

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072921\  
 Data File : VN067972.D  
 Acq On : 29 Jul 2021 18:41  
 Operator : JC/MD  
 Sample : M3147-19  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 152140-DDC-1-PDA

Quant Time: Jul 30 04:45:30 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

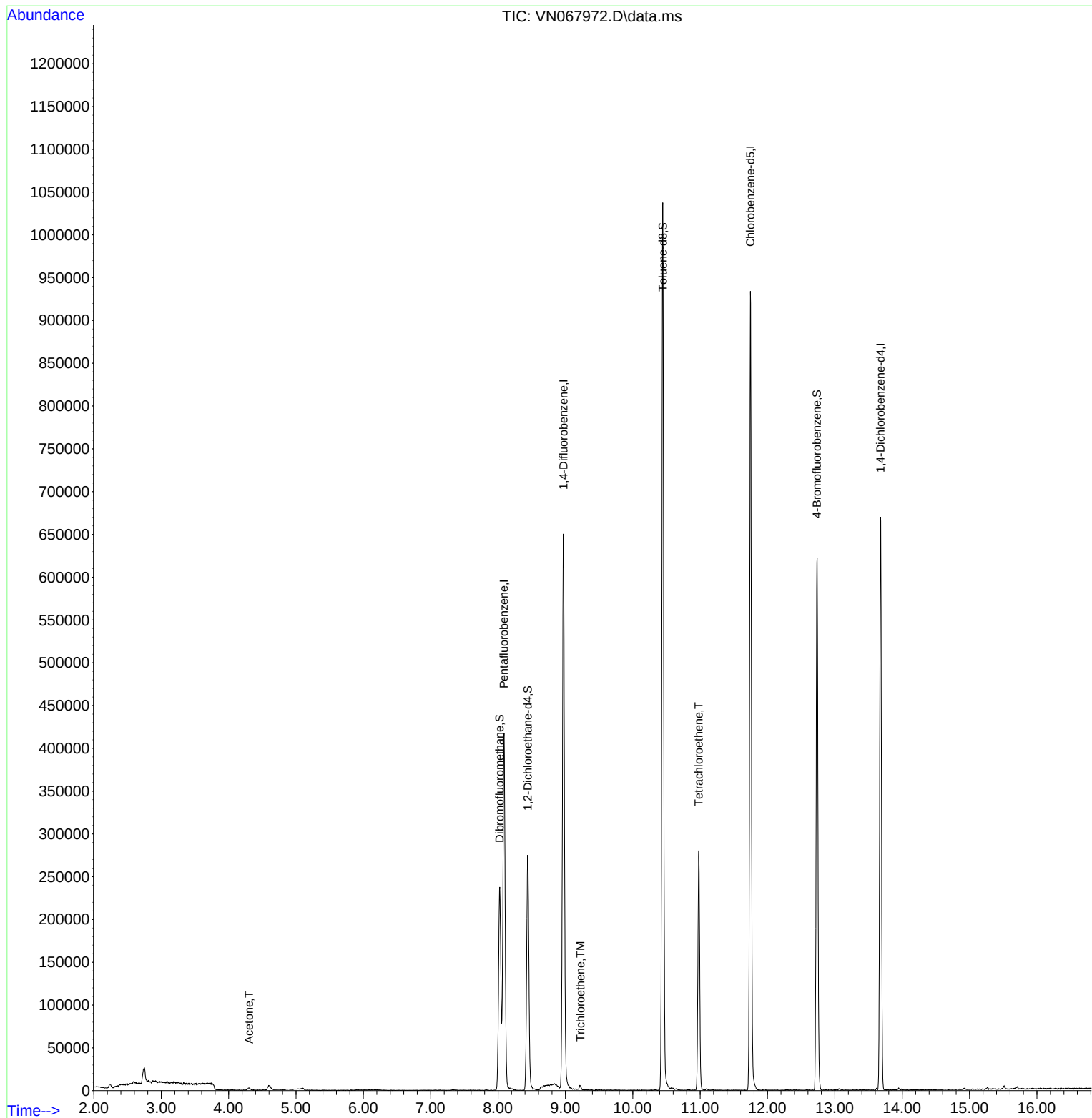
| Compound                    | R.T. QIon |       | Response | Conc     | Units | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------|----------|
| -----                       |           |       |          |          |       |          |
| Internal Standards          |           |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.088     | 168   | 299246   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971     | 114   | 570265   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.746    | 117   | 537743   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677    | 152   | 174240   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |           |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.440     | 65    | 235881   | 55.680   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 61 - 141 | Recovery | =     | 111.360% |
| 35) Dibromofluoromethane    | 8.024     | 113   | 174925   | 52.634   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 69 - 133 | Recovery | =     | 105.260% |
| 50) Toluene-d8              | 10.446    | 98    | 722065   | 47.303   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 65 - 126 | Recovery | =     | 94.600%  |
| 62) 4-Bromofluorobenzene    | 12.733    | 95    | 225283   | 41.111   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 135 | Recovery | =     | 82.220%  |
| Target Compounds            |           |       |          |          |       |          |
|                             |           |       |          |          |       | Qvalue   |
| 16) Acetone                 | 4.304     | 43    | 4888     | 3.162    | ug/l  | 99       |
| 44) Trichloroethene         | 9.223     | 130   | 1816     | 0.460    | ug/l  | 70       |
| 64) Tetrachloroethene       | 10.979    | 164   | 59833    | 15.536   | ug/l  | 92       |
| -----                       |           |       |          |          |       |          |

