

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060521\  
 Data File : VN067234.D  
 Acq On : 5 Jun 2021 16:49  
 Operator : JC/MD  
 Sample : M2589-37  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FOUNDATION-EXCAVATION-SAMP

Quant Time: Jun 07 01:16:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060421W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 04 19:00:20 2021  
 Response via : Initial Calibration

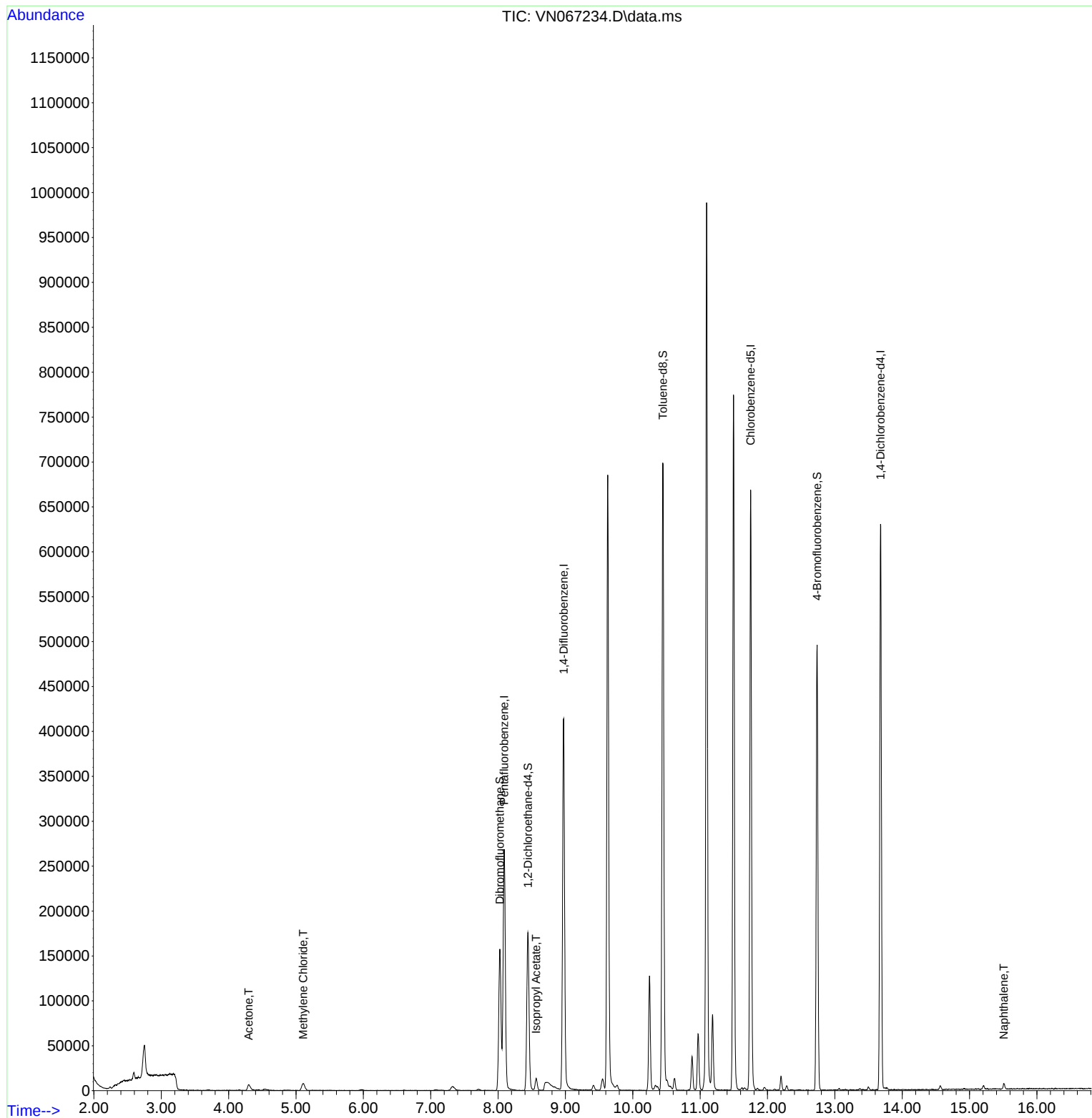
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.091          | 168  | 212456     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.973          | 114  | 376032     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.749         | 117  | 377981     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677         | 152  | 163573     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.442          | 65   | 140390     | 48.476   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 96.960%  |        |          |
| 35) Dibromofluoromethane    | 8.027          | 113  | 112221     | 48.140   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 96.280%  |        |          |
| 50) Toluene-d8              | 10.448         | 98   | 499881     | 52.652   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 105.300% |        |          |
| 62) 4-Bromofluorobenzene    | 12.736         | 95   | 161114     | 44.062   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 88.120%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
| 16) Acetone                 | 4.296          | 43   | 12011      | 12.020   | ug/l # | 85       |
| 20) Methylene Chloride      | 5.106          | 84   | 6600       | 2.623    | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.566          | 43   | 15901      | 2.498    | ug/l # | 83       |
| 95) Naphthalene             | 15.507         | 128  | 6354       | 5.221    | ug/l   | 98       |
| -----                       |                |      |            |          |        |          |

