

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110323\  
 Data File : VN079846.D  
 Acq On : 03 Nov 2023 14:04  
 Operator : JC\MD  
 Sample : 05225-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-188-GW-360-362

Quant Time: Nov 04 00:52:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:49:08 2023  
 Response via : Initial Calibration

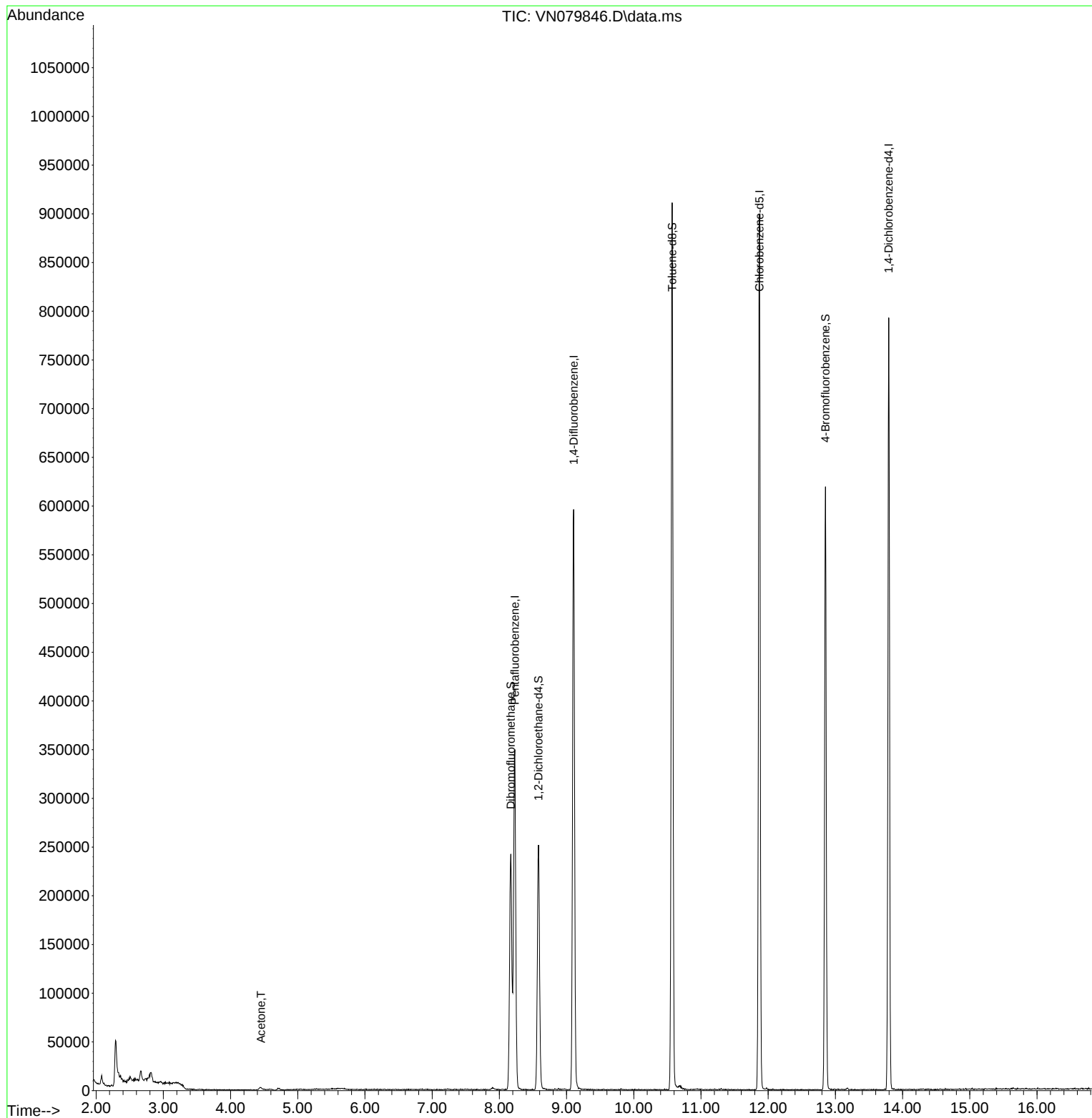
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 8.230  | 168   | 247276   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 496732   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 504370   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 202999   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 206845   | 54.905   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 109.800%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 175165   | 49.824   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 99.640%   |
| 50) Toluene-d8              | 10.571 | 98    | 608873   | 47.045   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 94.080%   |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 205874   | 47.963   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 95.920%   |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 4.453  | 43    | 4977     | 3.761    | ug/l  | Qvalue 93 |
| -----                       |        |       |          |          |       |           |

