

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081823\  
 Data File : VN078953.D  
 Acq On : 18 Aug 2023 19:36  
 Operator : JC\MD  
 Sample : PB154902ZHE#10  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB154902ZHE#10

Quant Time: Aug 18 23:48:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 16 02:42:02 2023  
 Response via : Initial Calibration

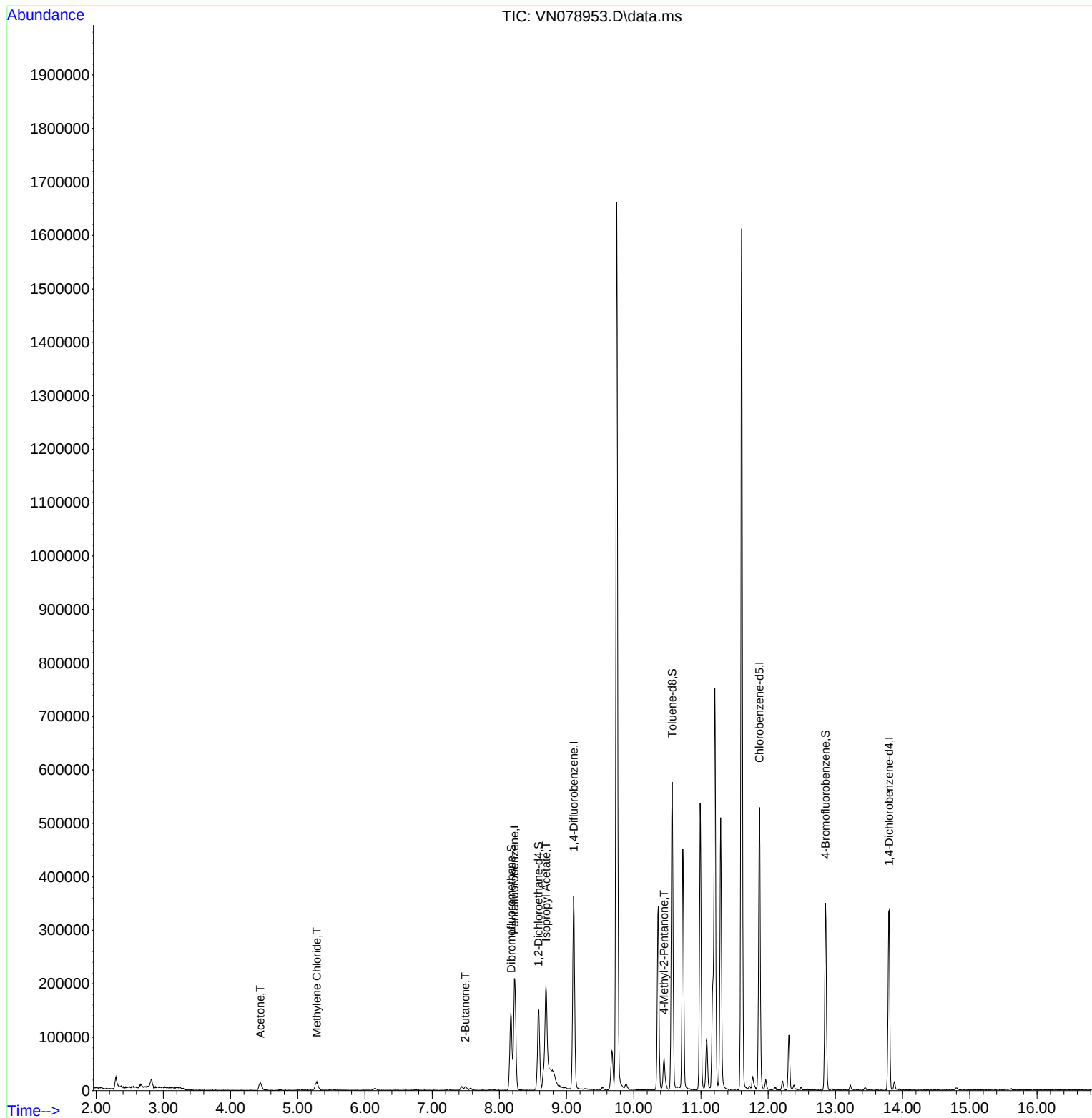
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 149778   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 293103   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 289928   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152   | 87755    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 119835   | 51.416   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.840% |          |
| 35) Dibromofluoromethane    | 8.177  | 113   | 101138   | 51.261   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 102.520% |          |
| 50) Toluene-d8              | 10.570 | 98    | 382946   | 52.272   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 104.540% |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 113151   | 47.253   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 94.500%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.441  | 43    | 27465    | 28.560   | ug/l       | 100      |
| 20) Methylene Chloride      | 5.283  | 84    | 11796    | 5.756    | ug/l #     | 83       |
| 25) 2-Butanone              | 7.494  | 43    | 11031    | 7.155    | ug/l #     | 68       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 266196   | 45.354   | ug/l #     | 69       |
| 51) 4-Methyl-2-Pentanone    | 10.453 | 43    | 47482    | 13.640   | ug/l #     | 78       |
| -----                       |        |       |          |          |            |          |