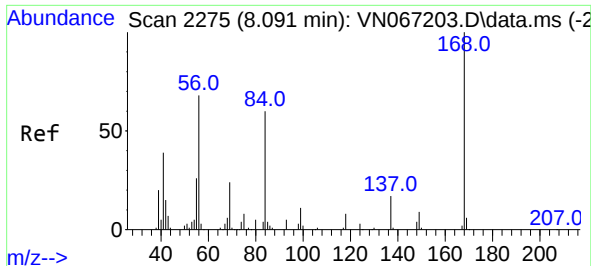
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 07 01:16:45 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060421W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 04 19:00:20 2021  
Response via : Initial Calibration

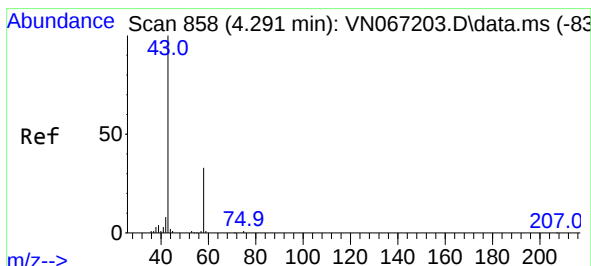
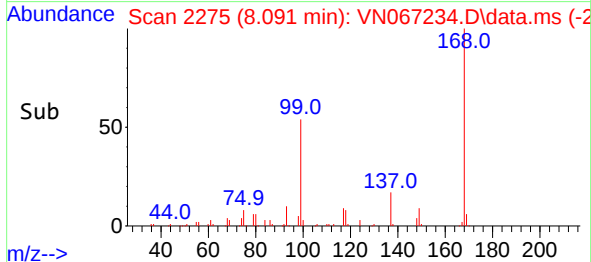
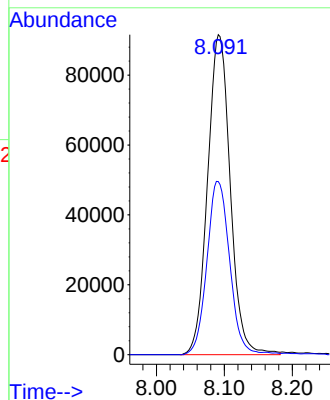
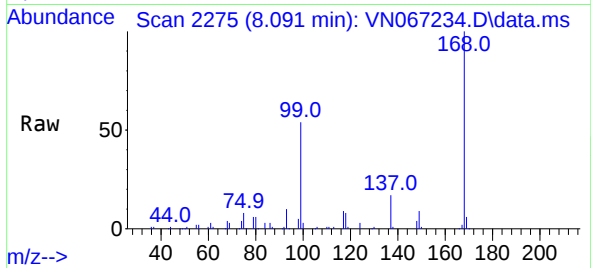




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. -0.000 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

