

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020921\  
 Data File : VN065781.D  
 Acq On : 9 Feb 2021 15:34  
 Operator : JC/MD  
 Sample : PB134530ZHE#01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB134530ZHE#01

Quant Time: Feb 10 00:58:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 2021  
 Response via : Initial Calibration

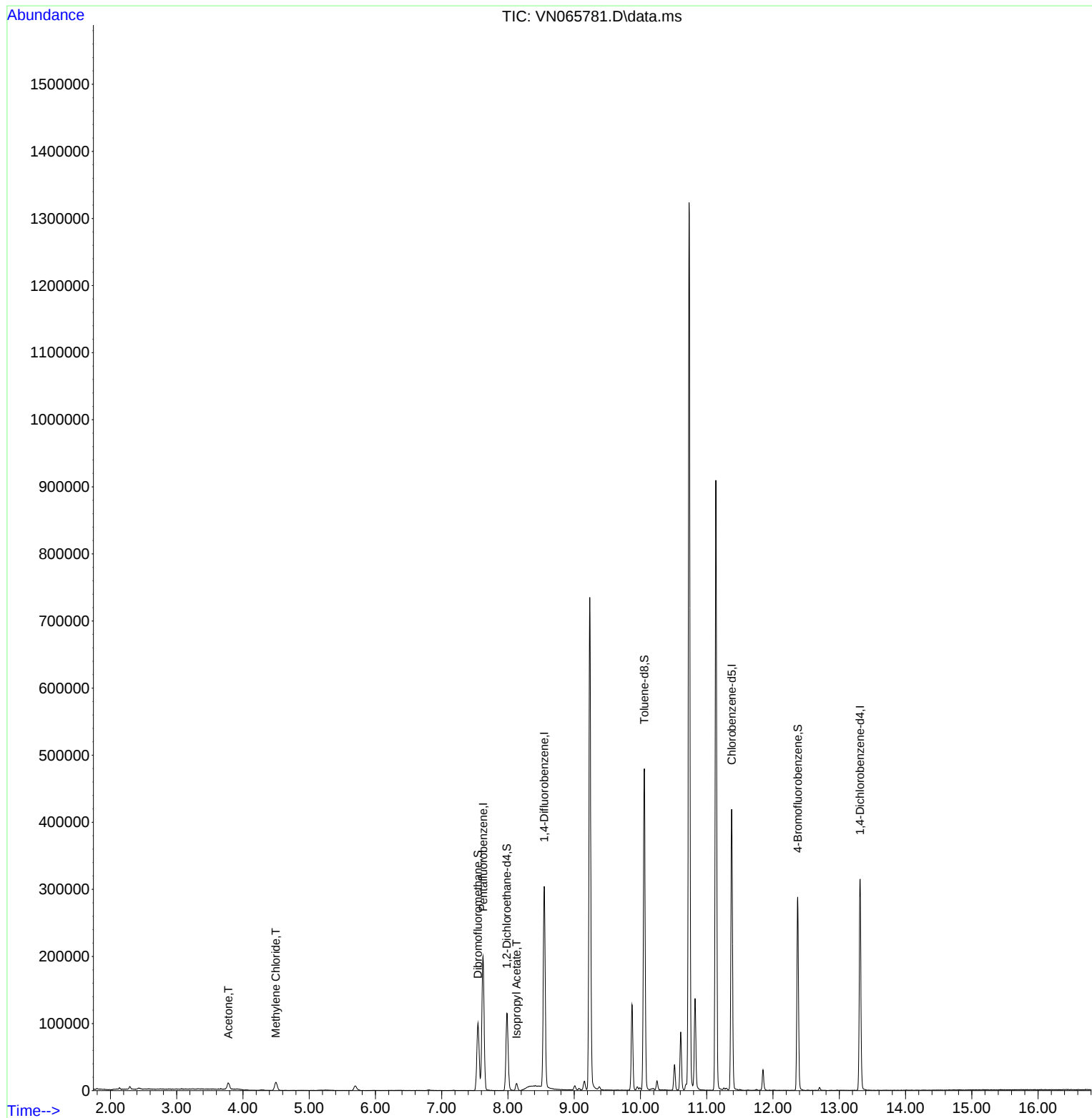
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.624  | 168   | 170868   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.547  | 114   | 286794   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.376 | 117   | 256326   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.315 | 152   | 94458    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.984  | 65    | 96694    | 43.01    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 86.02%   |
| 35) Dibromofluoromethane    | 7.547  | 113   | 81485    | 47.95    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 95.90%   |
| 50) Toluene-d8              | 10.058 | 98    | 352851   | 52.82    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 105.64%  |
| 62) 4-Bromofluorobenzene    | 12.373 | 95    | 115116   | 47.85    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 95.70%   |
| Target Compounds            |        |       |          |          |        |          |
| 16) Acetone                 | 3.779  | 43    | 14770    | 16.88    | ug/l   | 98       |
| 20) Methylene Chloride      | 4.496  | 84    | 9793     | 4.04     | ug/l   | 93       |
| 43) Isopropyl Acetate       | 8.129  | 43    | 12521    | 2.55     | ug/l # | 89       |
| -----                       |        |       |          |          |        |          |

