

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031721\  
 Data File : VN066228.D  
 Acq On : 17 Mar 2021 11:11  
 Operator : JC/MD  
 Sample : VN0317WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0317WBL01

Quant Time: Mar 18 04:42:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 17 05:05:15 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.582  | 168   | 295091   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.513  | 114   | 456245   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.347 | 117   | 419365   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.286 | 152   | 171627   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 7.944  | 65    | 222945   | 52.44    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 104.88%  |
| 35) Dibromofluoromethane    | 7.507  | 113   | 151374   | 52.01    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 104.02%  |
| 50) Toluene-d8              | 10.025 | 98    | 581907   | 51.71    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 103.42%  |
| 62) 4-Bromofluorobenzene    | 12.345 | 95    | 186057   | 45.87    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 91.74%   |

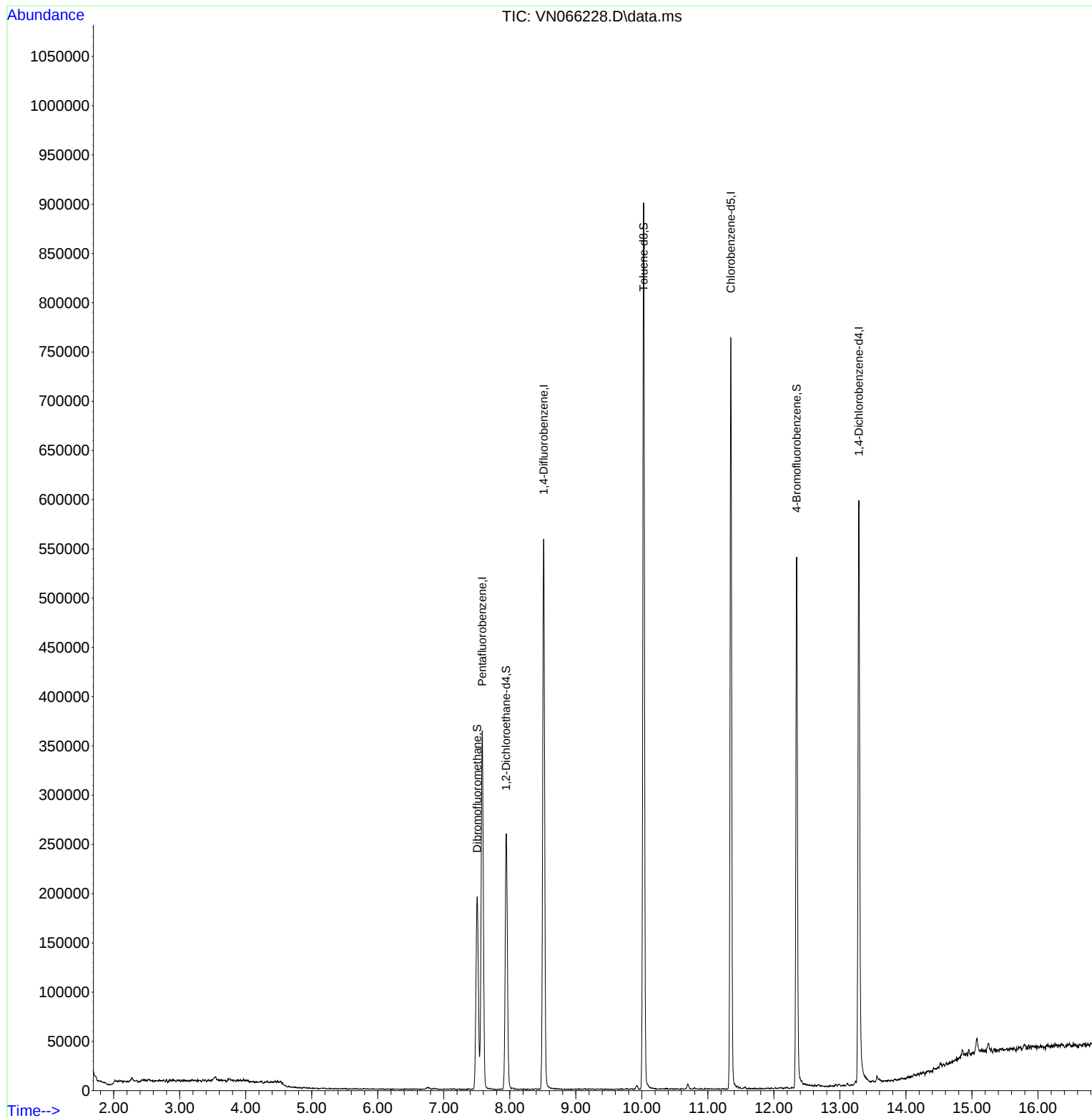
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