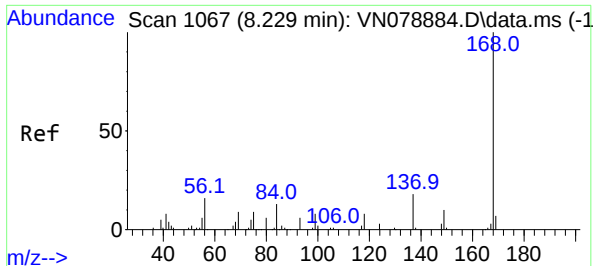
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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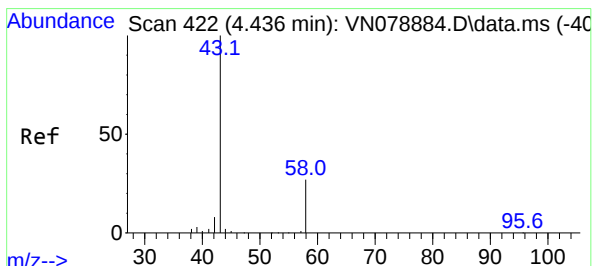
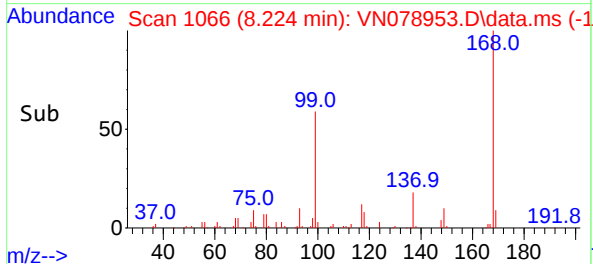
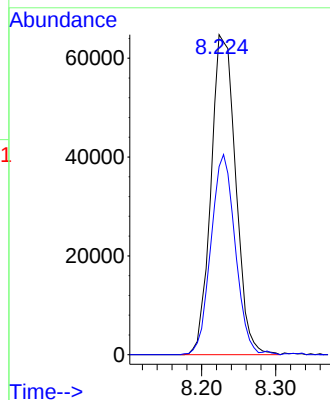
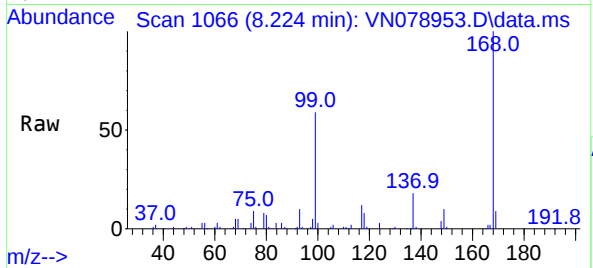




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.006 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

