

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082923\  
 Data File : VN079099.D  
 Acq On : 29 Aug 2023 17:18  
 Operator : JC\MD  
 Sample : PB155153ZHE#08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB155153ZHE#08

Quant Time: Aug 29 23:31:20 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

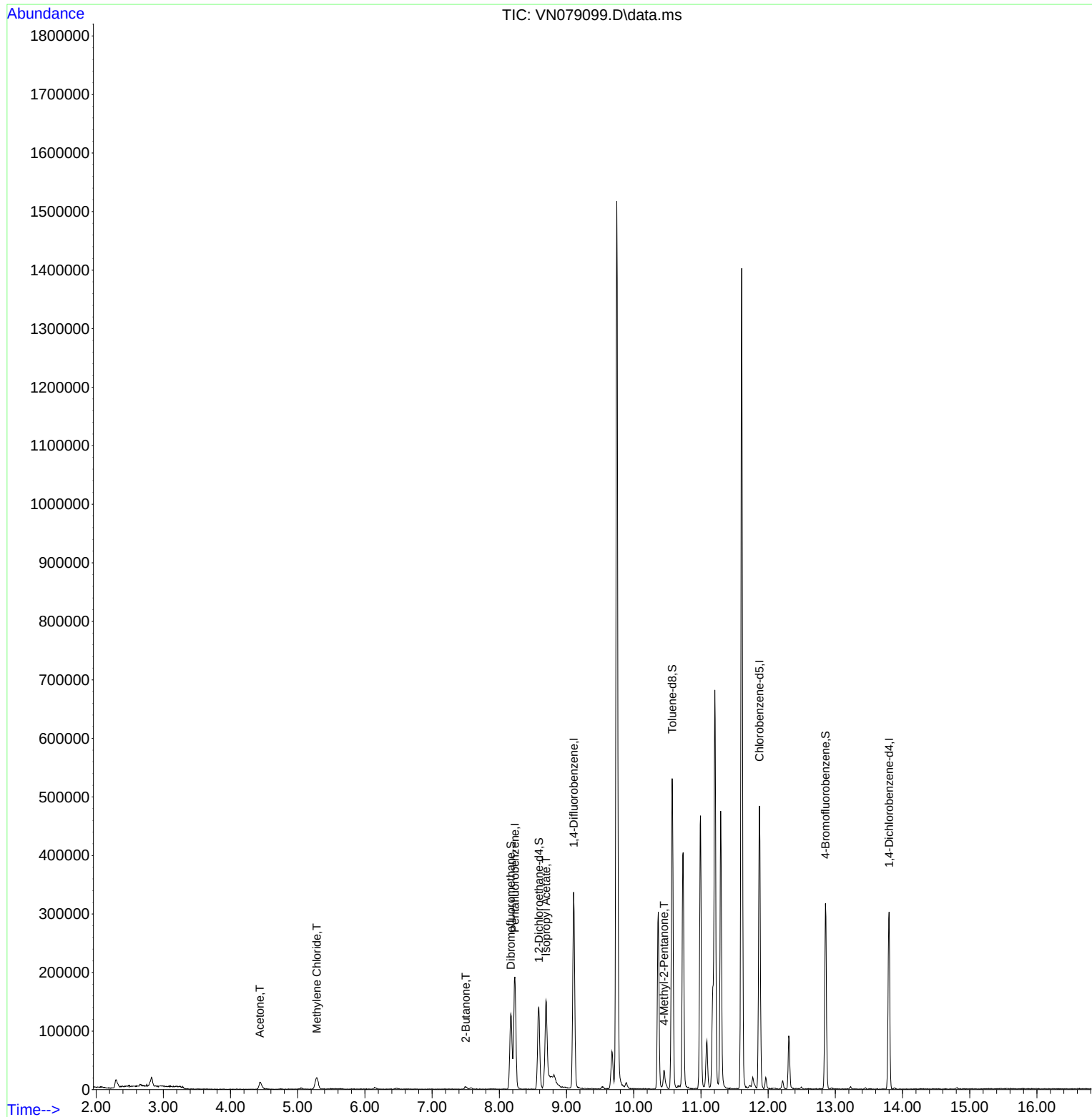
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 137076   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 273715   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 268628   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800    | 152   | 80075    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.588     | 65    | 112032   | 52.523   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 105.040% |          |
| 35) Dibromofluoromethane    | 8.171     | 113   | 93228    | 50.598   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 101.200% |          |
| 50) Toluene-d8              | 10.571    | 98    | 358761   | 52.440   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 104.880% |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 102450   | 45.815   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 91.620%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.436     | 43    | 23948    | 27.210   | ug/l #     | 86       |
| 20) Methylene Chloride      | 5.283     | 84    | 14978    | 7.986    | ug/l #     | 80       |
| 25) 2-Butanone              | 7.500     | 43    | 7237     | 5.129    | ug/l #     | 80       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 196628   | 35.874   | ug/l #     | 73       |
| 51) 4-Methyl-2-Pentanone    | 10.453    | 43    | 25767    | 7.926    | ug/l #     | 82       |
| -----                       |           |       |          |          |            |          |