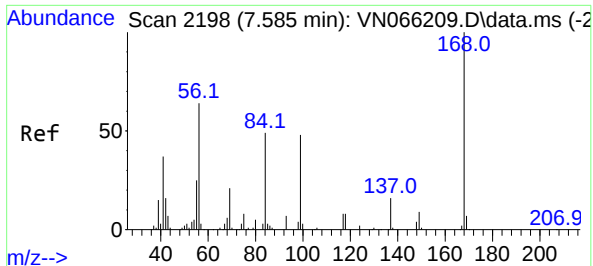
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :  
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Quant Title : SW846 8260  
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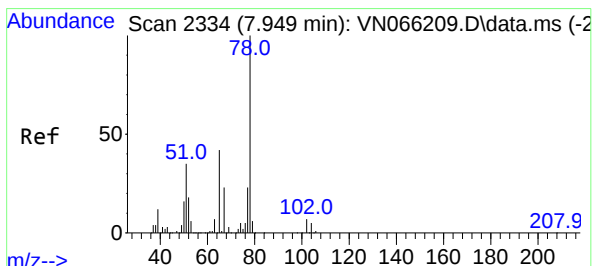
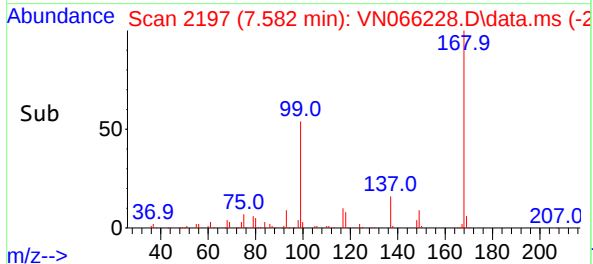
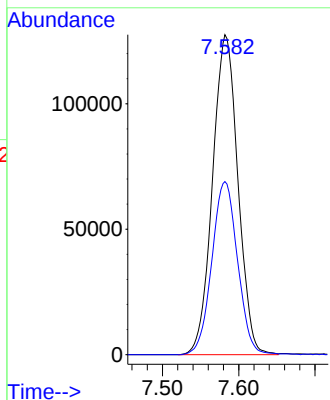
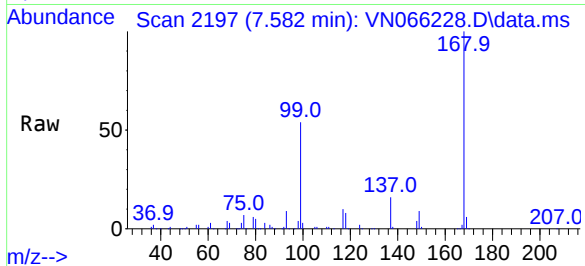




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.582 min Scan# 2197  
Delta R.T. -0.003 min  
Lab File: VN066228.D  
Acq: 17 Mar 2021 11:11

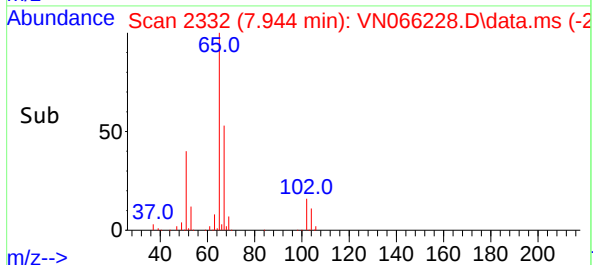
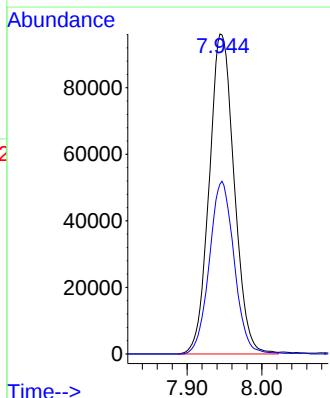
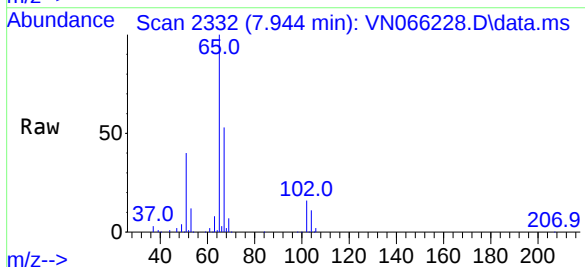
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0317WBL01

