

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091621\  
 Data File : VN068507.D  
 Acq On : 16 Sep 2021 20:26  
 Operator : JC/MD  
 Sample : PB139158TB  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB139158TB

Quant Time: Sep 17 02:03:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 10 04:04:05 2021  
 Response via : Initial Calibration

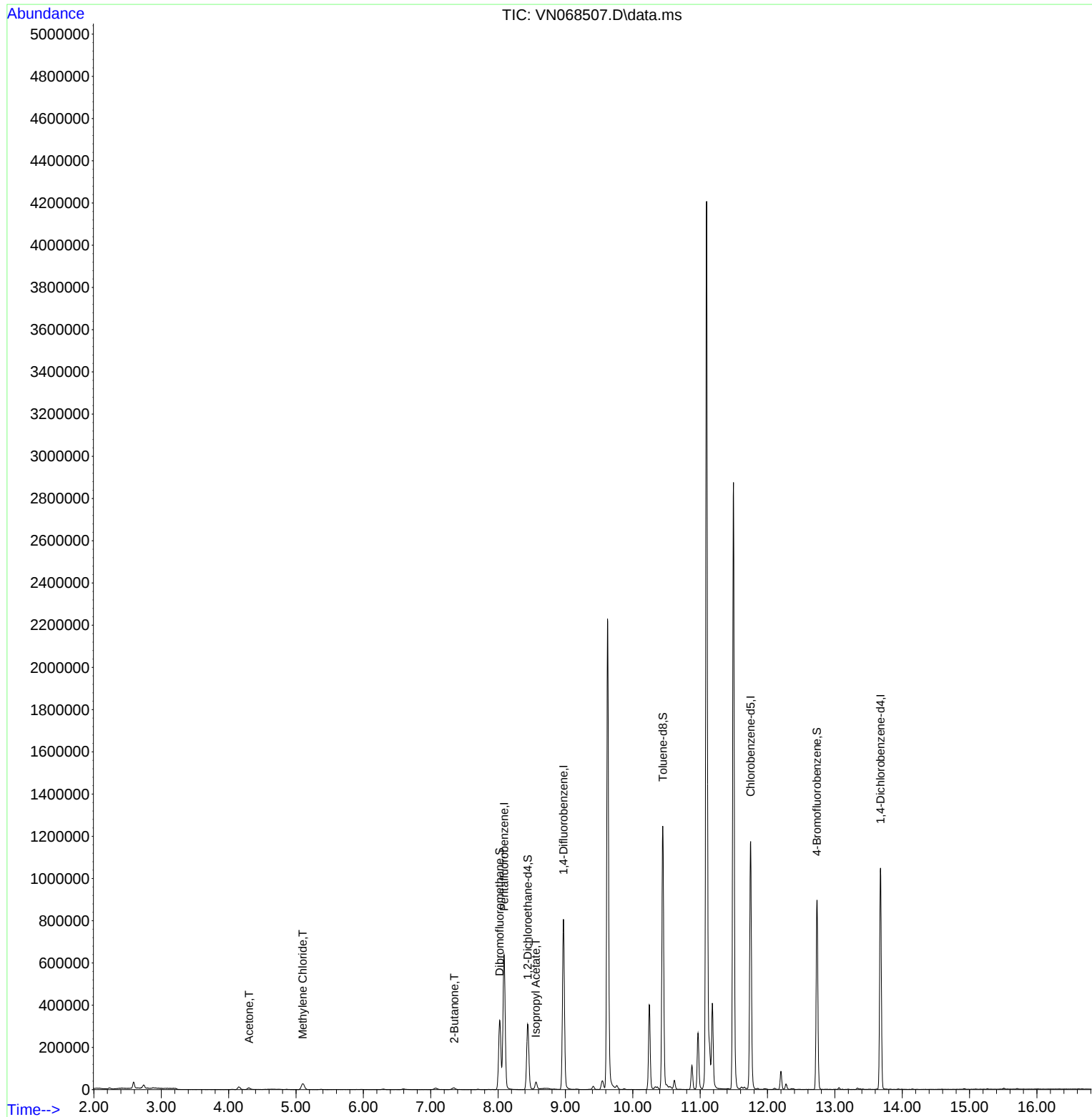
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.091          | 168  | 532287              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971          | 114  | 779874              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.749         | 117  | 784394              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677         | 152  | 318015              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440          | 65   | 266701              | 54.622 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 109.240% |        |        |          |
| 35) Dibromofluoromethane    | 8.024          | 113  | 242078              | 51.466 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 102.940% |        |        |          |
| 50) Toluene-d8              | 10.446         | 98   | 960763              | 56.232 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 112.460% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.733         | 95   | 305145              | 55.813 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 111.620% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 16) Acetone                 | 4.301          | 43   | 14141               | 8.752  | ug/l   | 95       |
| 20) Methylene Chloride      | 5.098          | 84   | 25661               | 4.373  | ug/l   | 92       |
| 25) 2-Butanone              | 7.351          | 43   | 14188               | 5.980  | ug/l   | 94       |
| 43) Isopropyl Acetate       | 8.560          | 43   | 40211               | 4.608  | ug/l # | 88       |
| -----                       |                |      |                     |        |        |          |