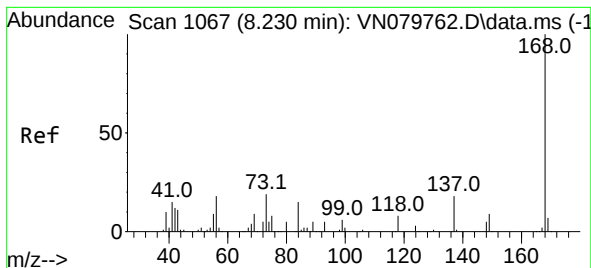
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-188-GW-360-362

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Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:49:08 2023  
Response via : Initial Calibration

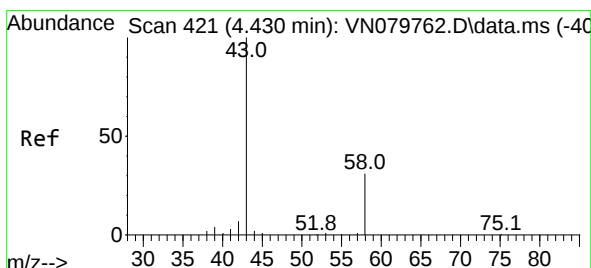
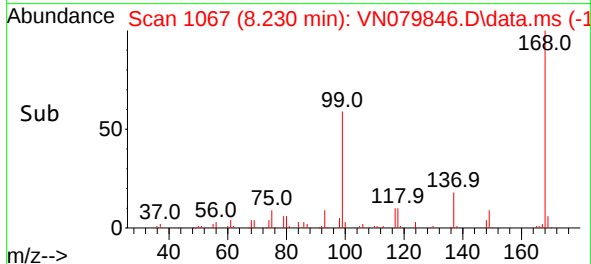
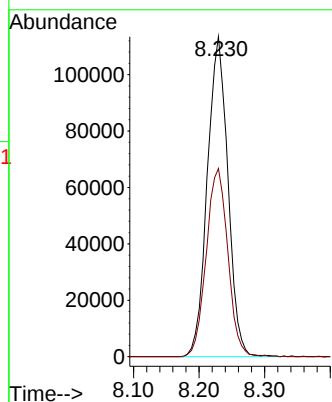
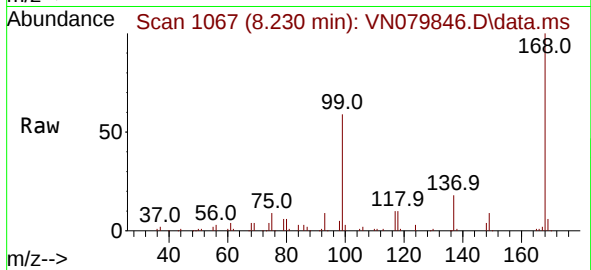




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. 0.001 min  
Lab File: VN079846.D  
Acq: 03 Nov 2023 14:04