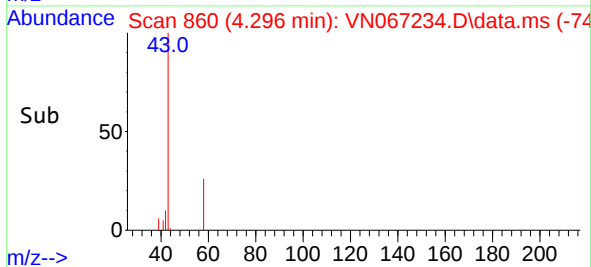
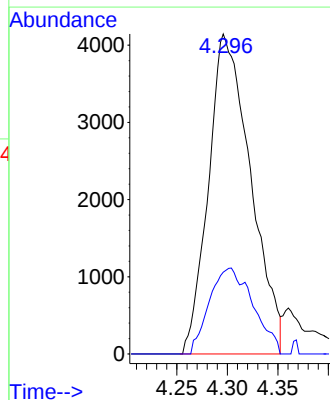
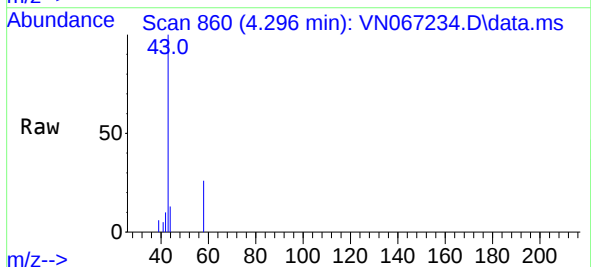
Instrument :  
MSVOA\_N  
ClientSampleId :  
FOUNDATION-EXCAVATION-SAMP

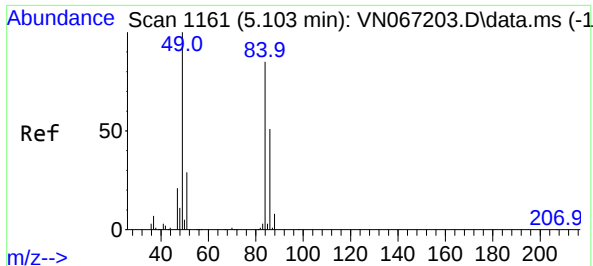
Tgt Ion:168 Resp: 212456  
Ion Ratio Lower Upper  
168 100  
99 54.1 38.5 57.7



#16  
Acetone  
Concen: 12.020 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.005 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

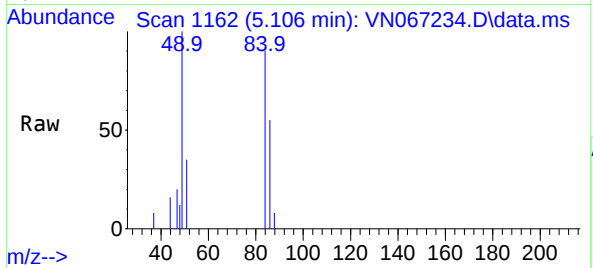
Tgt Ion: 43 Resp: 12011  
Ion Ratio Lower Upper  
43 100  
58 25.6 27.2 40.8#





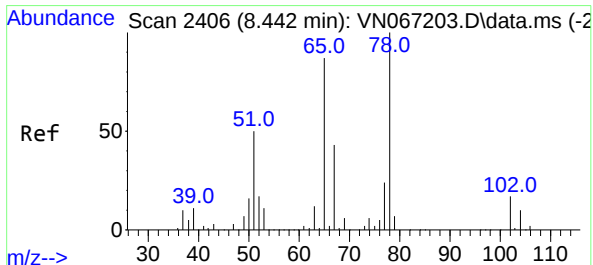
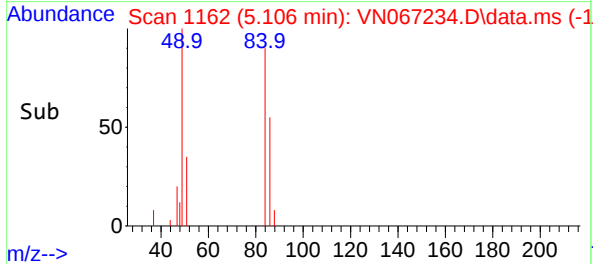
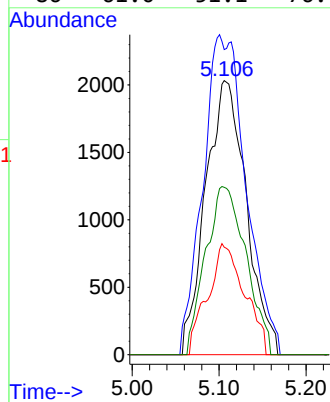
#20  
Methylene Chloride  
Concen: 2.623 ug/l  
RT: 5.106 min Scan# 1162  
Delta R.T. 0.003 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

