

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081121\  
 Data File : VN068071.D  
 Acq On : 11 Aug 2021 14:30  
 Operator : JC/MD  
 Sample : PB138317ZHE#01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB138317ZHE#01

Quant Time: Aug 12 07:12:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 29 15:02:35 2021  
 Response via : Initial Calibration

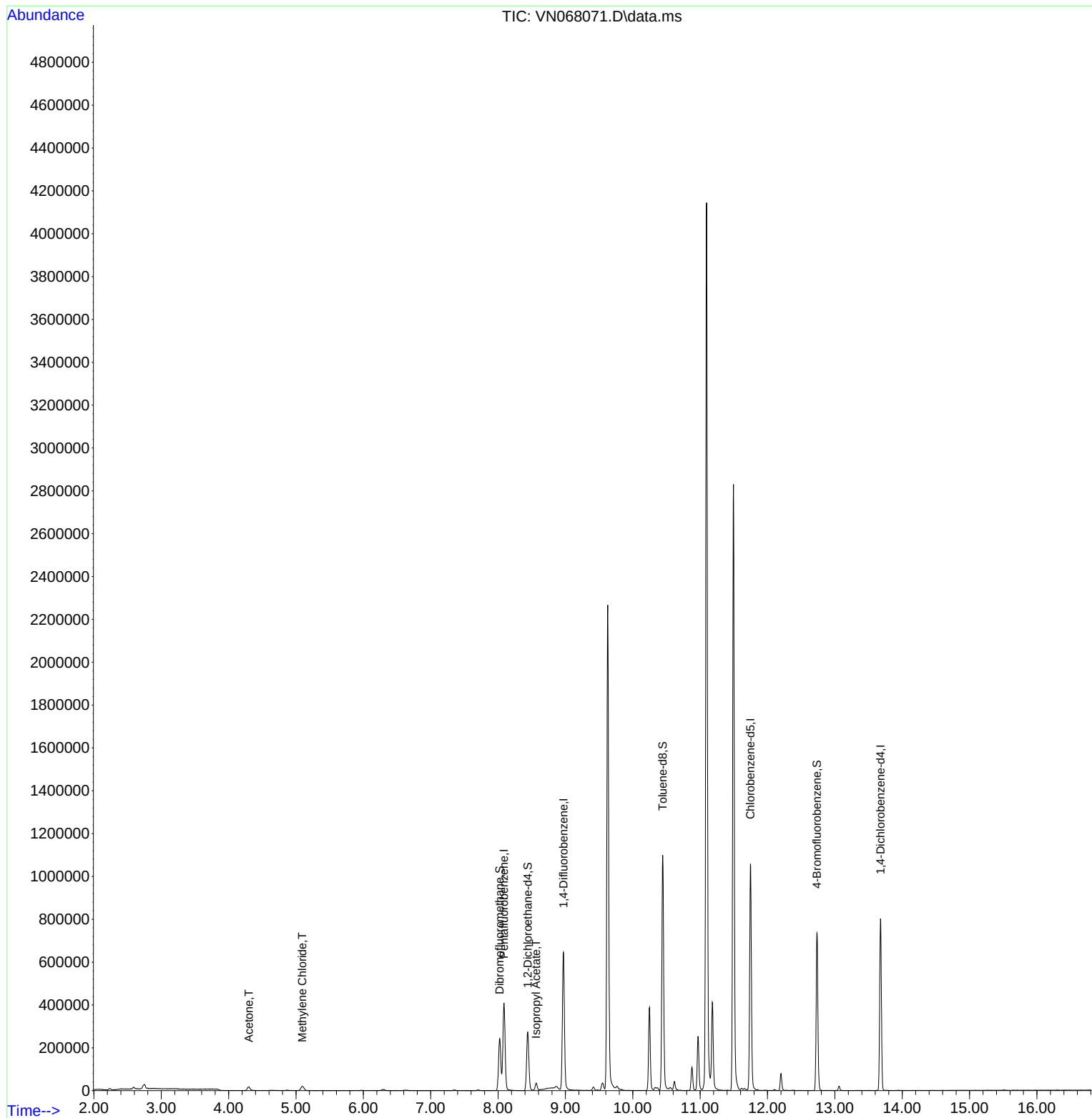
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.088          | 168  | 296515              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971          | 114  | 575229              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.747         | 117  | 633534              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.678         | 152  | 213379              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440          | 65   | 232649              | 55.423 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 110.840% |        |        |          |
| 35) Dibromofluoromethane    | 8.024          | 113  | 180878              | 53.956 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 107.920% |        |        |          |
| 50) Toluene-d8              | 10.443         | 98   | 769788              | 49.775 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 99.540%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.734         | 95   | 261442              | 46.549 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 93.100%  |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 16) Acetone                 | 4.299          | 43   | 32998               | 21.544 | ug/l   | 98       |
| 20) Methylene Chloride      | 5.093          | 84   | 16890               | 4.517  | ug/l   | 89       |
| 43) Isopropyl Acetate       | 8.566          | 43   | 38332               | 4.594  | ug/l   | 94       |
| -----                       |                |      |                     |        |        |          |

