

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032724\  
 Data File : VN081590.D  
 Acq On : 27 Mar 2024 17:09  
 Operator : JC\MD  
 Sample : PB159779ZHE#06  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB159779ZHE#06

Quant Time: Mar 28 01:30:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

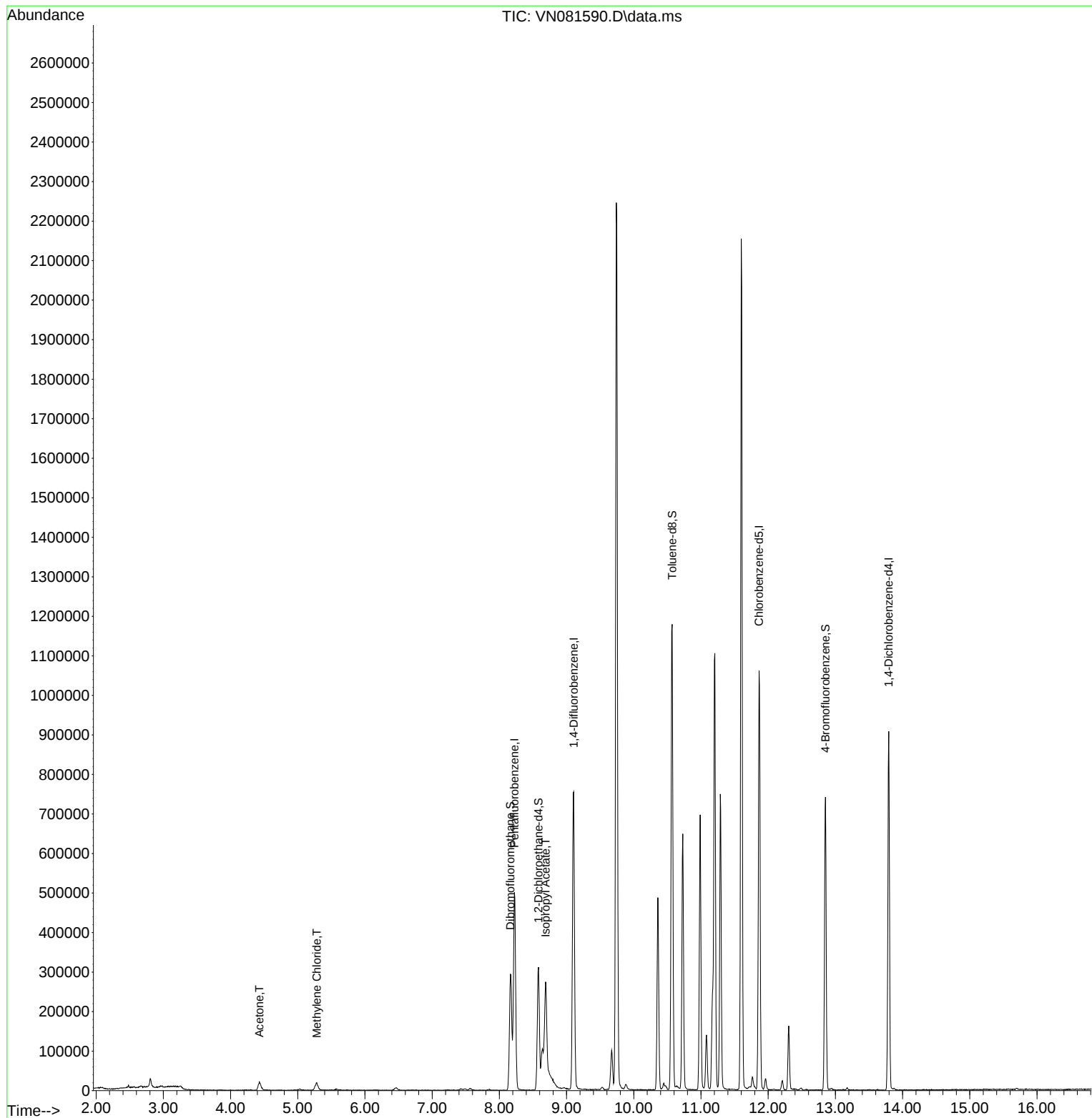
| Compound                    | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                       |           |                |          |            |        |          |
| Internal Standards          |           |                |          |            |        |          |
| 1) Pentafluorobenzene       | 8.224     | 168            | 360457   | 50.000     | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 9.106     | 114            | 684071   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117            | 639719   | 50.000     | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152            | 243652   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582     | 65             | 250970   | 54.597     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | = 109.200% |        |          |
| 35) Dibromofluoromethane    | 8.165     | 113            | 217951   | 50.484     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | = 100.960% |        |          |
| 50) Toluene-d8              | 10.571    | 98             | 832067   | 53.317     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | = 106.640% |        |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95             | 254531   | 46.287     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 64 - 133 | Recovery | = 92.580%  |        |          |
| Target Compounds            |           |                |          |            |        |          |
|                             |           |                |          |            |        | Qvalue   |
| 16) Acetone                 | 4.430     | 43             | 36357    | 24.473     | ug/l   | 98       |
| 20) Methylene Chloride      | 5.283     | 84             | 14204    | 2.919      | ug/l # | 79       |
| 43) Isopropyl Acetate       | 8.688     | 43             | 368414   | 35.725     | ug/l # | 83       |
| -----                       |           |                |          |            |        |          |