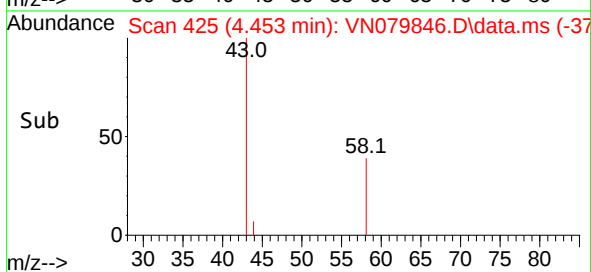
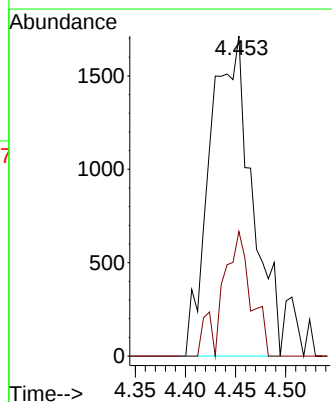
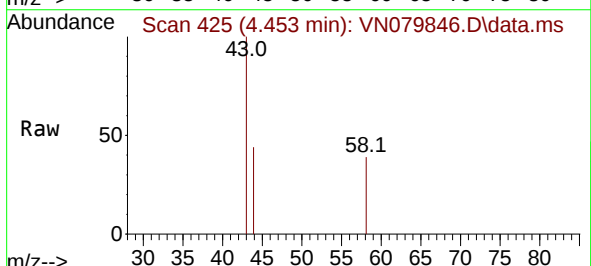
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-188-GW-360-362

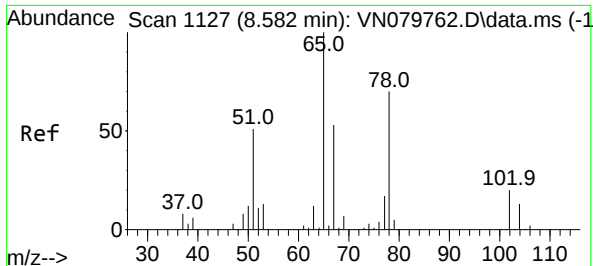
Tgt Ion:168 Resp: 247276  
Ion Ratio Lower Upper  
168 100  
99 58.8 53.0 79.6



#16  
Acetone  
Concen: 3.761 ug/l  
RT: 4.453 min Scan# 425  
Delta R.T. 0.024 min  
Lab File: VN079846.D  
Acq: 03 Nov 2023 14:04

Tgt Ion: 43 Resp: 4977  
Ion Ratio Lower Upper  
43 100  
58 38.9 28.0 42.0

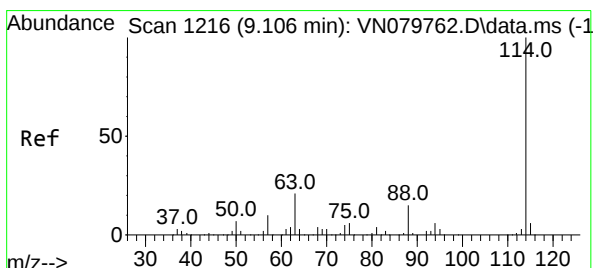
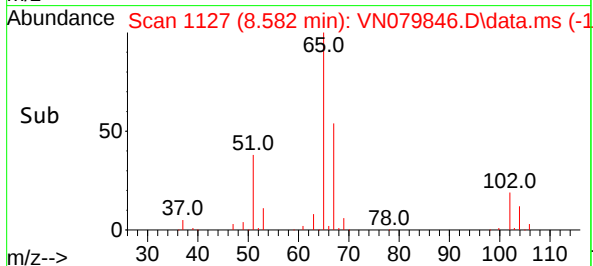
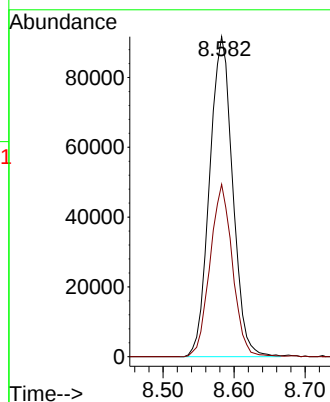
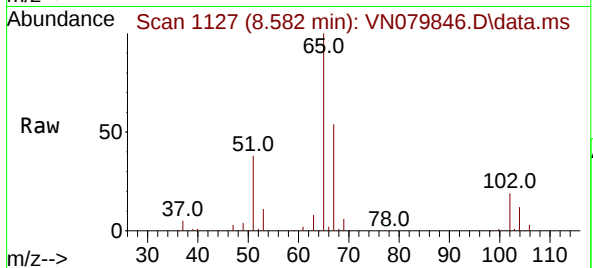




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.905 ug/l  
 RT: 8.582 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VN079846.D  
 Acq: 03 Nov 2023 14:04