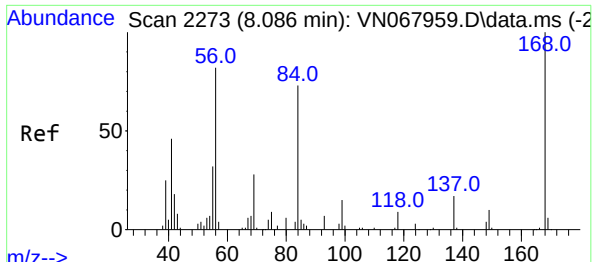
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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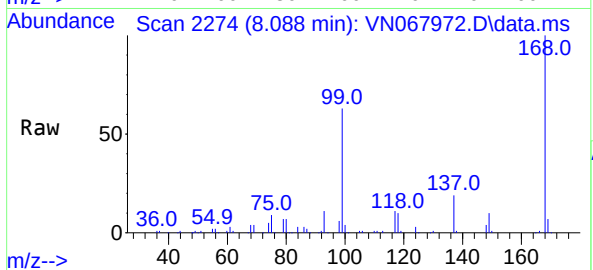
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 29 15:02:35 2021  
Response via : Initial Calibration



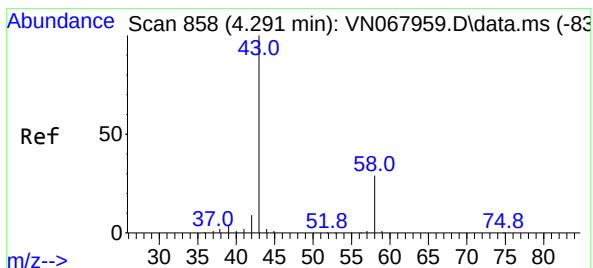
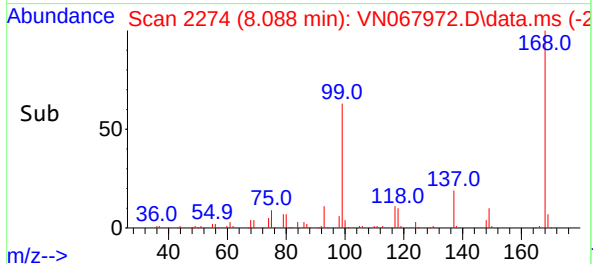
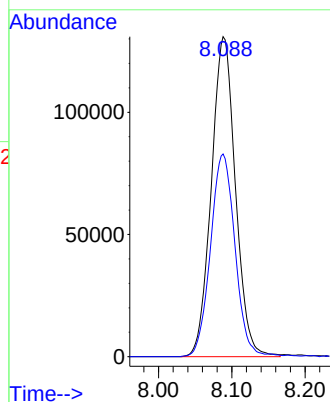