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Tgt Ion: 84 Resp: 6600

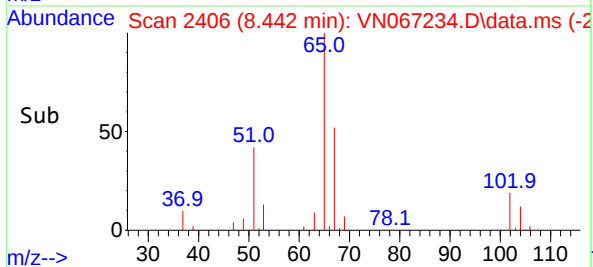
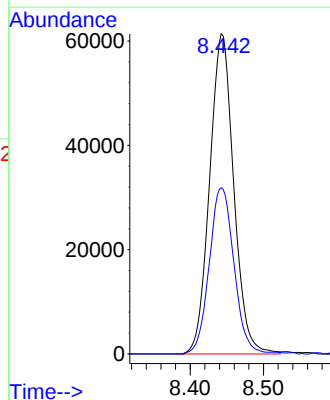
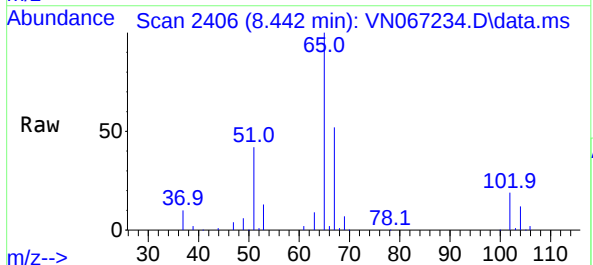
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 111.3 | 88.3  | 132.5 |
| 51  | 39.3  | 26.7  | 40.1  |
| 86  | 61.0  | 51.1  | 76.7  |

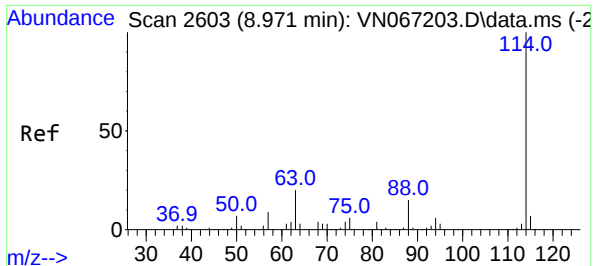


#33  
1,2-Dichloroethane-d4  
Concen: 48.476 ug/l  
RT: 8.442 min Scan# 2406  
Delta R.T. -0.000 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

Tgt Ion: 65 Resp: 140390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 53.3  | 0.0   | 110.4 |

