

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022824\  
 Data File : VN081241.D  
 Acq On : 28 Feb 2024 14:29  
 Operator : JC\MD  
 Sample : P1590-09DL 5X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE139D1-20240222DL

Quant Time: Feb 28 23:25:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

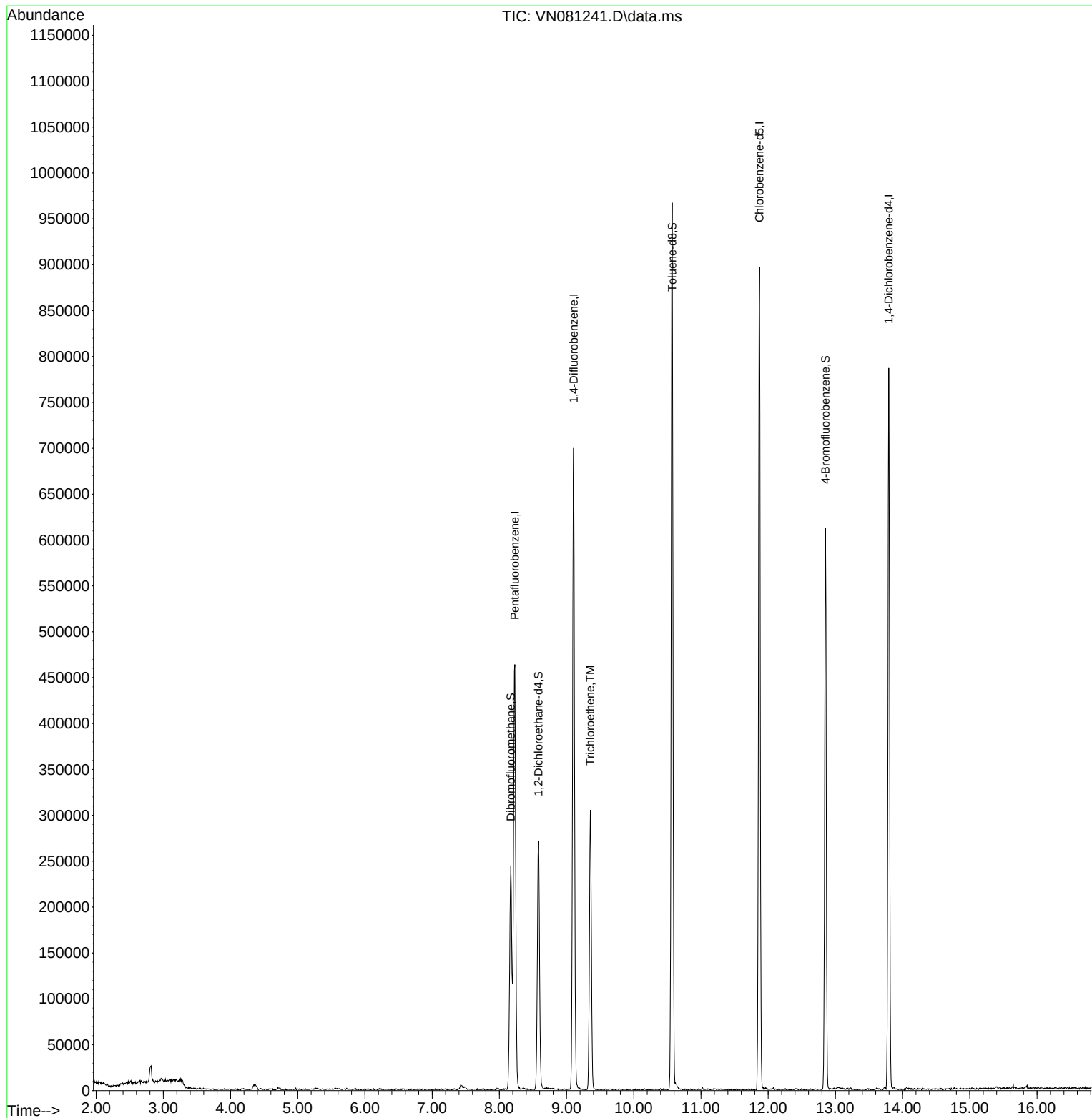
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 8.230  | 168   | 314491   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 577361   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 511385   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 194812   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 218070   | 56.571   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 113.140%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 170138   | 52.113   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 104.220%  |
| 50) Toluene-d8              | 10.571 | 98    | 647344   | 55.826   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 111.660%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 205837   | 47.242   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 94.480%   |
| Target Compounds            |        |       |          |          |       |           |
| 44) Trichloroethene         | 9.353  | 130   | 104948   | 24.338   | ug/l  | Qvalue 95 |
| -----                       |        |       |          |          |       |           |

