

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082223\  
 Data File : VN078990.D  
 Acq On : 22 Aug 2023 13:35  
 Operator : JC\MD  
 Sample : PB154968ZHE#05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB154968ZHE#05

Quant Time: Aug 23 03:01:41 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

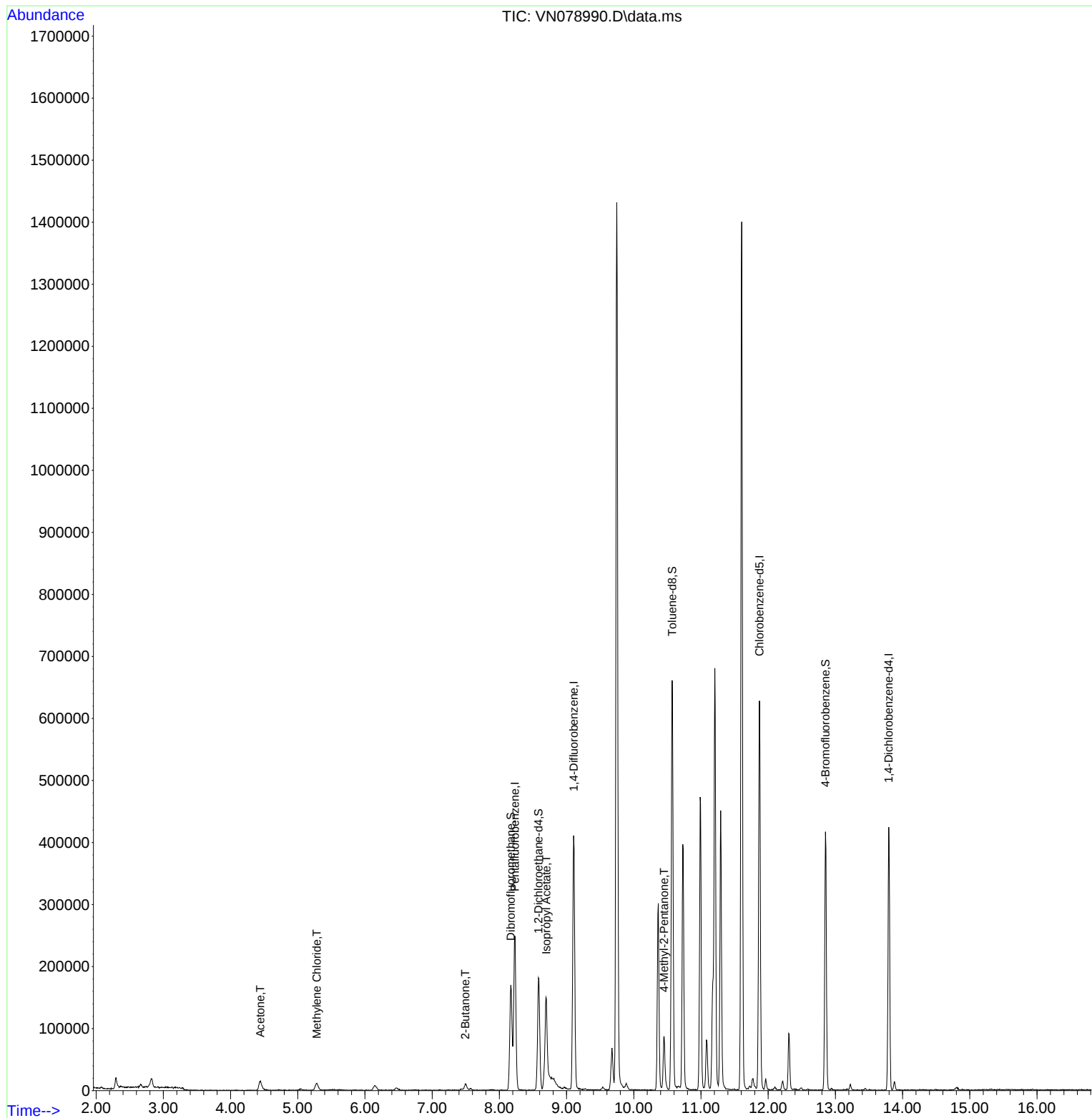
| Compound                    | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|--------|----------|
| -----                       |        |                |          |            |        |          |
| Internal Standards          |        |                |          |            |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168            | 175667   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114            | 343370   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117            | 348237   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152            | 108629   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65             | 143419   | 52.467     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 104.940% |        |          |
| 35) Dibromofluoromethane    | 8.171  | 113            | 121032   | 52.363     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 104.720% |        |          |
| 50) Toluene-d8              | 10.571 | 98             | 444751   | 51.821     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 103.640% |        |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95             | 139958   | 49.892     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 83 - 123 | Recovery | = 99.780%  |        |          |
| Target Compounds            |        |                |          |            |        |          |
|                             |        |                |          |            | Qvalue |          |
| 16) Acetone                 | 4.442  | 43             | 29132    | 25.829     | ug/l # | 78       |
| 20) Methylene Chloride      | 5.283  | 84             | 8220     | 3.420      | ug/l # | 78       |
| 25) 2-Butanone              | 7.494  | 43             | 17167    | 9.493      | ug/l # | 70       |
| 43) Isopropyl Acetate       | 8.700  | 43             | 196320   | 28.552     | ug/l # | 73       |
| 51) 4-Methyl-2-Pentanone    | 10.453 | 43             | 65714    | 16.114     | ug/l # | 80       |
| -----                       |        |                |          |            |        |          |