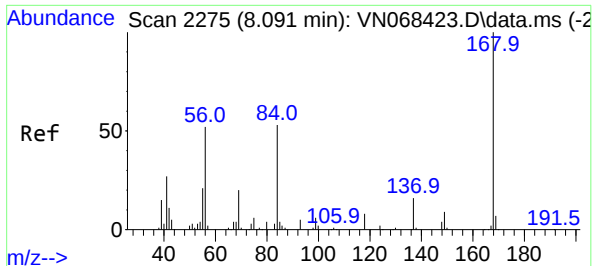
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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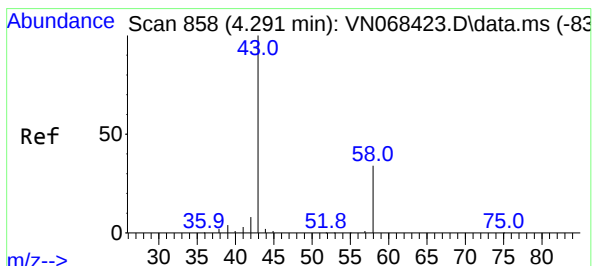
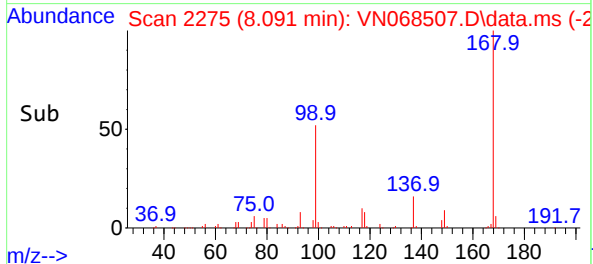
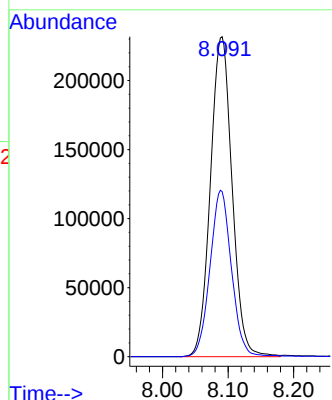
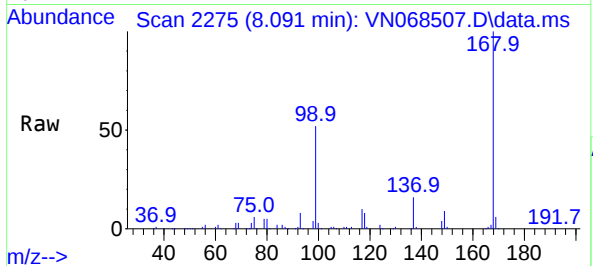




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. -0.000 min  
Lab File: VN068507.D  
Acq: 16 Sep 2021 20:26