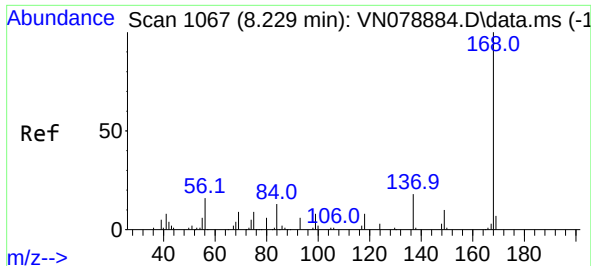
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Aug 16 02:42:02 2023  
Response via : Initial Calibration

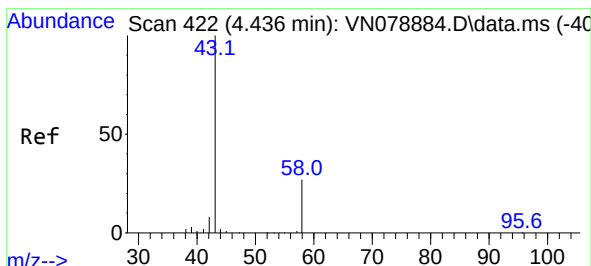
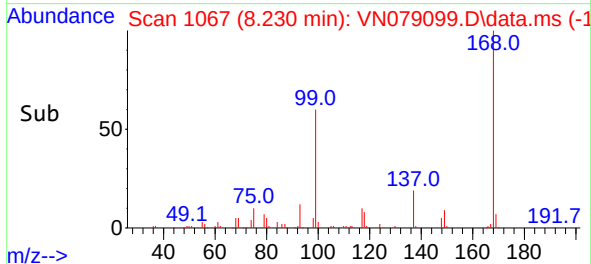
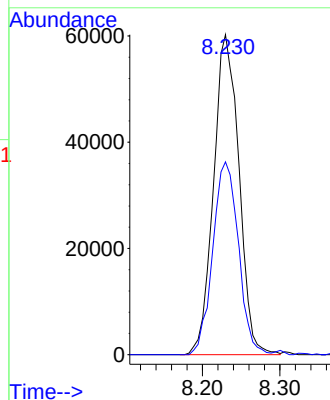
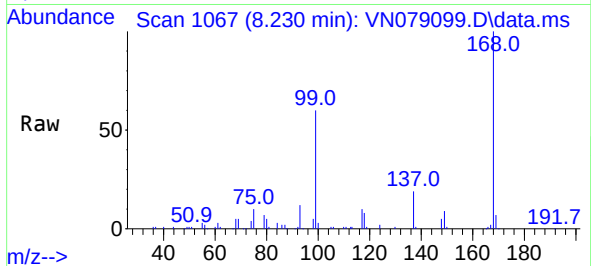




