

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121223\  
 Data File : VD077837.D  
 Acq On : 12 Dec 2023 13:03  
 Operator : JC/SY  
 Sample : 05720-02  
 Misc : 2.16G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TT-FRACSEDIMENT-IDWSO-20231207

Quant Time: Dec 12 13:53:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 08 13:33:18 2023  
 Response via : Initial Calibration

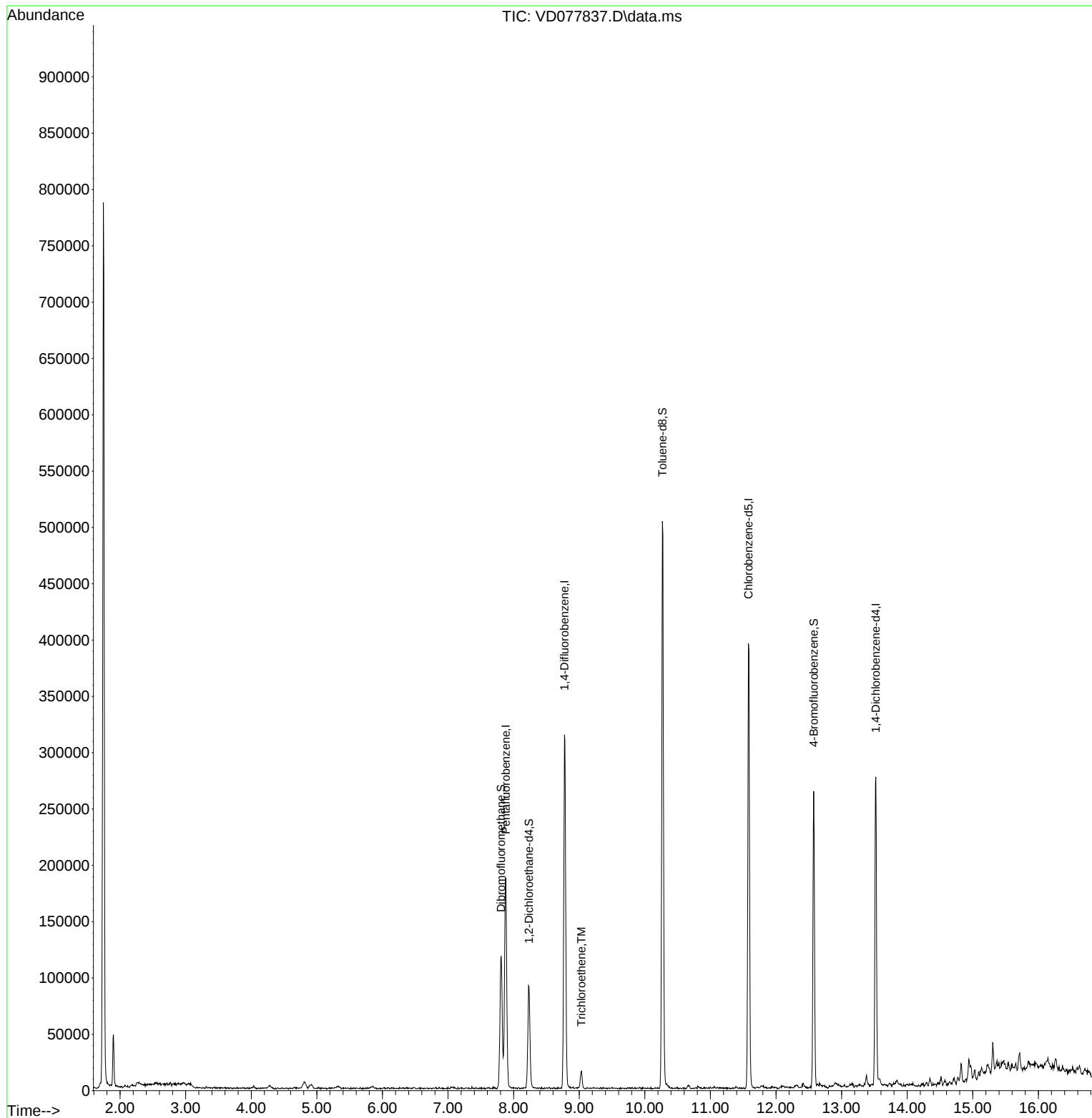
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.881  | 168   | 143813   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 284659   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 235047   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.522 | 152   | 76077    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 70136    | 41.387   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 82.780%  |
| 35) Dibromofluoromethane    | 7.811  | 113   | 85491    | 42.875   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 85.760%  |
| 50) Toluene-d8              | 10.269 | 98    | 352782   | 44.175   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 88.360%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 77919    | 32.635   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 65.260%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 44) Trichloroethene         | 9.034  | 130   | 5215     | 2.211    | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