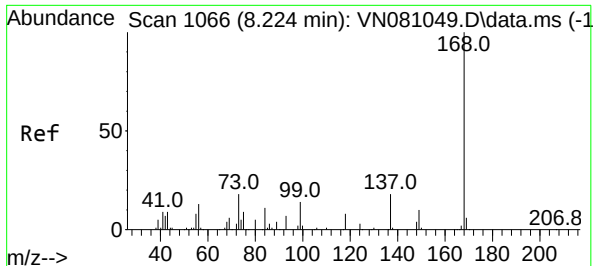
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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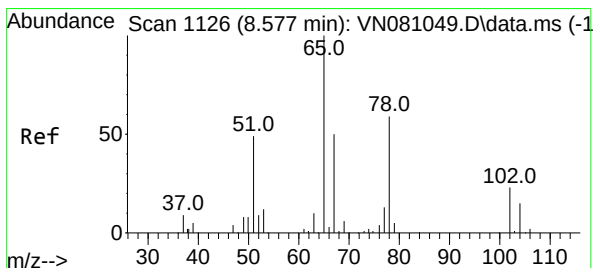
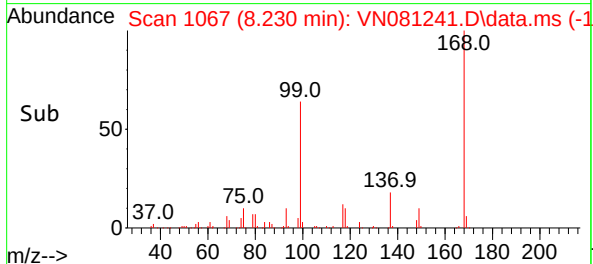
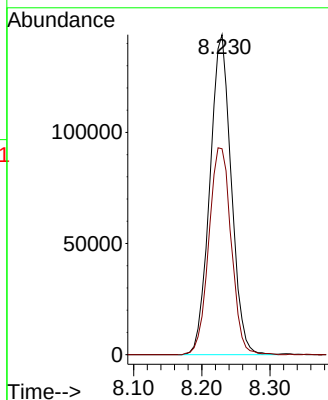
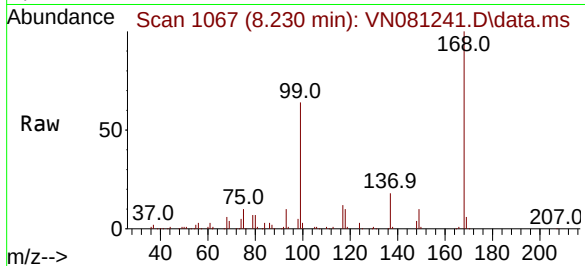




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN081241.D  
Acq: 28 Feb 2024 14:29

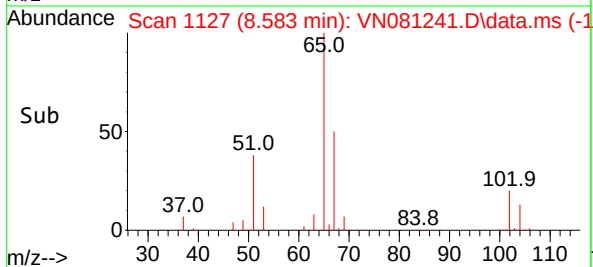
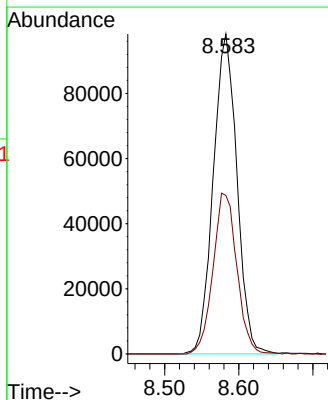
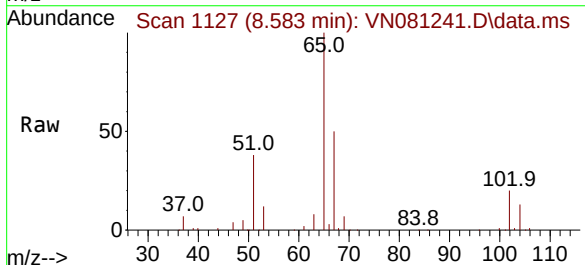
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE139D1-20240222DL