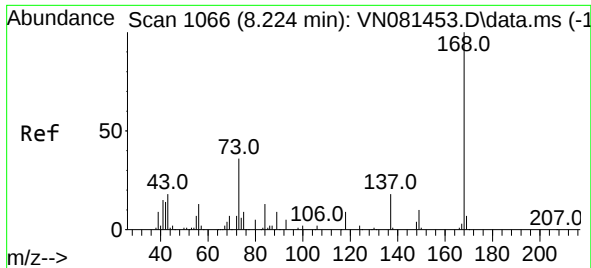
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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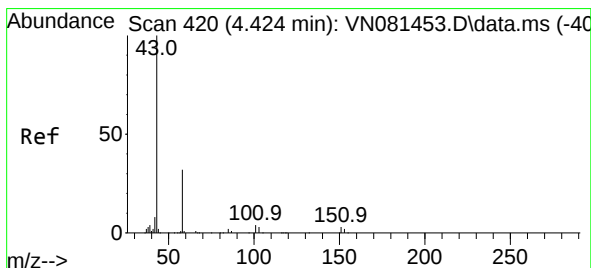
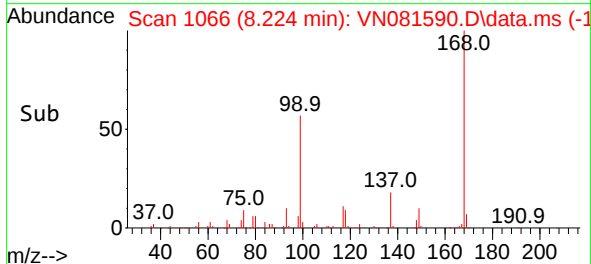
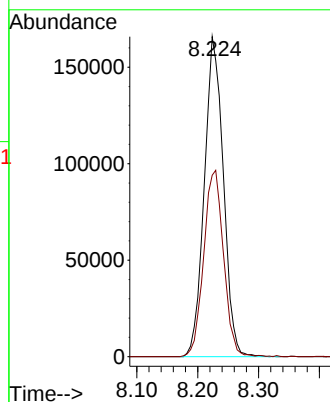
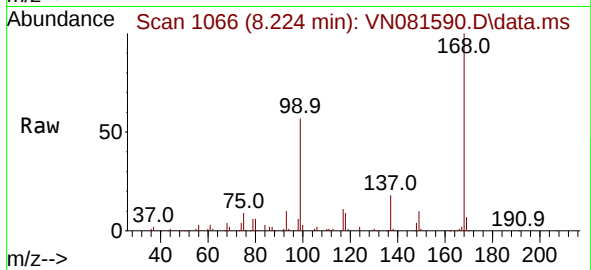




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081590.D  
Acq: 27 Mar 2024 17:09