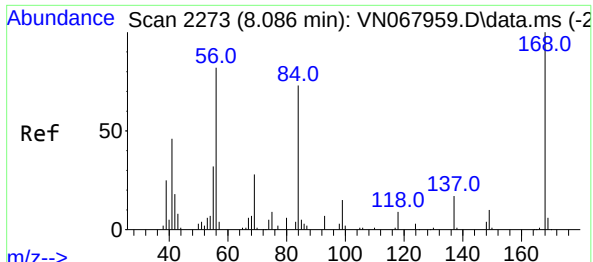
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 12 07:12:17 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 29 15:02:35 2021  
Response via : Initial Calibration

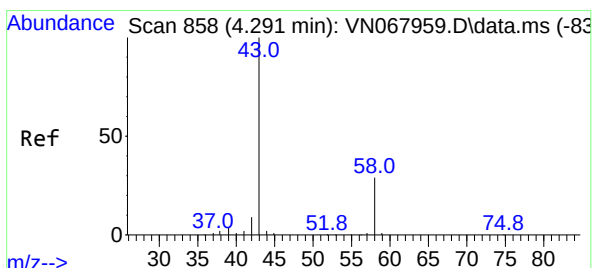
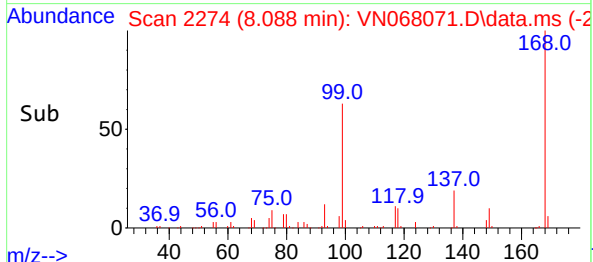
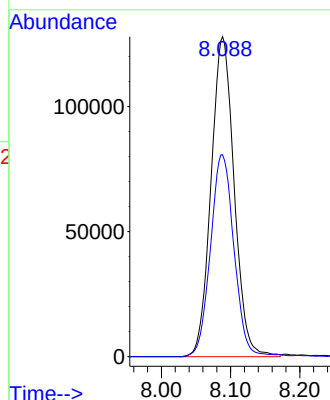
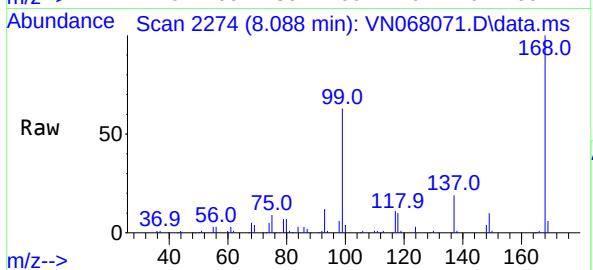