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

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Sample : PB134530ZHE#01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134530ZHE#01

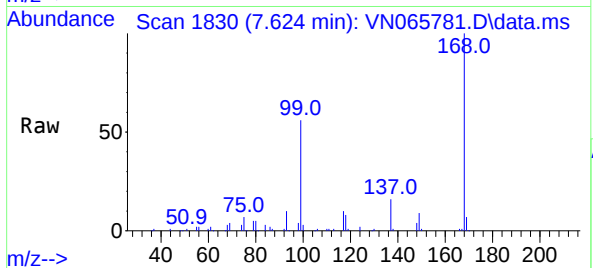
Quant Time: Feb 10 00:58:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:47:28 2021  
Response via : Initial Calibration



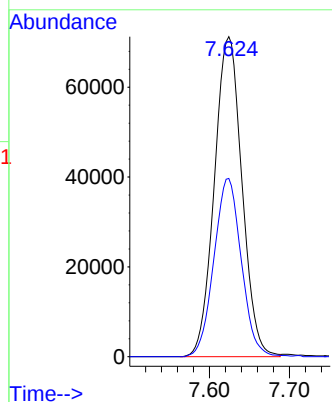
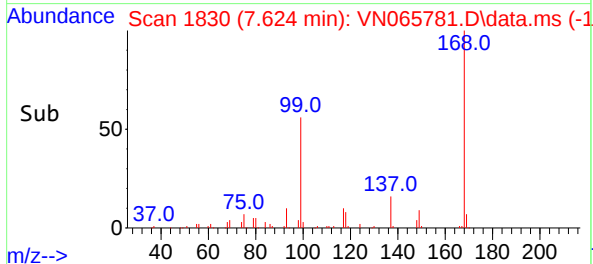


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN065781.D  
Acq: 9 Feb 2021 15:34

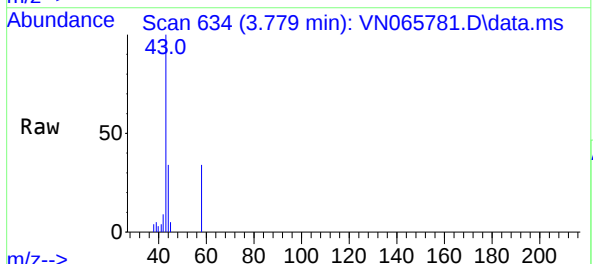
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134530ZHE#01



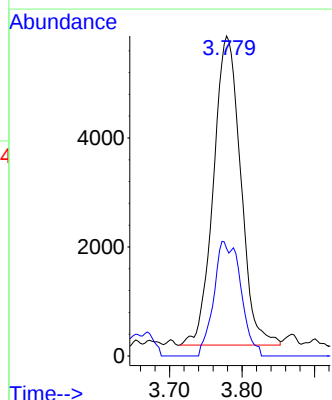
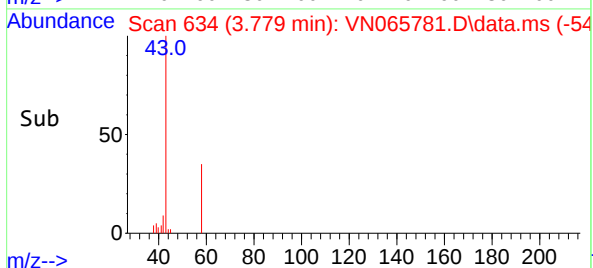
Tgt Ion:168 Resp: 170868  
Ion Ratio Lower Upper  
168 100  
99 55.7 42.6 63.8