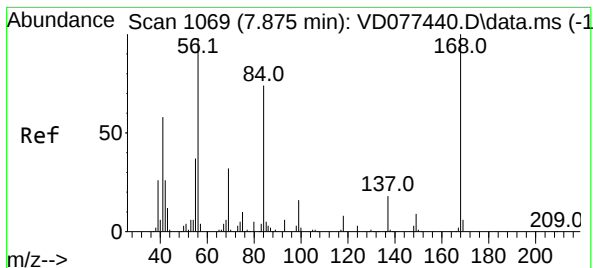
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 08 13:33:18 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD077837.D

Acq: 12 Dec 2023 13:03

Instrument :

MSVOA\_D

ClientSampleId :

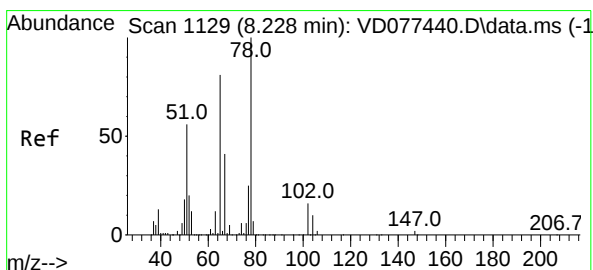
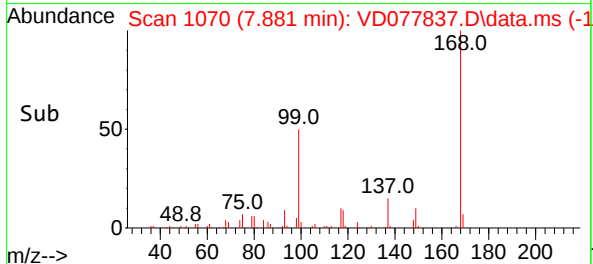
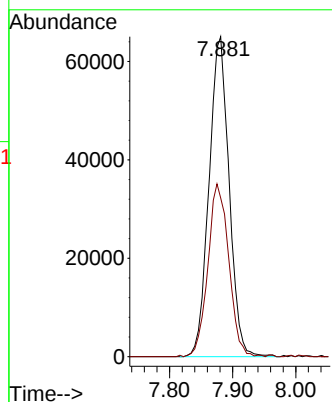
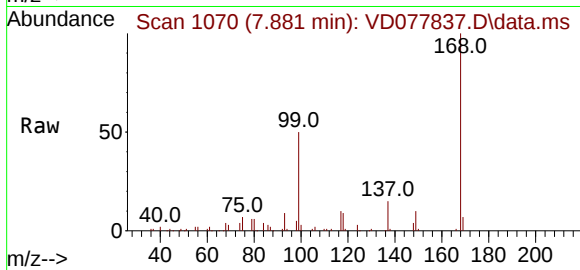
TT-FRACSEDIMENT-IDWSO-20231207

Tgt Ion:168 Resp: 143813

Ion Ratio Lower Upper

168 100

99 49.6 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 41.387 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077837.D

