

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080921\  
 Data File : VN068044.D  
 Acq On : 9 Aug 2021 17:33  
 Operator : JC/MD  
 Sample : PB138255ZHE#12  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB138255ZHE#12

Quant Time: Aug 10 03:52:43 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

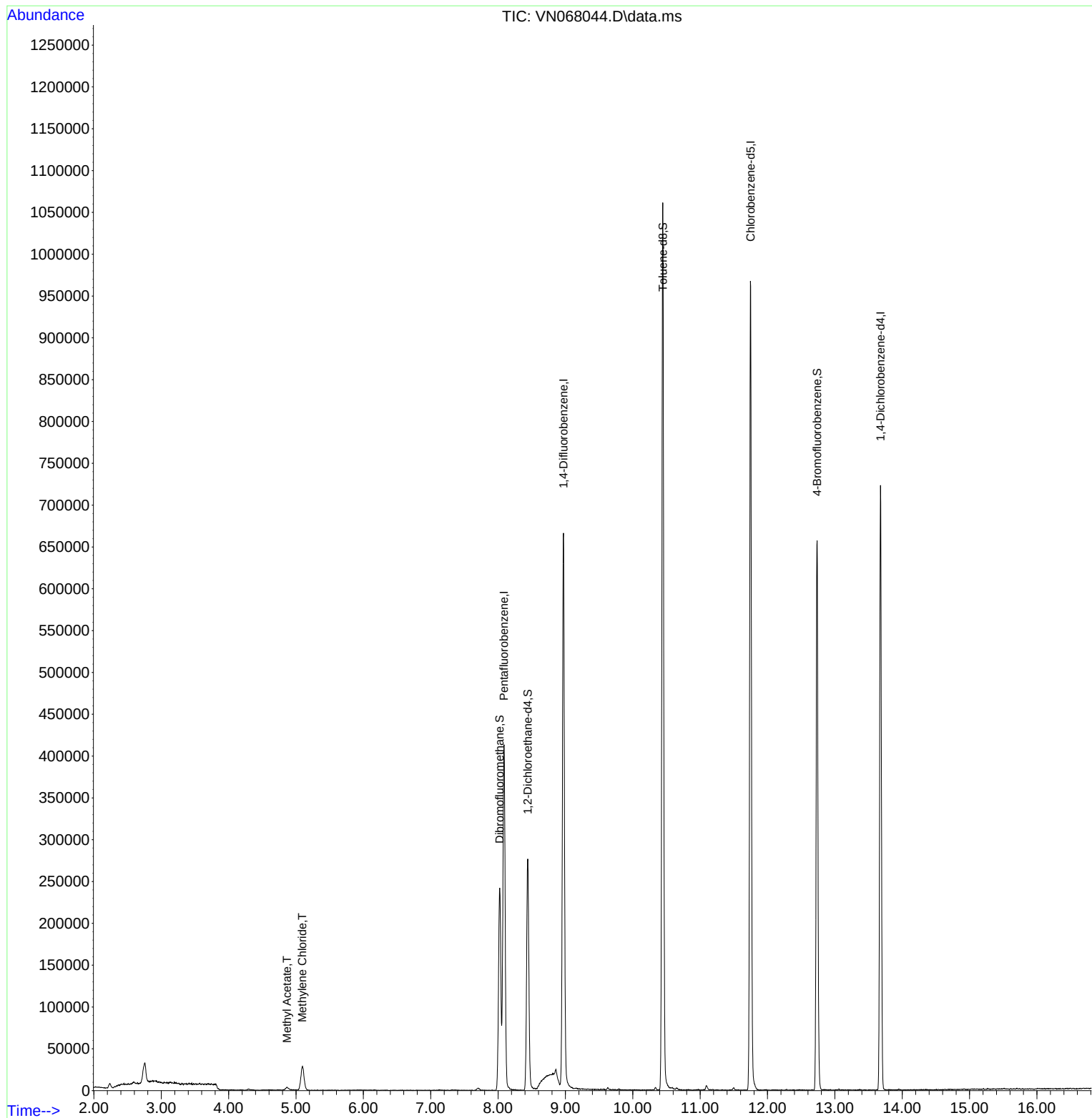
| Compound                    | R.T. QIon |       | Response | Conc     | Units | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------|----------|
| -----                       |           |       |          |          |       |          |
| Internal Standards          |           |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.088     | 168   | 302851   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.971     | 114   | 581681   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.749    | 117   | 568774   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.678    | 152   | 192625   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |           |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.440     | 65    | 235262   | 54.873   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 61 - 141 | Recovery | =     | 109.740% |
| 35) Dibromofluoromethane    | 8.024     | 113   | 180839   | 53.346   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 69 - 133 | Recovery | =     | 106.700% |
| 50) Toluene-d8              | 10.446    | 98    | 745517   | 47.834   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 65 - 126 | Recovery | =     | 95.660%  |
| 62) 4-Bromofluorobenzene    | 12.736    | 95    | 236427   | 42.154   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 135 | Recovery | =     | 84.300%  |
| Target Compounds            |           |       |          |          |       |          |
|                             |           |       |          |          |       | Qvalue   |
| 18) Methyl Acetate          | 4.867     | 43    | 6485     | 1.625    | ug/l  | 91       |
| 20) Methylene Chloride      | 5.093     | 84    | 23643    | 6.297    | ug/l  | 90       |
| -----                       |           |       |          |          |       |          |