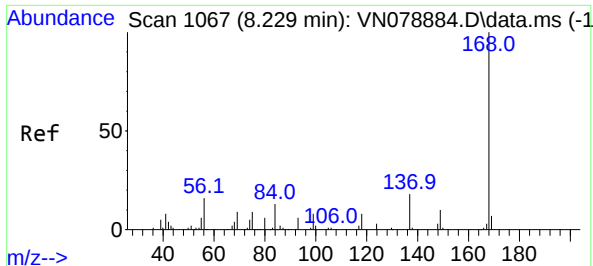
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 23 03:01:41 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

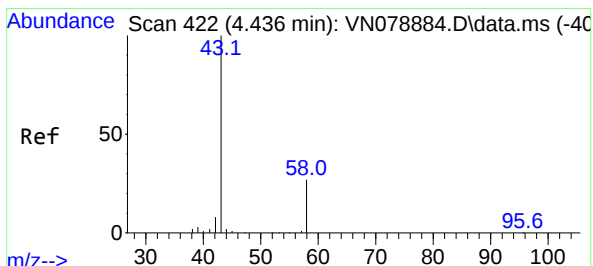
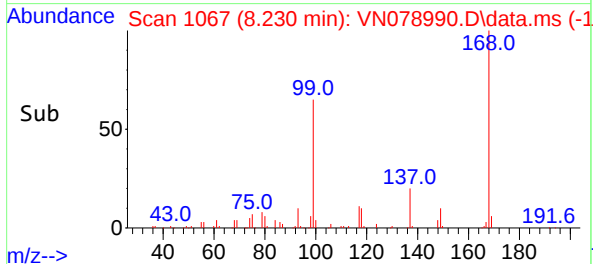
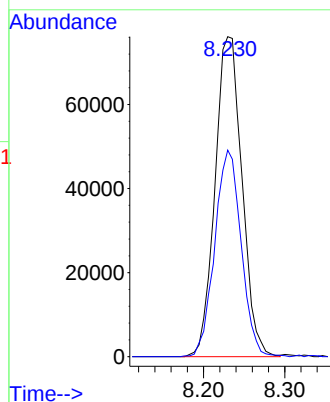
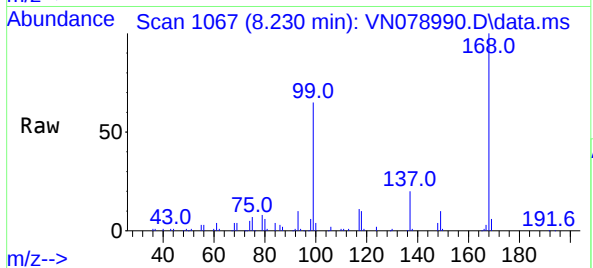