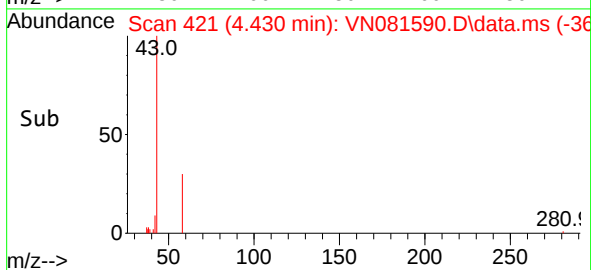
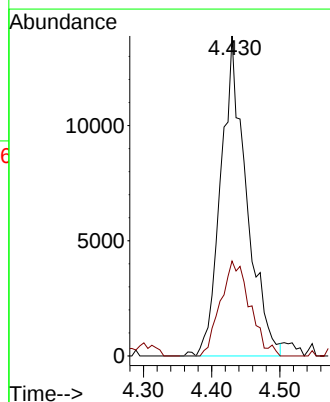
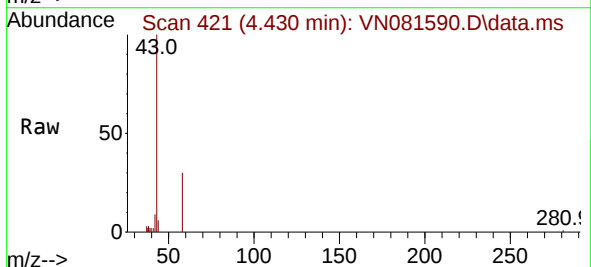
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB159779ZHE#06

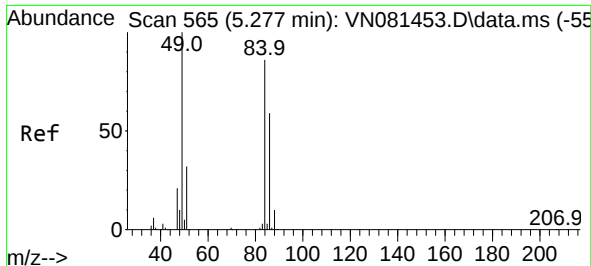
Tgt Ion:168 Resp: 360457  
Ion Ratio Lower Upper  
168 100  
99 56.7 59.9 89.9#



#16  
Acetone  
Concen: 24.473 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN081590.D  
Acq: 27 Mar 2024 17:09

Tgt Ion: 43 Resp: 36357  
Ion Ratio Lower Upper  
43 100  
58 29.7 24.8 37.2

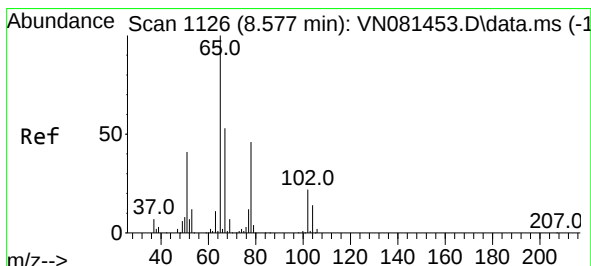
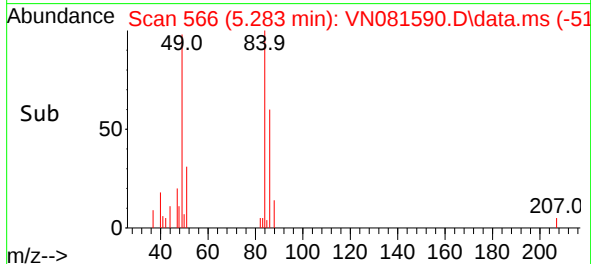
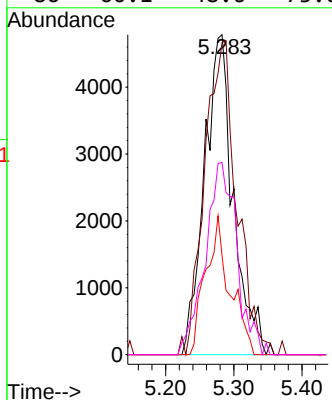
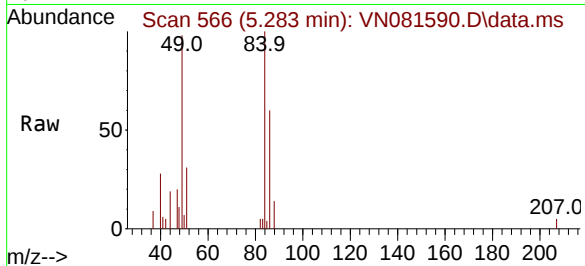




#20  
Methylene Chloride  
Concen: 2.919 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN081590.D  
Acq: 27 Mar 2024 17:09