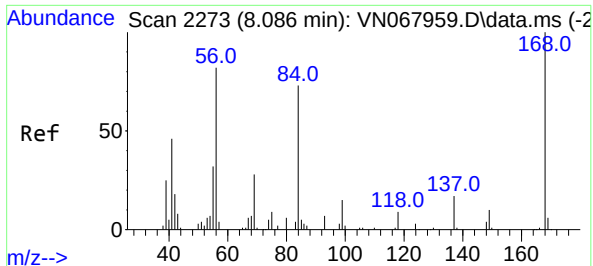
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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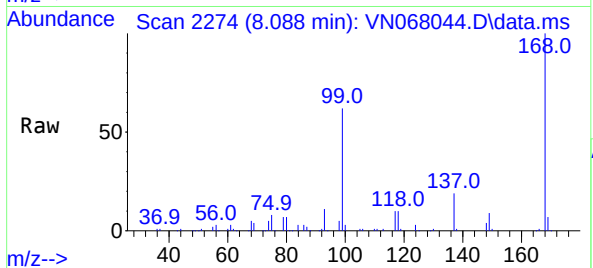
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 29 15:02:35 2021  
Response via : Initial Calibration



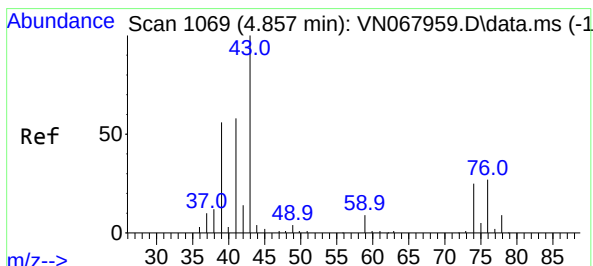
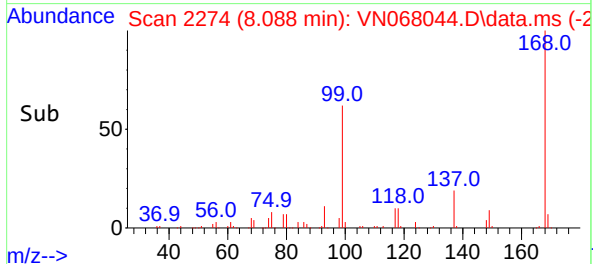
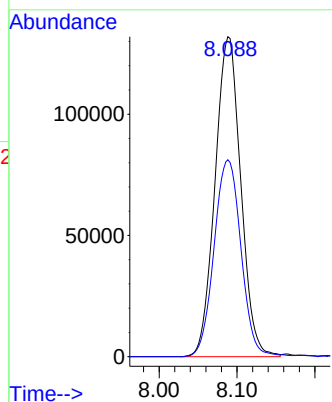