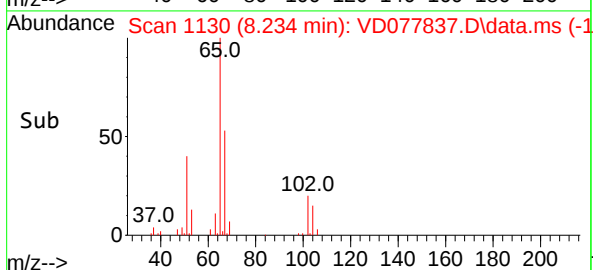
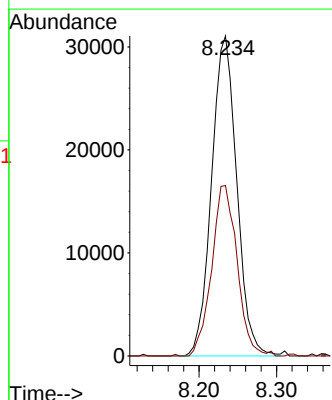
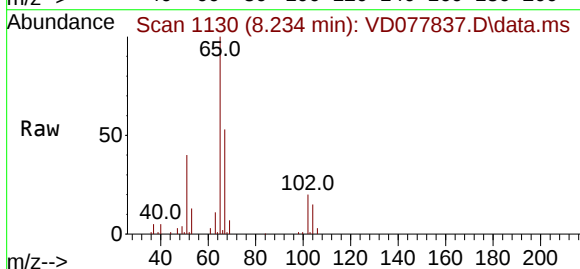
Acq: 12 Dec 2023 13:03

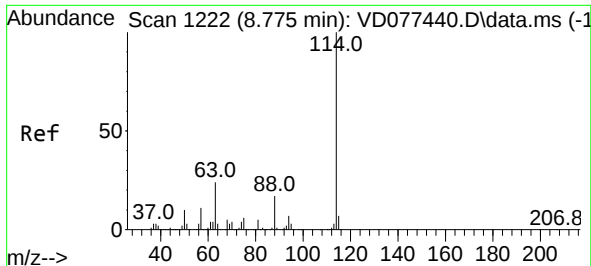
Tgt Ion: 65 Resp: 70136

Ion Ratio Lower Upper

65 100

67 53.9 0.0 115.0

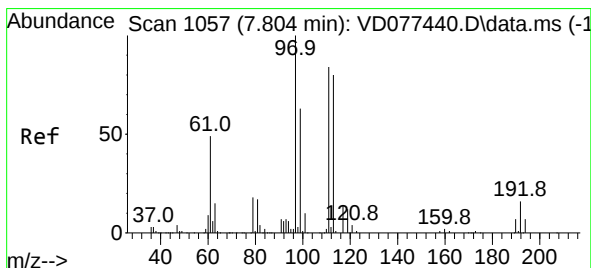
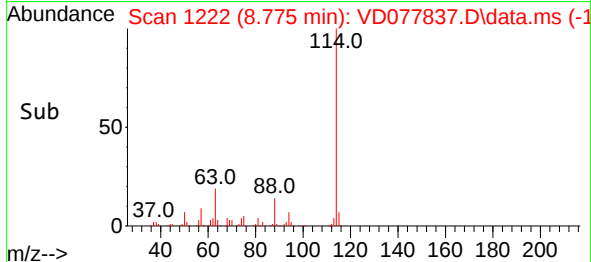
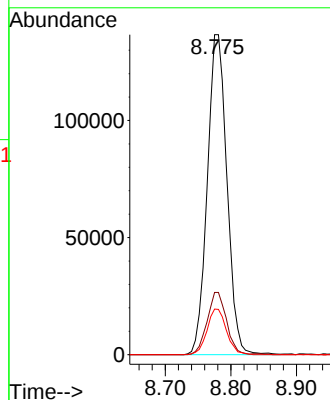
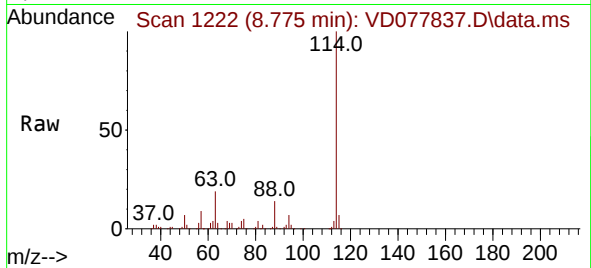




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077837.D  
Acq: 12 Dec 2023 13:03