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

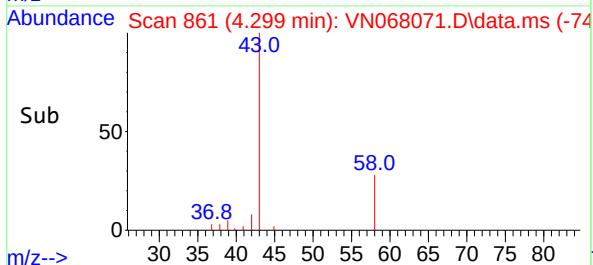
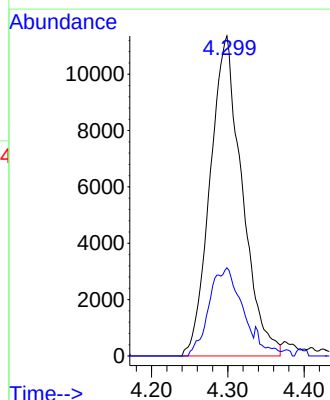
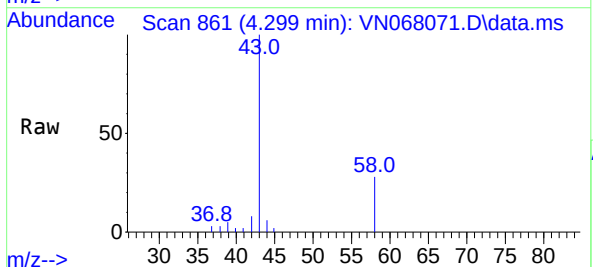
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB138317ZHE#01

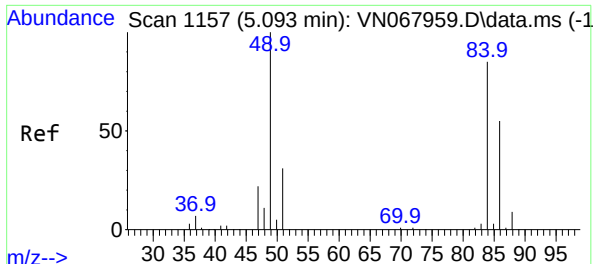
Tgt Ion:168 Resp: 296515  
Ion Ratio Lower Upper  
168 100  
99 63.1 62.9 94.3



#16  
Acetone  
Concen: 21.544 ug/l  
RT: 4.299 min Scan# 861  
Delta R.T. 0.008 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

Tgt Ion: 43 Resp: 32998  
Ion Ratio Lower Upper  
43 100  
58 27.6 21.2 31.8



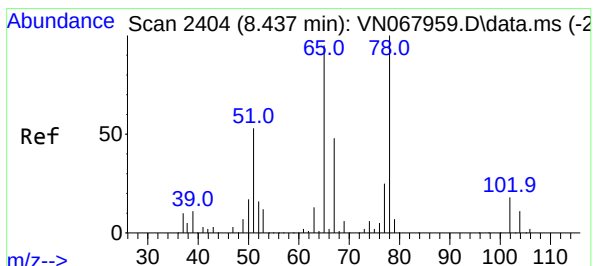
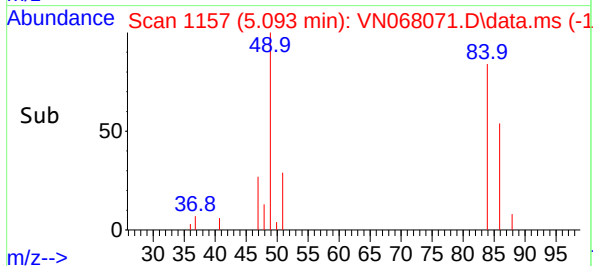
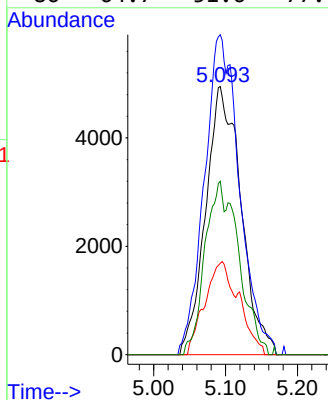
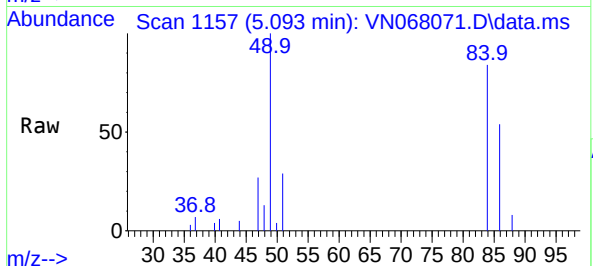