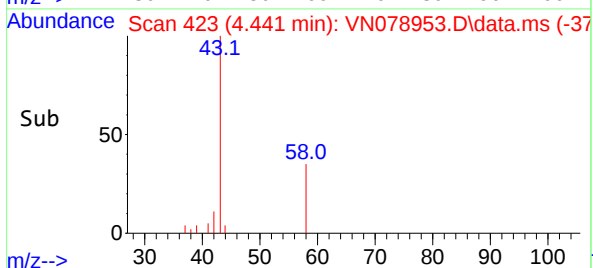
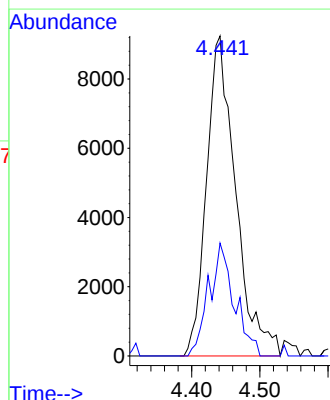
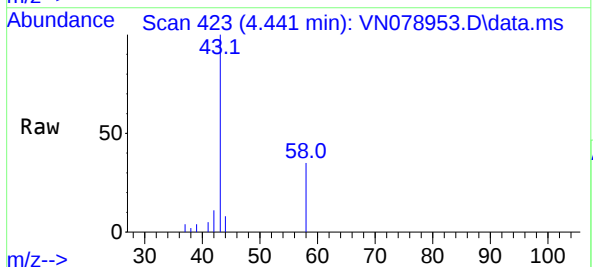
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB154902ZHE#10

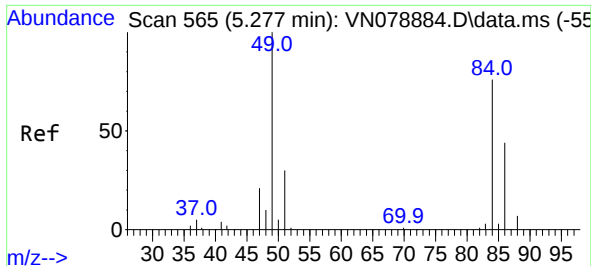
Tgt Ion:168 Resp: 149778  
Ion Ratio Lower Upper  
168 100  
99 58.7 53.0 79.6



#16  
Acetone  
Concen: 28.560 ug/l  
RT: 4.441 min Scan# 423  
Delta R.T. -0.001 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

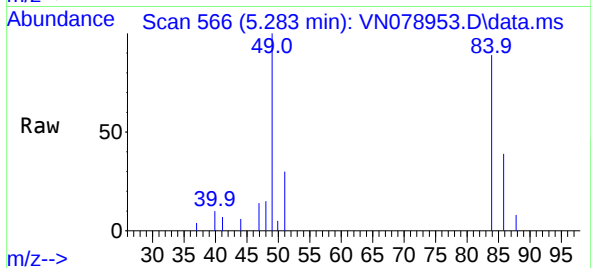
Tgt Ion: 43 Resp: 27465  
Ion Ratio Lower Upper  
43 100  
58 35.2 28.0 42.0





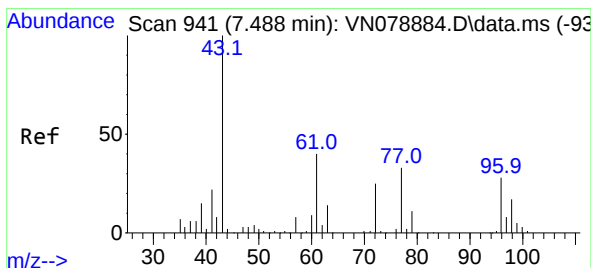
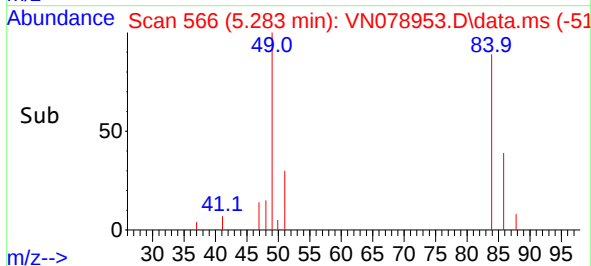
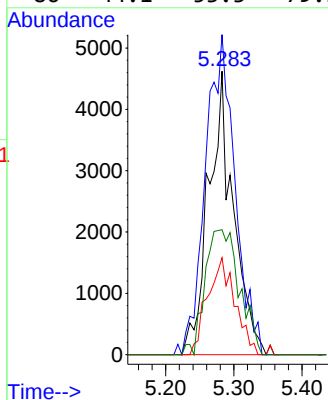
#20  
Methylene Chloride  
Concen: 5.756 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB154902ZHE#10