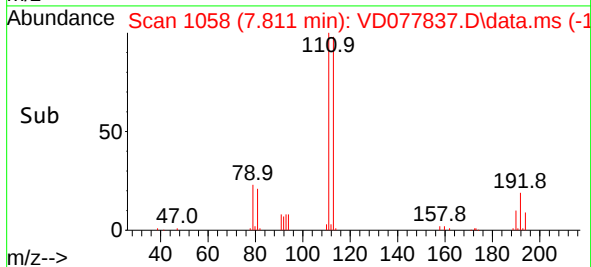
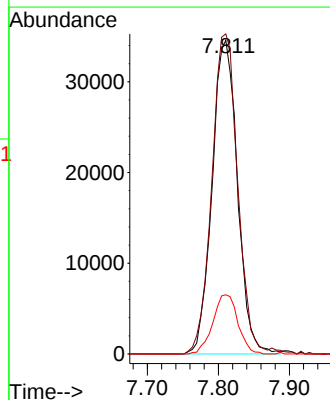
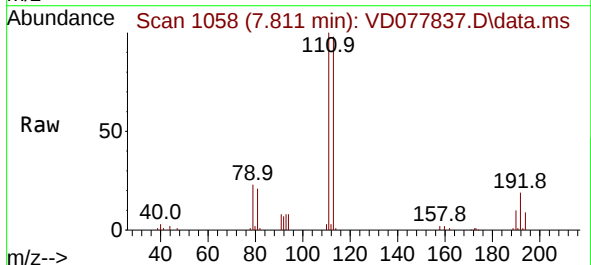
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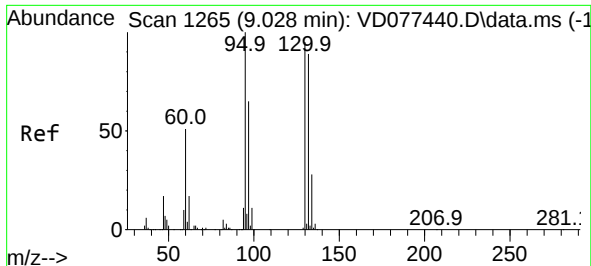
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 284659      |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 19.4  | 0.0 33.4    |
| 88          | 14.2  | 0.0 26.2    |



#35  
Dibromofluoromethane  
Concen: 42.875 ug/l  
RT: 7.811 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: VD077837.D  
Acq: 12 Dec 2023 13:03

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 85491       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 103.7 | 84.7 127.1  |
| 192         | 18.6  | 16.8 25.2   |

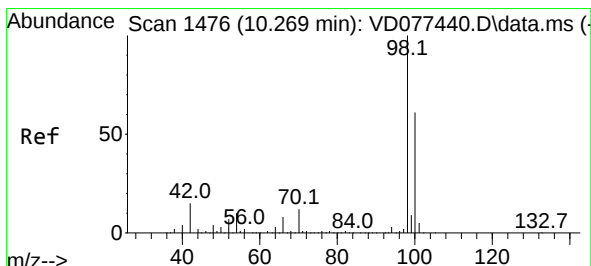
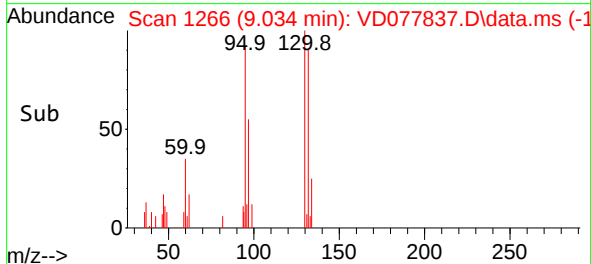
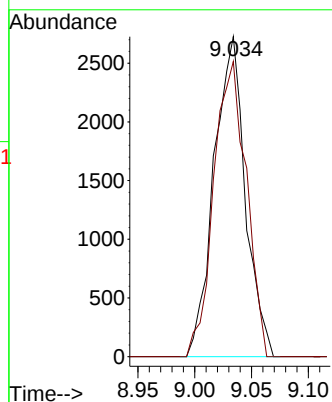
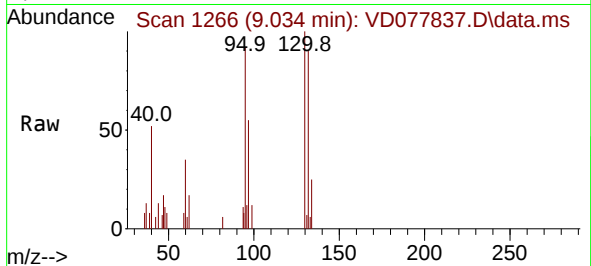




