

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120523\  
 Data File : VY016603.D  
 Acq On : 05 Dec 2023 17:53  
 Operator : SY/MD  
 Sample : 05599-13  
 Misc : 4.36g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LKWD-BACKFILL-07

Quant Time: Dec 06 02:27:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 05 01:24:25 2023  
 Response via : Initial Calibration

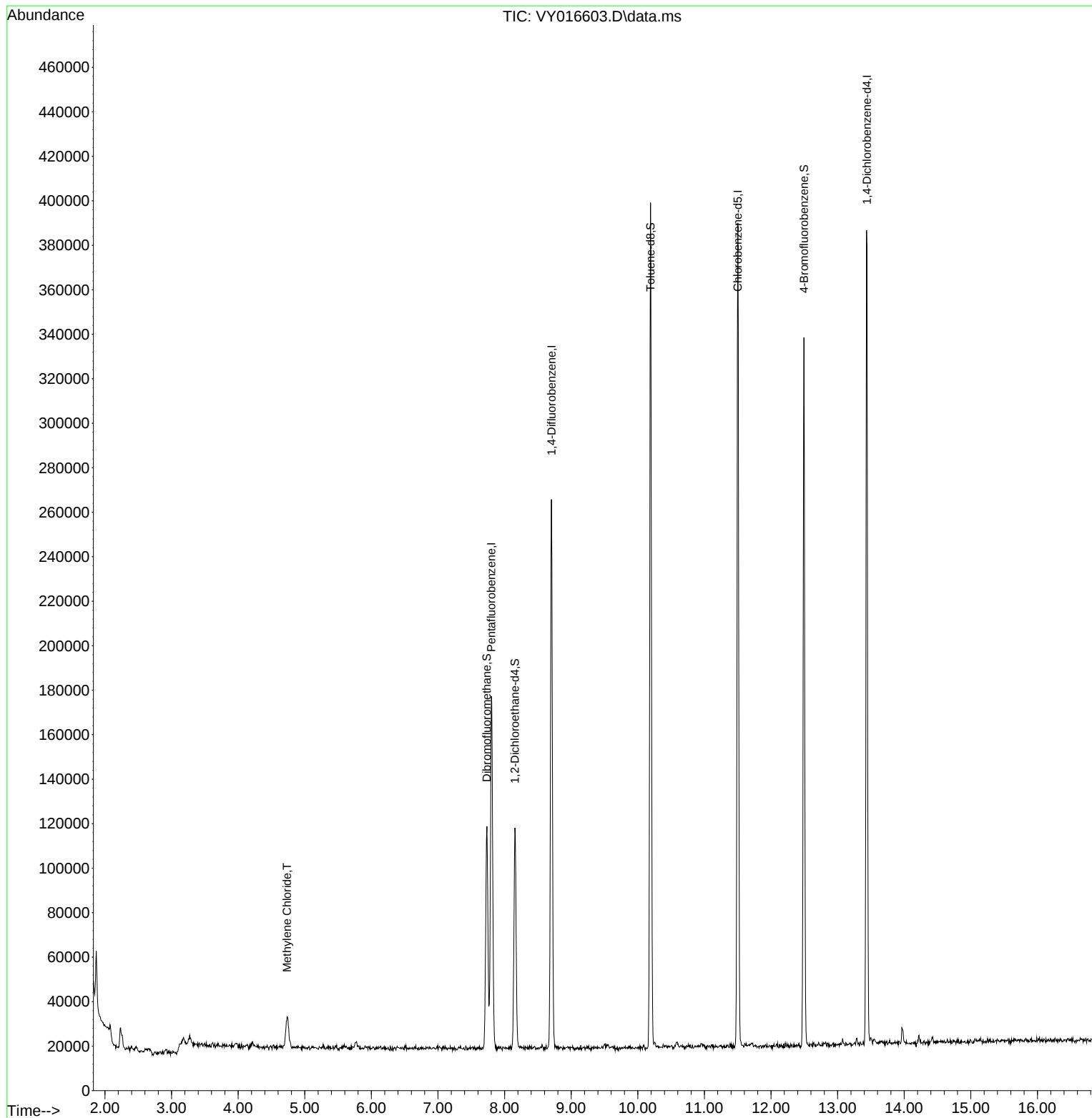
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 131061   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.703  | 114   | 213624   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.502 | 117   | 208288   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.440 | 152   | 100344   | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 84069    | 69.401   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 138.800% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 68897    | 53.592   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 107.180% |
| 50) Toluene-d8              | 10.191 | 98    | 251678   | 51.755   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 103.520% |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 89218    | 55.791   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 111.580% |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 20) Methylene Chloride      | 4.735  | 84    | 11106    | 6.242    | ug/l  | # 86     |
| -----                       |        |       |          |          |       |          |