Tgt Ion: 84 Resp: 11796

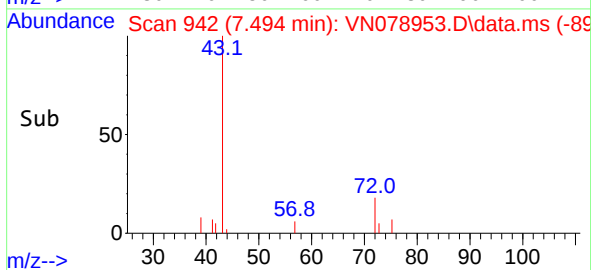
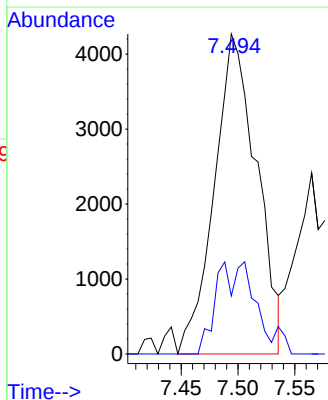
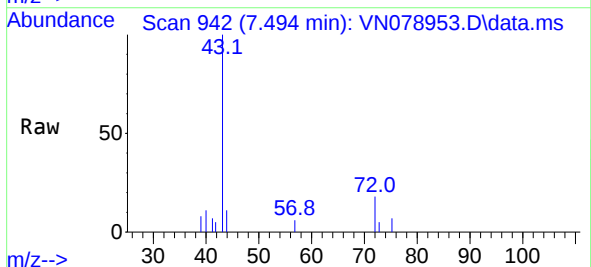
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 112.9 | 79.7  | 119.5 |
| 51  | 34.2  | 25.2  | 37.8  |
| 86  | 44.1  | 53.3  | 79.9# |

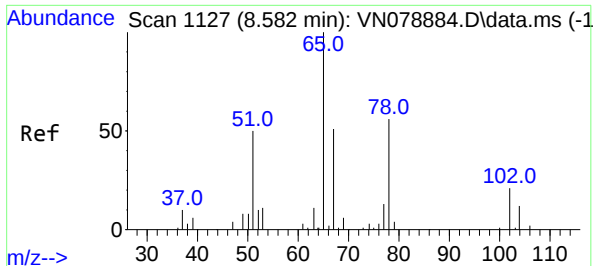


#25  
2-Butanone  
Concen: 7.155 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

Tgt Ion: 43 Resp: 11031

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 18.2  | 30.2  | 45.2# |

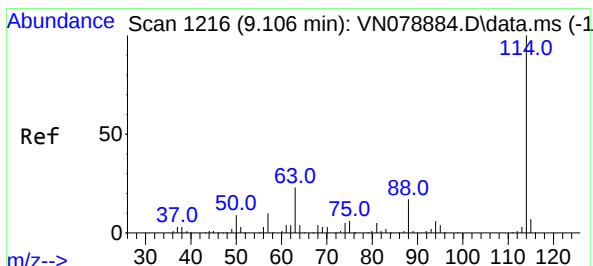
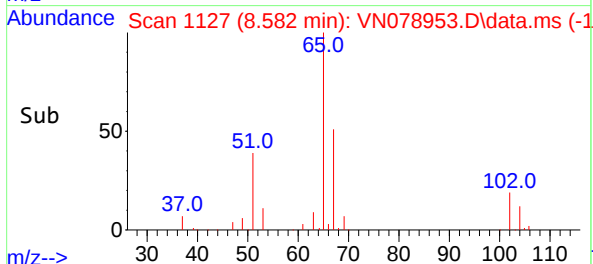
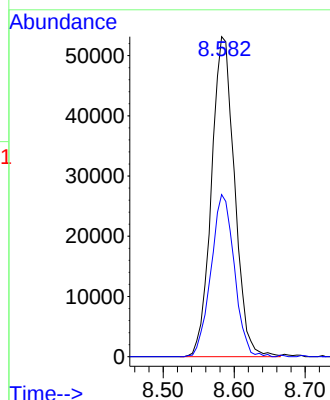
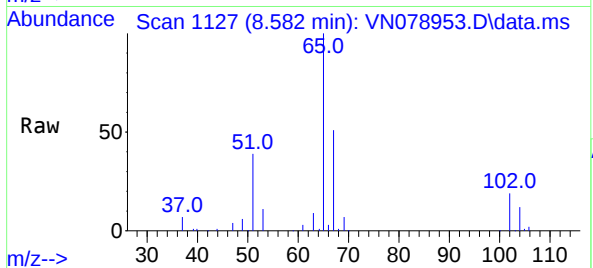