#20  
Methylene Chloride  
Concen: 4.517 ug/l  
RT: 5.093 min Scan# 1157  
Delta R.T. -0.000 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB138317ZHE#01

Tgt Ion: 84 Resp: 16890

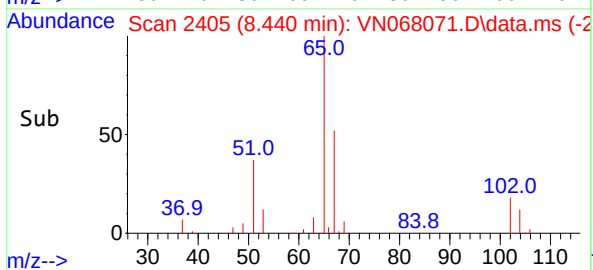
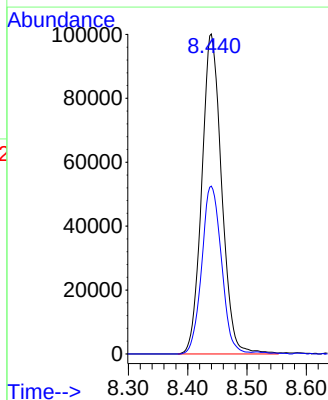
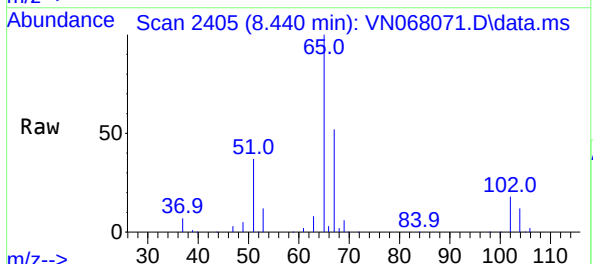
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 119.4 | 110.9 | 166.3 |
| 51  | 34.1  | 32.6  | 49.0  |
| 86  | 64.7  | 51.6  | 77.4  |

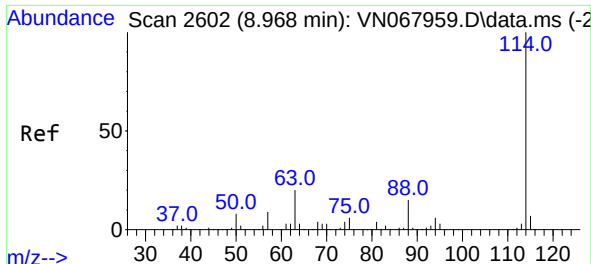


#33  
1,2-Dichloroethane-d4  
Concen: 55.423 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

Tgt Ion: 65 Resp: 232649

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.1  | 0.0   | 98.6  |

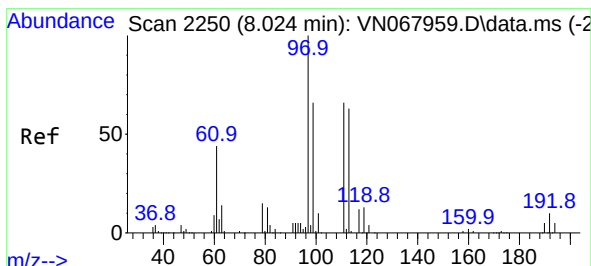
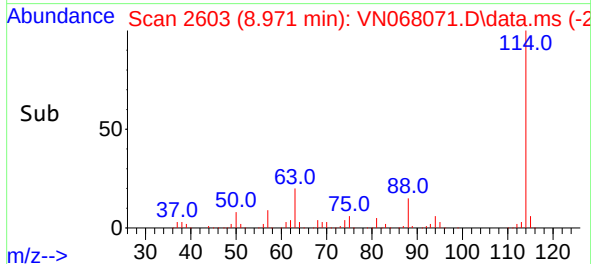
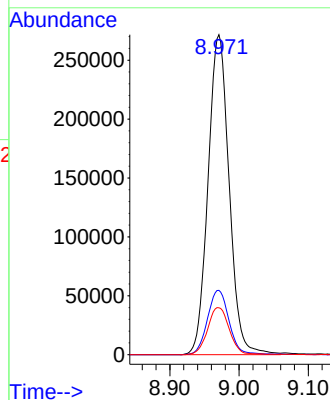
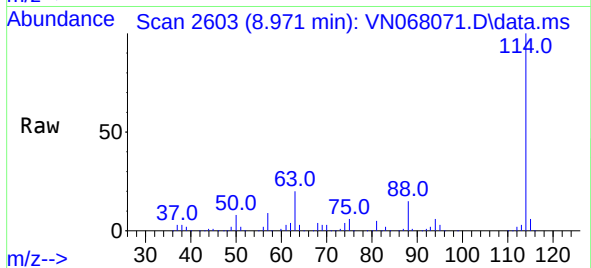