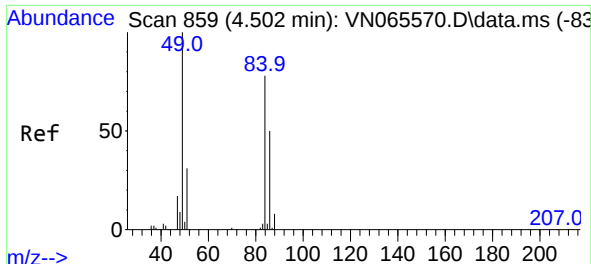


#16  
Acetone  
Concen: 16.88 ug/l  
RT: 3.779 min Scan# 634  
Delta R.T. -0.003 min  
Lab File: VN065781.D  
Acq: 9 Feb 2021 15:34



Tgt Ion: 43 Resp: 14770  
Ion Ratio Lower Upper  
43 100  
58 34.7 27.0 40.6



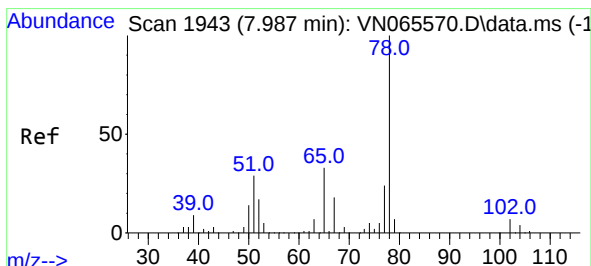
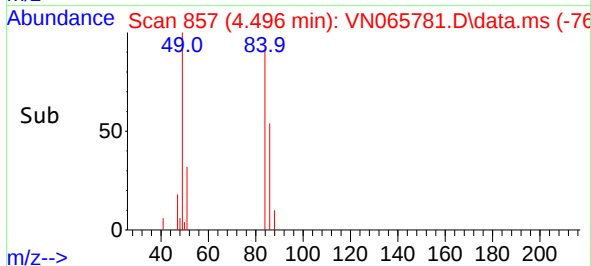
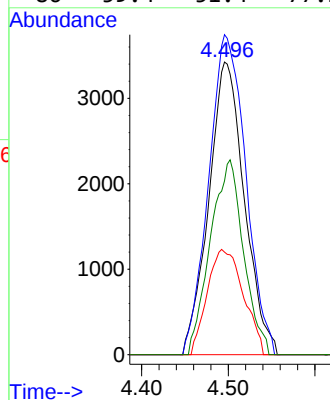
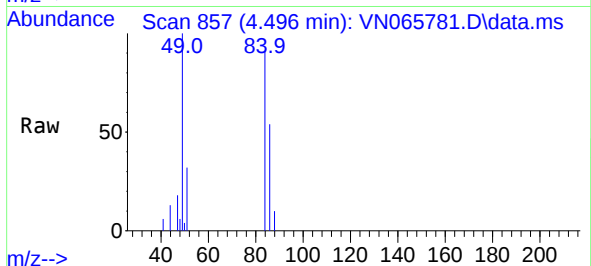


#20  
Methylene Chloride  
Concen: 4.04 ug/l  
RT: 4.496 min Scan# 857  
Delta R.T. -0.006 min  
Lab File: VN065781.D  
Acq: 9 Feb 2021 15:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134530ZHE#01