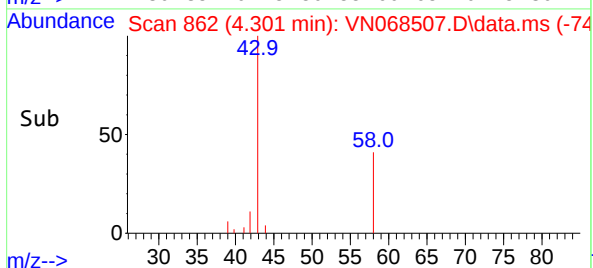
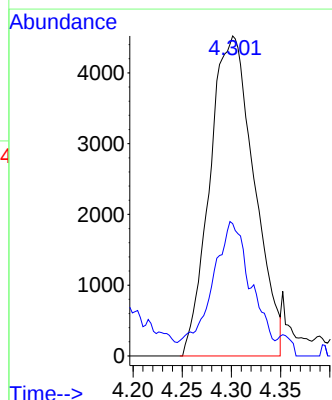
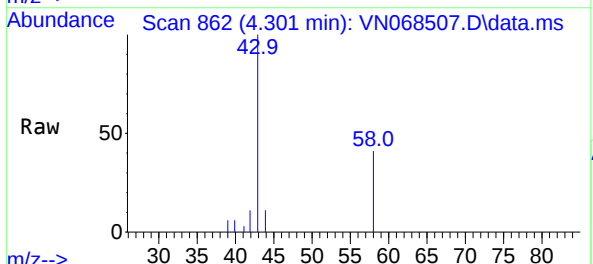
Instrument :  
MSVOA\_N  
ClientSampled :  
PB139158TB

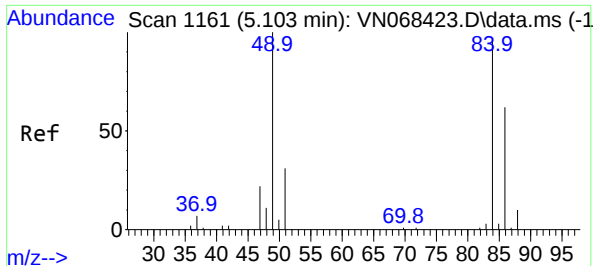
Tgt Ion:168 Resp: 532287  
Ion Ratio Lower Upper  
168 100  
99 51.6 38.2 57.4



#16  
Acetone  
Concen: 8.752 ug/l  
RT: 4.301 min Scan# 862  
Delta R.T. 0.011 min  
Lab File: VN068507.D  
Acq: 16 Sep 2021 20:26

Tgt Ion: 43 Resp: 14141  
Ion Ratio Lower Upper  
43 100  
58 36.5 27.0 40.6



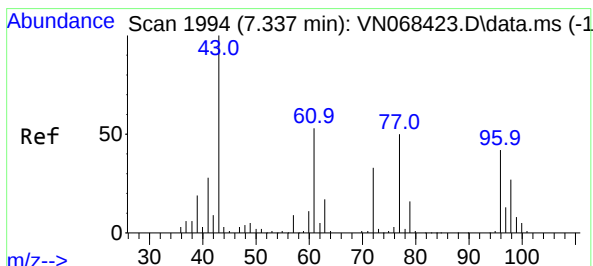
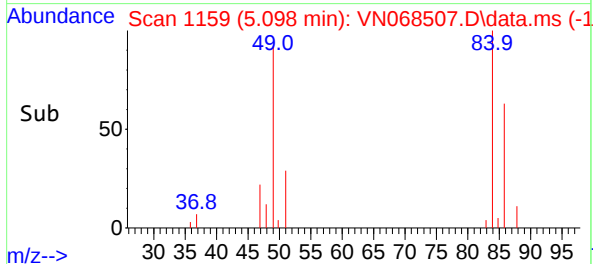
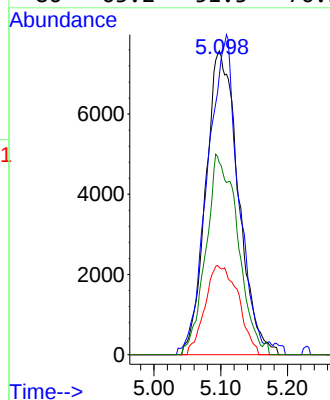
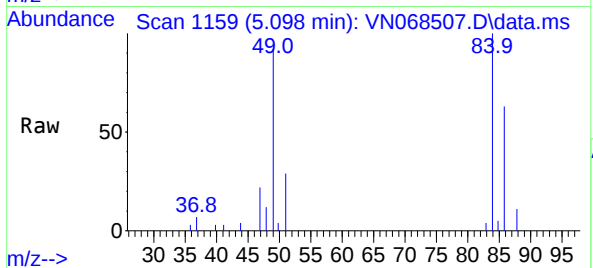