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

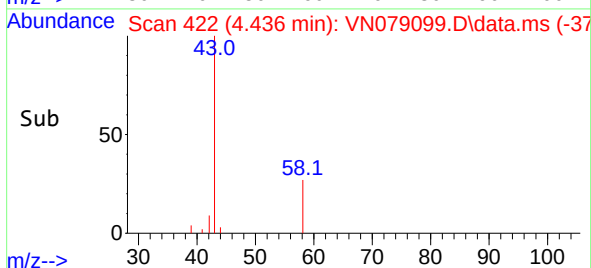
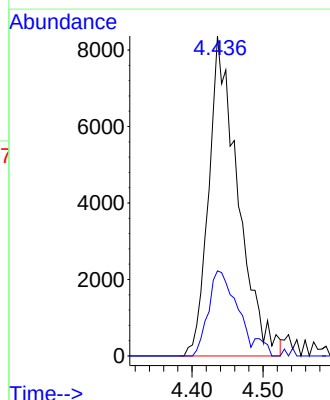
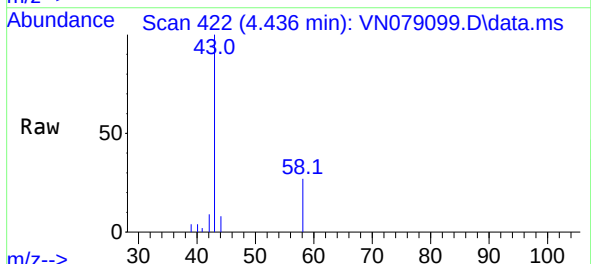
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB155153ZHE#08

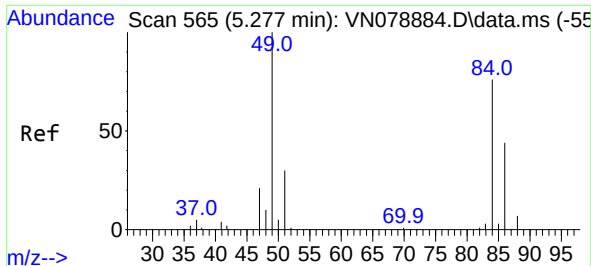
Tgt Ion:168 Resp: 137076  
Ion Ratio Lower Upper  
168 100  
99 60.3 53.0 79.6



#16  
Acetone  
Concen: 27.210 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. -0.006 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

Tgt Ion: 43 Resp: 23948  
Ion Ratio Lower Upper  
43 100  
58 26.6 28.0 42.0#



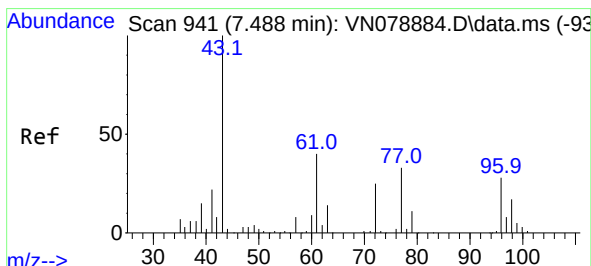
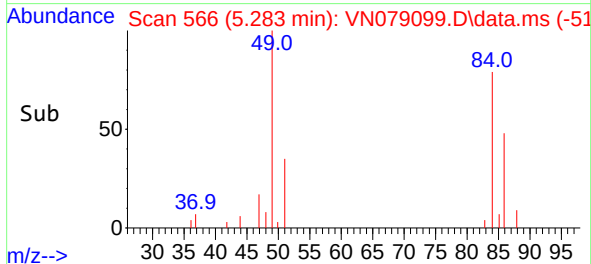
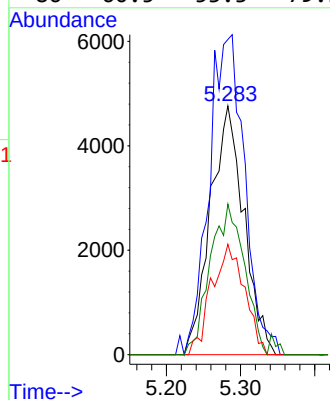
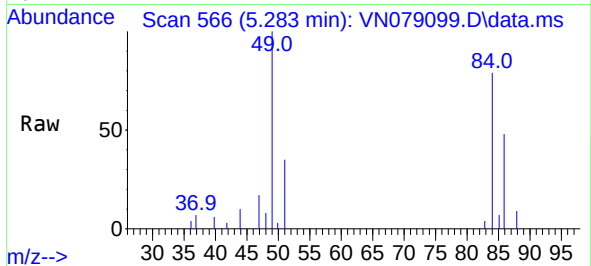


#20  
Methylene Chloride  
Concen: 7.986 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB155153ZHE#08