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

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ClientSampleId :  
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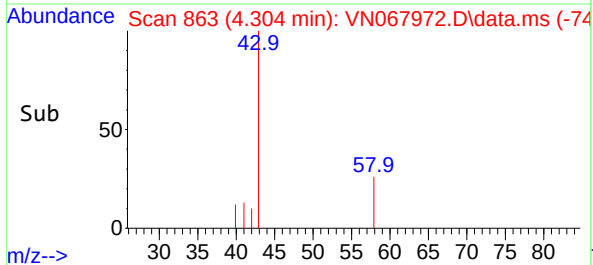
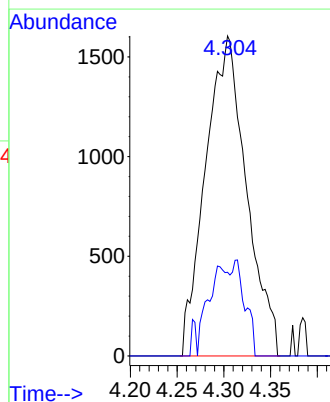
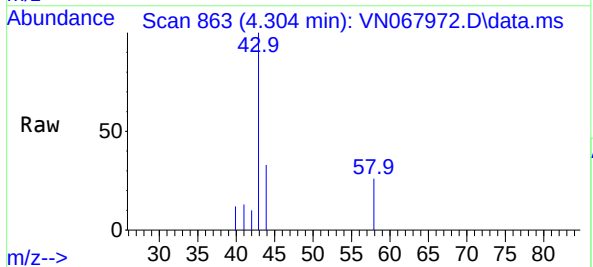


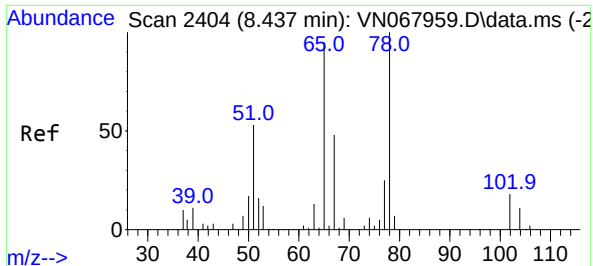
Tgt Ion:168 Resp: 299246  
Ion Ratio Lower Upper  
168 100  
99 63.4 62.9 94.3



#16  
Acetone  
Concen: 3.162 ug/l  
RT: 4.304 min Scan# 863  
Delta R.T. 0.013 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

Tgt Ion: 43 Resp: 4888  
Ion Ratio Lower Upper  
43 100  
58 26.2 21.2 31.8



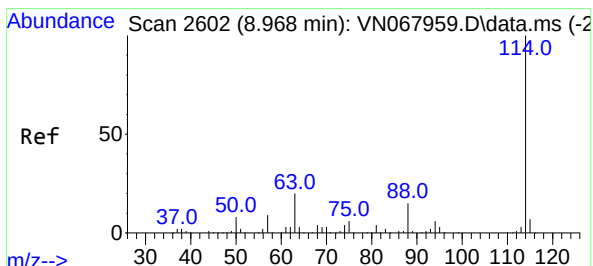
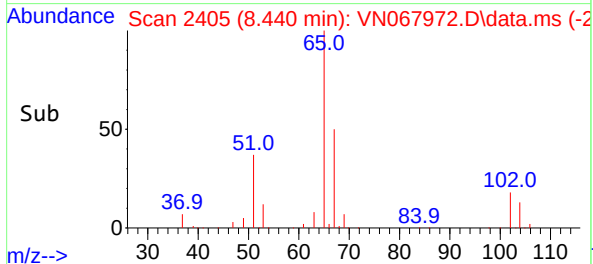
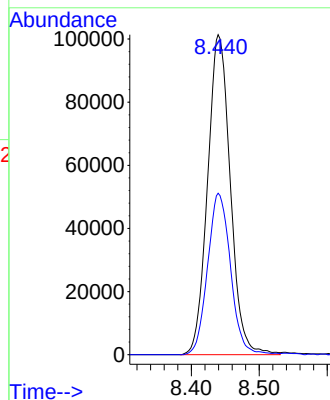
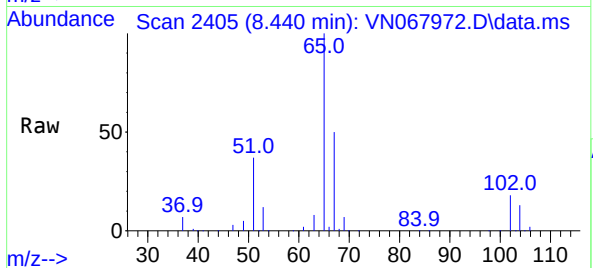


