp: 37750

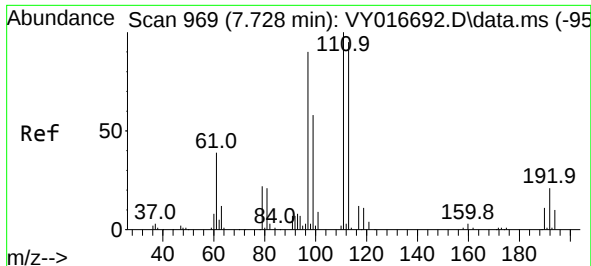
Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

88 11.9 0.0 29.2

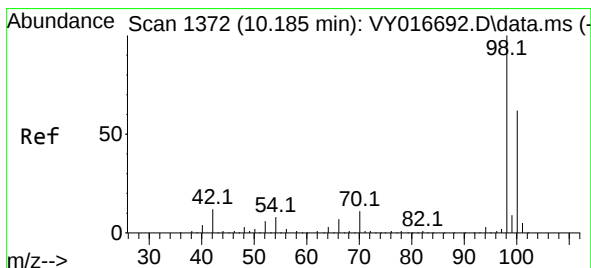
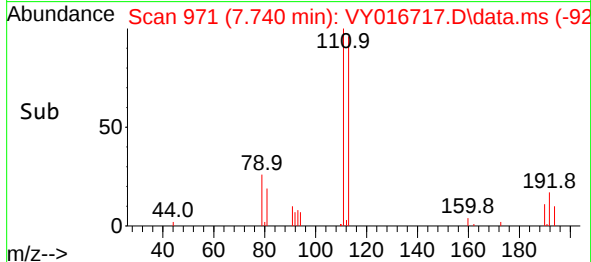
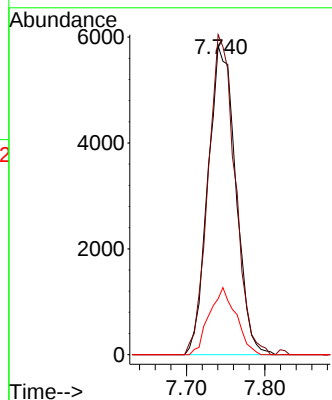
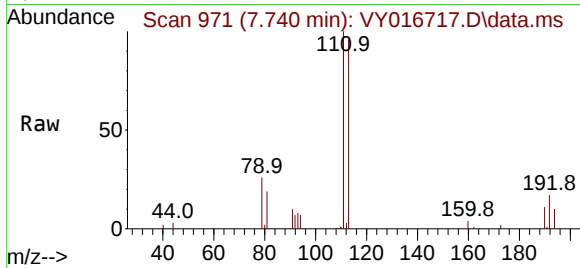




#35  
 Dibromofluoromethane  
 Concen: 64.628 ug/l  
 RT: 7.740 min Scan# 91  
 Delta R.T. 0.012 min  
 Lab File: VY016717.D  
 Acq: 20 Dec 2023 00:44

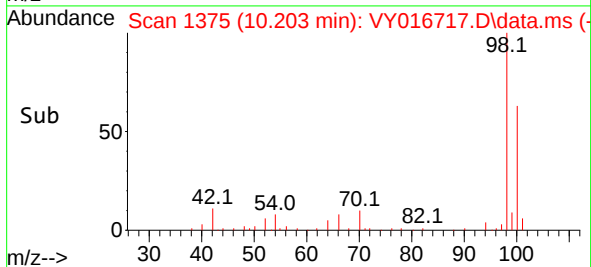
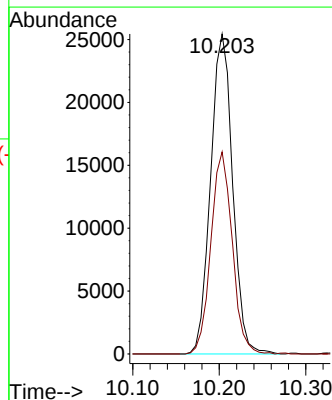
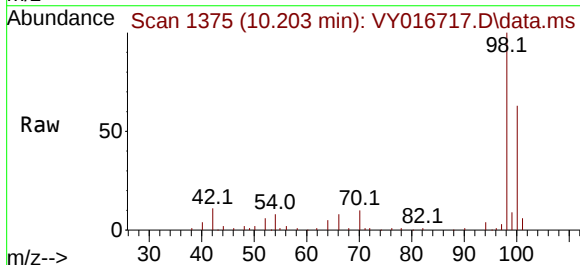
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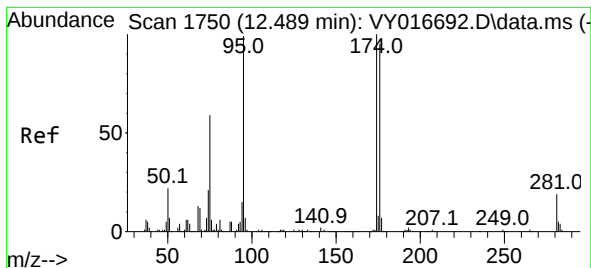
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 14369 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 100.5 | 81.9  | 122.9 |
| 192      | 21.0  | 16.2  | 24.4  |



#50  
 Toluene-d8  
 Concen: 55.811 ug/l  
 RT: 10.203 min Scan# 1375  
 Delta R.T. 0.018 min  
 Lab File: VY016717.D  
 Acq: 20 Dec 2023 00:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 44939 |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 61.3  | 52.5  | 78.7  |