Tgt Ion: 84 Resp: 14978

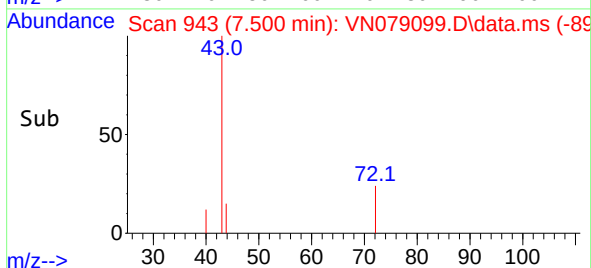
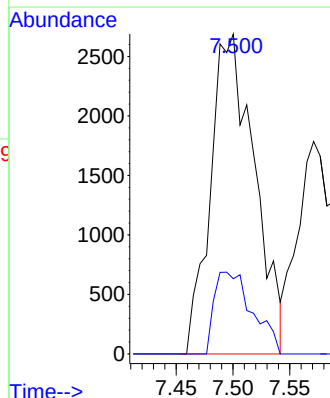
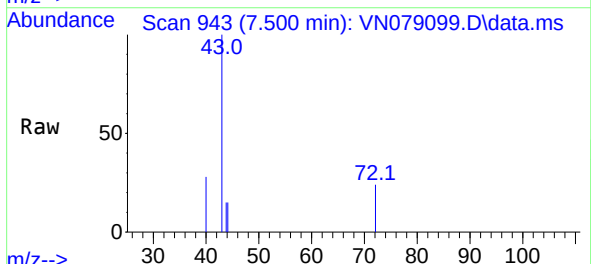
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 126.7 | 79.7  | 119.5# |
| 51  | 44.4  | 25.2  | 37.8#  |
| 86  | 60.5  | 53.3  | 79.9   |

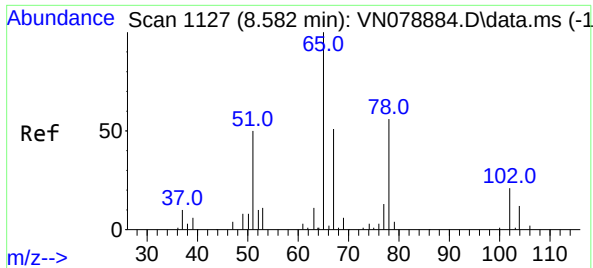


#25  
2-Butanone  
Concen: 5.129 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.006 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

Tgt Ion: 43 Resp: 7237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 25.8  | 30.2  | 45.2# |

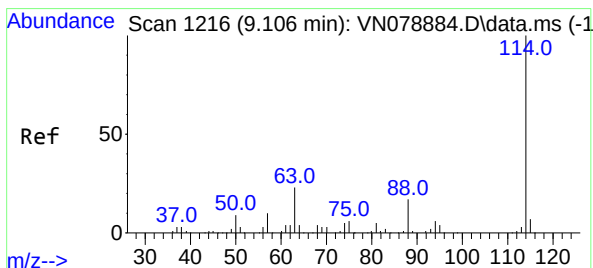
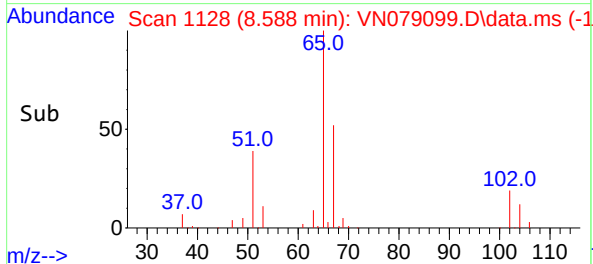
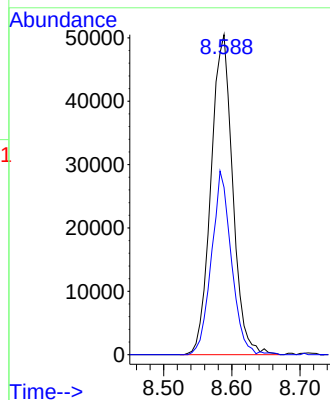
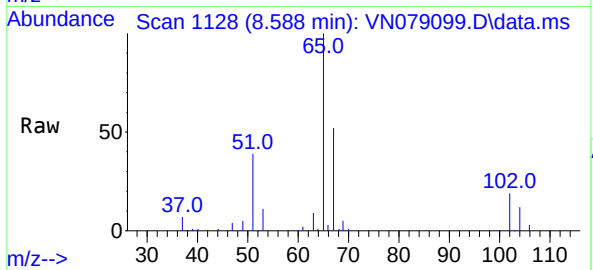