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

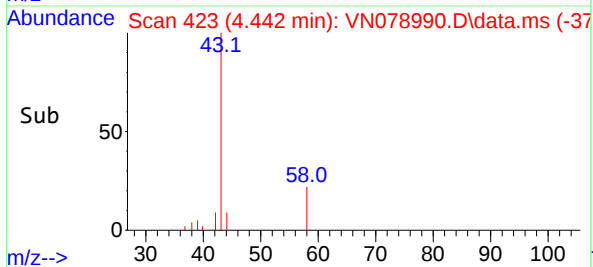
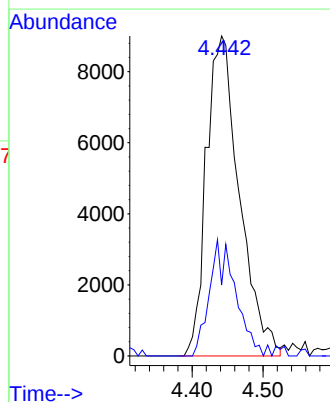
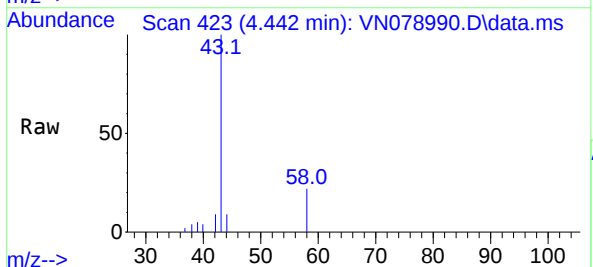
Instrument :  
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ClientSampleId :  
PB154968ZHE#05

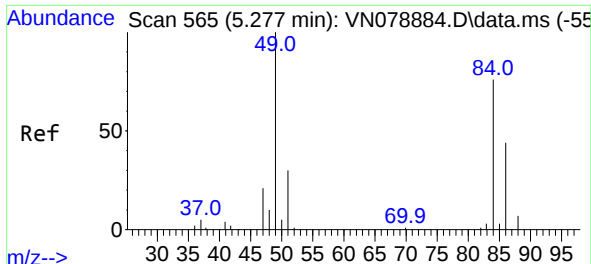
Tgt Ion:168 Resp: 175667  
Ion Ratio Lower Upper  
168 100  
99 64.5 53.0 79.6



#16  
Acetone  
Concen: 25.829 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

Tgt Ion: 43 Resp: 29132  
Ion Ratio Lower Upper  
43 100  
58 22.2 28.0 42.0#

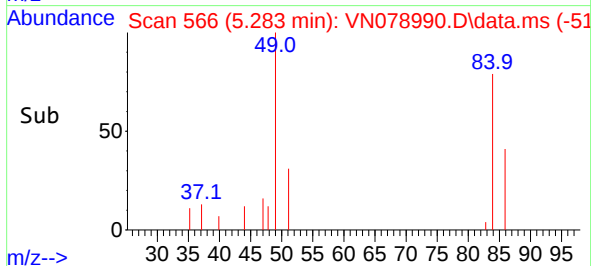
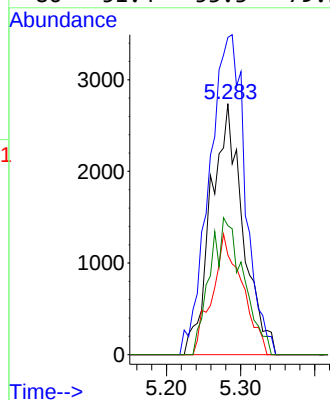
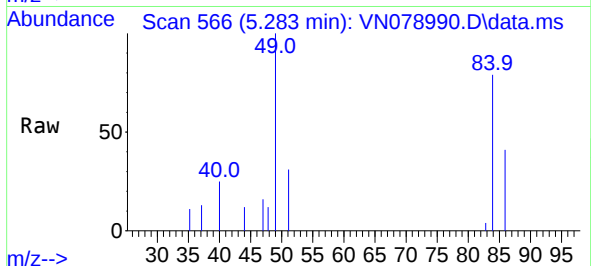




#20  
Methylene Chloride  
Concen: 3.420 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