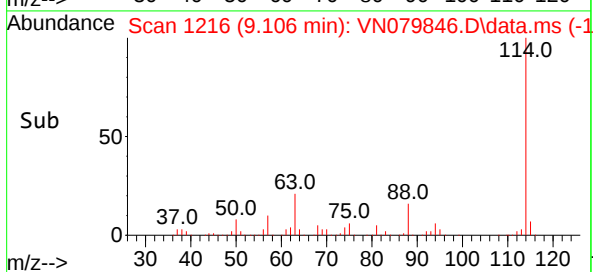
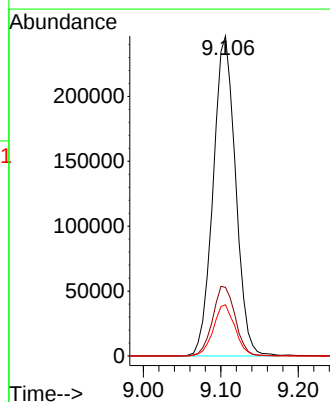
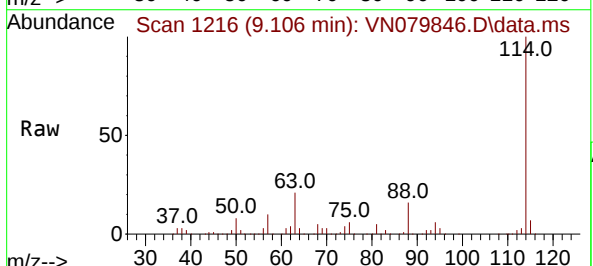
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-188-GW-360-362

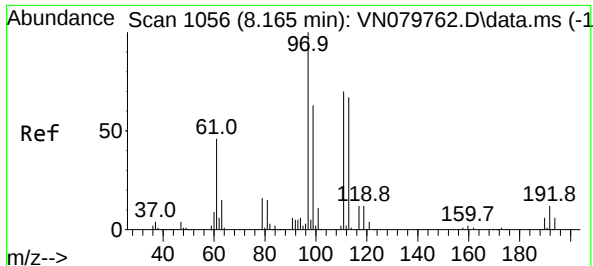
Tgt Ion: 65 Resp: 206845  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 106.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.106 min Scan# 1216  
 Delta R.T. 0.000 min  
 Lab File: VN079846.D  
 Acq: 03 Nov 2023 14:04

Tgt Ion: 114 Resp: 496732  
 Ion Ratio Lower Upper  
 114 100  
 63 21.5 0.0 36.4  
 88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.824 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079846.D

Acq: 03 Nov 2023 14:04

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-188-GW-360-362

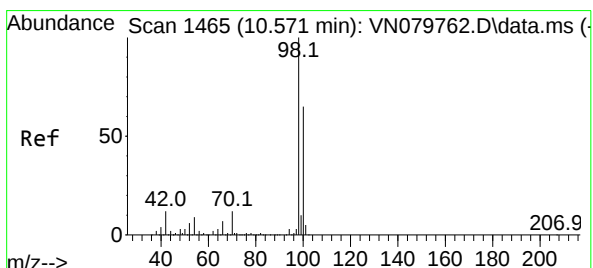
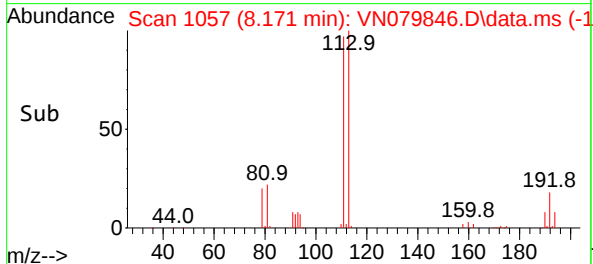
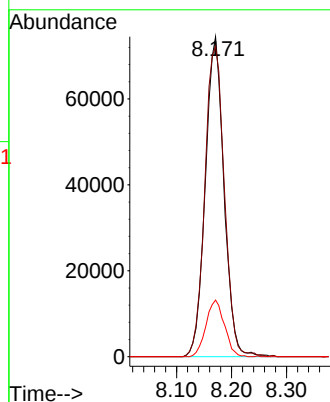
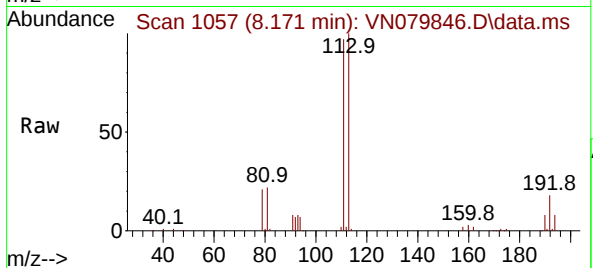
Tgt Ion:113 Resp: 175165