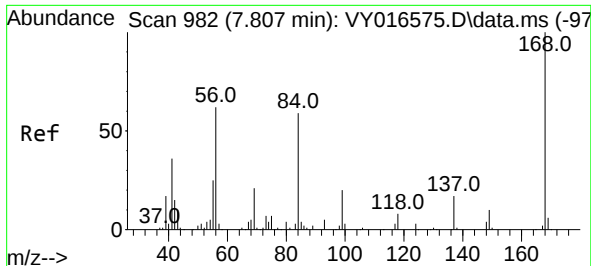
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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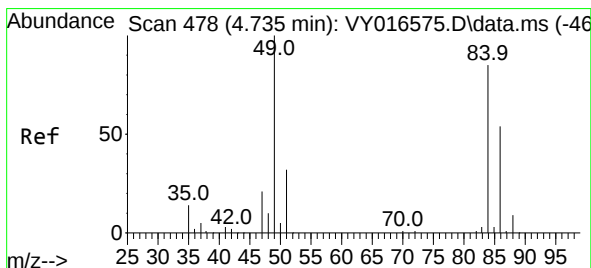
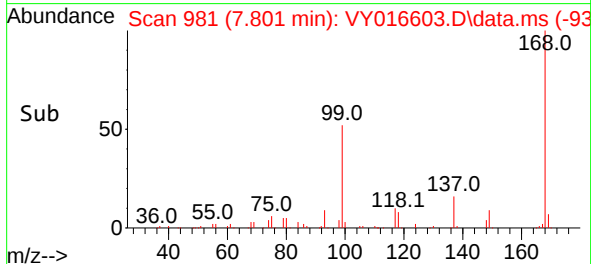
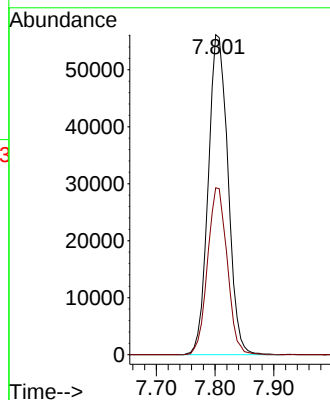
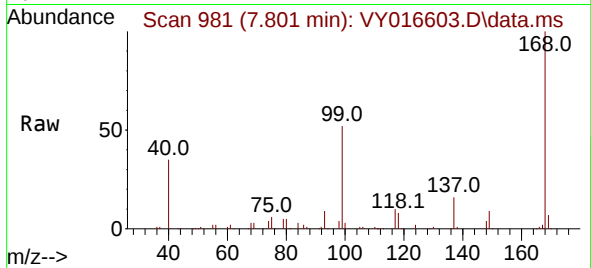




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016603.D  
Acq: 05 Dec 2023 17:53

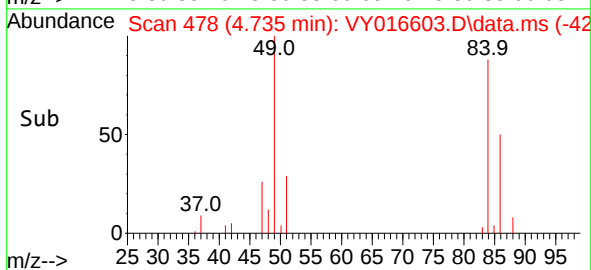
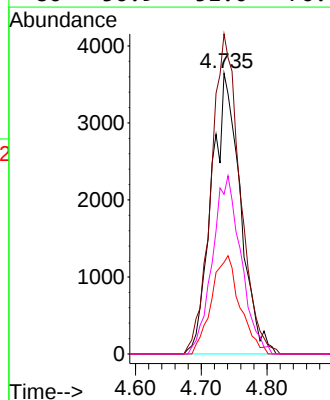
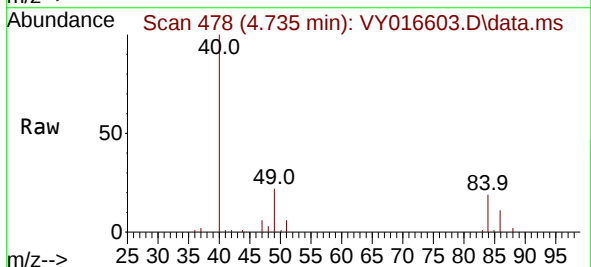
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LKWD-BACKFILL-07