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN068044.D  
Acq: 9 Aug 2021 17:33

Instrument :  
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ClientSampleId :  
PB138255ZHE#12

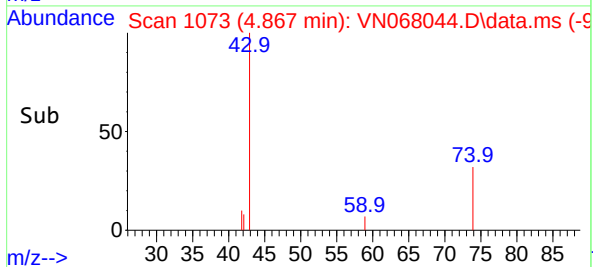
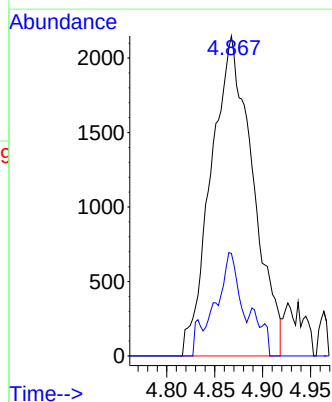
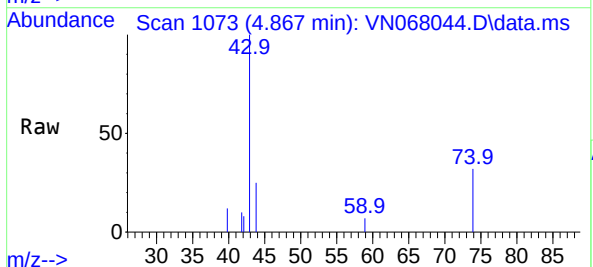


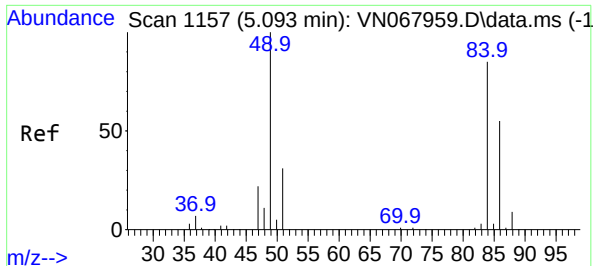
Tgt Ion:168 Resp: 302851  
Ion Ratio Lower Upper  
168 100  
99 61.5 62.9 94.3#



#18  
Methyl Acetate  
Concen: 1.625 ug/l  
RT: 4.867 min Scan# 1073  
Delta R.T. 0.010 min  
Lab File: VN068044.D  
Acq: 9 Aug 2021 17:33

Tgt Ion: 43 Resp: 6485  
Ion Ratio Lower Upper  
43 100  
74 17.4 17.4 26.0



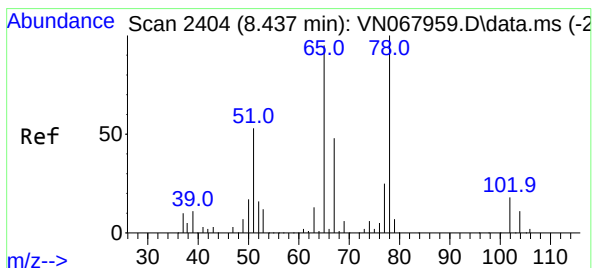
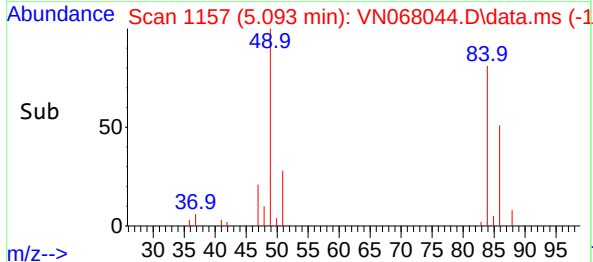
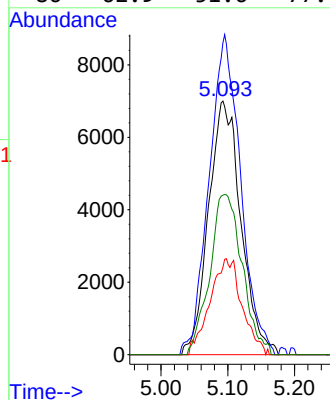
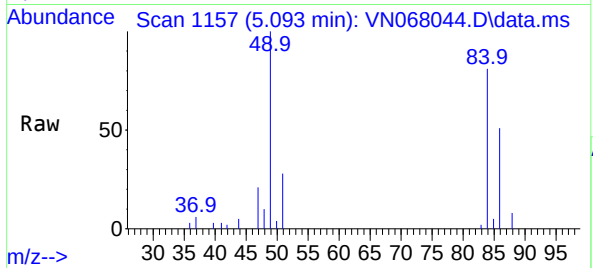