#20  
Methylene Chloride  
Concen: 4.373 ug/l  
RT: 5.098 min Scan# 1159  
Delta R.T. -0.005 min  
Lab File: VN068507.D  
Acq: 16 Sep 2021 20:26

Instrument :  
MSVOA\_N  
ClientSampled :  
PB139158TB

Tgt Ion: 84 Resp: 25661

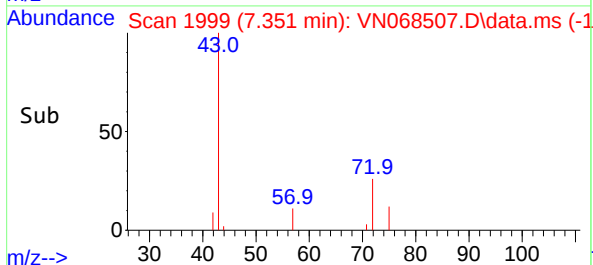
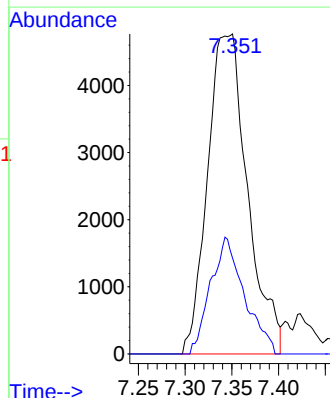
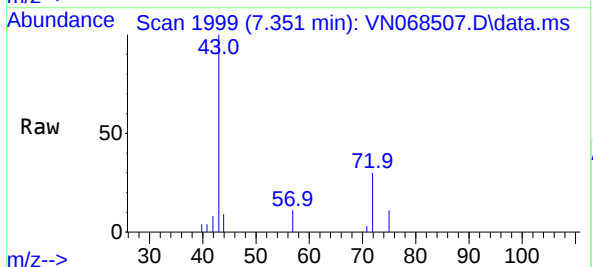
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 89.5  | 83.0  | 124.6 |
| 51  | 28.7  | 25.4  | 38.0  |
| 86  | 63.2  | 51.3  | 76.9  |

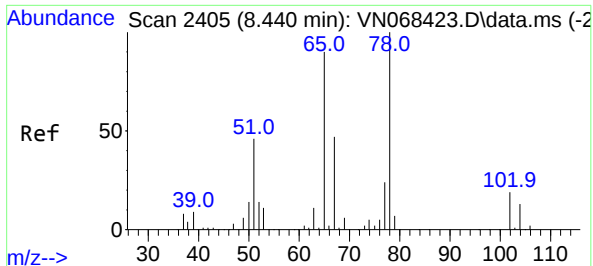


#25  
2-Butanone  
Concen: 5.980 ug/l  
RT: 7.351 min Scan# 1999  
Delta R.T. 0.013 min  
Lab File: VN068507.D  
Acq: 16 Sep 2021 20:26