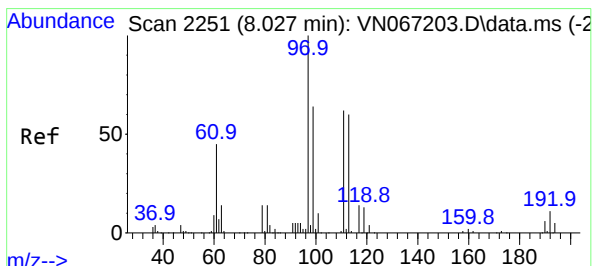
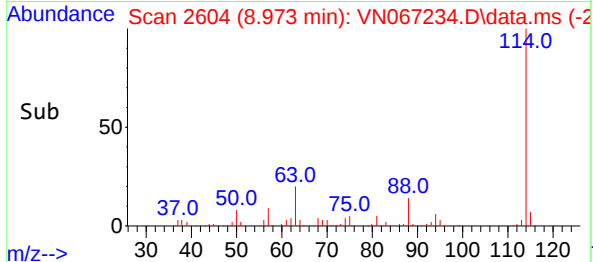
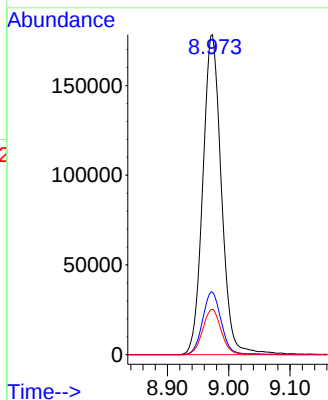
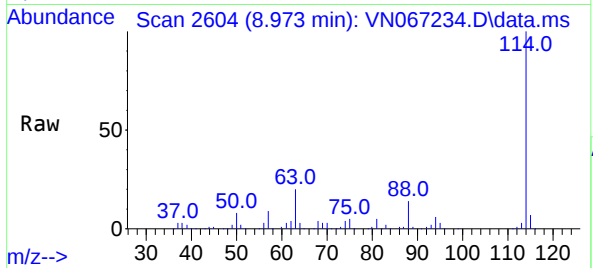




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.973 min Scan# 2604  
Delta R.T. 0.003 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

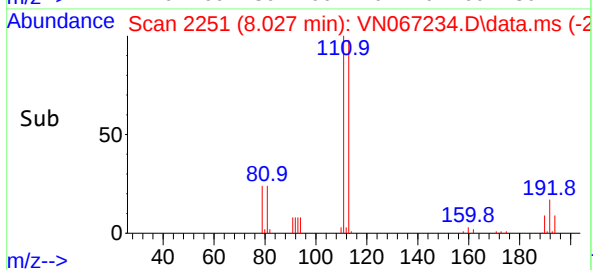
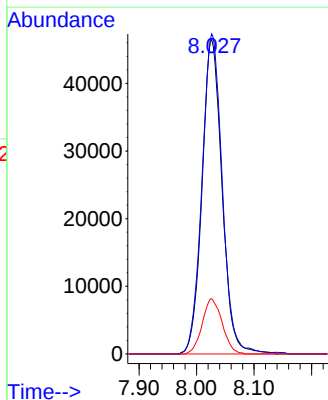
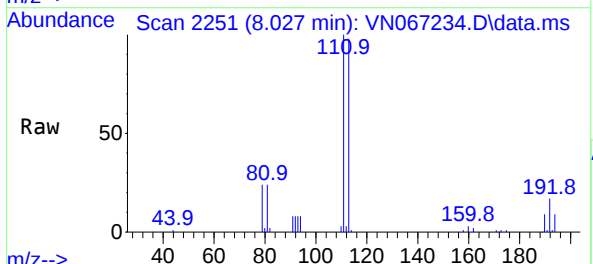
Instrument :  
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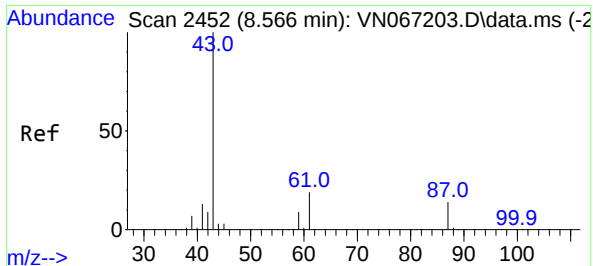
Tgt Ion:114 Resp: 376032  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 35.8  
88 14.2 0.0 30.4



#35  
Dibromofluoromethane  
Concen: 48.140 ug/l  
RT: 8.027 min Scan# 2251  
Delta R.T. -0.000 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

Tgt Ion:113 Resp: 112221  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.6 124.0  
192 17.5 18.2 27.4#