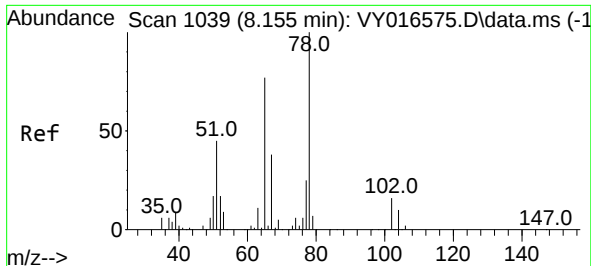
Tgt Ion:168 Resp: 131061  
Ion Ratio Lower Upper  
168 100  
99 52.2 43.4 65.0



#20  
Methylene Chloride  
Concen: 6.242 ug/l  
RT: 4.735 min Scan# 478  
Delta R.T. -0.000 min  
Lab File: VY016603.D  
Acq: 05 Dec 2023 17:53

Tgt Ion: 84 Resp: 11106  
Ion Ratio Lower Upper  
84 100  
49 114.0 106.9 160.3  
51 32.6 33.2 49.8#  
86 56.9 51.0 76.6

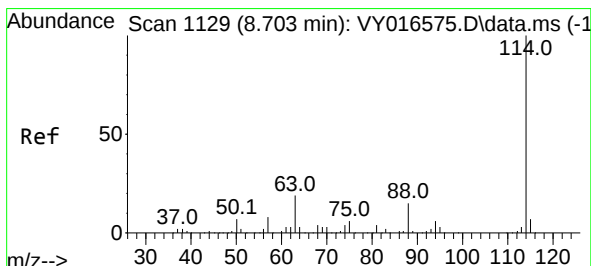
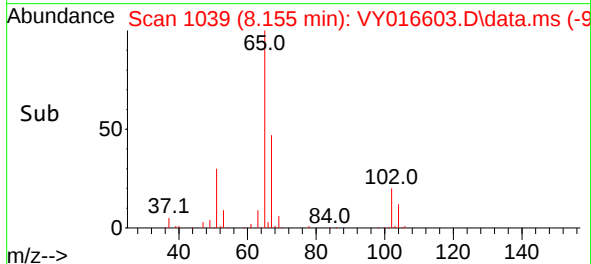
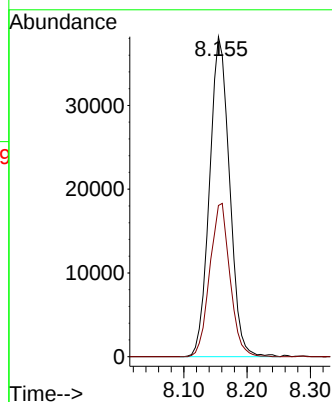
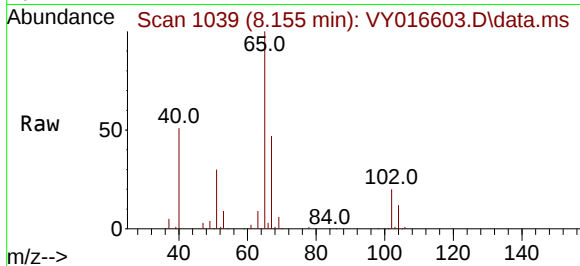




#33  
 1,2-Dichloroethane-d4  
 Concen: 69.401 ug/l  
 RT: 8.155 min Scan# 1039  
 Delta R.T. -0.000 min  
 Lab File: VY016603.D  
 Acq: 05 Dec 2023 17:53