Tgt Ion: 43 Resp: 14188

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 30.0  | 26.7  | 40.1  |

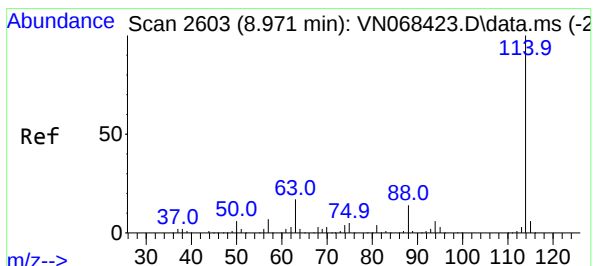
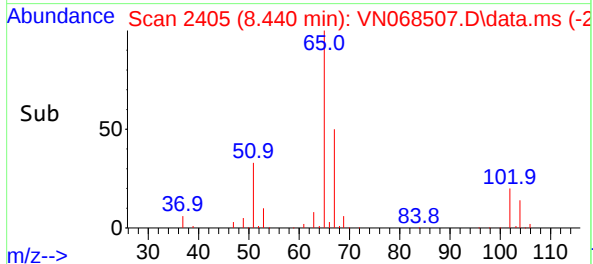
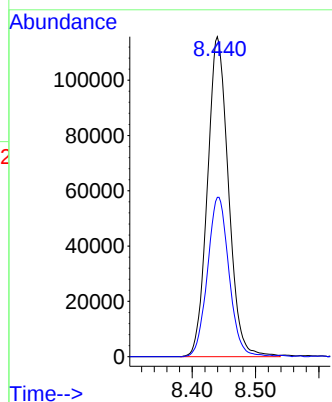
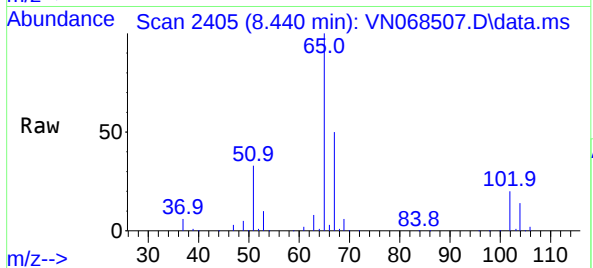




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.622 ug/l  
 RT: 8.440 min Scan# 2405  
 Delta R.T. -0.000 min  
 Lab File: VN068507.D  
 Acq: 16 Sep 2021 20:26

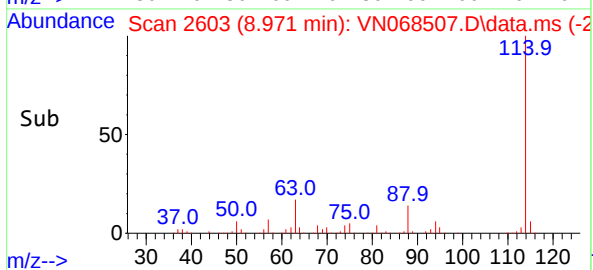
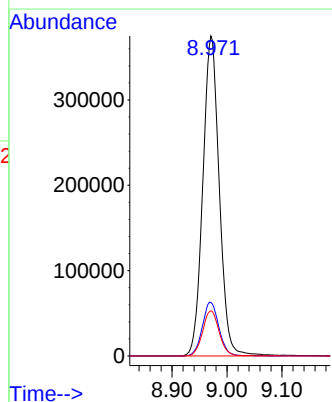
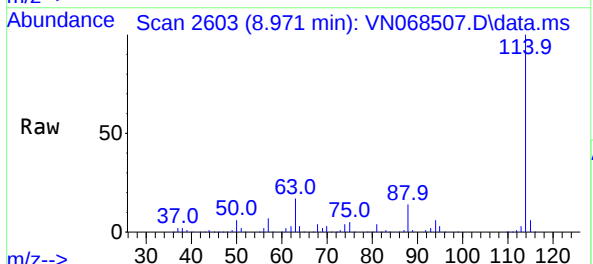
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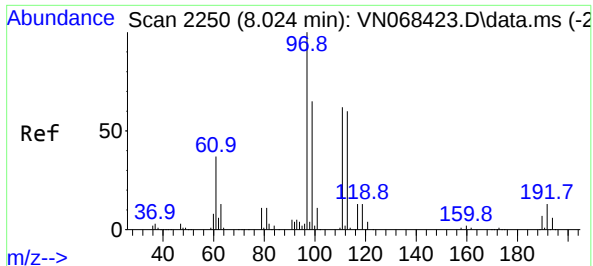
Tgt Ion: 65 Resp: 266701  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.971 min Scan# 2603  
 Delta R.T. -0.000 min  
 Lab File: VN068507.D  
 Acq: 16 Sep 2021 20:26

Tgt Ion: 114 Resp: 779874  
 Ion Ratio Lower Upper  
 114 100  
 63 16.8 0.0 33.2  
 88 14.1 0.0 28.4