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

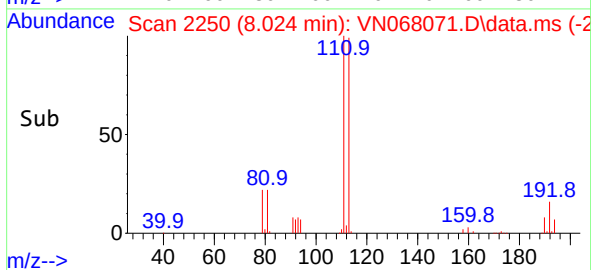
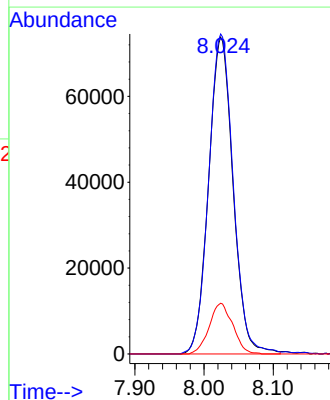
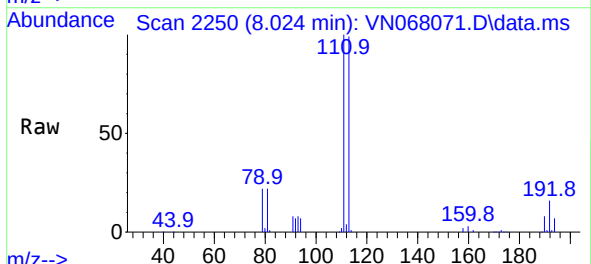
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB138317ZHE#01

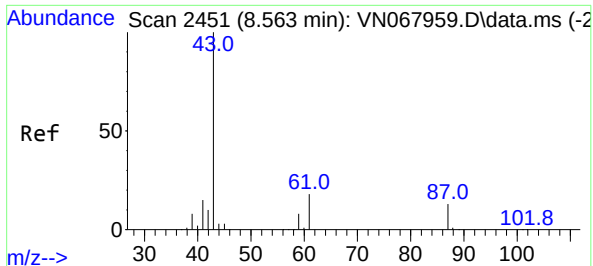
Tgt Ion:114 Resp: 575229  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 49.0  
88 14.7 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 53.956 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

Tgt Ion:113 Resp: 180878  
Ion Ratio Lower Upper  
113 100  
111 101.6 83.8 125.8  
192 15.5 13.4 20.0

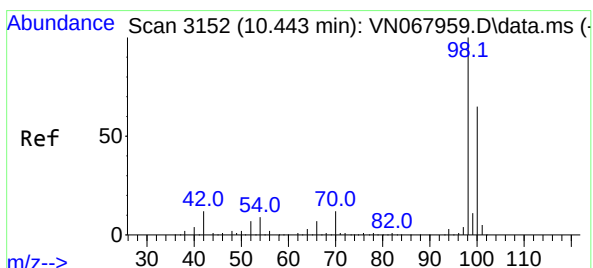
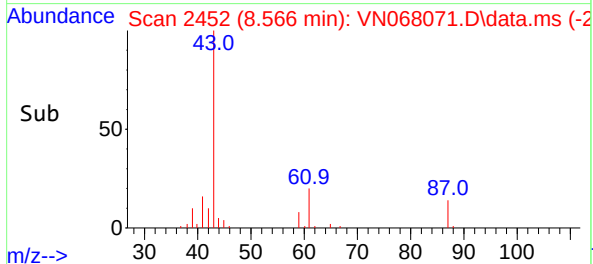
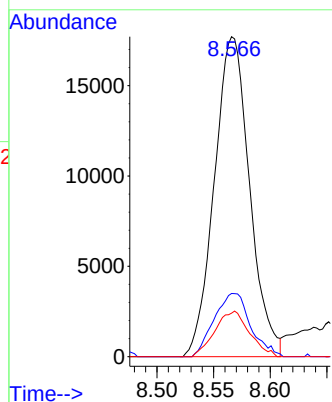
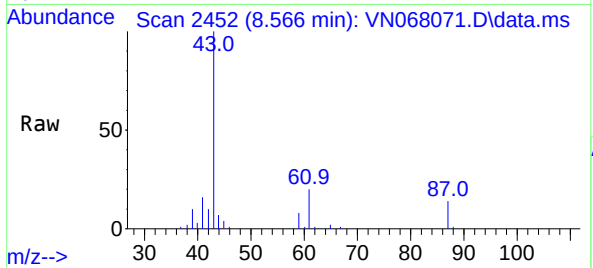