#33  
1,2-Dichloroethane-d4  
Concen: 51.416 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.001 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

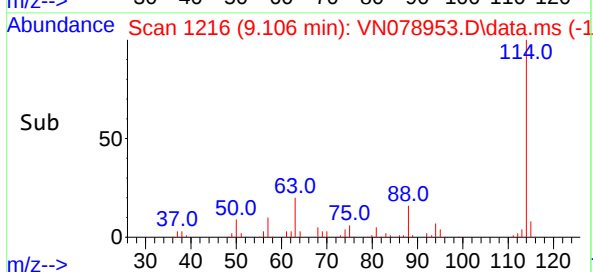
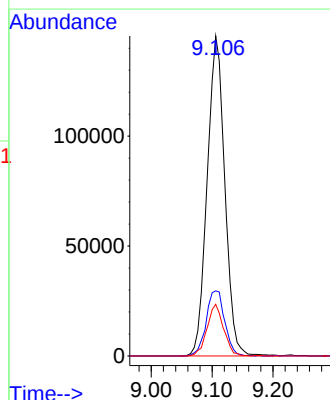
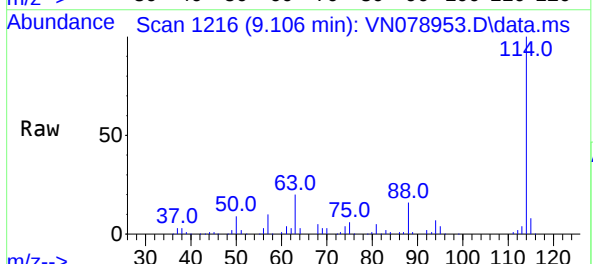
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB154902ZHE#10

Tgt Ion: 65 Resp: 119835  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 106.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. -0.006 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

Tgt Ion: 114 Resp: 293103  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 36.4  
88 16.1 0.0 30.6

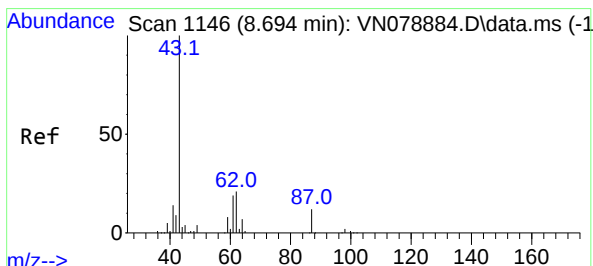
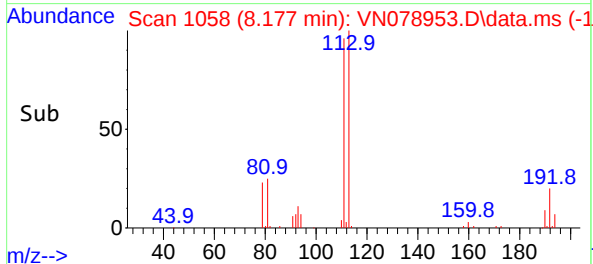
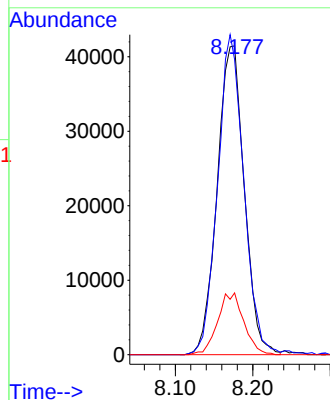
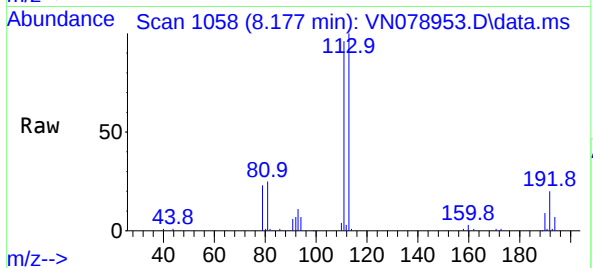