Tgt Ion: 84 Resp: 9793

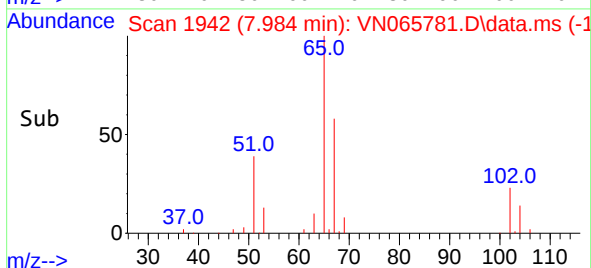
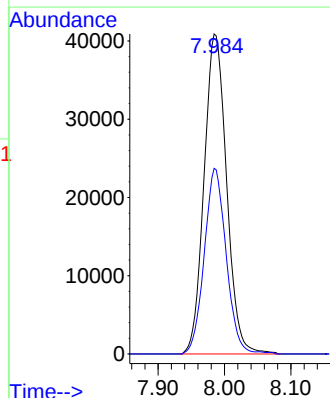
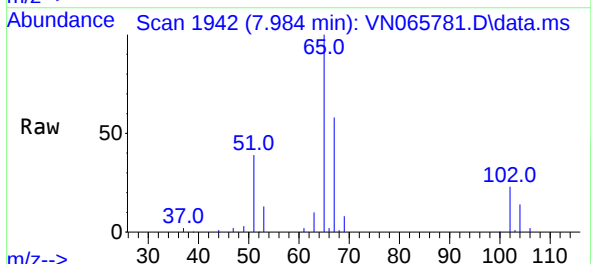
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 109.3 | 94.6  | 141.8 |
| 51  | 35.0  | 29.9  | 44.9  |
| 86  | 59.4  | 51.4  | 77.2  |

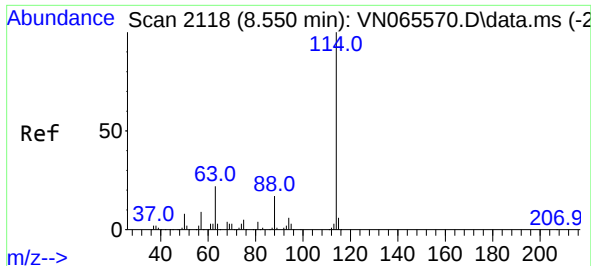


#33  
1,2-Dichloroethane-d4  
Concen: 43.01 ug/l  
RT: 7.984 min Scan# 1942  
Delta R.T. -0.003 min  
Lab File: VN065781.D  
Acq: 9 Feb 2021 15:34

Tgt Ion: 65 Resp: 96694

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 56.5  | 0.0   | 107.2 |



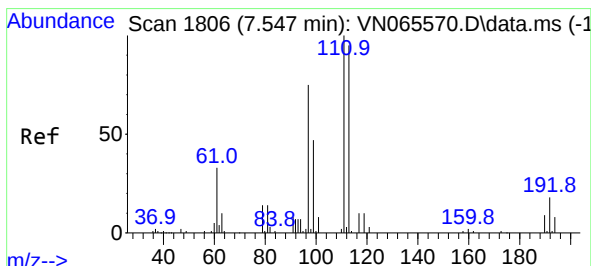
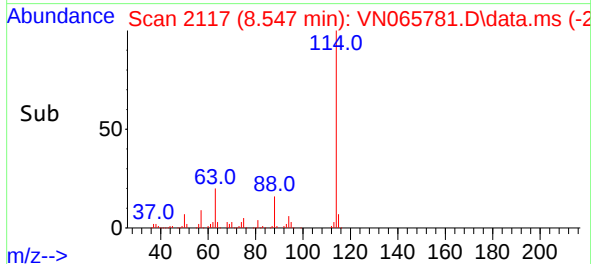
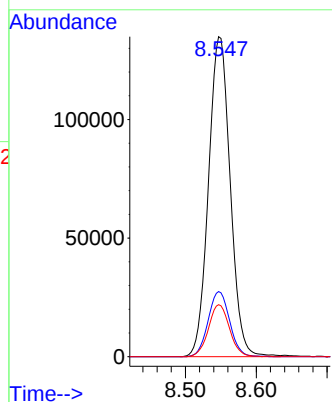
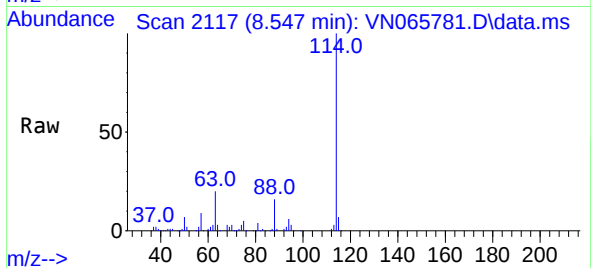


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.547 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: VN065781.D  
Acq: 9 Feb 2021 15:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134530ZHE#01