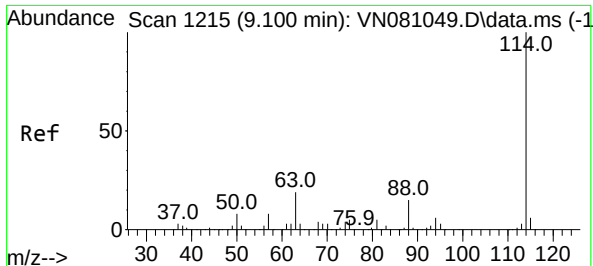
Tgt Ion:168 Resp: 314491  
Ion Ratio Lower Upper  
168 100  
99 64.4 59.9 89.9



#33  
1,2-Dichloroethane-d4  
Concen: 56.571 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081241.D  
Acq: 28 Feb 2024 14:29

Tgt Ion: 65 Resp: 218070  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

Instrument :

MSVOA\_N

ClientSampleId :

RE139D1-20240222DL

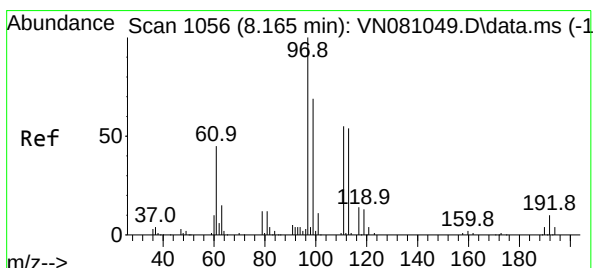
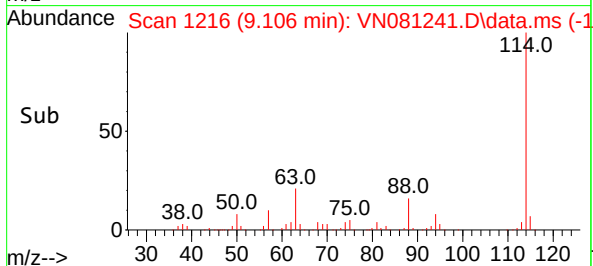
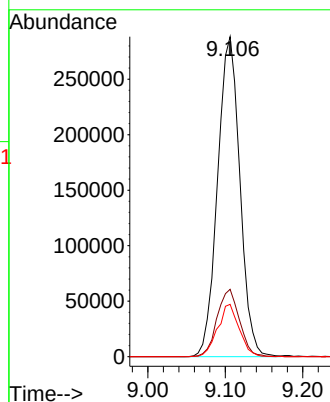
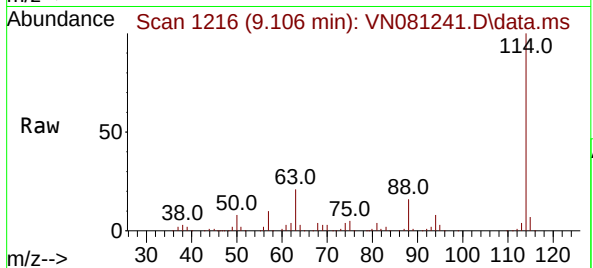
Tgt Ion:114 Resp: 577361