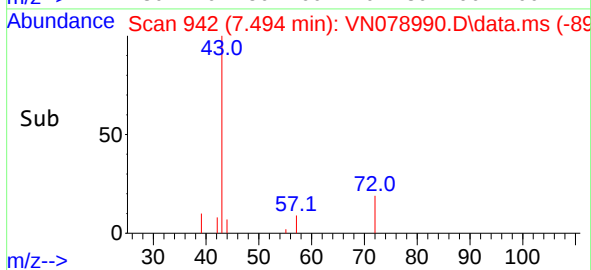
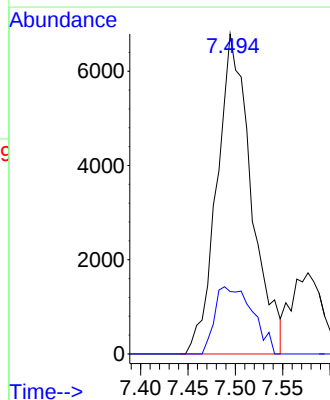
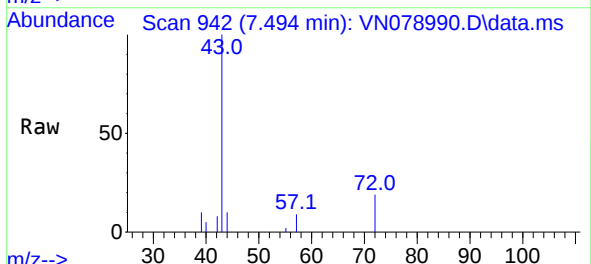
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB154968ZHE#05

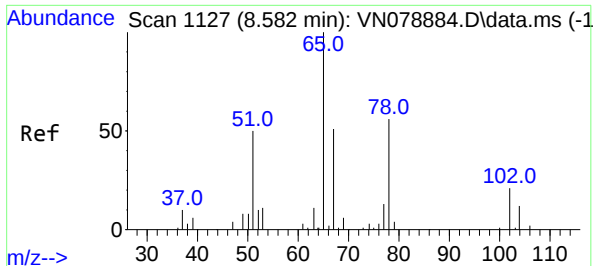
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 8220  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 126.4    | 79.7 119.5# |
| 51 39.7     | 25.2 37.8#  |
| 86 51.4     | 53.3 79.9#  |



#25  
2-Butanone  
Concen: 9.493 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 17167 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 72 19.5     | 30.2 45.2#  |

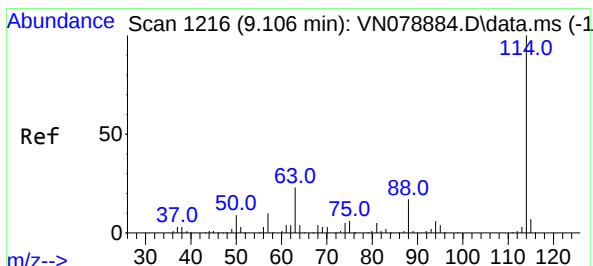
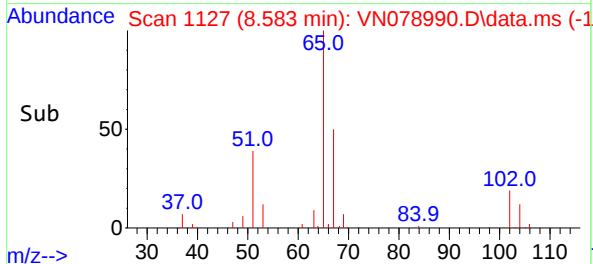
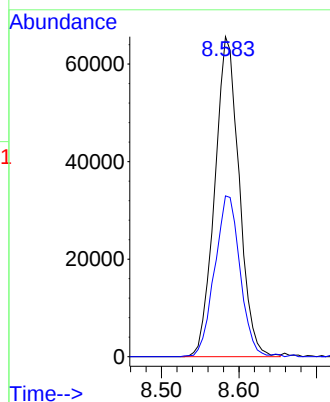
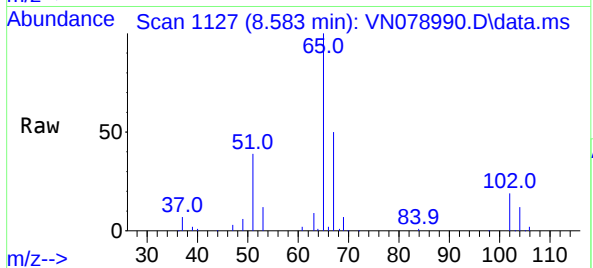




#33  
1,2-Dichloroethane-d4  
Concen: 52.467 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