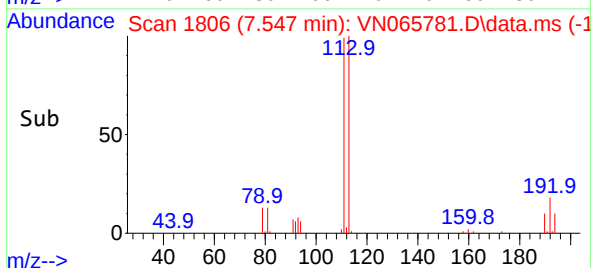
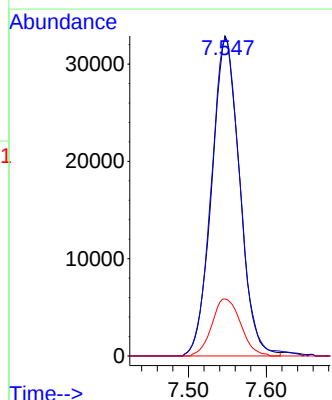
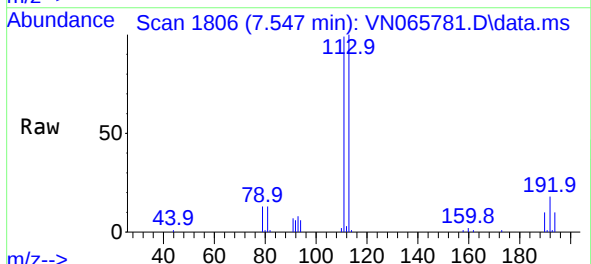
Tgt Ion:114 Resp: 286794  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 38.6  
88 16.3 0.0 30.6

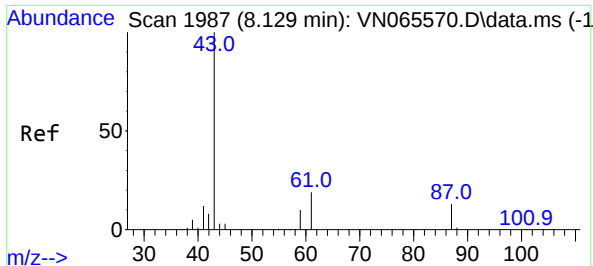


#35

Dibromofluoromethane  
Concen: 47.95 ug/l  
RT: 7.547 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN065781.D  
Acq: 9 Feb 2021 15:34

Tgt Ion:113 Resp: 81485  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.2 123.2  
192 18.5 15.4 23.0

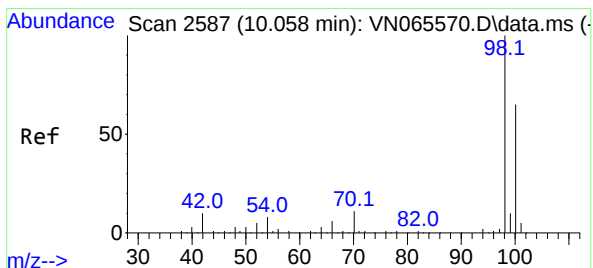
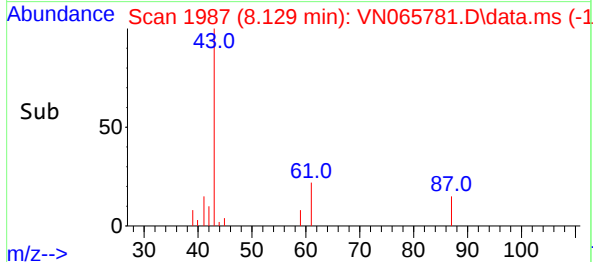
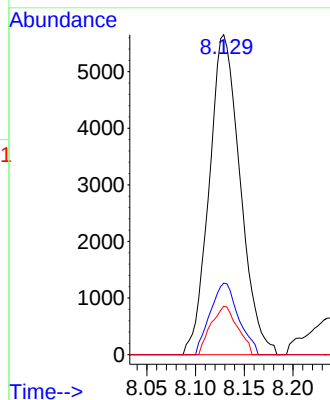
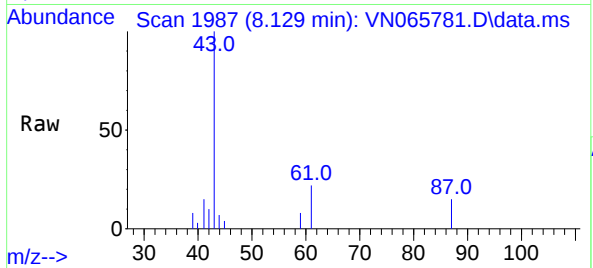