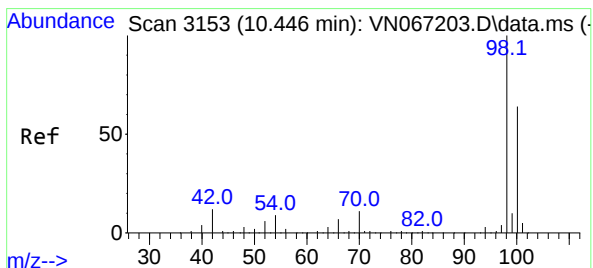
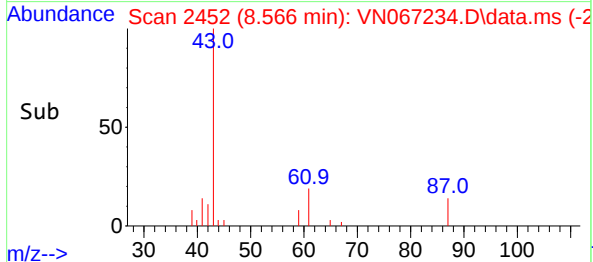
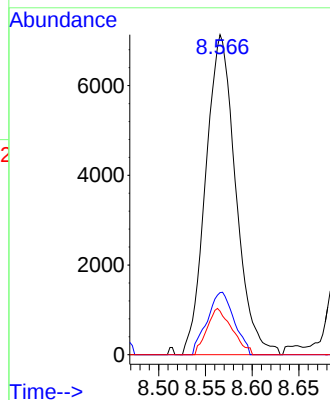
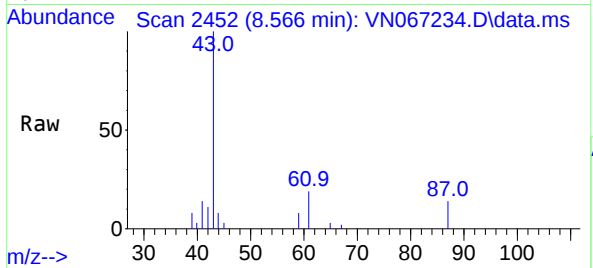




#43  
Isopropyl Acetate  
Concen: 2.498 ug/l  
RT: 8.566 min Scan# 2452  
Delta R.T. -0.000 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

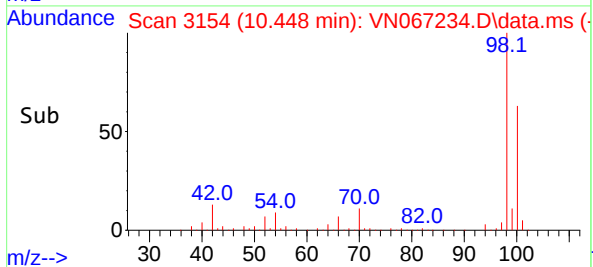
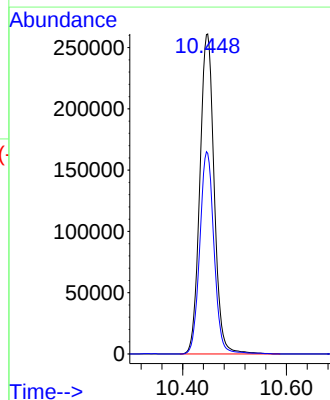
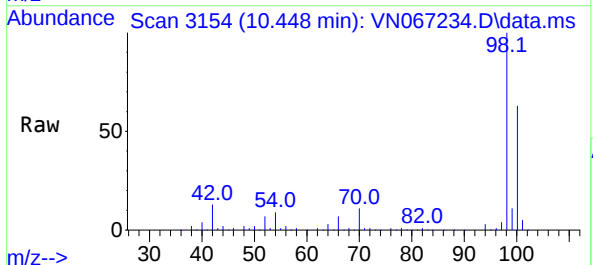
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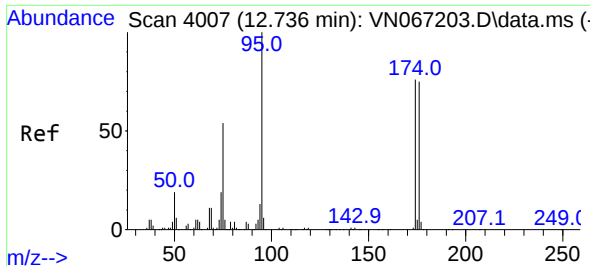
Tgt Ion: 43 Resp: 15901  
Ion Ratio Lower Upper  
43 100  
61 17.6 23.4 35.0#  
87 12.1 12.2 18.2#