#33  
1,2-Dichloroethane-d4  
Concen: 52.523 ug/l  
RT: 8.588 min Scan# 1127  
Delta R.T. 0.005 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

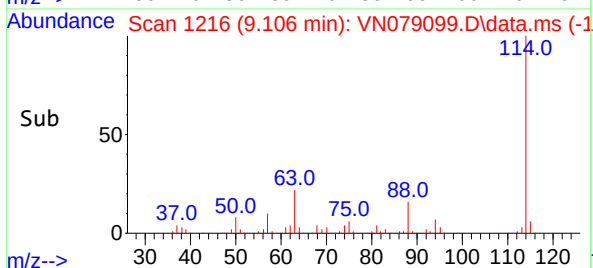
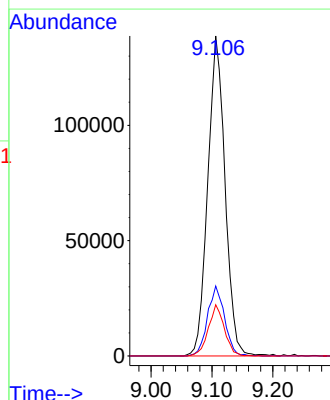
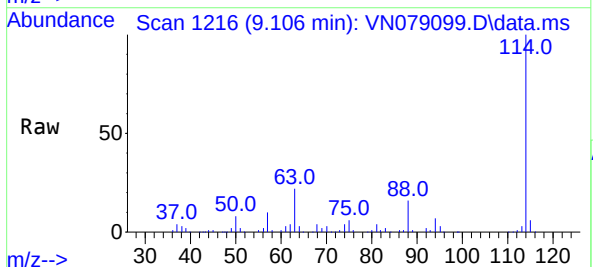
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB155153ZHE#08

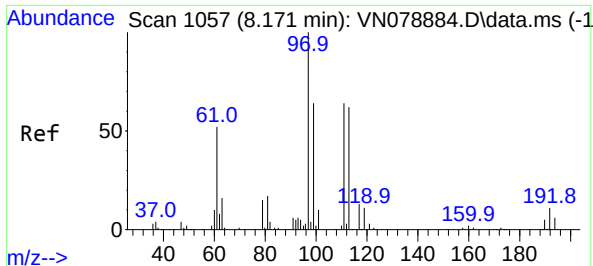
Tgt Ion: 65 Resp: 112032  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 106.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. -0.006 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

Tgt Ion: 114 Resp: 273715  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 36.4  
88 16.0 0.0 30.6

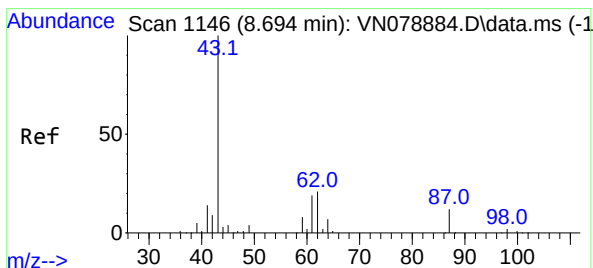
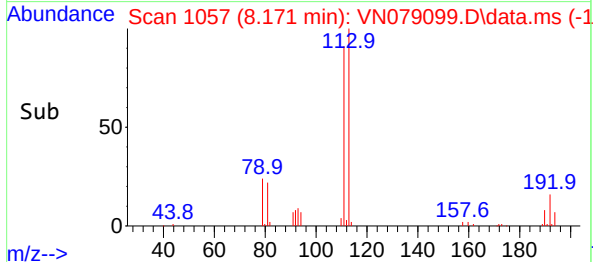
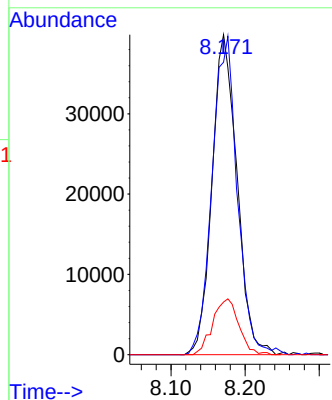
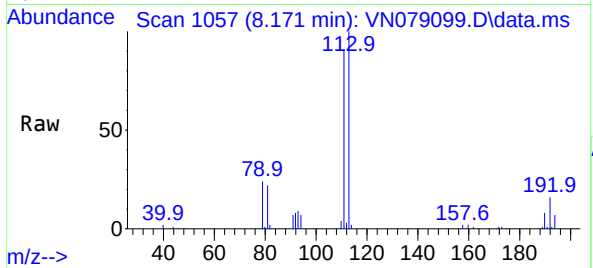