#20  
Methylene Chloride  
Concen: 6.297 ug/l  
RT: 5.093 min Scan# 1157  
Delta R.T. -0.000 min  
Lab File: VN068044.D  
Acq: 9 Aug 2021 17:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB138255ZHE#12

Tgt Ion: 84 Resp: 23643

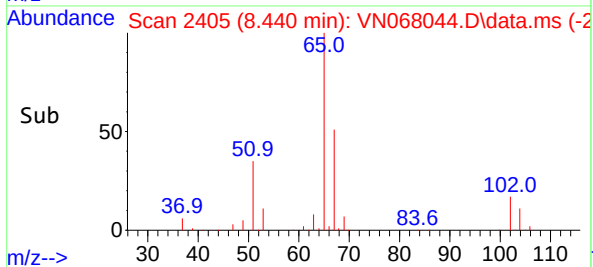
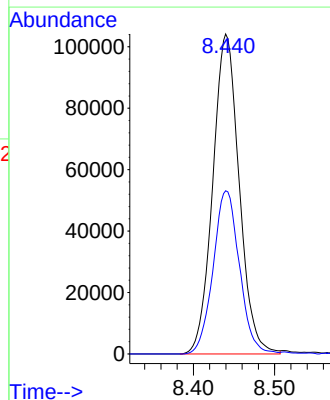
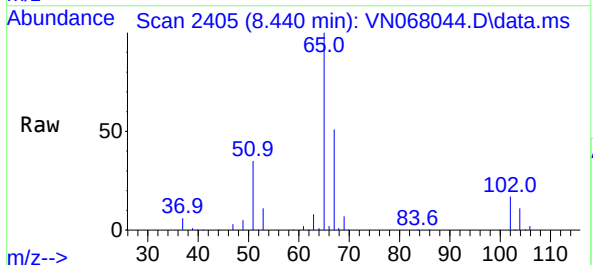
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 123.0 | 110.9 | 166.3 |
| 51  | 34.4  | 32.6  | 49.0  |
| 86  | 62.9  | 51.6  | 77.4  |

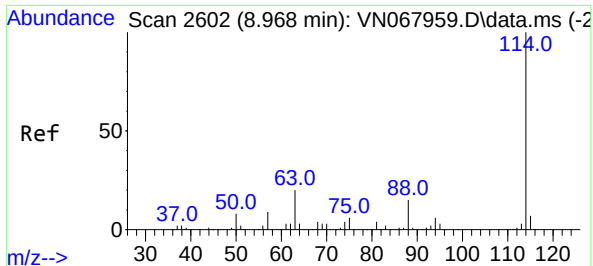


#33  
1,2-Dichloroethane-d4  
Concen: 54.873 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN068044.D  
Acq: 9 Aug 2021 17:33