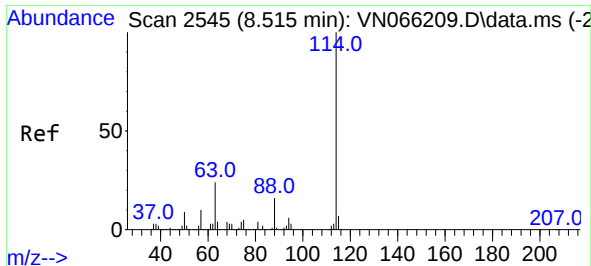
Tgt Ion:168 Resp: 295091  
Ion Ratio Lower Upper  
168 100  
99 54.1 45.4 68.0



#33  
1,2-Dichloroethane-d4  
Concen: 52.44 ug/l  
RT: 7.944 min Scan# 2332  
Delta R.T. -0.005 min  
Lab File: VN066228.D  
Acq: 17 Mar 2021 11:11

Tgt Ion: 65 Resp: 222945  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 107.2



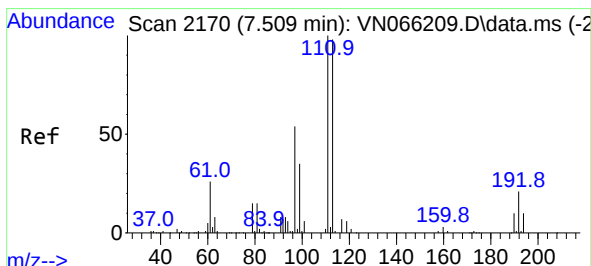
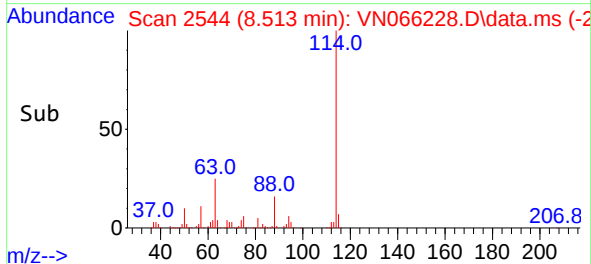
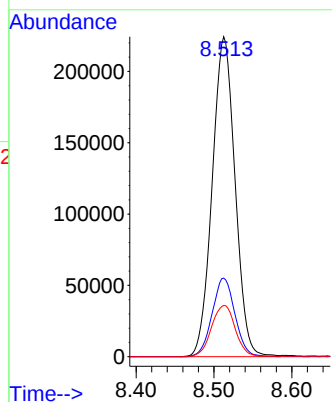
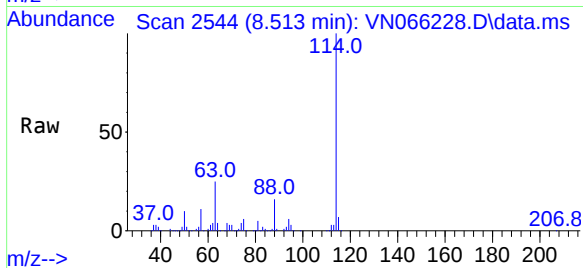


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.513 min Scan# 2544  
Delta R.T. -0.002 min  
Lab File: VN066228.D  
Acq: 17 Mar 2021 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0317WBL01

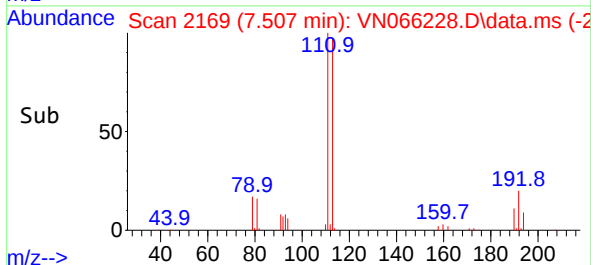
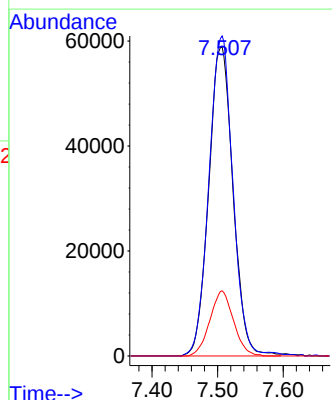
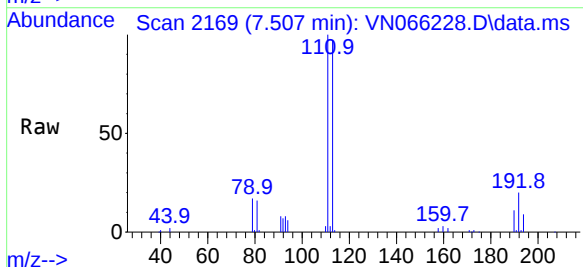
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 456245 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 24.6  | 0.0   | 49.2   |
| 88        | 16.0  | 0.0   | 33.8   |