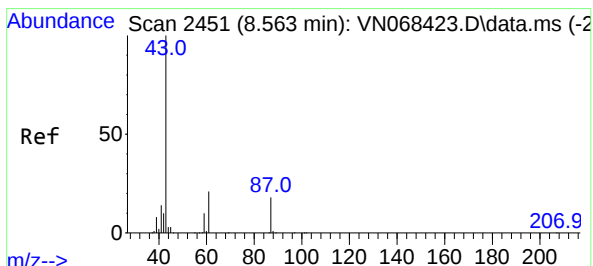
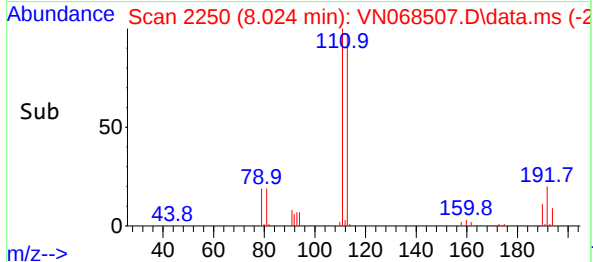
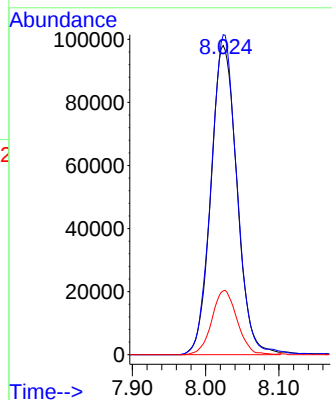
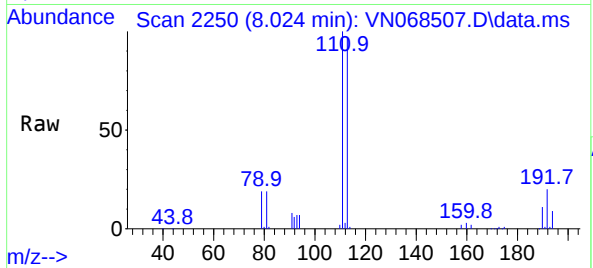




#35  
Dibromofluoromethane  
Concen: 51.466 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. -0.000 min  
Lab File: VN068507.D  
Acq: 16 Sep 2021 20:26

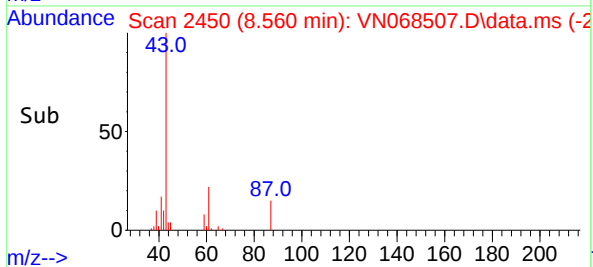
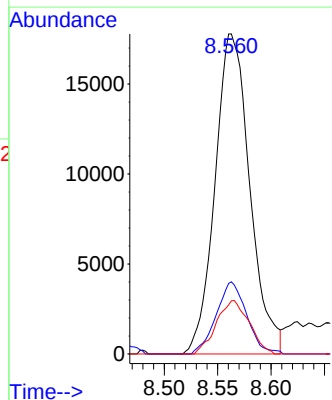
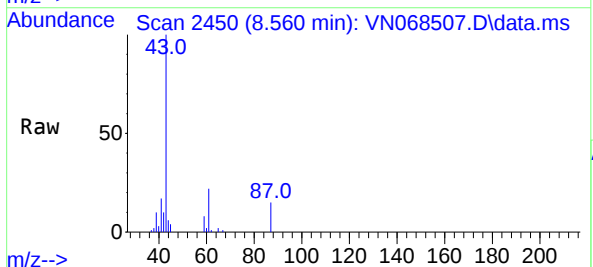
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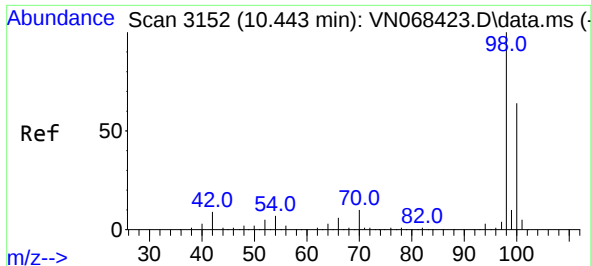
Tgt Ion:113 Resp: 242078  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.1 121.7  
192 20.2 17.7 26.5