Tgt Ion: 65 Resp: 235262

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 50.8  | 0.0   | 98.6  |

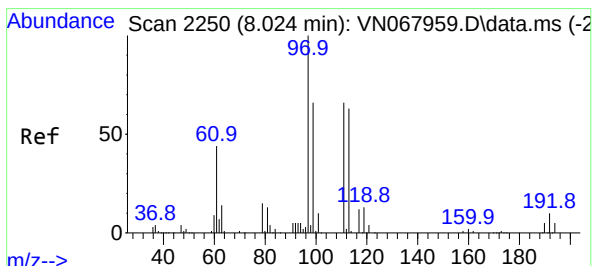
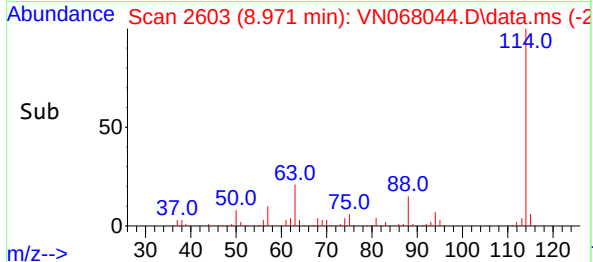
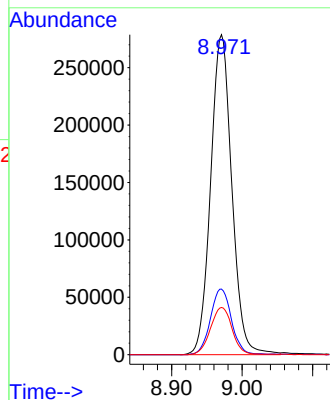
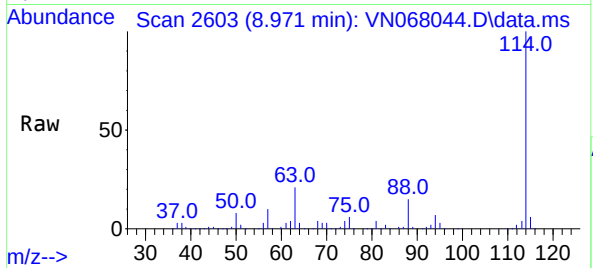




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068044.D  
Acq: 9 Aug 2021 17:33

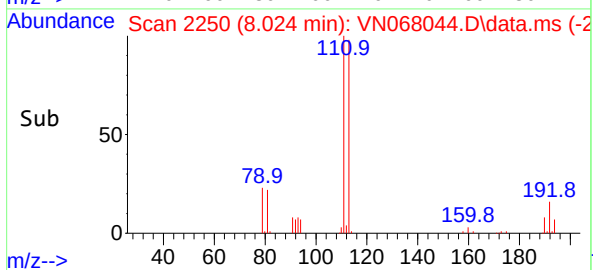
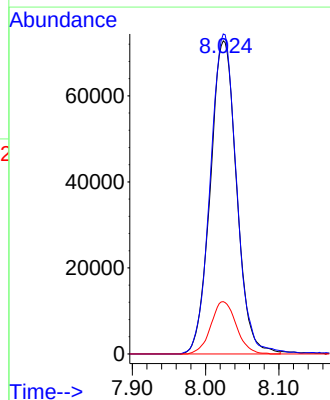
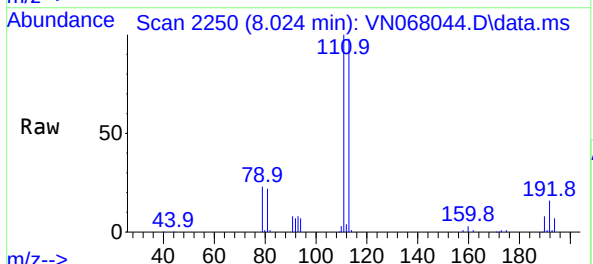
Instrument :  
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ClientSampleId :  
PB138255ZHE#12