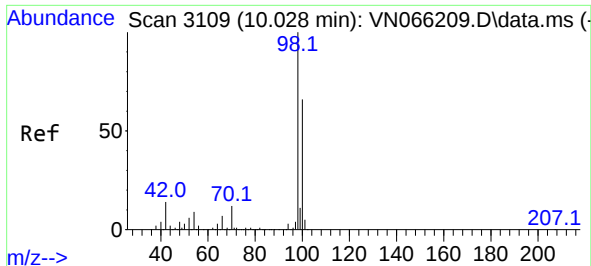


#35

Dibromofluoromethane  
Concen: 52.01 ug/l  
RT: 7.507 min Scan# 2169  
Delta R.T. -0.002 min  
Lab File: VN066228.D  
Acq: 17 Mar 2021 11:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 151374 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.5 | 84.0  | 126.0  |
| 192       | 20.6  | 16.7  | 25.1   |

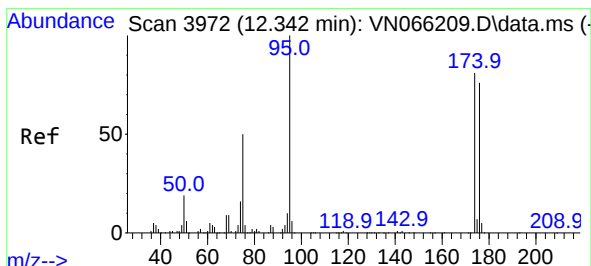
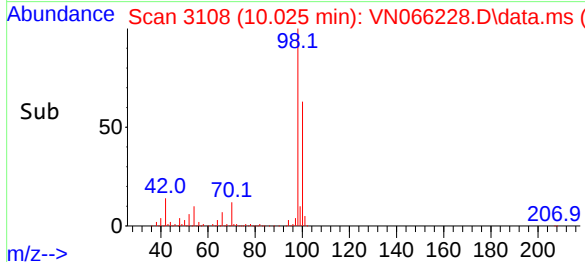
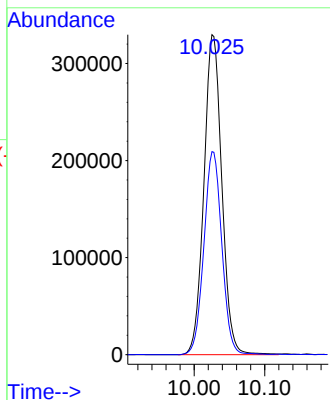
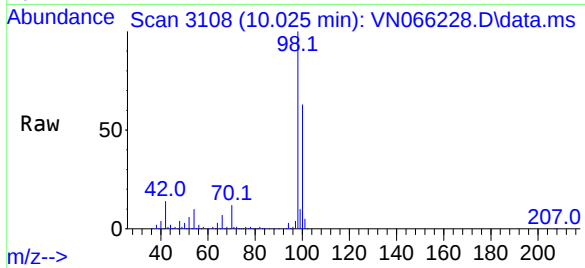




#50  
Toluene-d8  
Concen: 51.71 ug/l  
RT: 10.025 min Scan# 3108  
Delta R.T. -0.003 min  
Lab File: VN066228.D  
Acq: 17 Mar 2021 11:11