#50  
Toluene-d8  
Concen: 52.652 ug/l  
RT: 10.448 min Scan# 3154  
Delta R.T. 0.003 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

Tgt Ion: 98 Resp: 499881  
Ion Ratio Lower Upper  
98 100  
100 63.0 51.8 77.8

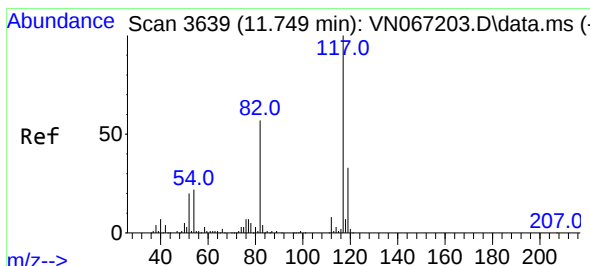
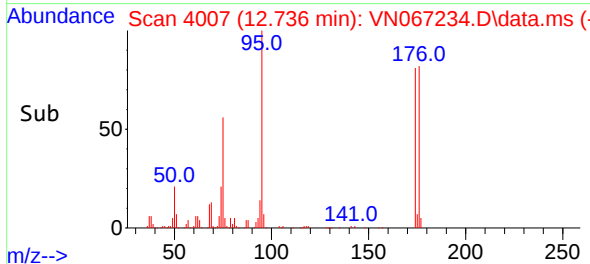
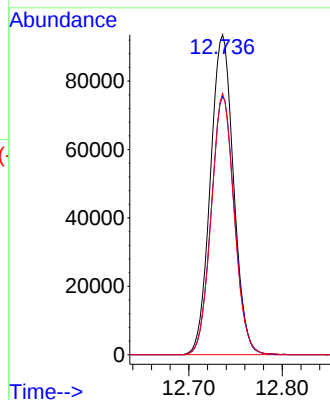
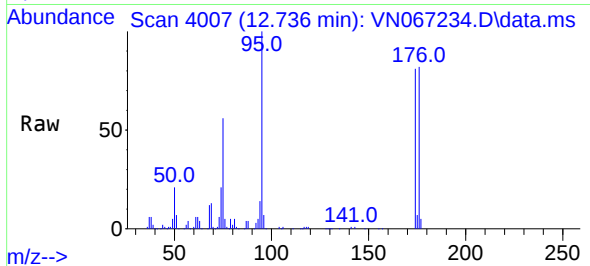




#62  
4-Bromofluorobenzene  
Concen: 44.062 ug/l  
RT: 12.736 min Scan# 4007  
Delta R.T. -0.000 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