#33

1,2-Dichloroethane-d4  
Concen: 55.680 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

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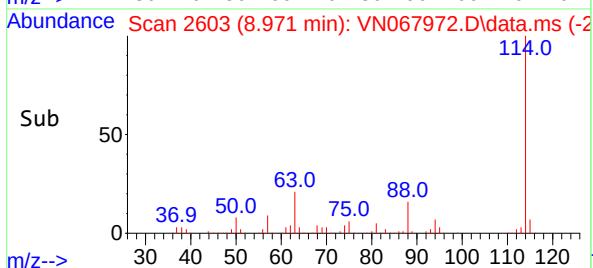
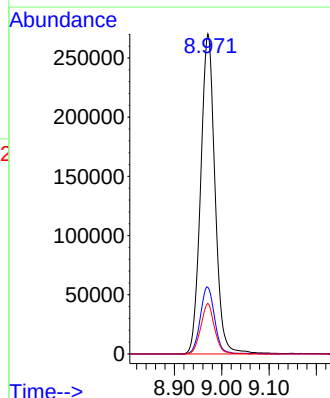
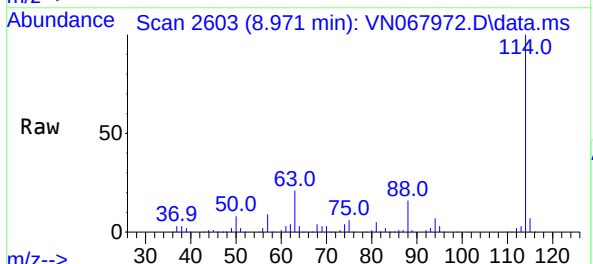
Tgt Ion: 65 Resp: 235881  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 98.6

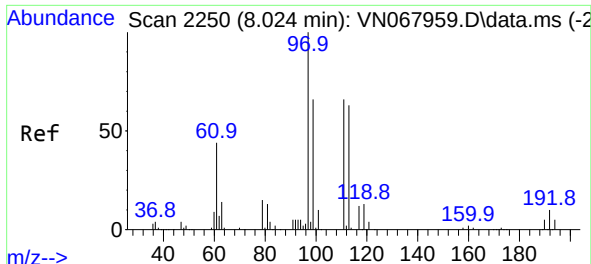


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

Tgt Ion: 114 Resp: 570265  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 49.0  
88 15.8 0.0 36.6

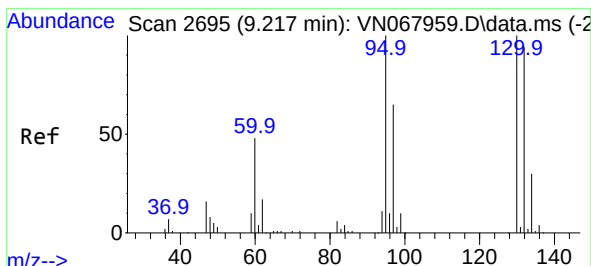
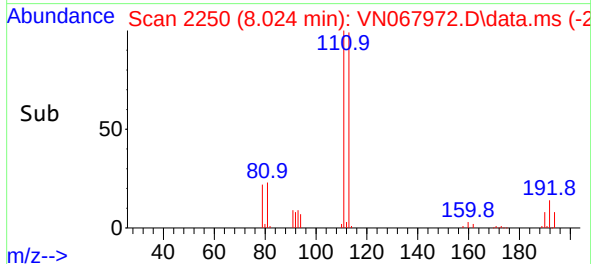
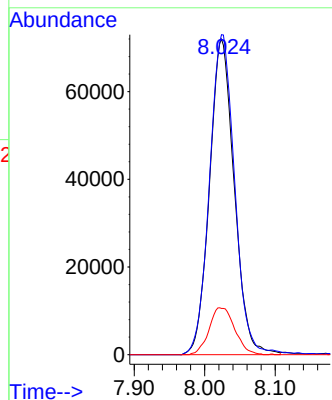
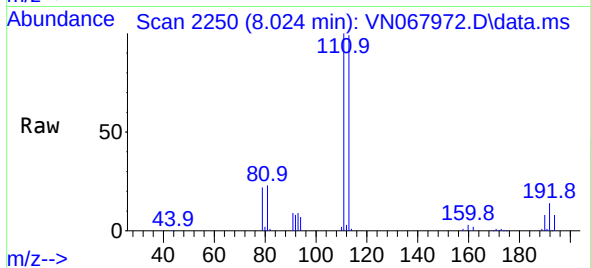