#44  
Trichloroethene  
Concen: 2.211 ug/l  
RT: 9.034 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD077837.D  
Acq: 12 Dec 2023 13:03

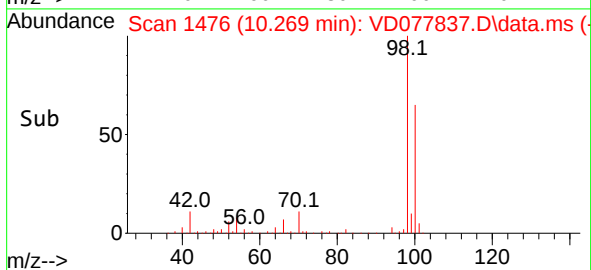
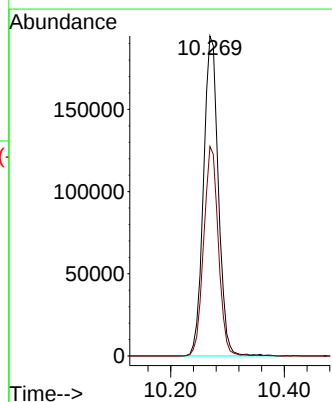
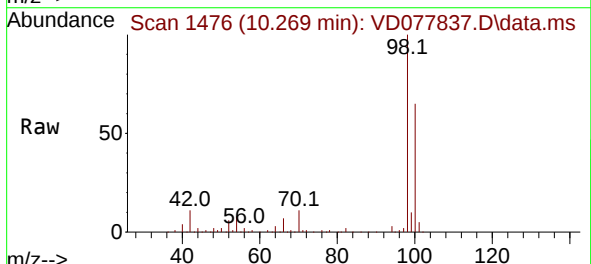
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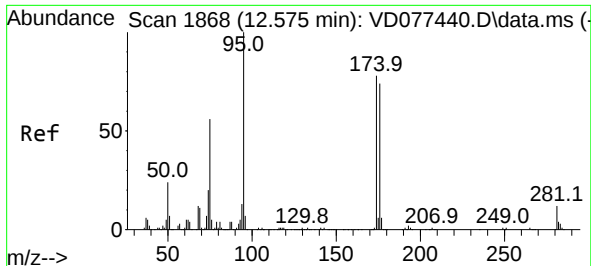
Tgt Ion:130 Resp: 5215  
Ion Ratio Lower Upper  
130 100  
95 92.3 0.0 179.2



#50  
Toluene-d8  
Concen: 44.175 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD077837.D  
Acq: 12 Dec 2023 13:03

Tgt Ion: 98 Resp: 352782  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.3 75.5

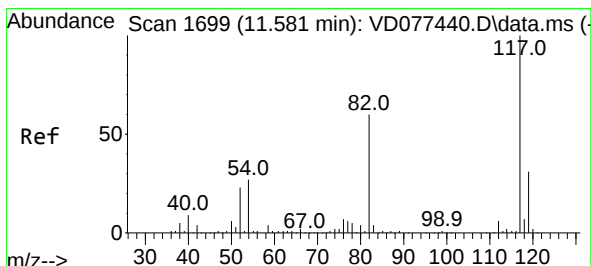
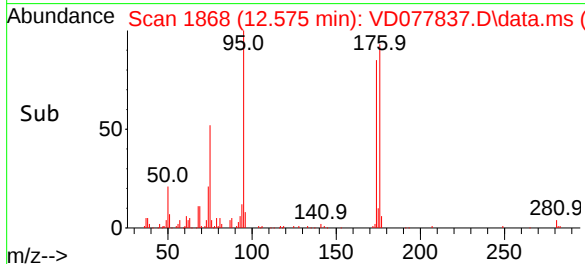
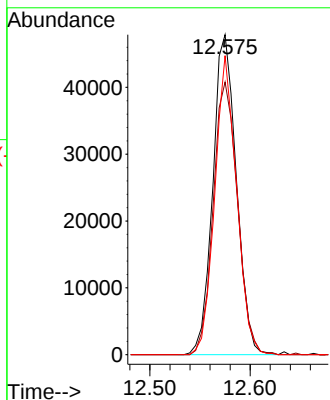
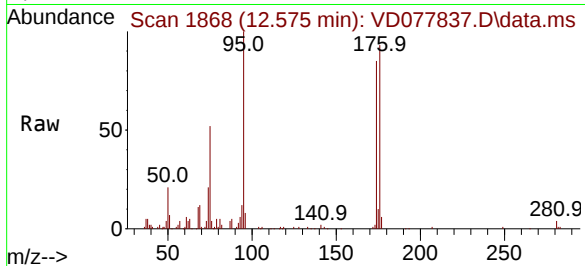