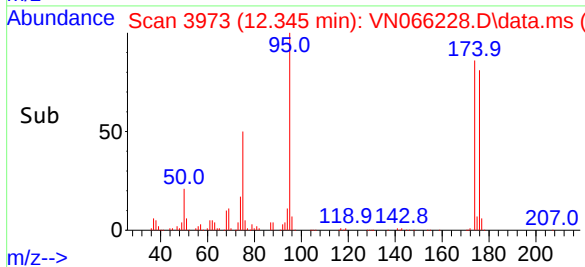
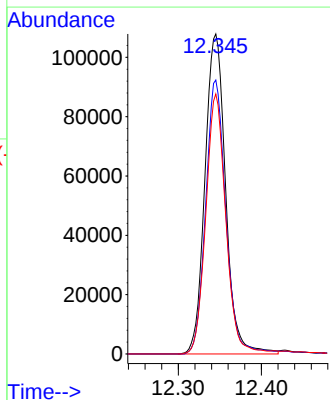
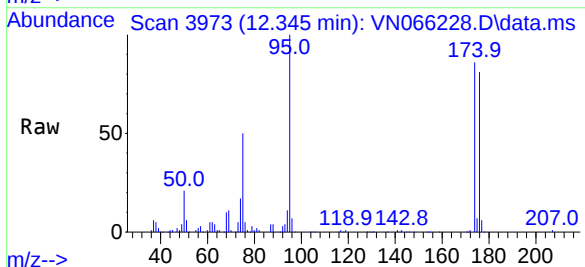
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0317WBL01

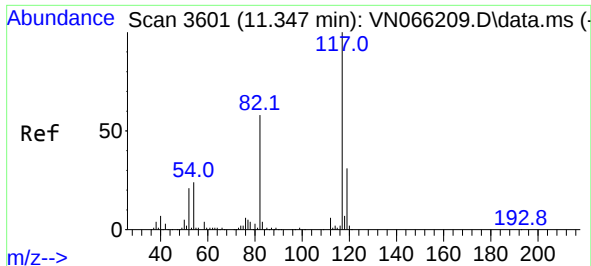
Tgt Ion: 98 Resp: 581907  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.0 76.6



#62  
4-Bromofluorobenzene  
Concen: 45.87 ug/l  
RT: 12.345 min Scan# 3973  
Delta R.T. 0.003 min  
Lab File: VN066228.D  
Acq: 17 Mar 2021 11:11

Tgt Ion: 95 Resp: 186057  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 162.4  
176 78.6 0.0 156.2

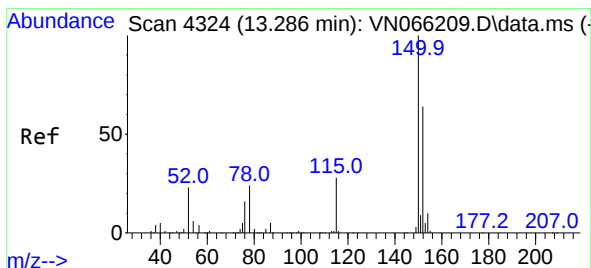
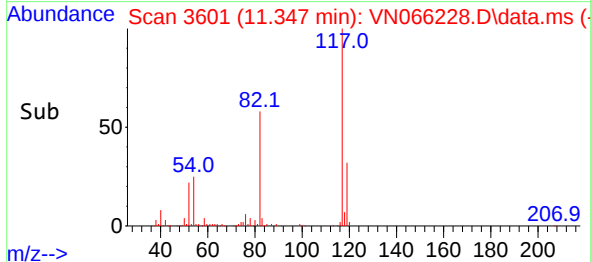
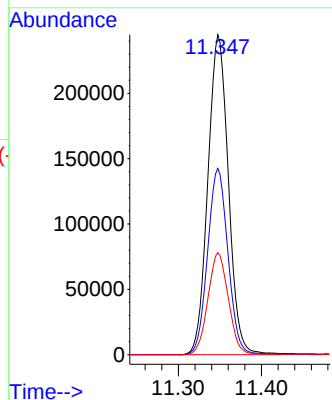
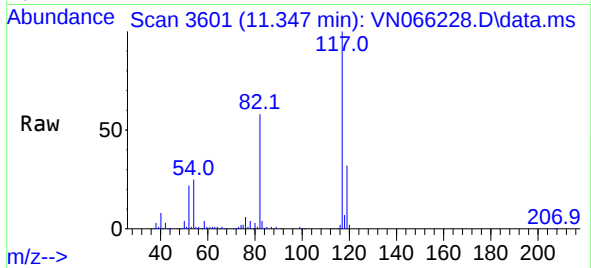




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.347 min Scan# 3601  
Delta R.T. 0.000 min  
Lab File: VN066228.D  
Acq: 17 Mar 2021 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0317WBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 419365 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 58.2  | 49.0  | 73.6   |
| 119      | 31.9  | 25.7  | 38.5   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.286 min Scan# 4324  
Delta R.T. 0.000 min  
Lab File: VN066228.D  
Acq: 17 Mar 2021 11:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 171627 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 61.0  | 29.4  | 88.3   |
| 150      | 161.1 | 0.0   | 352.2  |