Ion Ratio Lower Upper

114 100

63 21.0 0.0 48.0

88 16.4 0.0 34.8



#35

Dibromofluoromethane

Concen: 52.113 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

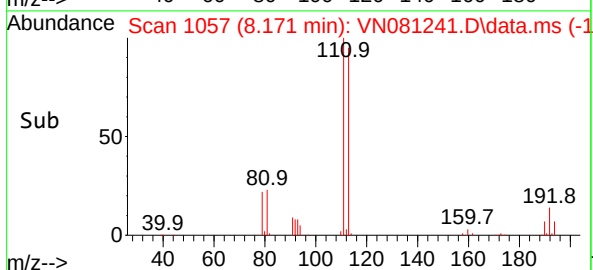
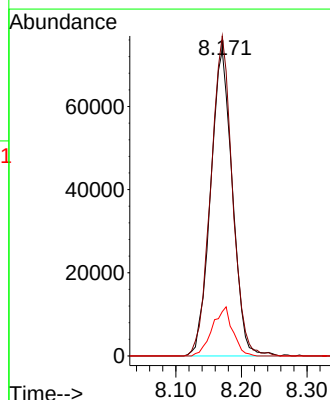
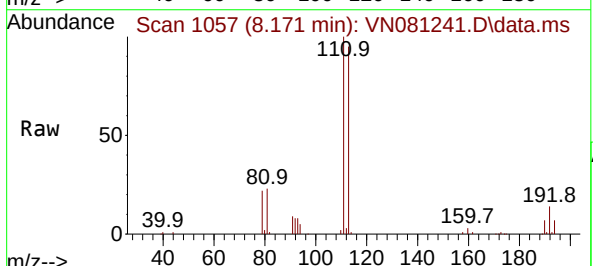
Tgt Ion:113 Resp: 170138

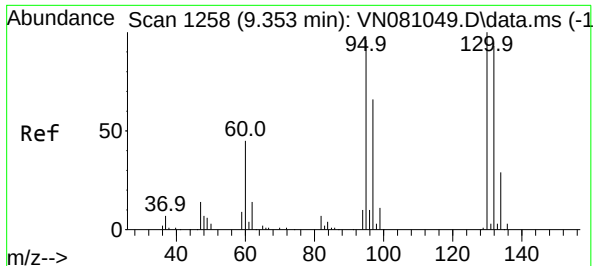
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 15.0 12.5 18.7

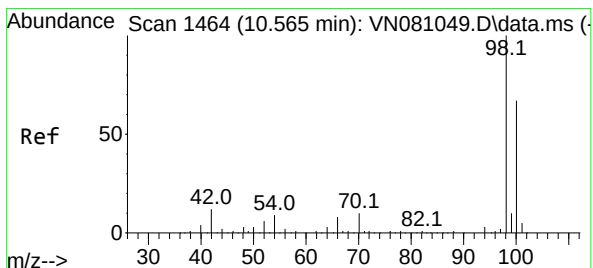
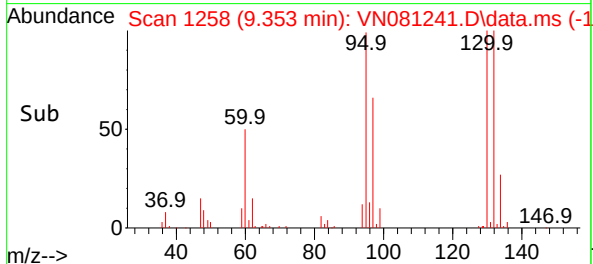
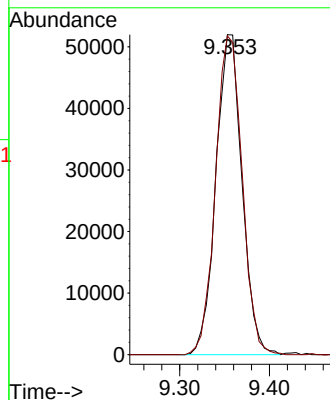
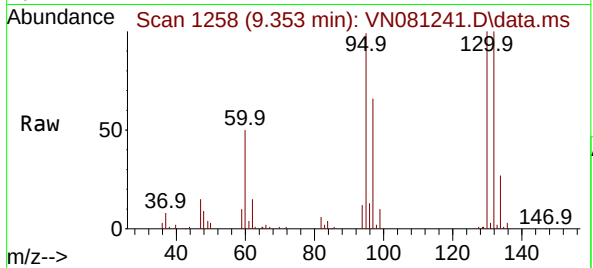