#35  
Dibromofluoromethane  
Concen: 50.598 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

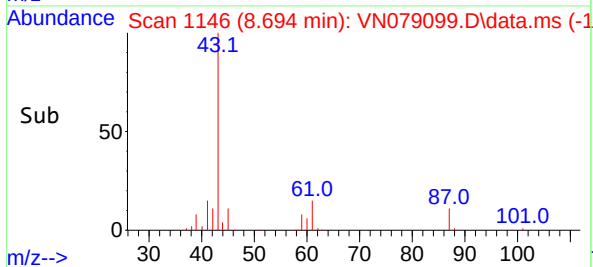
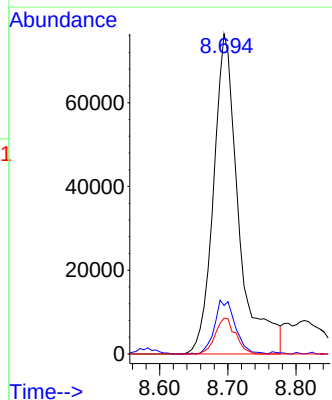
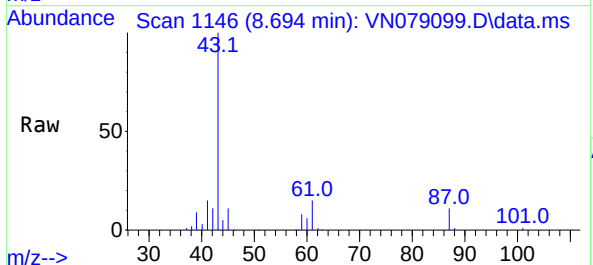
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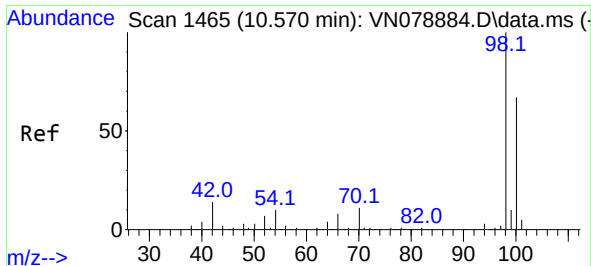
Tgt Ion:113 Resp: 93228  
Ion Ratio Lower Upper  
113 100  
111 100.3 82.6 123.8  
192 18.2 12.7 19.1



#43  
Isopropyl Acetate  
Concen: 35.874 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

Tgt Ion: 43 Resp: 196628  
Ion Ratio Lower Upper  
43 100  
61 13.8 24.7 37.1#  
87 9.0 14.6 21.8#