#43  
Isopropyl Acetate  
Concen: 4.594 ug/l  
RT: 8.566 min Scan# 2452  
Delta R.T. 0.003 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

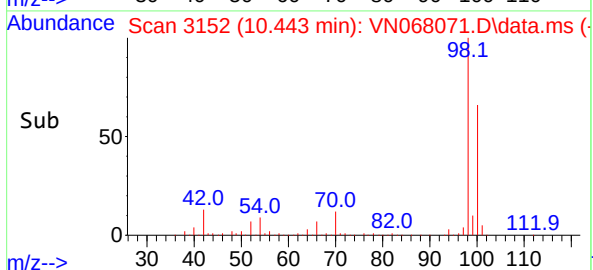
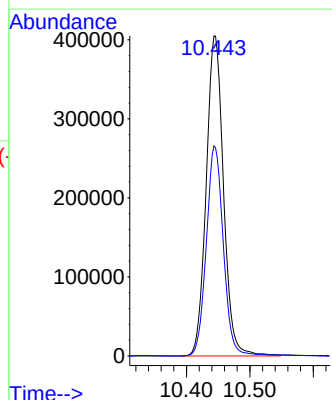
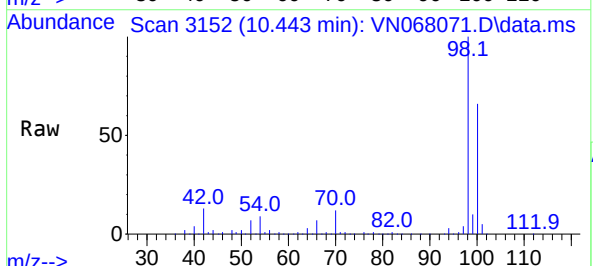
Instrument :  
MSVOA\_N  
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PB138317ZHE#01

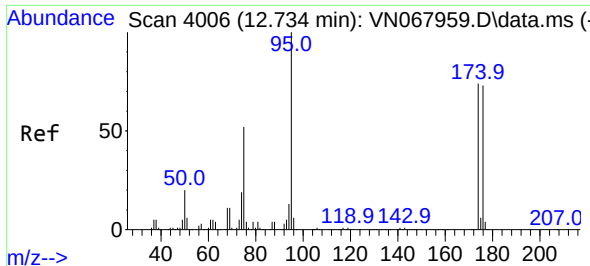
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 38332 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 20.4  | 19.0  | 28.4  |
| 87       | 14.0  | 9.5   | 14.3  |



#50  
Toluene-d8  
Concen: 49.775 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 769788 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.3  | 51.7  | 77.5   |