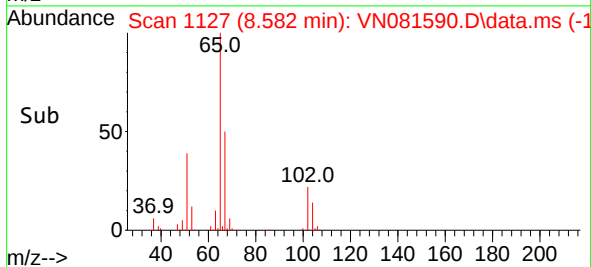
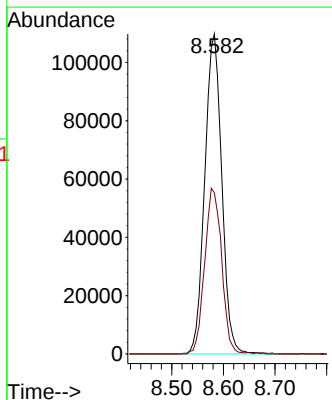
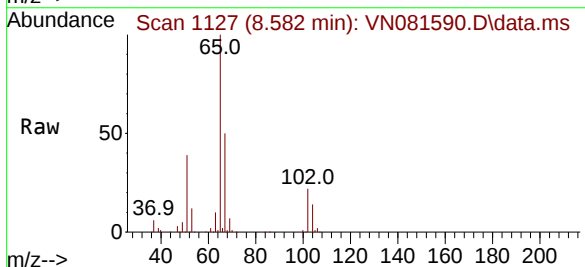
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ClientSampleId :  
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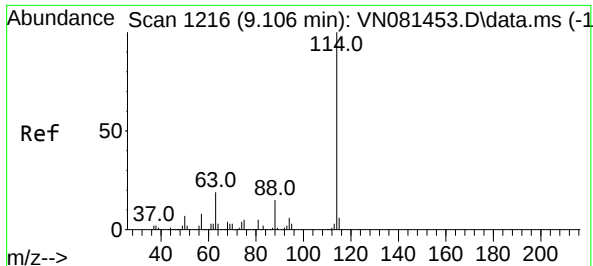
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 14204  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 97.6  | 108.1 | 162.1# |
| 51       | 30.9  | 32.9  | 49.3#  |
| 86       | 60.1  | 48.6  | 73.0   |



#33  
1,2-Dichloroethane-d4  
Concen: 54.597 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081590.D  
Acq: 27 Mar 2024 17:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 250970 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.7  | 0.0   | 102.4  |

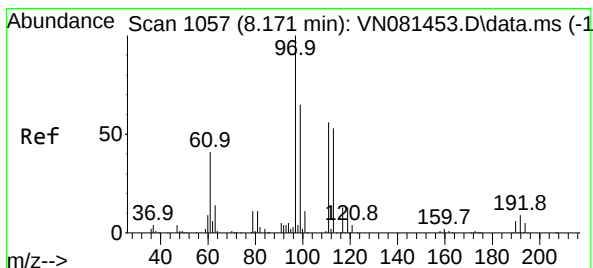
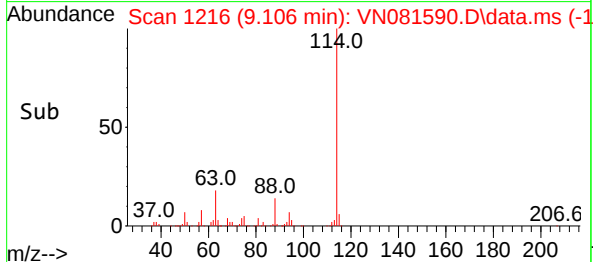
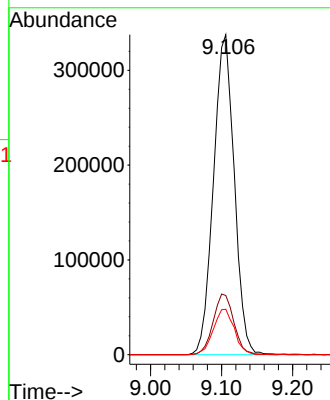
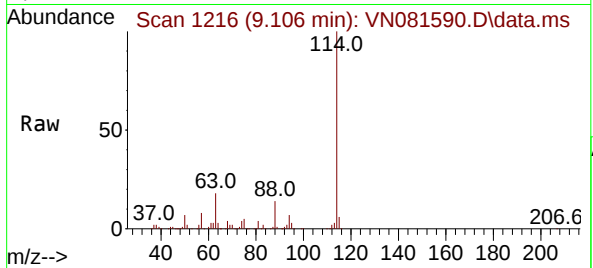