#44  
Trichloroethene  
Concen: 24.338 ug/l  
RT: 9.353 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN081241.D  
Acq: 28 Feb 2024 14:29

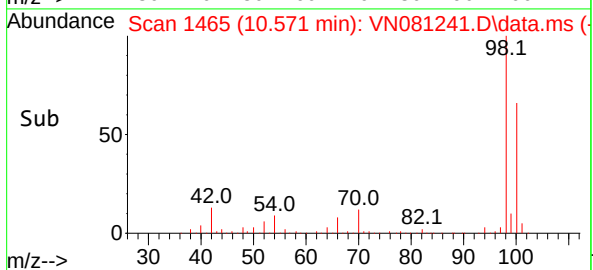
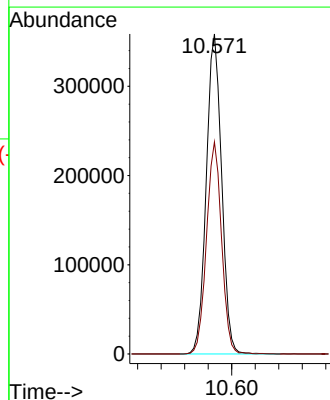
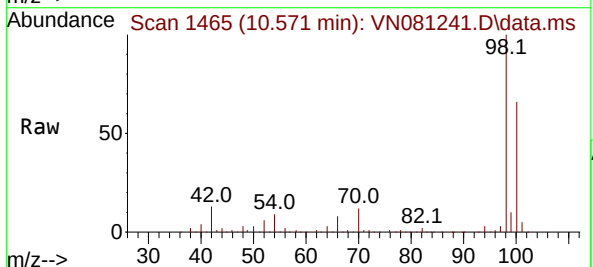
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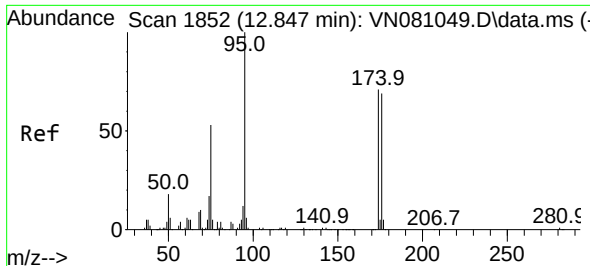
Tgt Ion:130 Resp: 104948  
Ion Ratio Lower Upper  
130 100  
95 99.6 0.0 210.4



#50  
Toluene-d8  
Concen: 55.826 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN081241.D  
Acq: 28 Feb 2024 14:29

Tgt Ion: 98 Resp: 647344  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.4 77.0

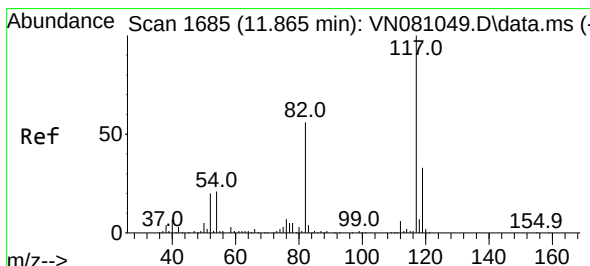
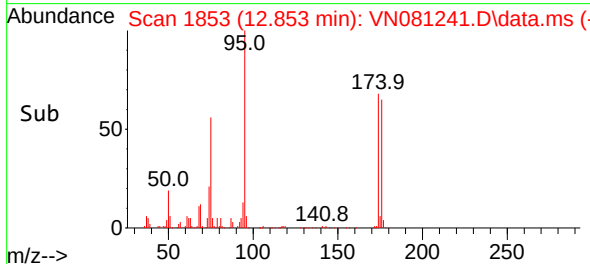
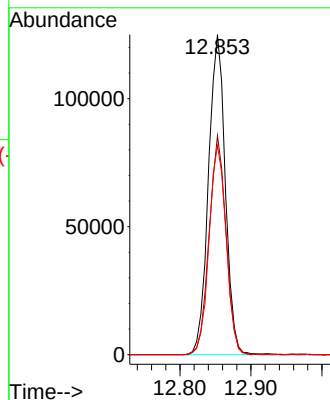
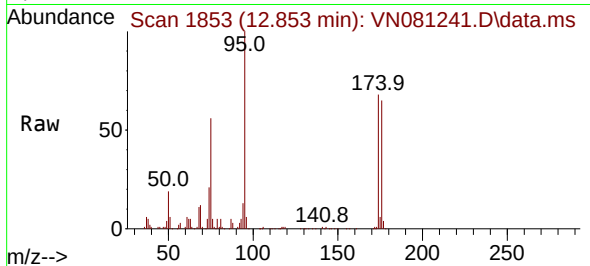