#62  
4-Bromofluorobenzene  
Concen: 32.635 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD077837.D  
Acq: 12 Dec 2023 13:03

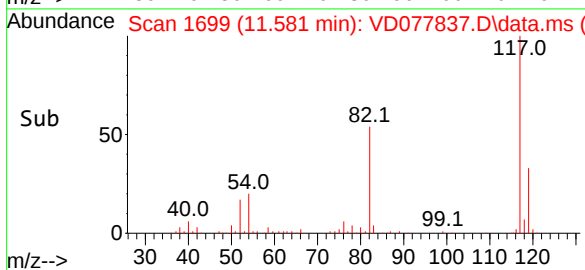
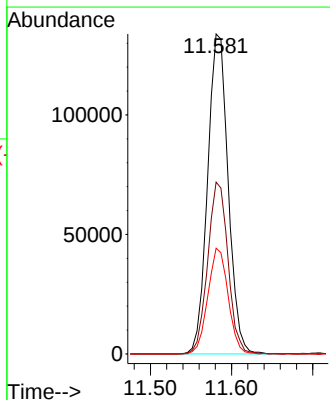
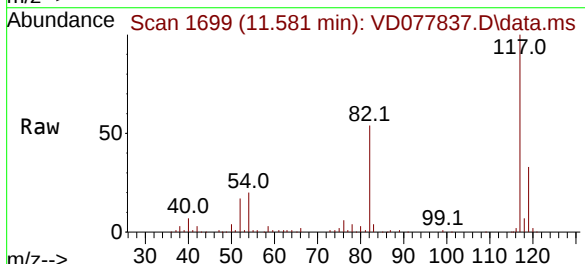
Instrument : MSVOA\_D  
ClientSampleId : TT-FRACSEDIMENT-IDWSO-20231207

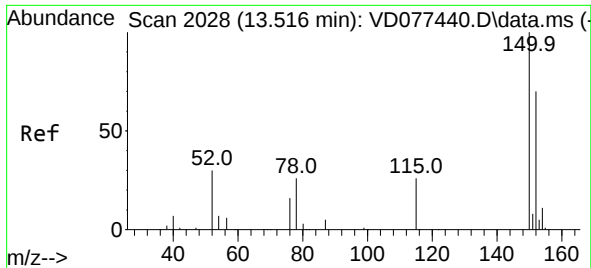
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 77919 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 87.9  | 0.0   | 201.8 |
| 176      | 87.0  | 0.0   | 191.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD077837.D  
Acq: 12 Dec 2023 13:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 235047 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 53.7  | 38.3  | 57.5   |
| 119      | 33.1  | 25.0  | 37.4   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077837.D

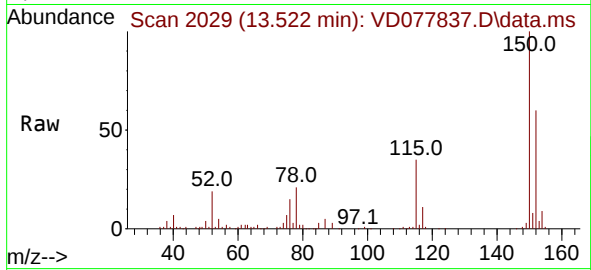
Acq: 12 Dec 2023 13:03

Instrument :

MSVOA\_D

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207



Tgt Ion:152 Resp: 76077

Ion Ratio Lower Upper

152 100

115 57.6 27.1 81.3

150 158.6 0.0 353.6