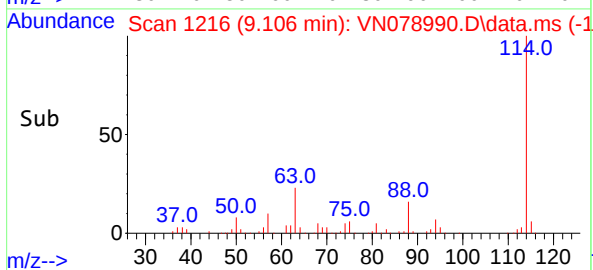
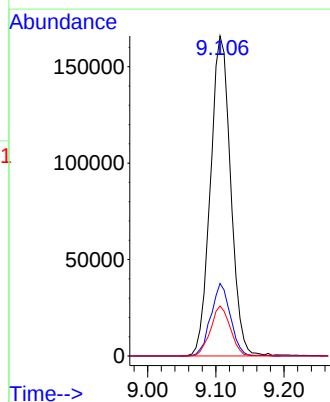
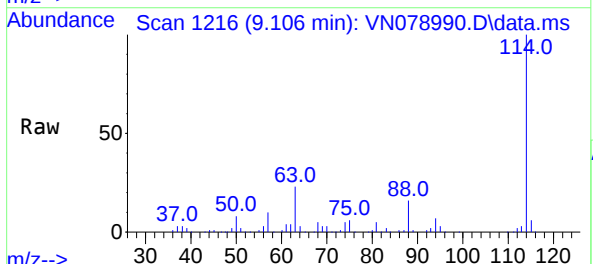
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB154968ZHE#05

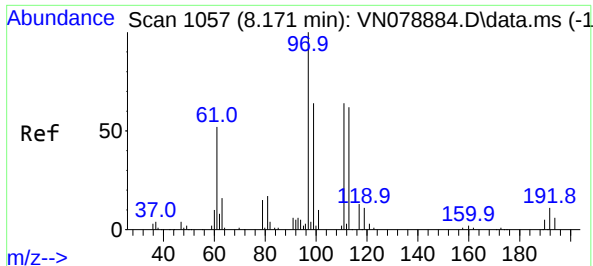
Tgt Ion: 65 Resp: 143419  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 106.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. -0.006 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

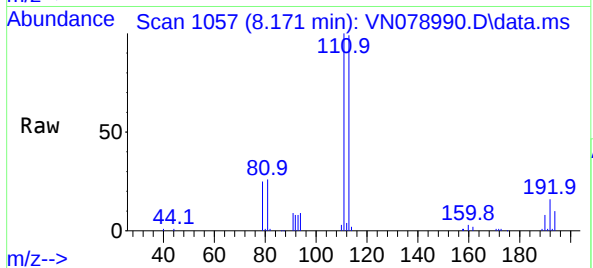
Tgt Ion: 114 Resp: 343370  
Ion Ratio Lower Upper  
114 100  
63 22.7 0.0 36.4  
88 15.6 0.0 30.6



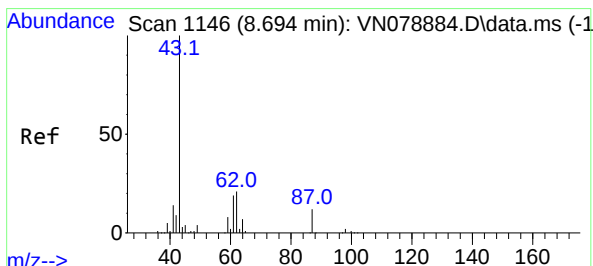
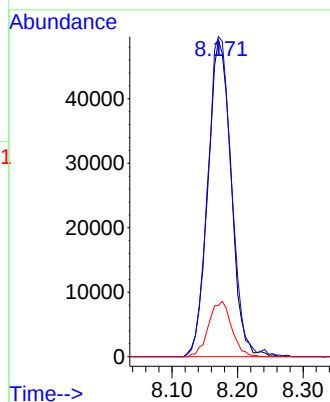
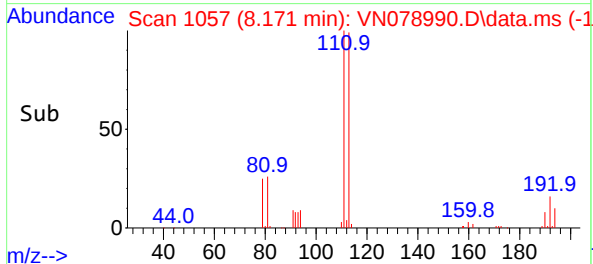