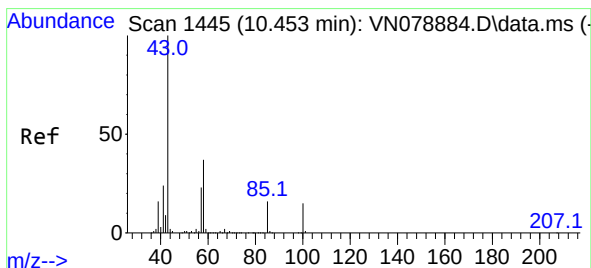
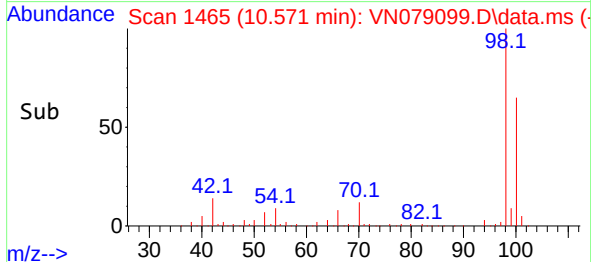
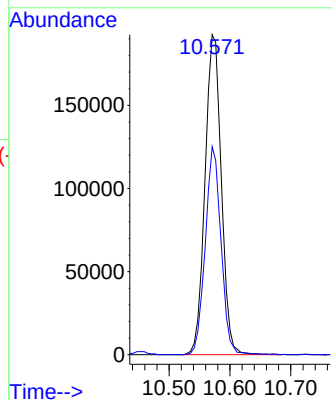
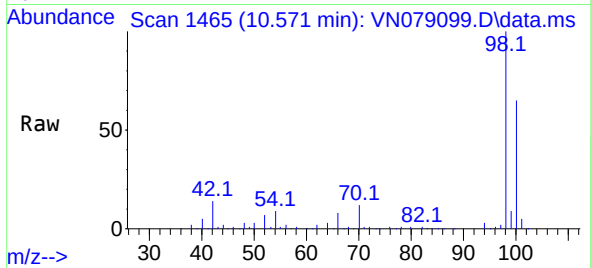




#50  
Toluene-d8  
Concen: 52.440 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

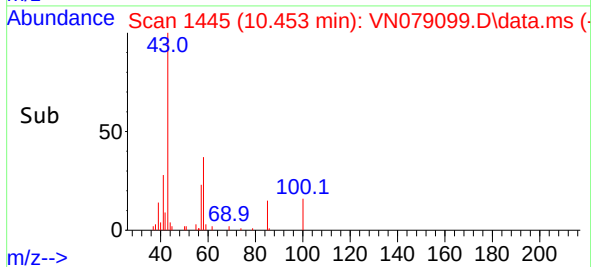
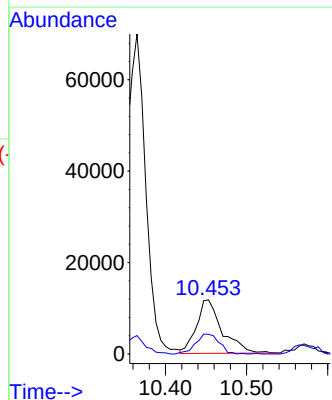
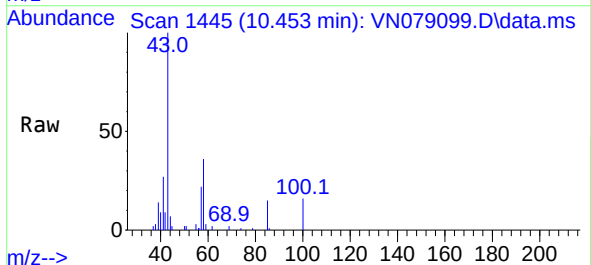
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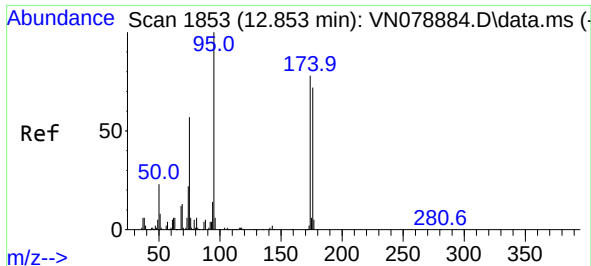
Tgt Ion: 98 Resp: 358761  
Ion Ratio Lower Upper  
98 100  
100 62.8 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 7.926 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