#35  
Dibromofluoromethane  
Concen: 51.261 ug/l  
RT: 8.177 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

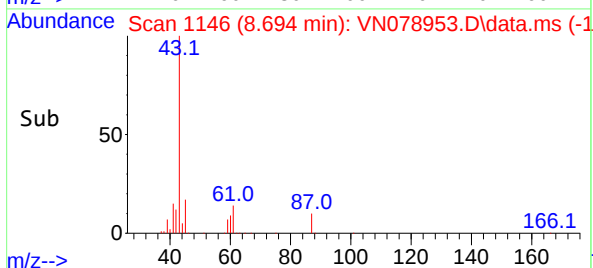
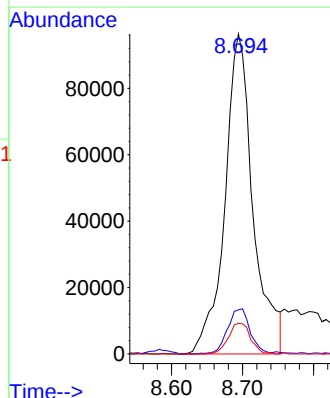
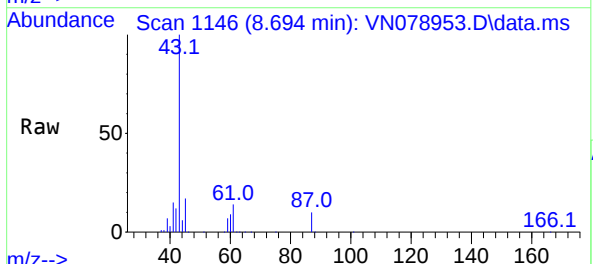
Instrument :  
MSVOA\_N  
ClientSampleId :  
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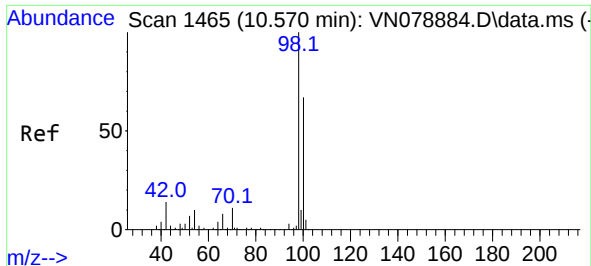
Tgt Ion:113 Resp: 101138  
Ion Ratio Lower Upper  
113 100  
111 100.3 82.6 123.8  
192 19.2 12.7 19.1#



#43  
Isopropyl Acetate  
Concen: 45.354 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

Tgt Ion: 43 Resp: 266196  
Ion Ratio Lower Upper  
43 100  
61 11.3 24.7 37.1#  
87 7.5 14.6 21.8#

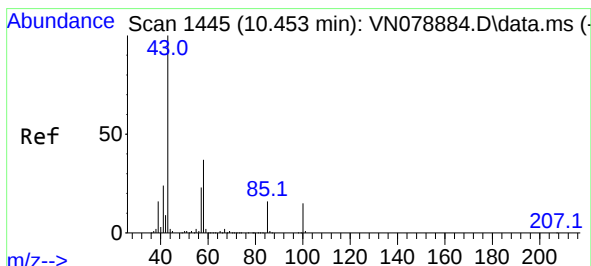
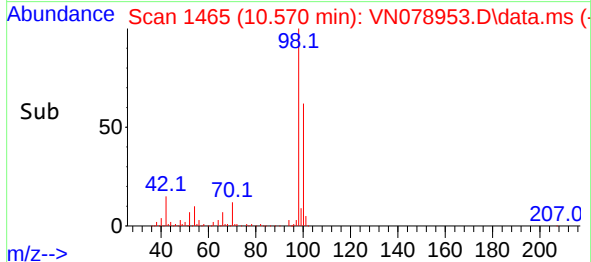
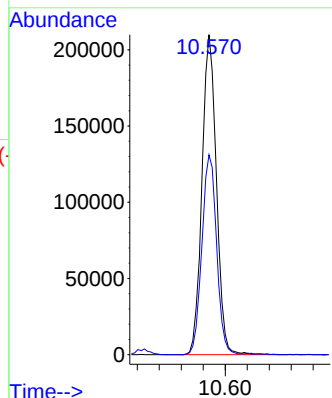
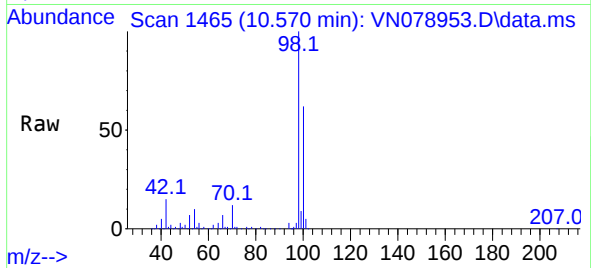