#35  
Dibromofluoromethane  
Concen: 52.634 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. -0.000 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

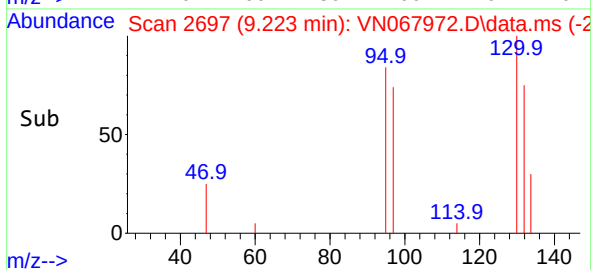
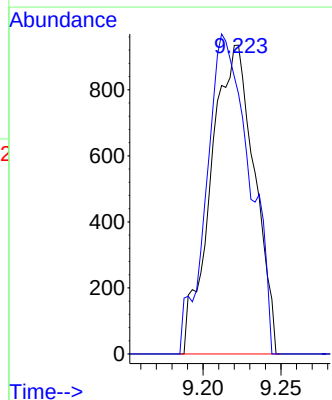
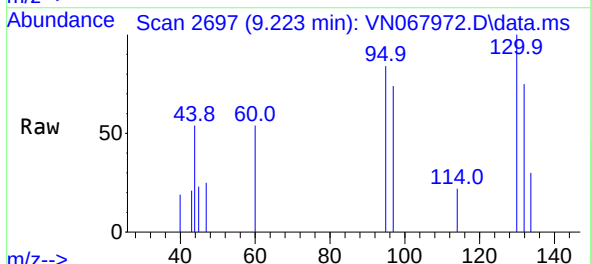
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-DDC-1-PDA

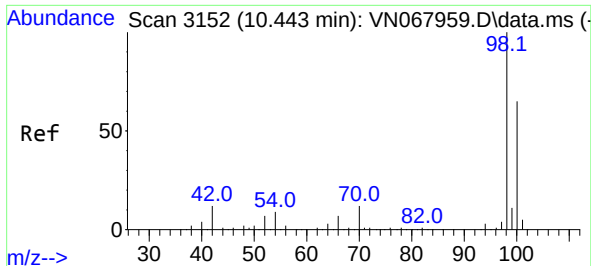
Tgt Ion:113 Resp: 174925  
Ion Ratio Lower Upper  
113 100  
111 102.4 83.8 125.8  
192 15.5 13.4 20.0



#44  
Trichloroethene  
Concen: 0.460 ug/l  
RT: 9.223 min Scan# 2697  
Delta R.T. 0.006 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