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

192 17.6 12.7 19.1



#50

Toluene-d8

Concen: 47.045 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079846.D

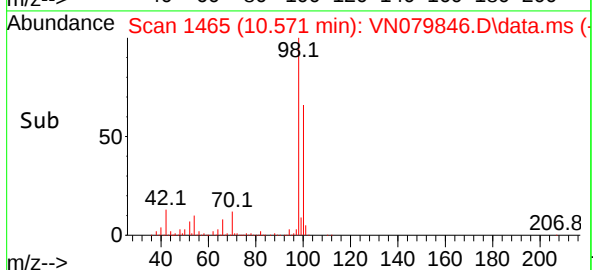
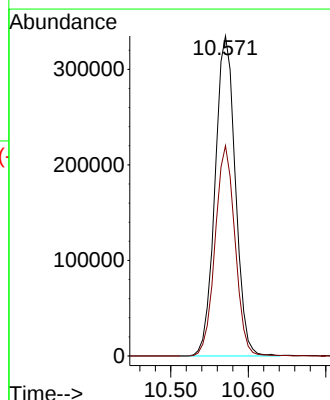
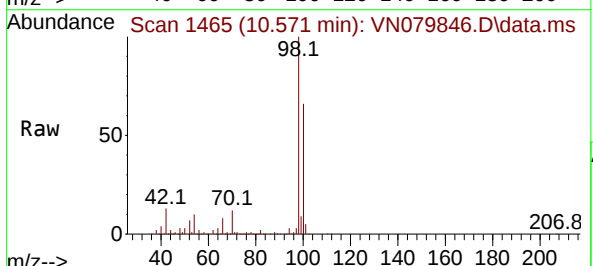
Acq: 03 Nov 2023 14:04

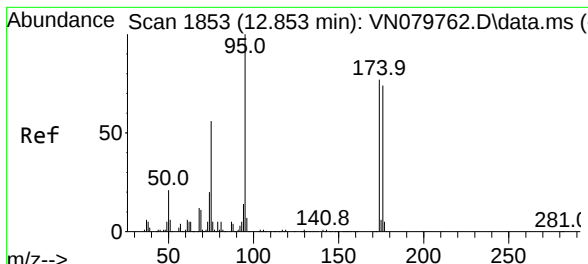
Tgt Ion: 98 Resp: 608873

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

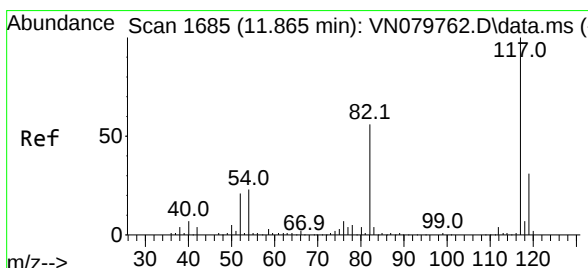
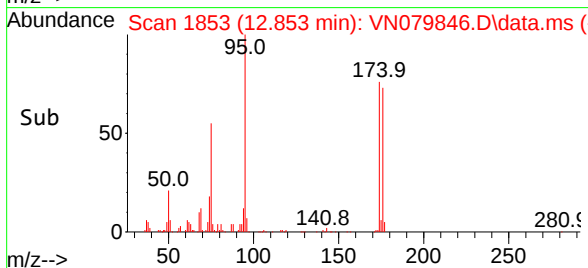
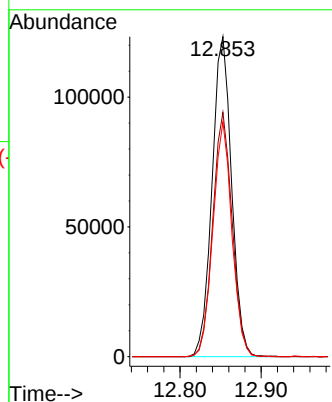
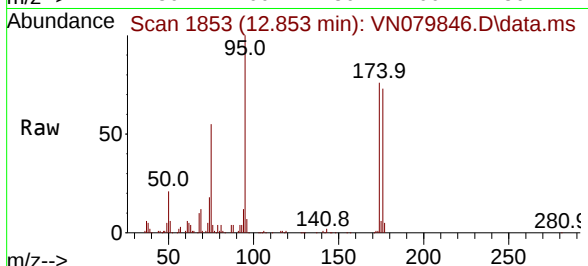