#35  
Dibromofluoromethane  
Concen: 52.363 ug/l  
RT: 8.171 min Scan# 1103  
Delta R.T. -0.000 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB154968ZHE#05

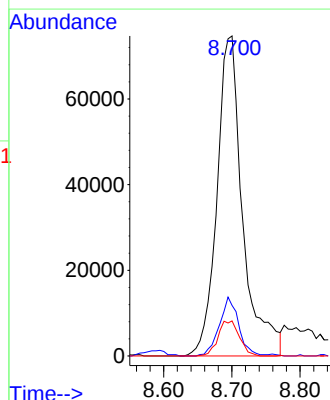
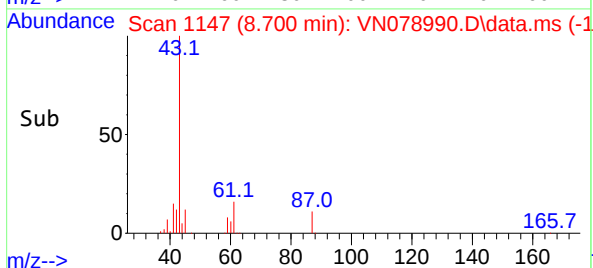
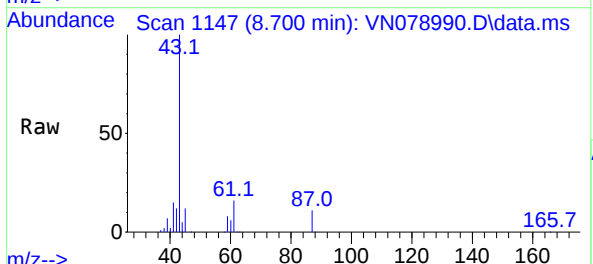


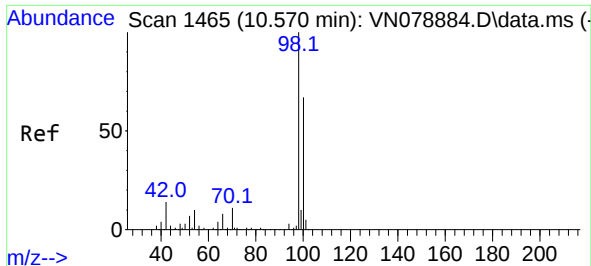
Tgt Ion:113 Resp: 121032  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.6 123.8  
192 17.3 12.7 19.1



#43  
Isopropyl Acetate  
Concen: 28.552 ug/l  
RT: 8.700 min Scan# 1147  
Delta R.T. 0.006 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

Tgt Ion: 43 Resp: 196320  
Ion Ratio Lower Upper  
43 100  
61 13.9 24.7 37.1#  
87 9.1 14.6 21.8#

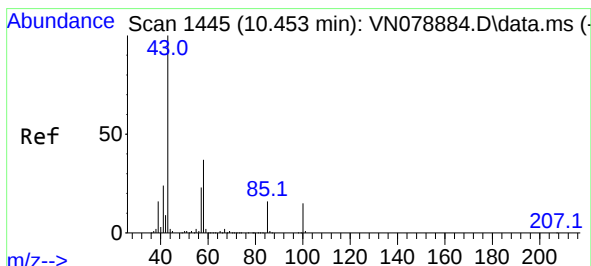
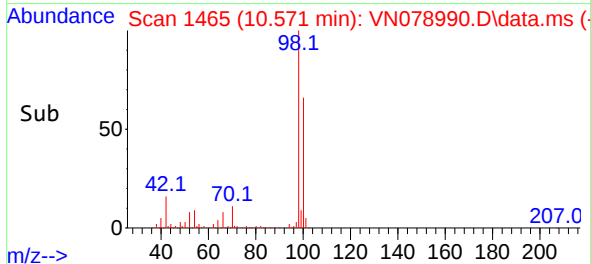
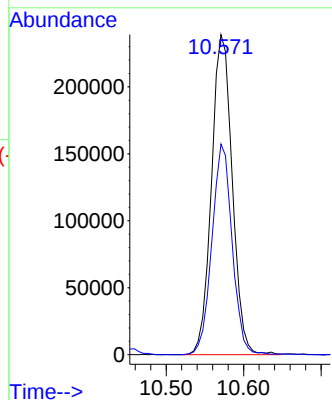
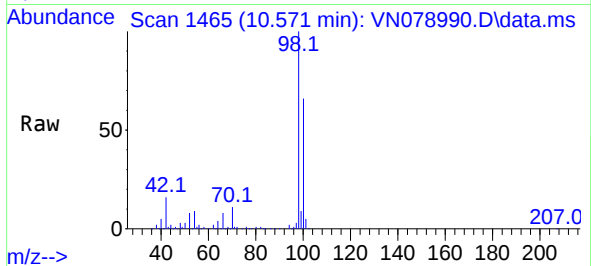