#43  
Isopropyl Acetate  
Concen: 2.55 ug/l  
RT: 8.129 min Scan# 1987  
Delta R.T. -0.000 min  
Lab File: VN065781.D  
Acq: 9 Feb 2021 15:34

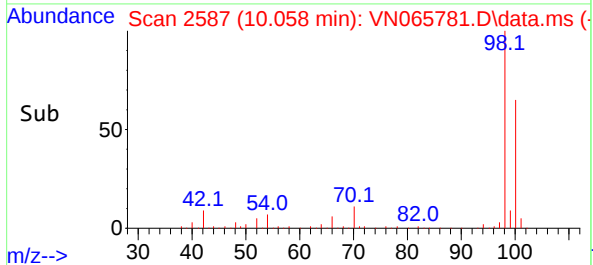
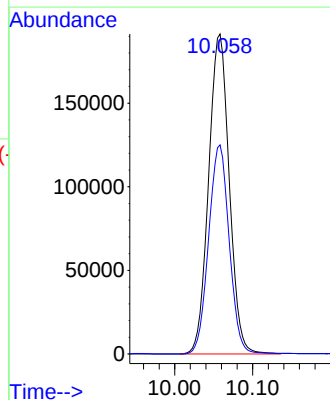
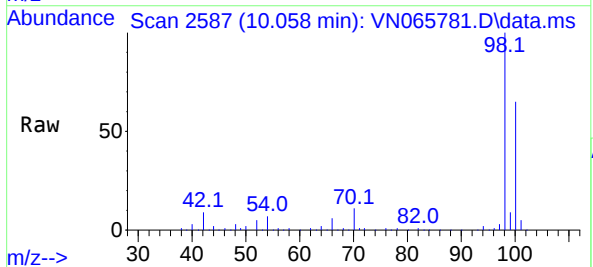
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134530ZHE#01

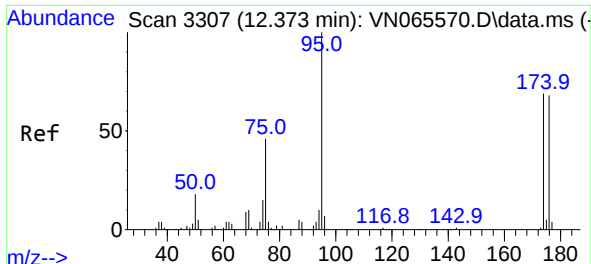
Tgt Ion: 43 Resp: 12521  
Ion Ratio Lower Upper  
43 100  
61 20.4 22.5 33.7#  
87 12.9 11.1 16.7



#50  
Toluene-d8  
Concen: 52.82 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065781.D  
Acq: 9 Feb 2021 15:34

Tgt Ion: 98 Resp: 352851  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.5 75.7

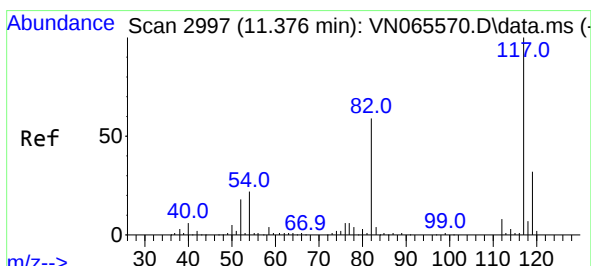
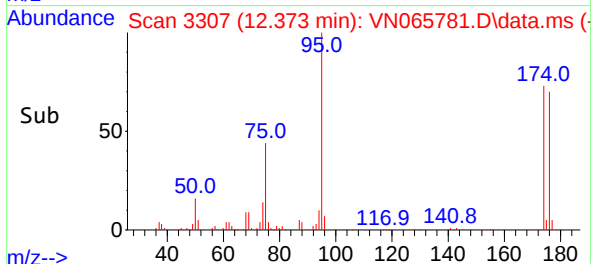
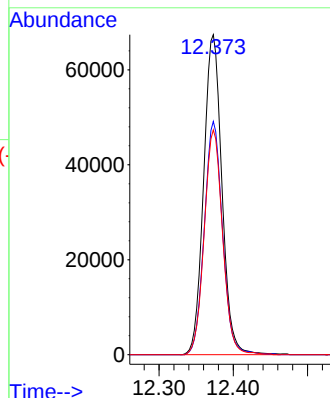
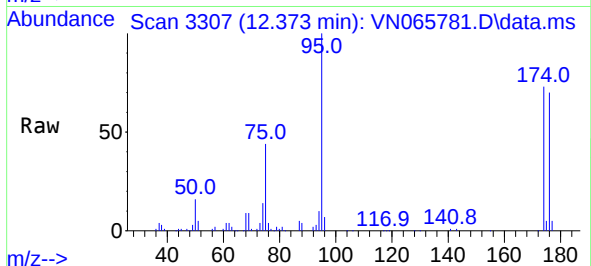