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081590.D  
Acq: 27 Mar 2024 17:09

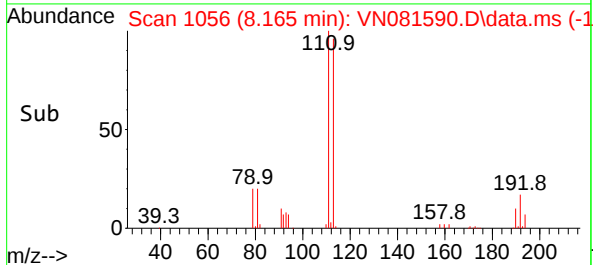
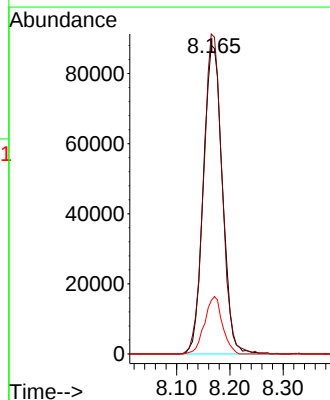
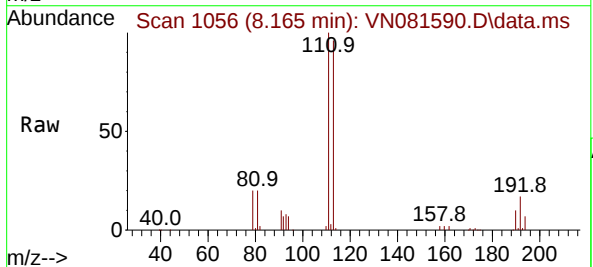
Instrument :  
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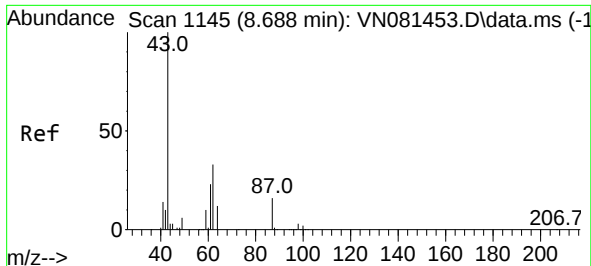
Tgt Ion:114 Resp: 684071  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 48.0  
88 14.2 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 50.484 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN081590.D  
Acq: 27 Mar 2024 17:09

Tgt Ion:113 Resp: 217951  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.2 123.4  
192 17.5 12.5 18.7

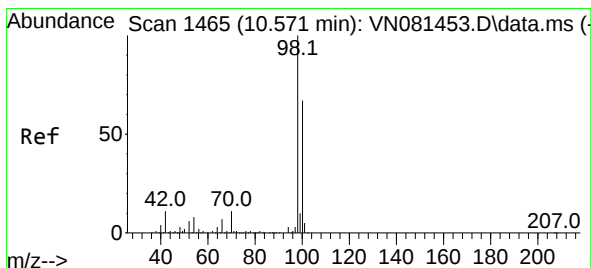
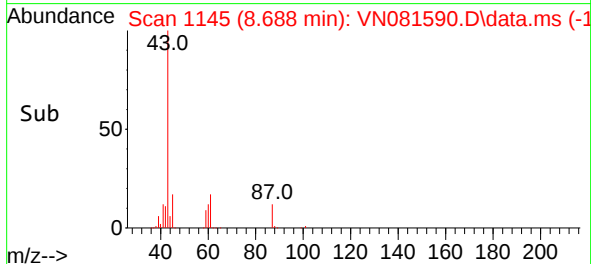
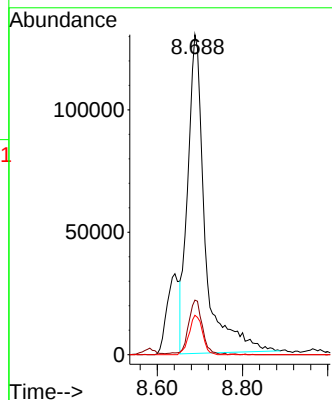
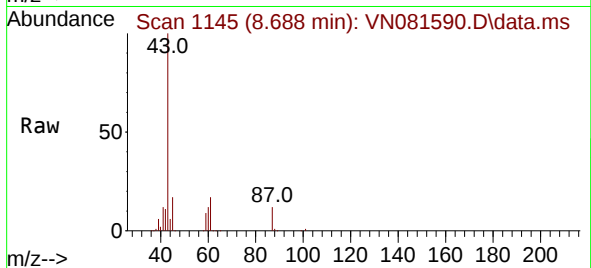