Tgt Ion: 43 Resp: 25767  
Ion Ratio Lower Upper  
43 100  
58 33.7 36.6 54.8#

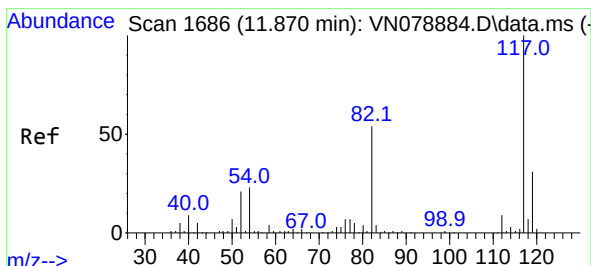
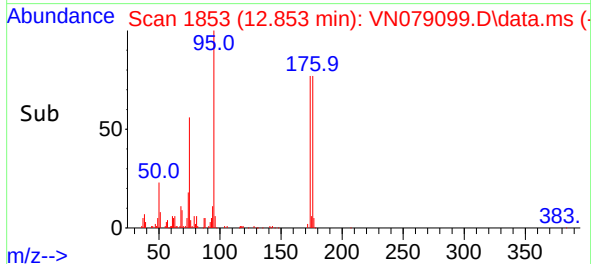
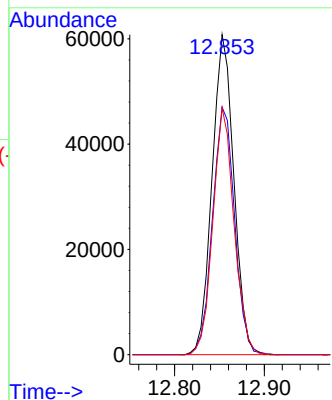
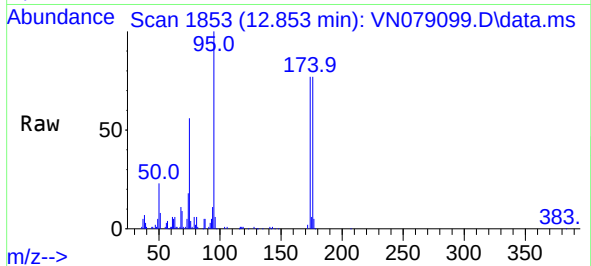




#62  
4-Bromofluorobenzene  
Concen: 45.815 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

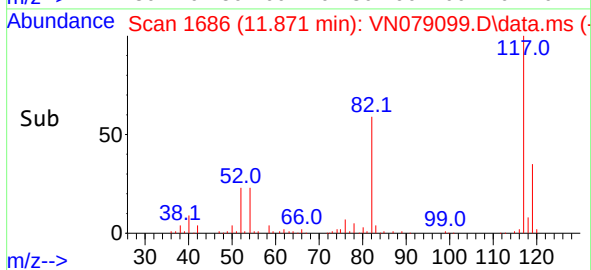
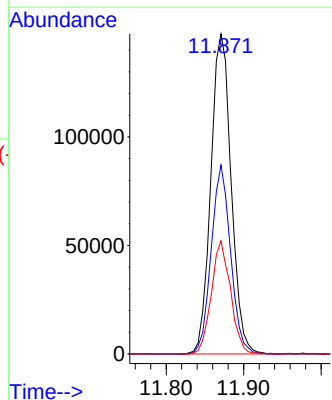
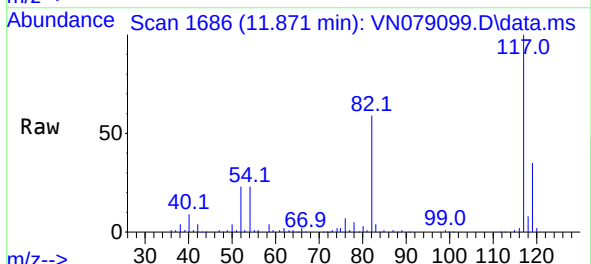
Instrument :  
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Tgt Ion: 95 Resp: 102450  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 143.8  
176 75.0 0.0 135.8

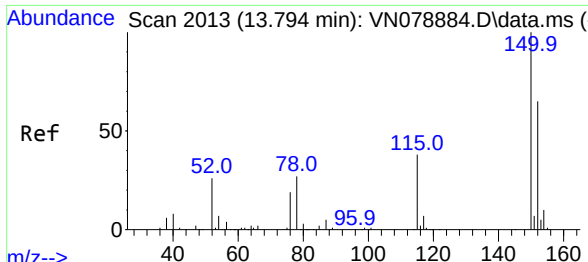


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN079099.D  
Acq: 29 Aug 2023 17:18

Tgt Ion: 117 Resp: 268628  
Ion Ratio Lower Upper  
117 100  
82 59.0 44.0 66.0  
119 35.3 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: VN079099.D  
 Acq: 29 Aug 2023 17:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB155153ZHE#08

Tgt Ion:152 Resp: 80075  
 Ion Ratio Lower Upper  
 152 100  
 115 60.9 32.3 96.8  
 150 154.7 0.0 355.8