#62  
4-Bromofluorobenzene  
Concen: 47.85 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.000 min  
Lab File: VN065781.D  
Acq: 9 Feb 2021 15:34

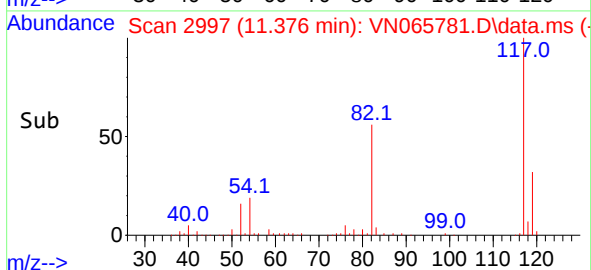
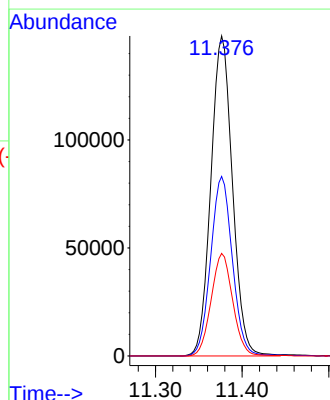
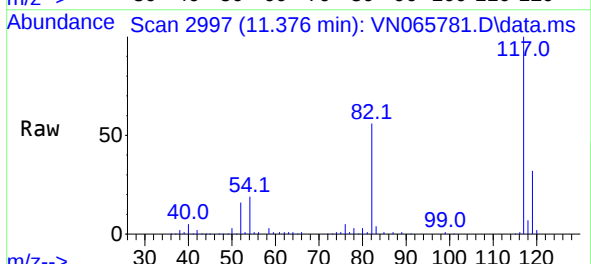
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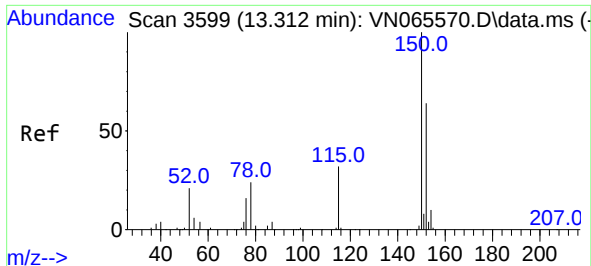
Tgt Ion: 95 Resp: 115116  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 169.0  
176 70.6 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065781.D  
Acq: 9 Feb 2021 15:34

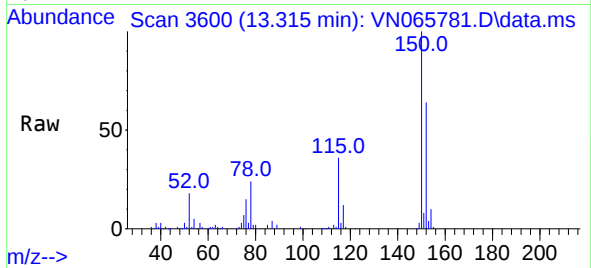
Tgt Ion: 117 Resp: 256326  
Ion Ratio Lower Upper  
117 100  
82 56.1 43.7 65.5  
119 32.1 26.1 39.1





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.315 min Scan# 3600  
 Delta R.T. 0.003 min  
 Lab File: VN065781.D  
 Acq: 9 Feb 2021 15:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB134530ZHE#01



Tgt Ion:152 Resp: 94458  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 57.7  | 28.5  | 85.6  |
| 150 | 156.6 | 0.0   | 347.6 |