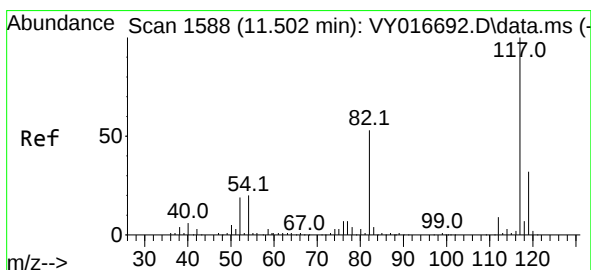
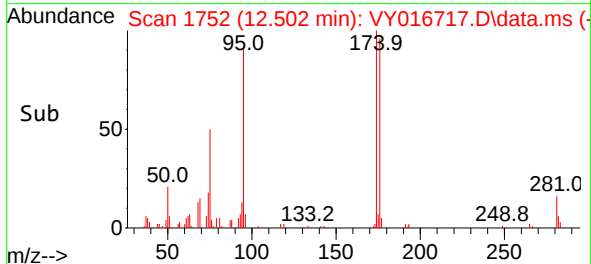
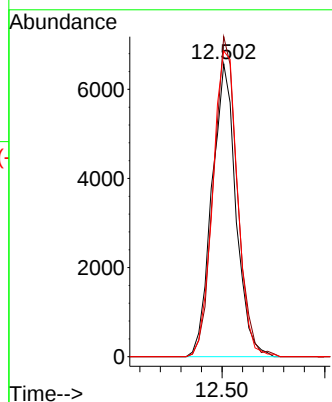
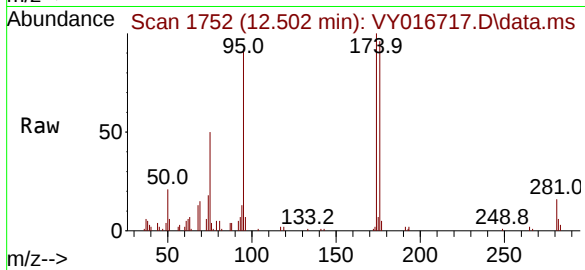




#62  
4-Bromofluorobenzene  
Concen: 46.605 ug/l  
RT: 12.502 min Scan# 1752  
Delta R.T. 0.012 min  
Lab File: VY016717.D  
Acq: 20 Dec 2023 00:44

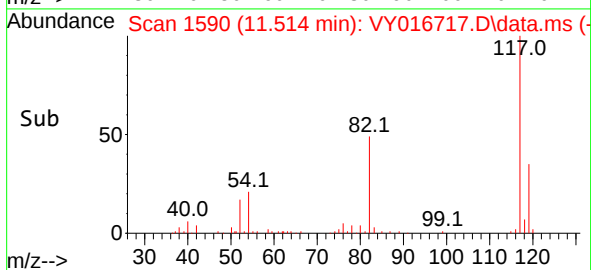
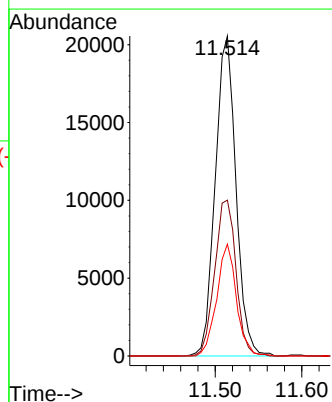
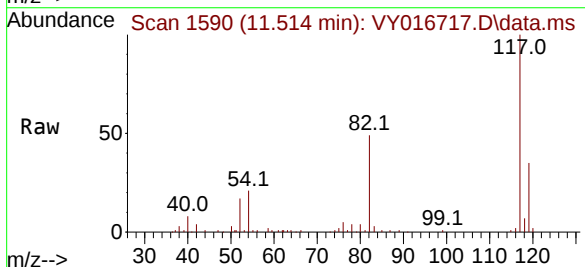
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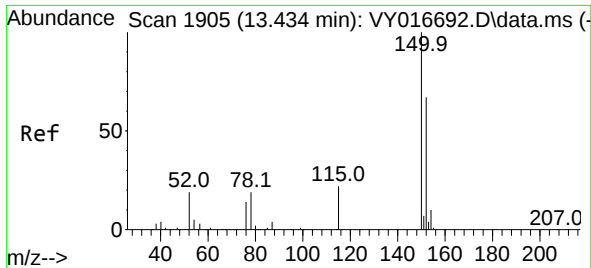
Tgt Ion: 95 Resp: 10670  
Ion Ratio Lower Upper  
95 100  
174 107.5 0.0 181.0  
176 107.5 0.0 176.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.514 min Scan# 1590  
Delta R.T. 0.012 min  
Lab File: VY016717.D  
Acq: 20 Dec 2023 00:44

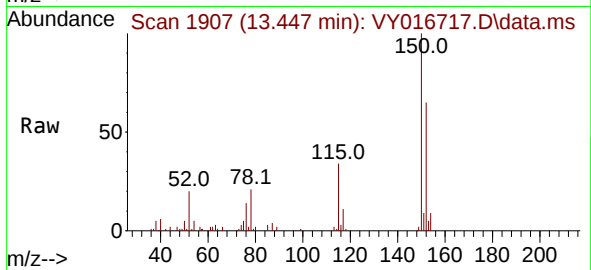
Tgt Ion: 117 Resp: 34133  
Ion Ratio Lower Upper  
117 100  
82 48.7 41.0 61.6  
119 34.9 25.8 38.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.447 min Scan# 1907  
 Delta R.T. 0.012 min  
 Lab File: VY016717.D  
 Acq: 20 Dec 2023 00:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT-SB-08-15.5-16.5



Tgt Ion:152 Resp: 12440  
 Ion Ratio Lower Upper  
 152 100  
 115 53.8 28.2 84.7  
 150 155.3 0.0 350.6