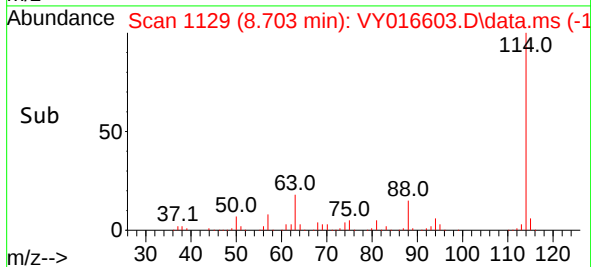
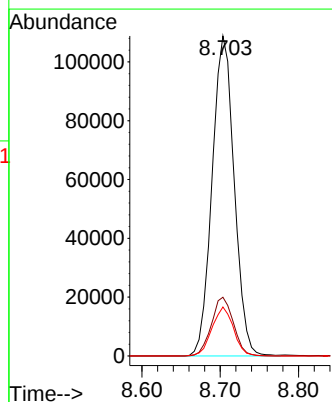
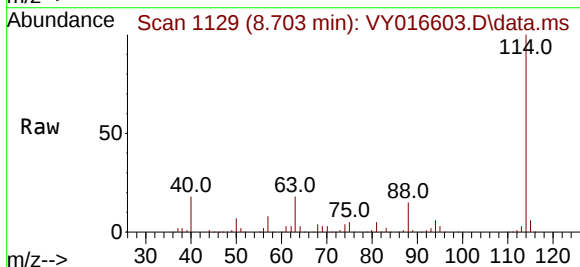
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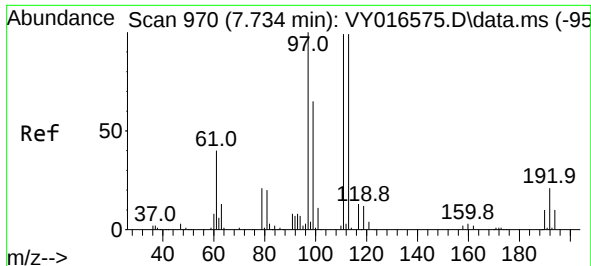
Tgt Ion: 65 Resp: 84069  
 Ion Ratio Lower Upper  
 65 100  
 67 48.3 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.703 min Scan# 1129  
 Delta R.T. -0.000 min  
 Lab File: VY016603.D  
 Acq: 05 Dec 2023 17:53

Tgt Ion: 114 Resp: 213624  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 42.4  
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.592 ug/l

RT: 7.734 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY016603.D

Acq: 05 Dec 2023 17:53

Instrument :

MSVOA\_Y

ClientSampleId :

LKWD-BACKFILL-07

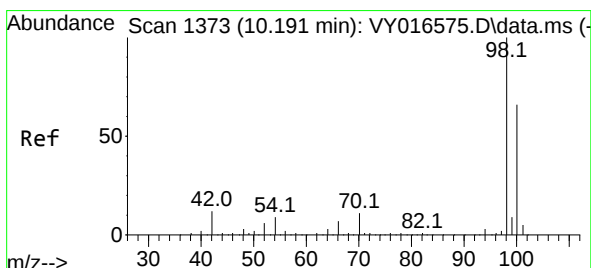
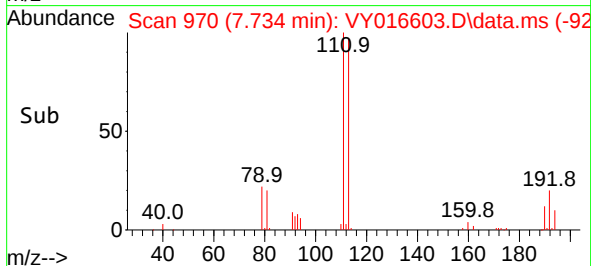
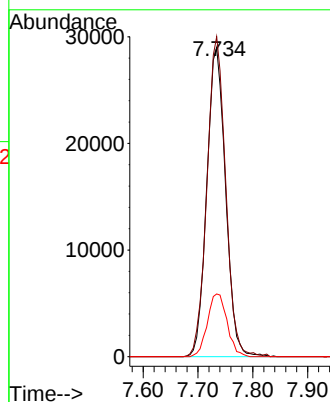
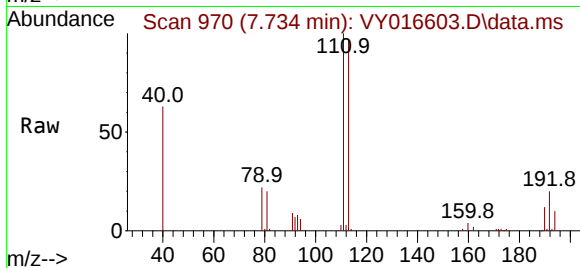
Tgt Ion:113 Resp: 68897

Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 21.3 16.9 25.3



#50

Toluene-d8

Concen: 51.755 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016603.D

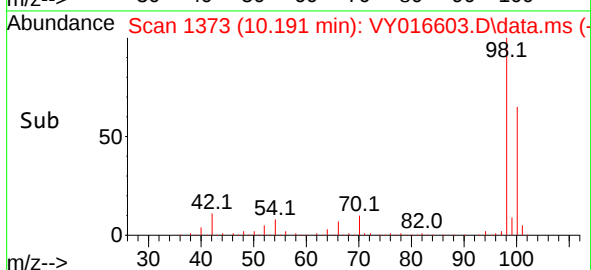
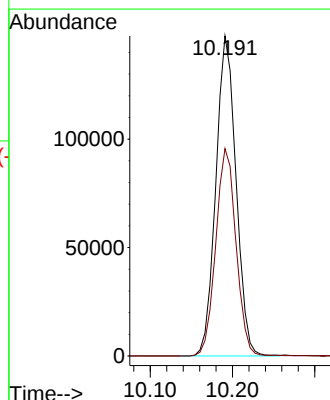
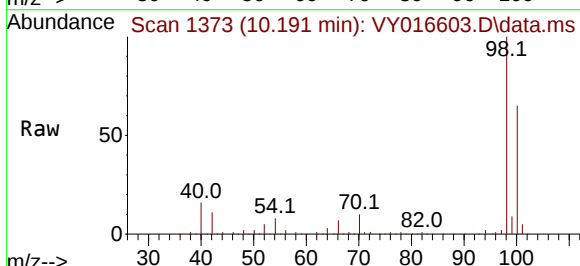
Acq: 05 Dec 2023 17:53

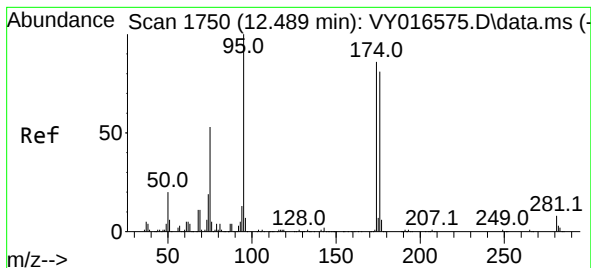
Tgt Ion: 98 Resp: 251678

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1

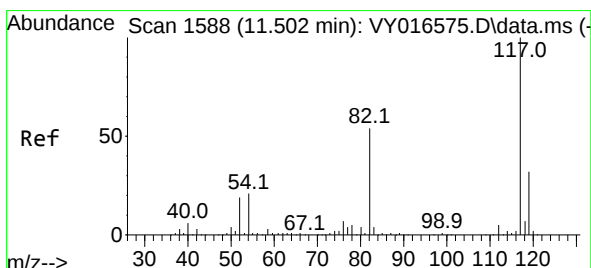
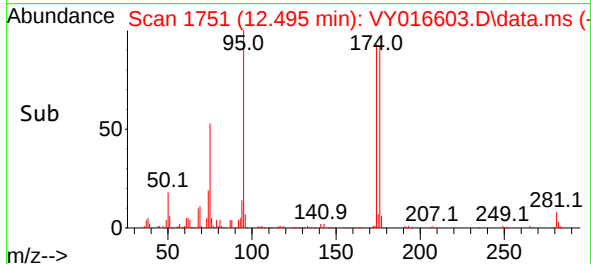
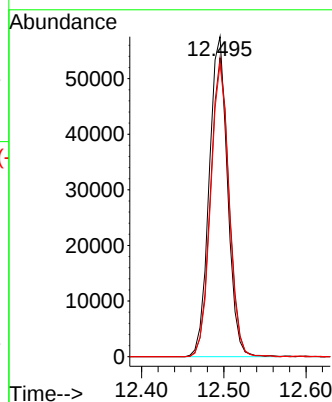
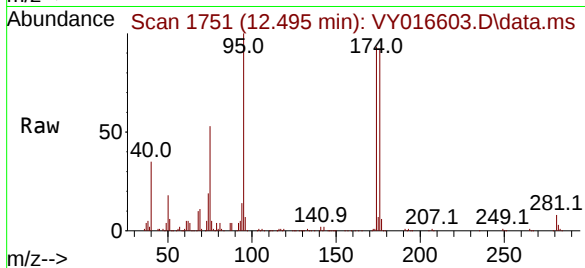