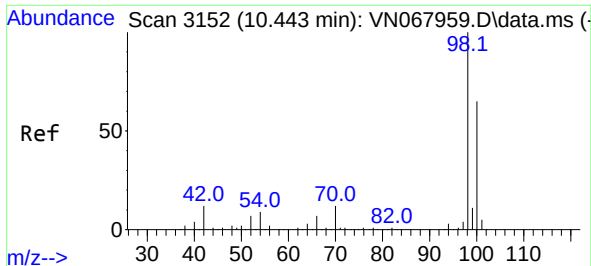
Tgt Ion:114 Resp: 581681  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 49.0  
88 14.7 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 53.346 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. -0.000 min  
Lab File: VN068044.D  
Acq: 9 Aug 2021 17:33

Tgt Ion:113 Resp: 180839  
Ion Ratio Lower Upper  
113 100  
111 102.2 83.8 125.8  
192 16.3 13.4 20.0

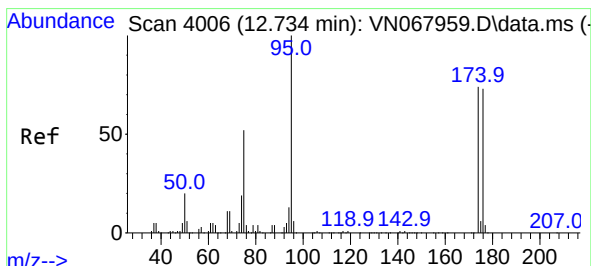
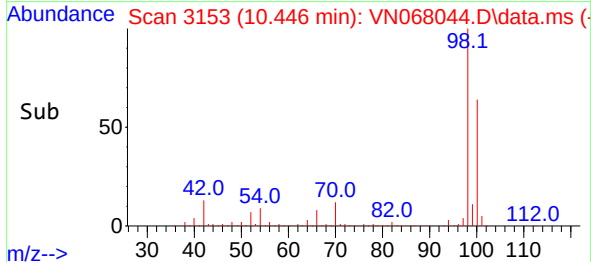
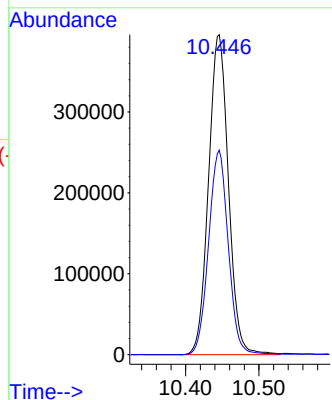
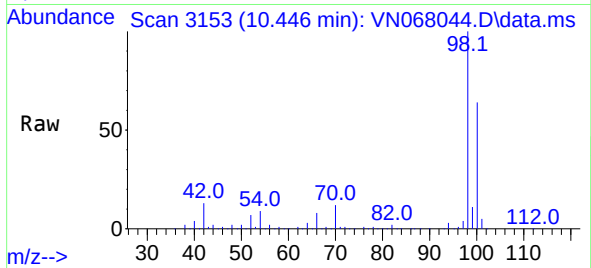




#50  
Toluene-d8  
Concen: 47.834 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN068044.D  
Acq: 9 Aug 2021 17:33

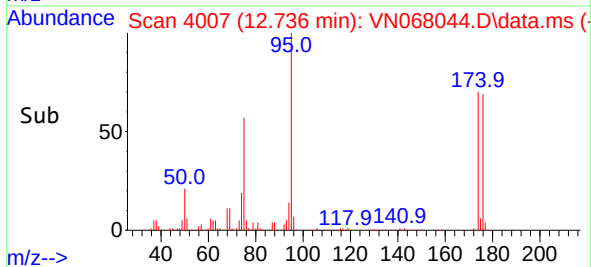
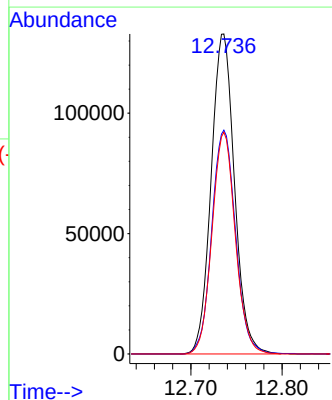
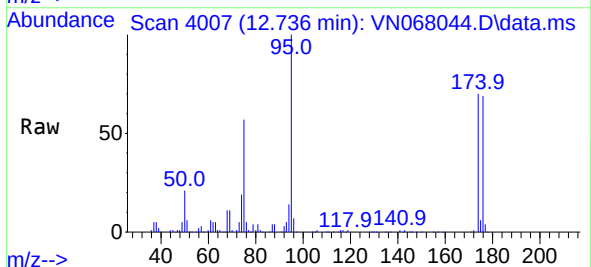
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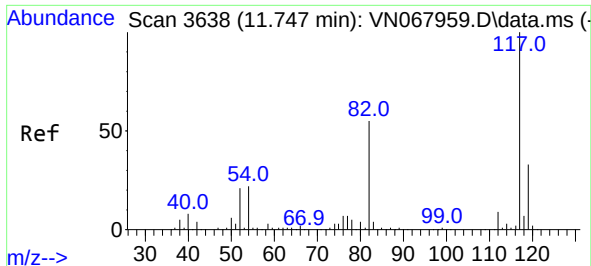
Tgt Ion: 98 Resp: 745517  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 42.154 ug/l  
RT: 12.736 min Scan# 4007  
Delta R.T. 0.002 min  
Lab File: VN068044.D  
Acq: 9 Aug 2021 17:33