Tgt Ion:130 Resp: 1816  
Ion Ratio Lower Upper  
130 100  
95 84.4 0.0 234.4

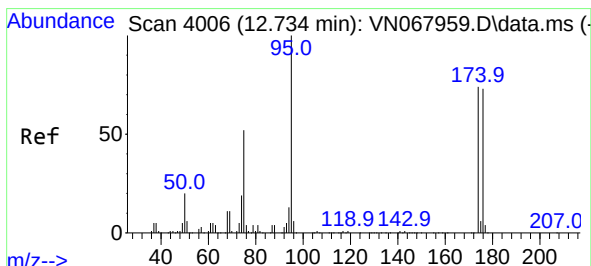
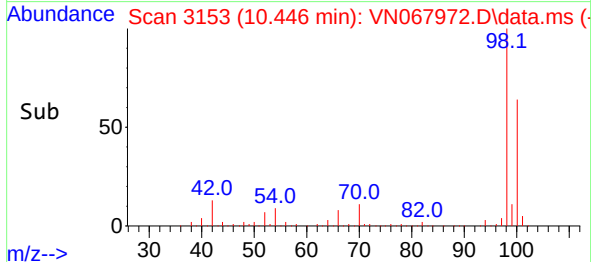
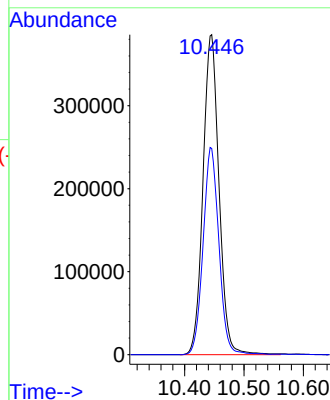
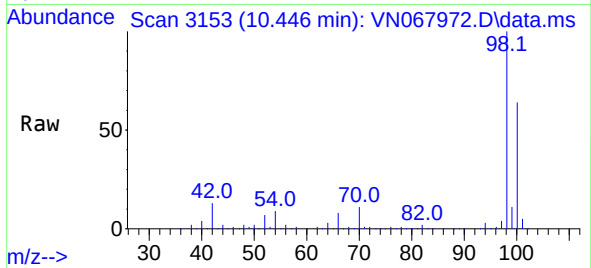




#50  
Toluene-d8  
Concen: 47.303 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

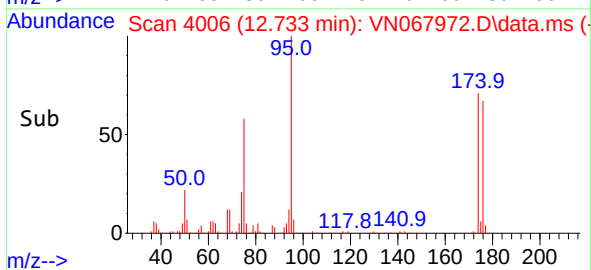
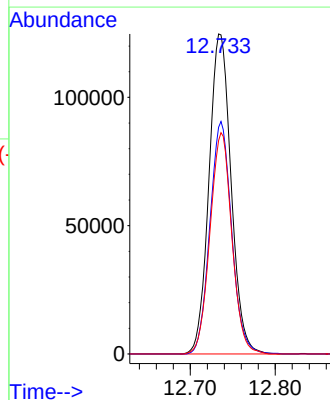
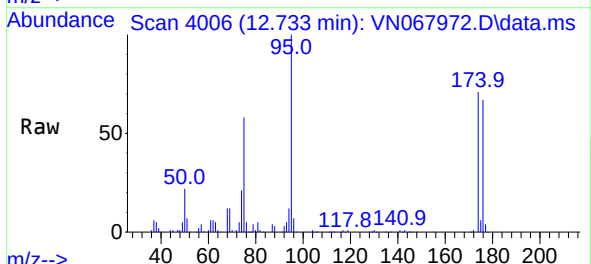
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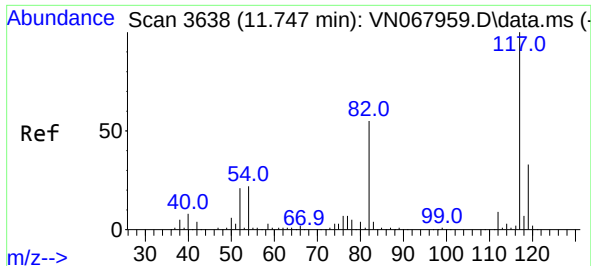
Tgt Ion: 98 Resp: 722065  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 41.111 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.001 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

Tgt Ion: 95 Resp: 225283  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 122.0  
176 68.2 0.0 117.6