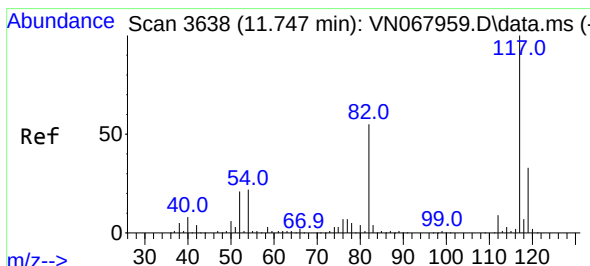
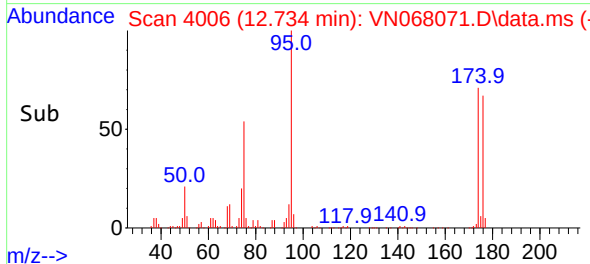
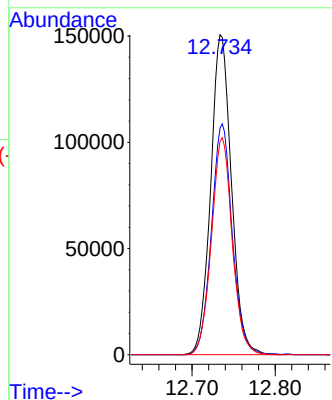
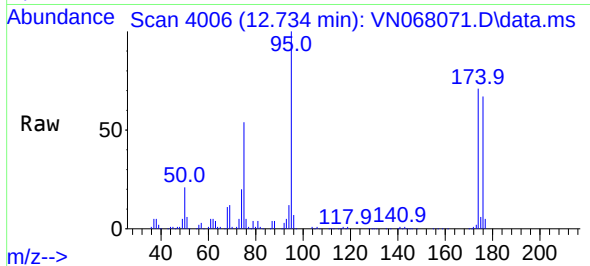




#62  
4-Bromofluorobenzene  
Concen: 46.549 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

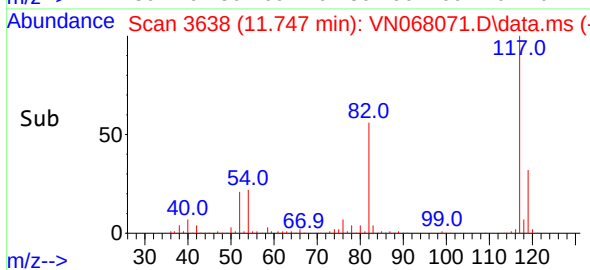
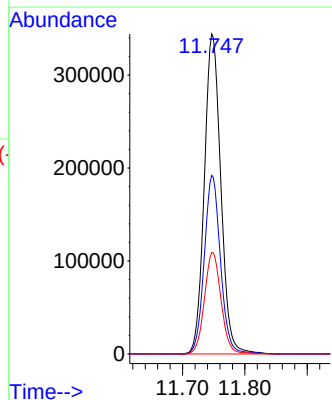
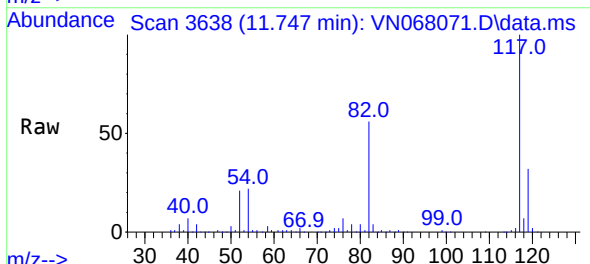
Instrument :  
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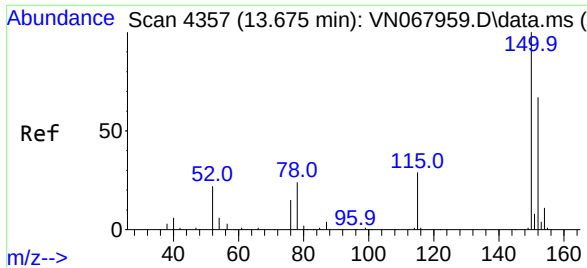
Tgt Ion: 95 Resp: 261442  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 122.0  
176 67.9 0.0 117.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

Tgt Ion: 117 Resp: 633534  
Ion Ratio Lower Upper  
117 100  
82 55.8 53.1 79.7  
119 31.7 25.5 38.3





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN068071.D  
Acq: 11 Aug 2021 14:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion:152 Resp: 213379  
Ion Ratio Lower Upper  
152 100  
115 63.5 36.1 108.5  
150 158.3 0.0 351.8