#62  
4-Bromofluorobenzene  
Concen: 47.242 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN081241.D  
Acq: 28 Feb 2024 14:29

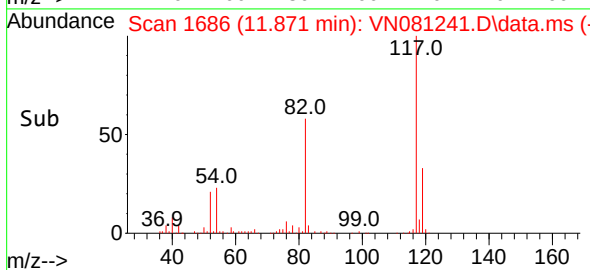
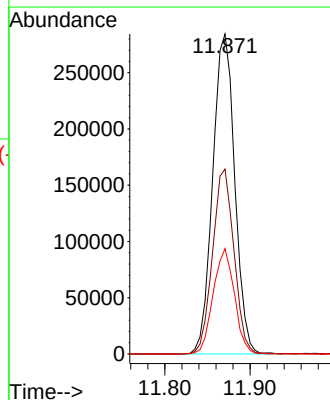
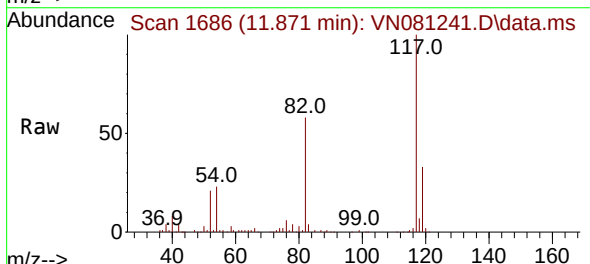
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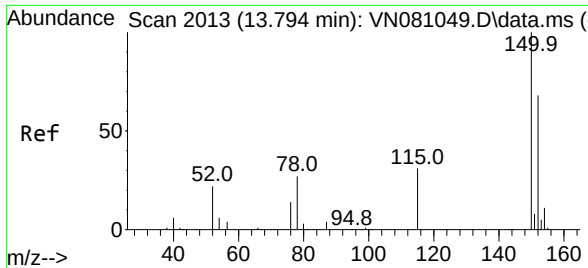
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 205837 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 68.4  | 0.0   | 120.4  |
| 176      | 66.4  | 0.0   | 121.0  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN081241.D  
Acq: 28 Feb 2024 14:29

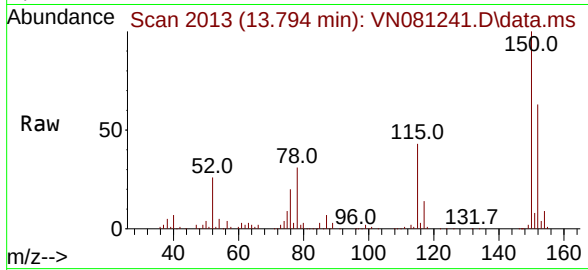
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 511385 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.8  | 52.7  | 79.1   |
| 119      | 32.9  | 25.3  | 37.9   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN081241.D  
 Acq: 28 Feb 2024 14:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE139D1-20240222DL



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 194812 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 66.1  | 32.3  | 96.8   |
| 150      | 158.4 | 0.0   | 339.8  |