#43  
Isopropyl Acetate  
Concen: 35.725 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN081590.D  
Acq: 27 Mar 2024 17:09

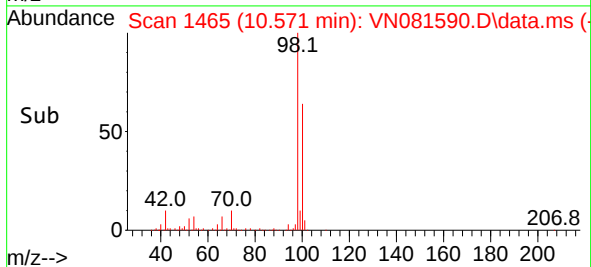
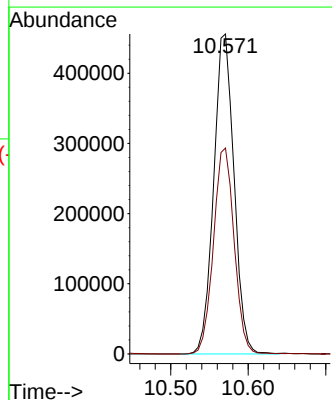
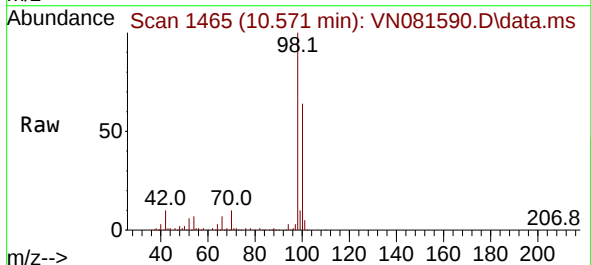
Instrument :  
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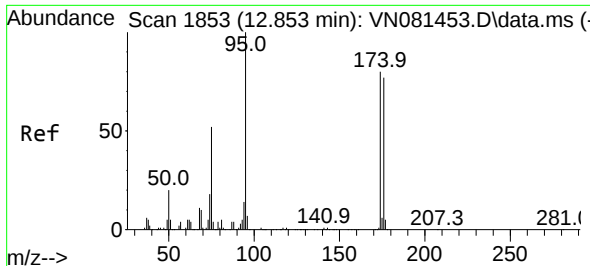
Tgt Ion: 43 Resp: 368414  
Ion Ratio Lower Upper  
43 100  
61 13.4 19.9 29.9#  
87 9.5 9.0 13.6



#50  
Toluene-d8  
Concen: 53.317 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN081590.D  
Acq: 27 Mar 2024 17:09

Tgt Ion: 98 Resp: 832067  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.4 77.0

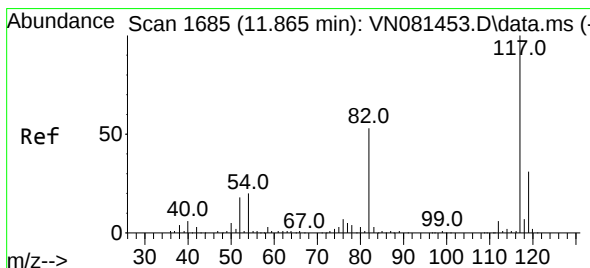
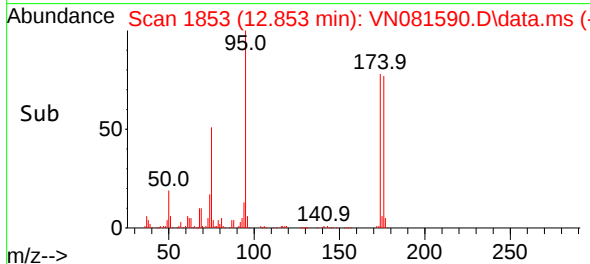
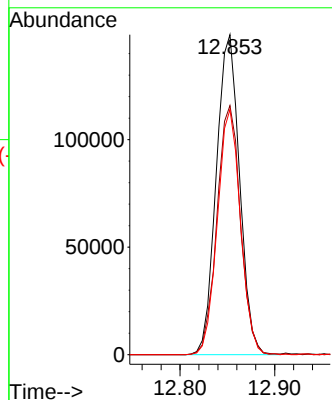
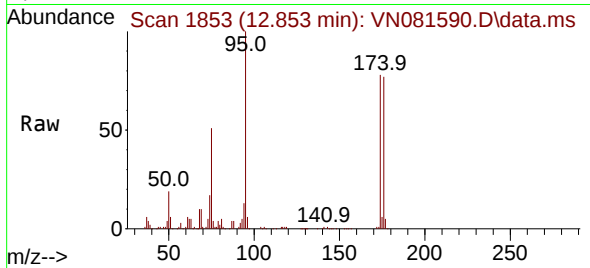