#50  
Toluene-d8  
Concen: 51.821 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

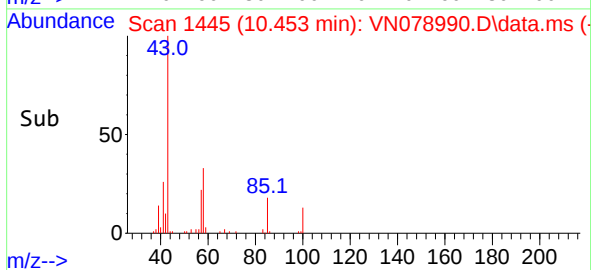
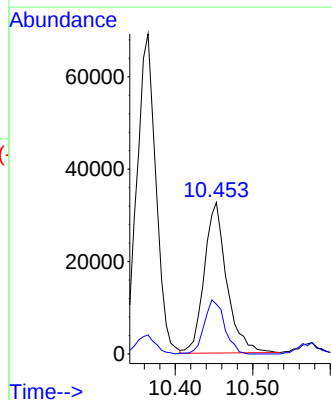
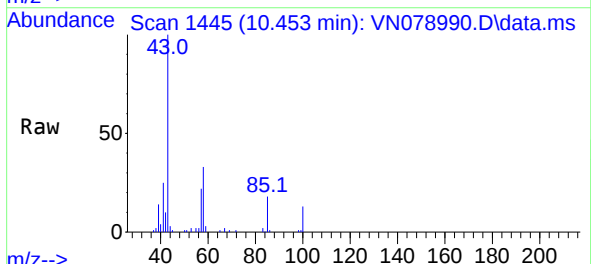
Instrument :  
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ClientSampleId :  
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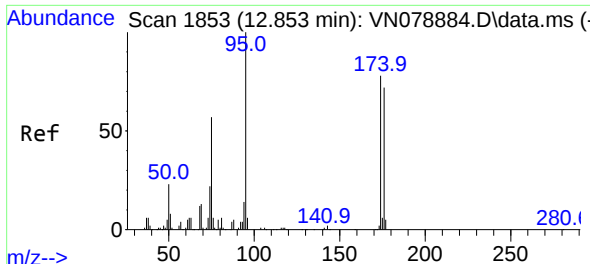
Tgt Ion: 98 Resp: 444751  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 16.114 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