#62  
4-Bromofluorobenzene  
Concen: 55.791 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY016603.D  
Acq: 05 Dec 2023 17:53

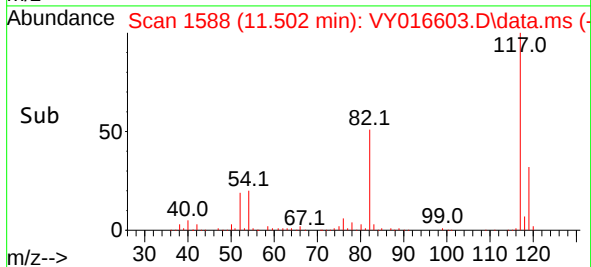
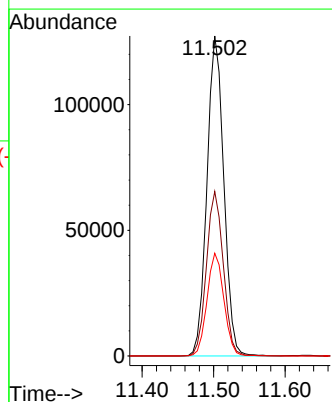
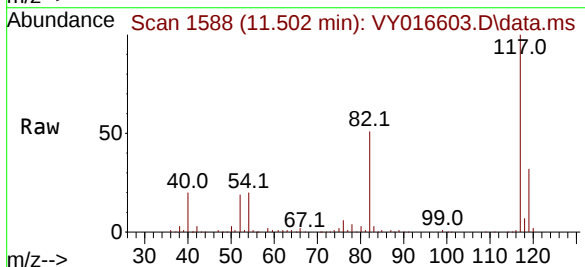
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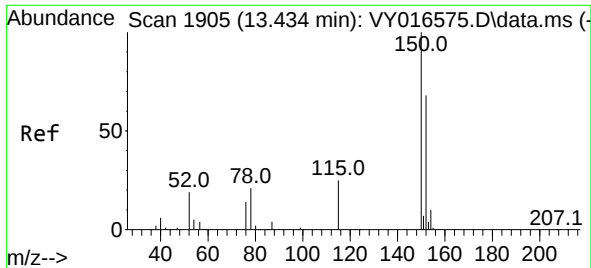
Tgt Ion: 95 Resp: 89218  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 178.2  
176 91.4 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. -0.000 min  
Lab File: VY016603.D  
Acq: 05 Dec 2023 17:53

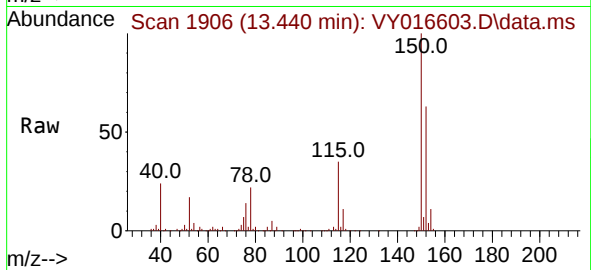
Tgt Ion: 117 Resp: 208288  
Ion Ratio Lower Upper  
117 100  
82 51.4 43.4 65.0  
119 32.1 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.440 min Scan# 1906  
 Delta R.T. 0.006 min  
 Lab File: VY016603.D  
 Acq: 05 Dec 2023 17:53

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LKWD-BACKFILL-07



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 100344 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 56.2  | 28.8  | 86.5   |
| 150      | 156.9 | 0.0   | 348.8  |