#62  
4-Bromofluorobenzene  
Concen: 47.963 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079846.D  
Acq: 03 Nov 2023 14:04

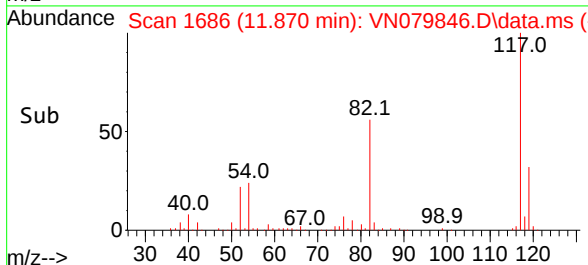
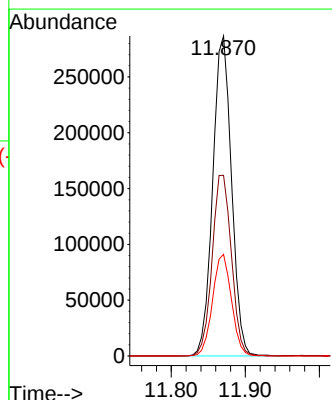
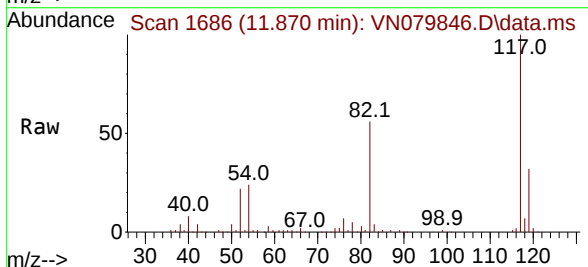
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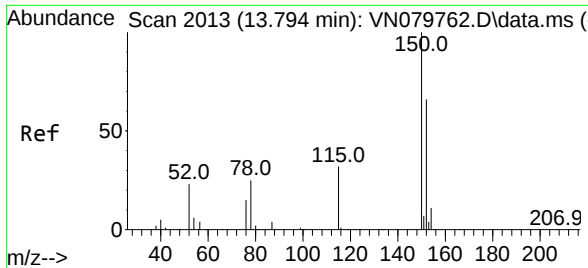
Tgt Ion: 95 Resp: 205874  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 143.8  
176 71.4 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN079846.D  
Acq: 03 Nov 2023 14:04

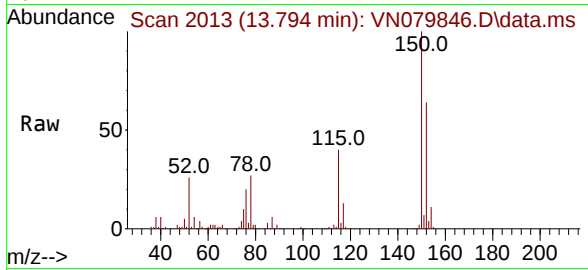
Tgt Ion: 117 Resp: 504370  
Ion Ratio Lower Upper  
117 100  
82 56.5 44.0 66.0  
119 31.7 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN079846.D  
 Acq: 03 Nov 2023 14:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-188-GW-360-362



Tgt Ion:152 Resp: 202999

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 61.0  | 32.3  | 96.8  |
| 150 | 156.8 | 0.0   | 355.8 |