#43  
Isopropyl Acetate  
Concen: 4.608 ug/l  
RT: 8.560 min Scan# 2450  
Delta R.T. -0.003 min  
Lab File: VN068507.D  
Acq: 16 Sep 2021 20:26

Tgt Ion: 43 Resp: 40211  
Ion Ratio Lower Upper  
43 100  
61 19.8 23.3 34.9#  
87 15.8 13.8 20.6

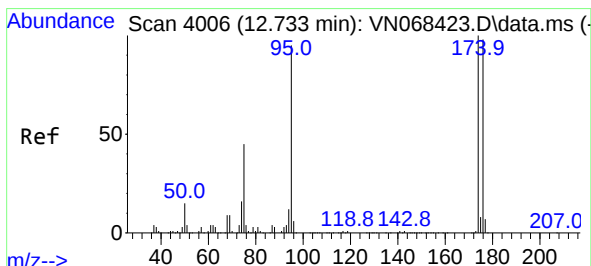
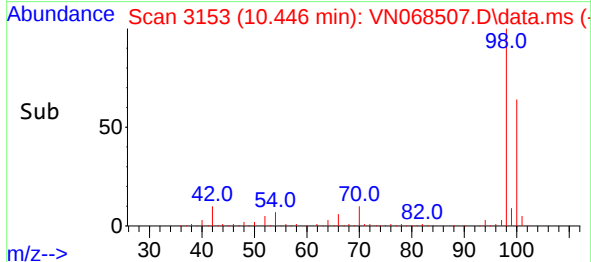
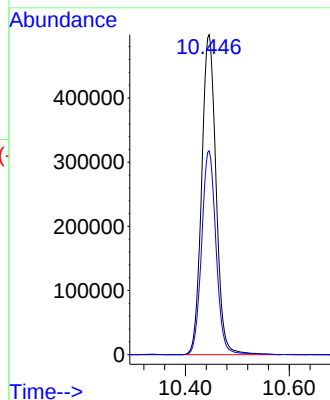
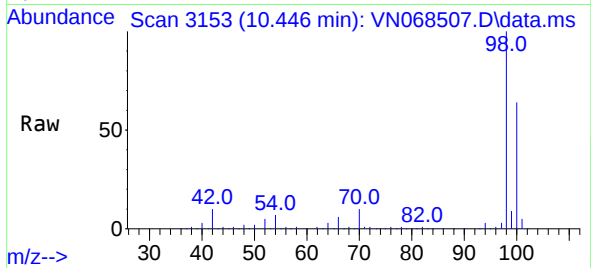




#50  
Toluene-d8  
Concen: 56.232 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN068507.D  
Acq: 16 Sep 2021 20:26