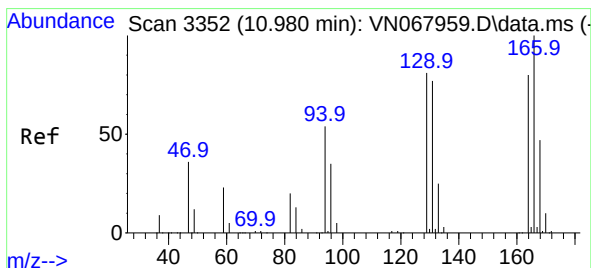
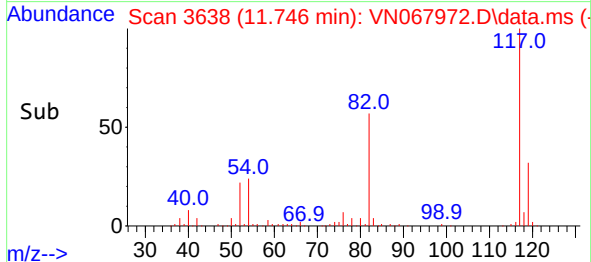
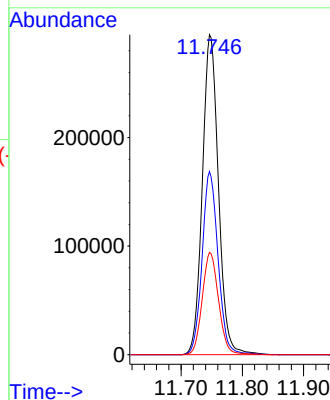
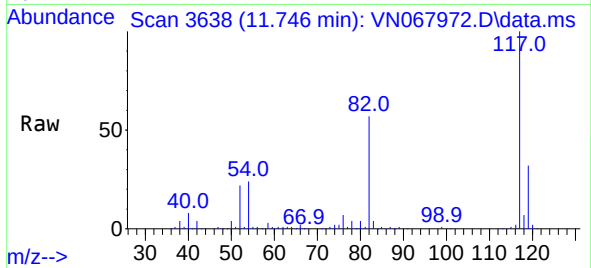


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.001 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-DDC-1-PDA

Tgt Ion:117 Resp: 537743

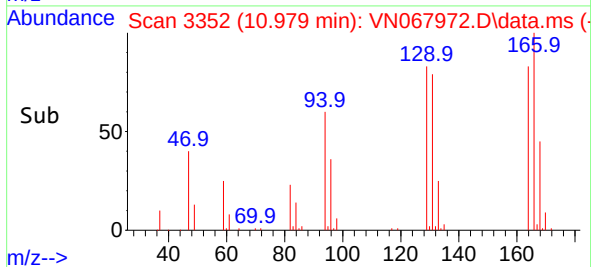
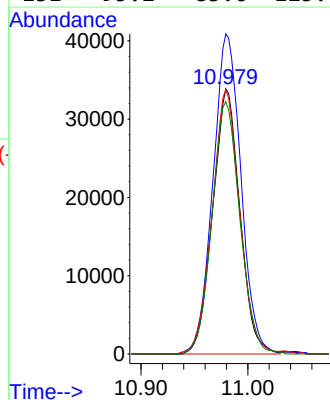
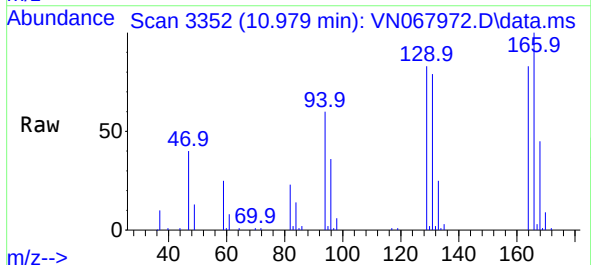
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 57.3  | 53.1  | 79.7  |
| 119 | 31.9  | 25.5  | 38.3  |

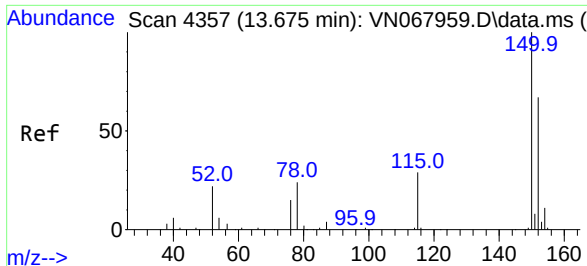


#64  
Tetrachloroethene  
Concen: 15.536 ug/l  
RT: 10.979 min Scan# 3352  
Delta R.T. -0.001 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

Tgt Ion:164 Resp: 59833

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 120.7 | 102.1 | 153.1 |
| 129 | 99.2  | 86.9  | 130.3 |
| 131 | 95.2  | 83.6  | 125.4 |





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.002 min  
Lab File: VN067972.D  
Acq: 29 Jul 2021 18:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion:152 Resp: 174240  
Ion Ratio Lower Upper  
152 100  
115 64.6 36.1 108.5  
150 158.5 0.0 351.8