#50  
Toluene-d8  
Concen: 52.272 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. -0.001 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

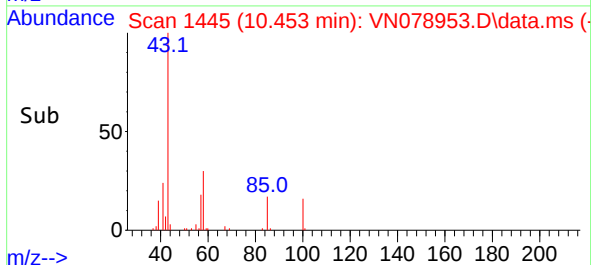
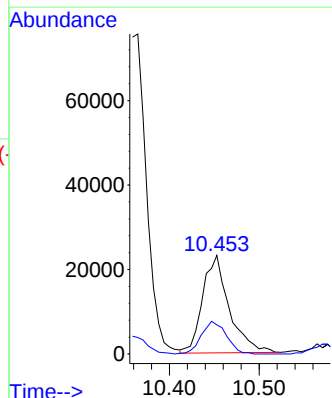
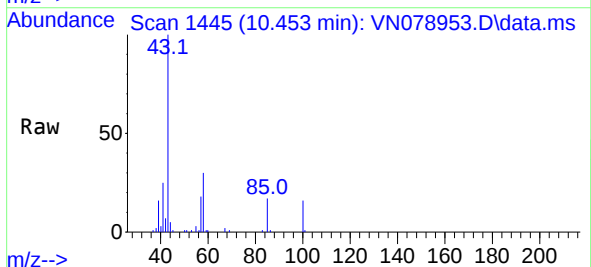
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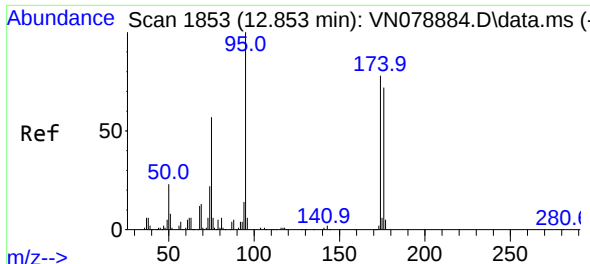
Tgt Ion: 98 Resp: 382946  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 13.640 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