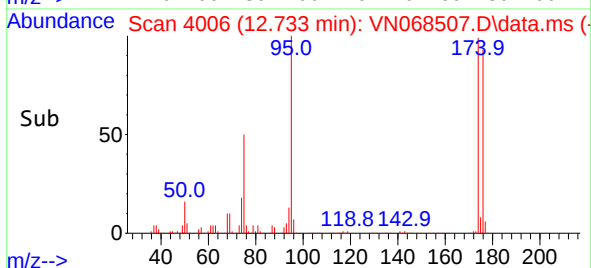
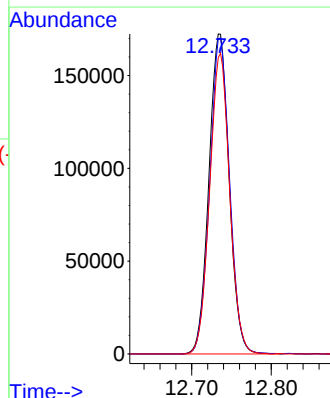
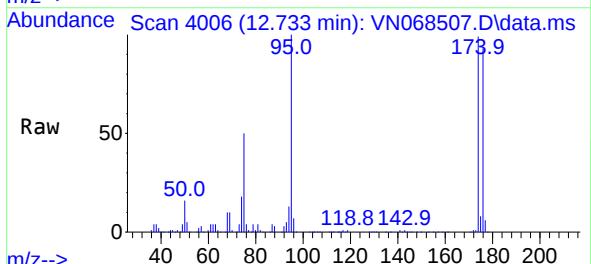
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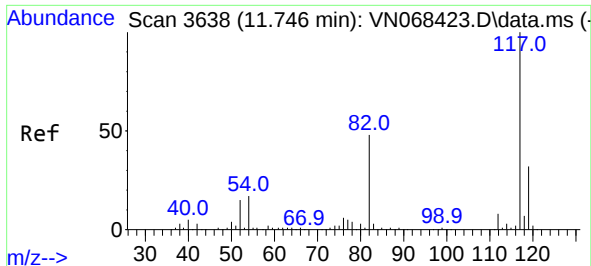
Tgt Ion: 98 Resp: 960763  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.0 76.6



#62  
4-Bromofluorobenzene  
Concen: 55.813 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN068507.D  
Acq: 16 Sep 2021 20:26

Tgt Ion: 95 Resp: 305145  
Ion Ratio Lower Upper  
95 100  
174 97.1 0.0 214.0  
176 92.7 0.0 205.4

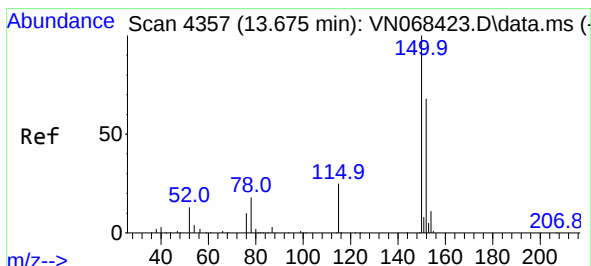
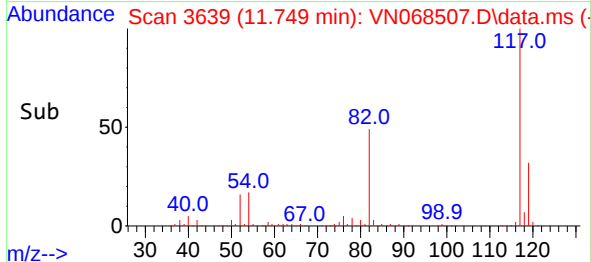
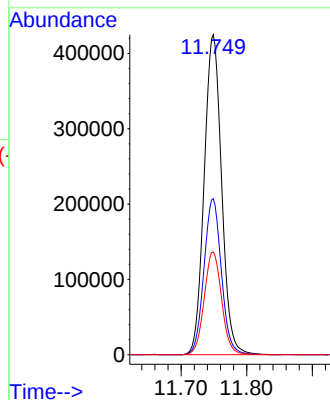
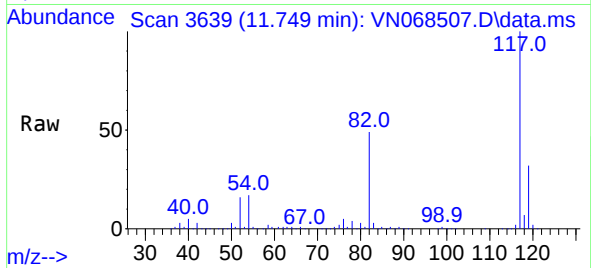




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.749 min Scan# 3639  
Delta R.T. 0.003 min  
Lab File: VN068507.D  
Acq: 16 Sep 2021 20:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB139158TB

Tgt Ion:117 Resp: 784394  
Ion Ratio Lower Upper  
117 100  
82 48.8 38.7 58.1  
119 32.1 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN068507.D  
Acq: 16 Sep 2021 20:26

Tgt Ion:152 Resp: 318015  
Ion Ratio Lower Upper  
152 100  
115 53.9 25.6 76.6  
150 157.2 0.0 346.8