#62  
4-Bromofluorobenzene  
Concen: 46.287 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN081590.D  
Acq: 27 Mar 2024 17:09

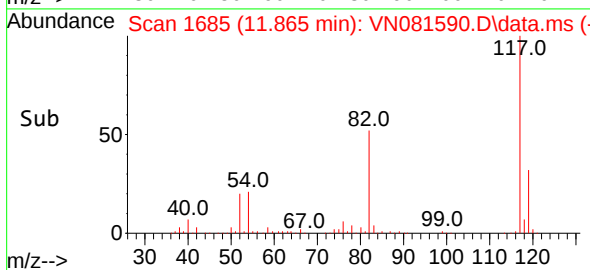
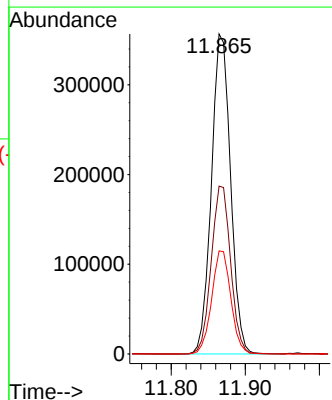
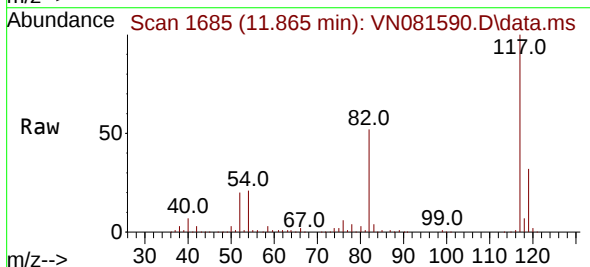
Instrument :  
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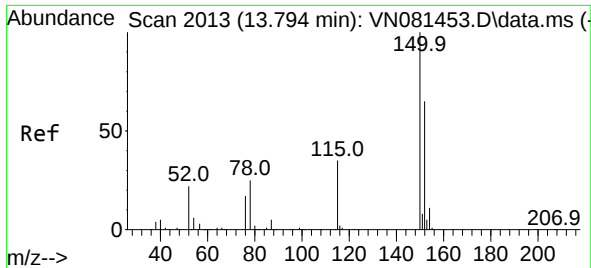
Tgt Ion: 95 Resp: 254531  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 120.4  
176 75.7 0.0 121.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN081590.D  
Acq: 27 Mar 2024 17:09

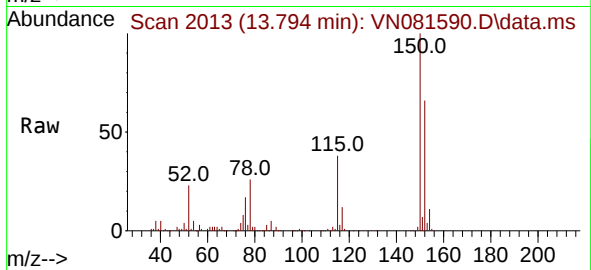
Tgt Ion: 117 Resp: 639719  
Ion Ratio Lower Upper  
117 100  
82 52.5 52.7 79.1#  
119 32.2 25.3 37.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN081590.D  
 Acq: 27 Mar 2024 17:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB159779ZHE#06



Tgt Ion:152 Resp: 243652  
 Ion Ratio Lower Upper  
 152 100  
 115 62.6 32.3 96.8  
 150 157.8 0.0 339.8