Tgt Ion: 43 Resp: 65714  
Ion Ratio Lower Upper  
43 100  
58 32.3 36.6 54.8#

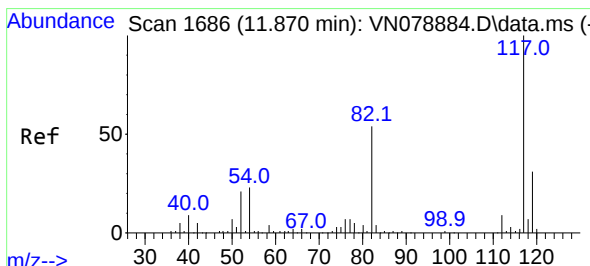
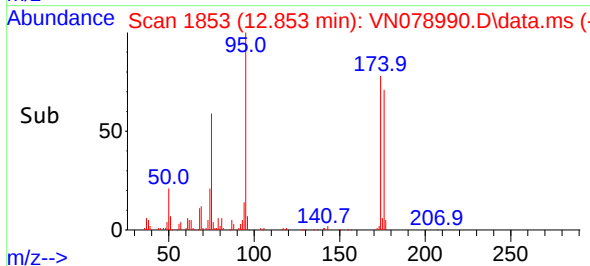
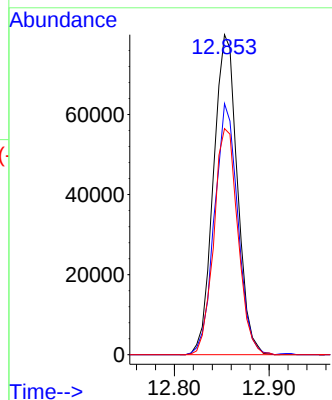
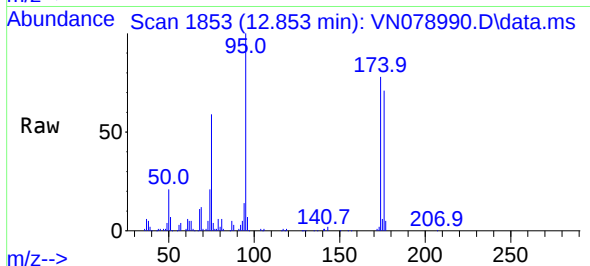




#62  
4-Bromofluorobenzene  
Concen: 49.892 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

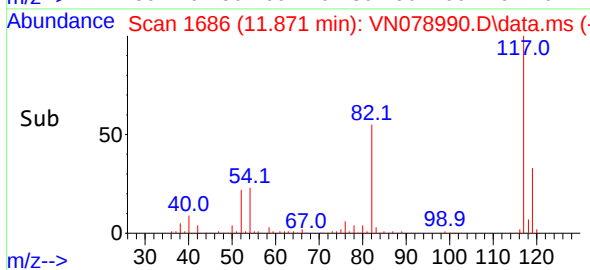
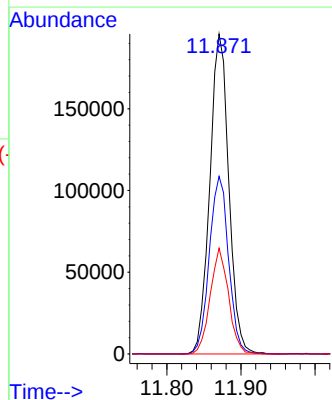
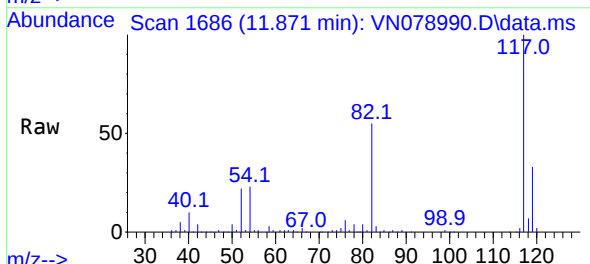
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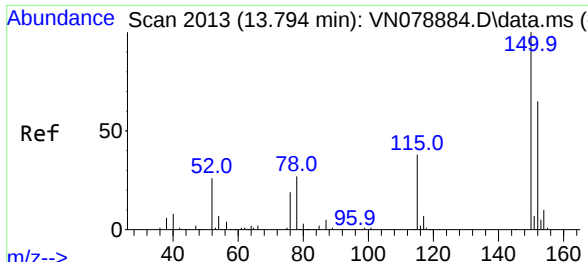
Tgt Ion: 95 Resp: 139958  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 143.8  
176 71.2 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN078990.D  
Acq: 22 Aug 2023 13:35

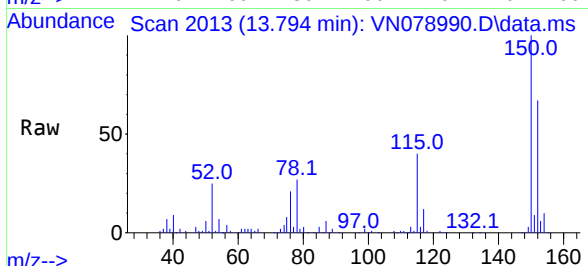
Tgt Ion: 117 Resp: 348237  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.0 66.0  
119 33.1 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN078990.D  
 Acq: 22 Aug 2023 13:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB154968ZHE#05



Tgt Ion:152 Resp: 108629

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 59.1  | 32.3  | 96.8  |
| 150 | 157.2 | 0.0   | 355.8 |