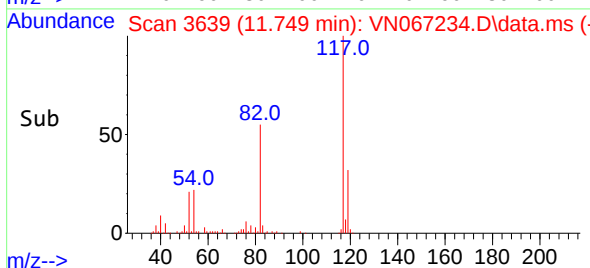
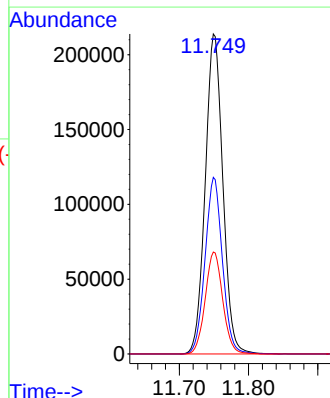
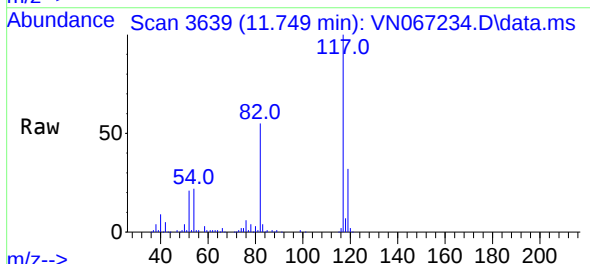
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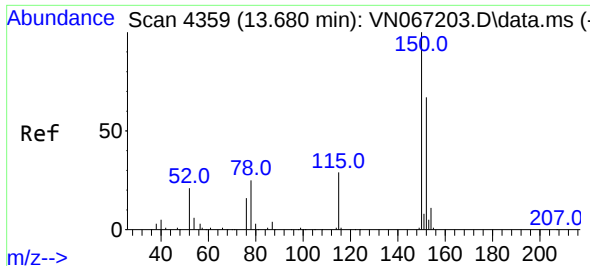
Tgt Ion: 95 Resp: 161114  
Ion Ratio Lower Upper  
95 100  
174 81.2 0.0 182.8  
176 80.6 0.0 176.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.749 min Scan# 3639  
Delta R.T. -0.000 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

Tgt Ion:117 Resp: 377981  
Ion Ratio Lower Upper  
117 100  
82 55.2 42.2 63.2  
119 31.8 25.8 38.6

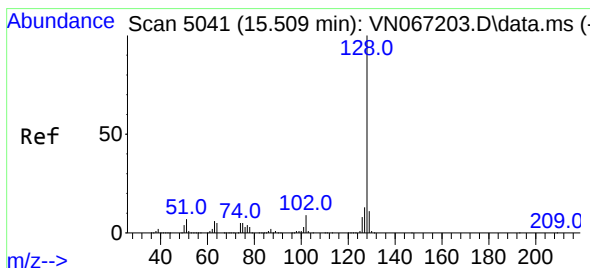
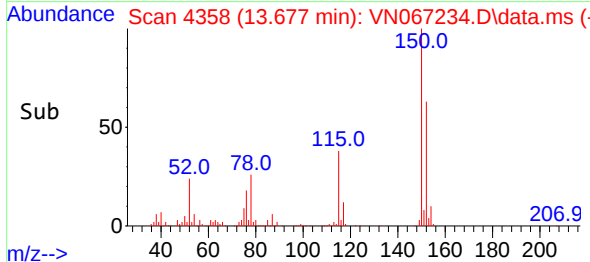
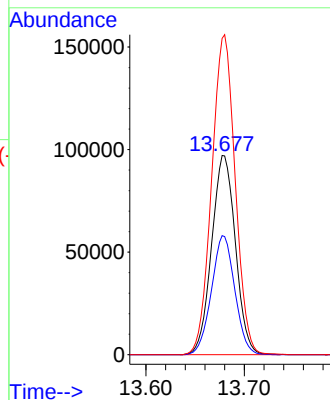
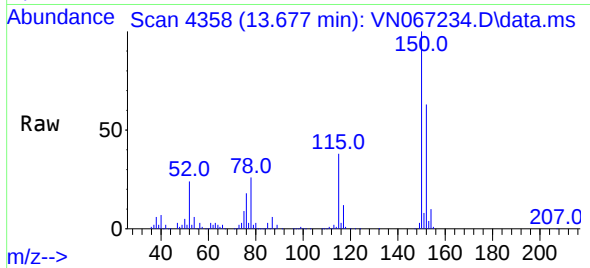




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. -0.003 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

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Tgt Ion:152 Resp: 163573  
Ion Ratio Lower Upper  
152 100  
115 58.7 27.0 80.8  
150 158.7 0.0 350.2



#95  
Naphthalene  
Concen: 5.221 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.002 min  
Lab File: VN067234.D  
Acq: 5 Jun 2021 16:49

Tgt Ion:128 Resp: 6354  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.2  
129 9.4 8.6 13.0