Tgt Ion: 95 Resp: 236427  
Ion Ratio Lower Upper  
95 100  
174 71.4 0.0 122.0  
176 69.1 0.0 117.6

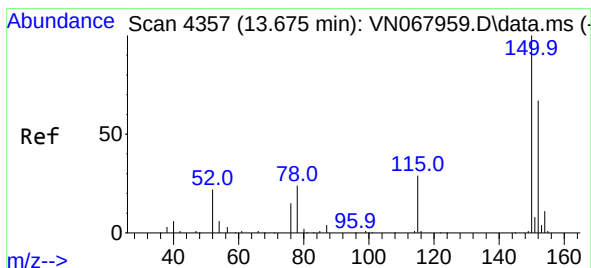
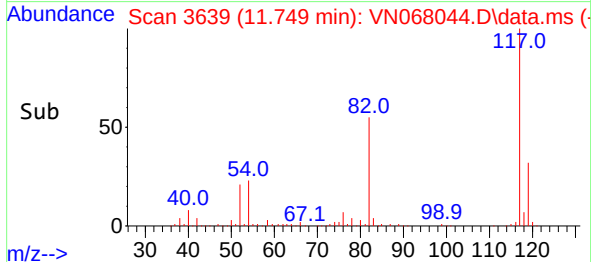
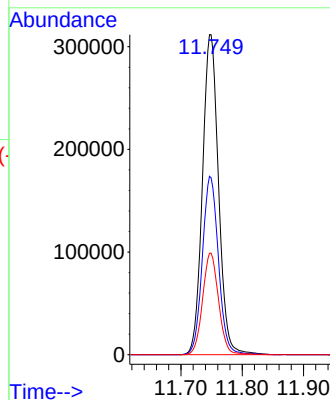
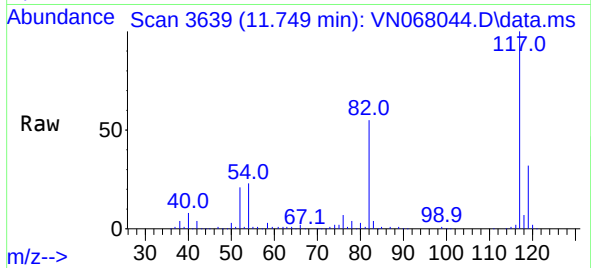




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.749 min Scan# 3639  
Delta R.T. 0.002 min  
Lab File: VN068044.D  
Acq: 9 Aug 2021 17:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB138255ZHE#12

Tgt Ion:117 Resp: 568774  
Ion Ratio Lower Upper  
117 100  
82 55.3 53.1 79.7  
119 31.8 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: VN068044.D  
Acq: 9 Aug 2021 17:33

Tgt Ion:152 Resp: 192625  
Ion Ratio Lower Upper  
152 100  
115 62.2 36.1 108.5  
150 156.1 0.0 351.8