Tgt Ion: 43 Resp: 47482  
Ion Ratio Lower Upper  
43 100  
58 31.4 36.6 54.8#

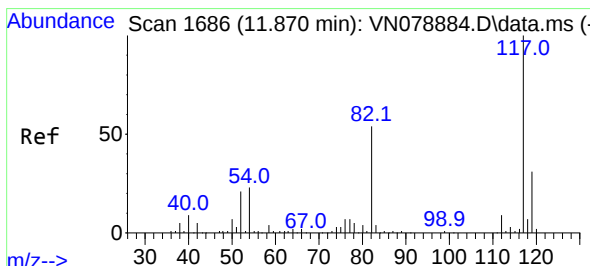
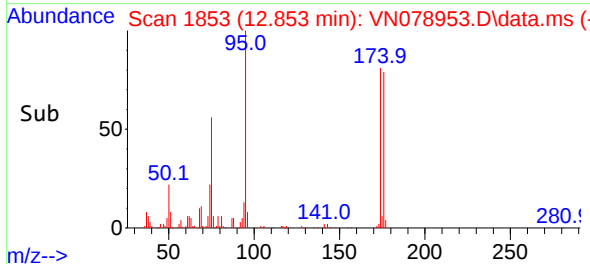
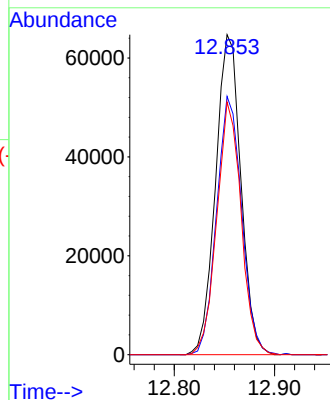
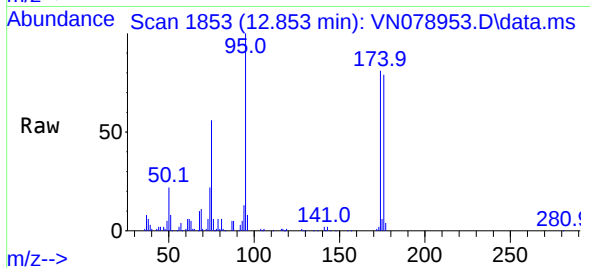




#62  
4-Bromofluorobenzene  
Concen: 47.253 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

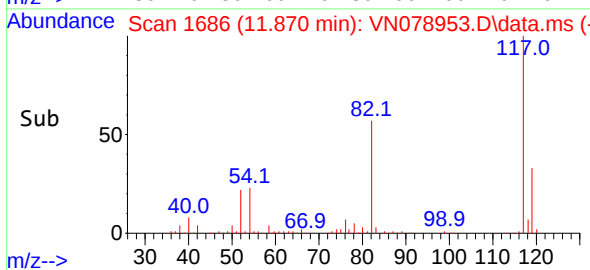
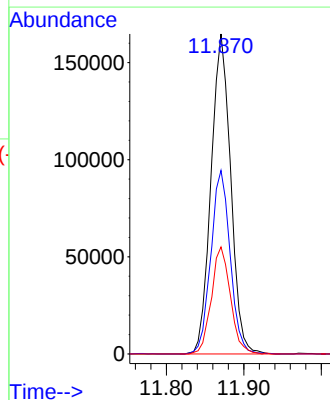
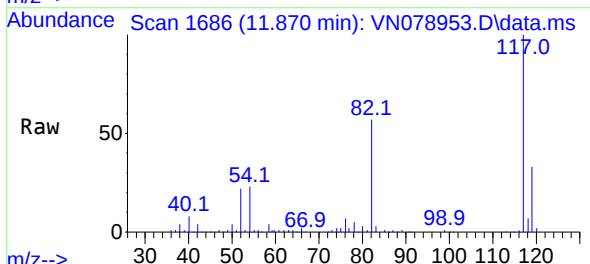
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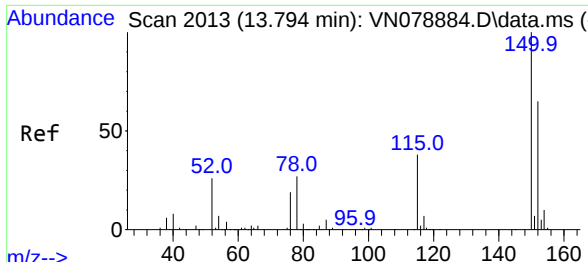
Tgt Ion: 95 Resp: 113151  
Ion Ratio Lower Upper  
95 100  
174 80.1 0.0 143.8  
176 75.8 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. -0.001 min  
Lab File: VN078953.D  
Acq: 18 Aug 2023 19:36

Tgt Ion: 117 Resp: 289928  
Ion Ratio Lower Upper  
117 100  
82 57.3 44.0 66.0  
119 33.4 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.800 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN078953.D  
 Acq: 18 Aug 2023 19:36

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB154902ZHE#10

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 87755       |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 58.9  | 32.3 96.8   |
| 150         | 158.1 | 0.0 355.8   |

