

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101521\  
 Data File : VN068949.D  
 Acq On : 15 Oct 2021 15:05  
 Operator : JC/MD  
 Sample : M4192-19  
 Misc : 4.78g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HAR-19

Quant Time: Oct 18 02:15:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

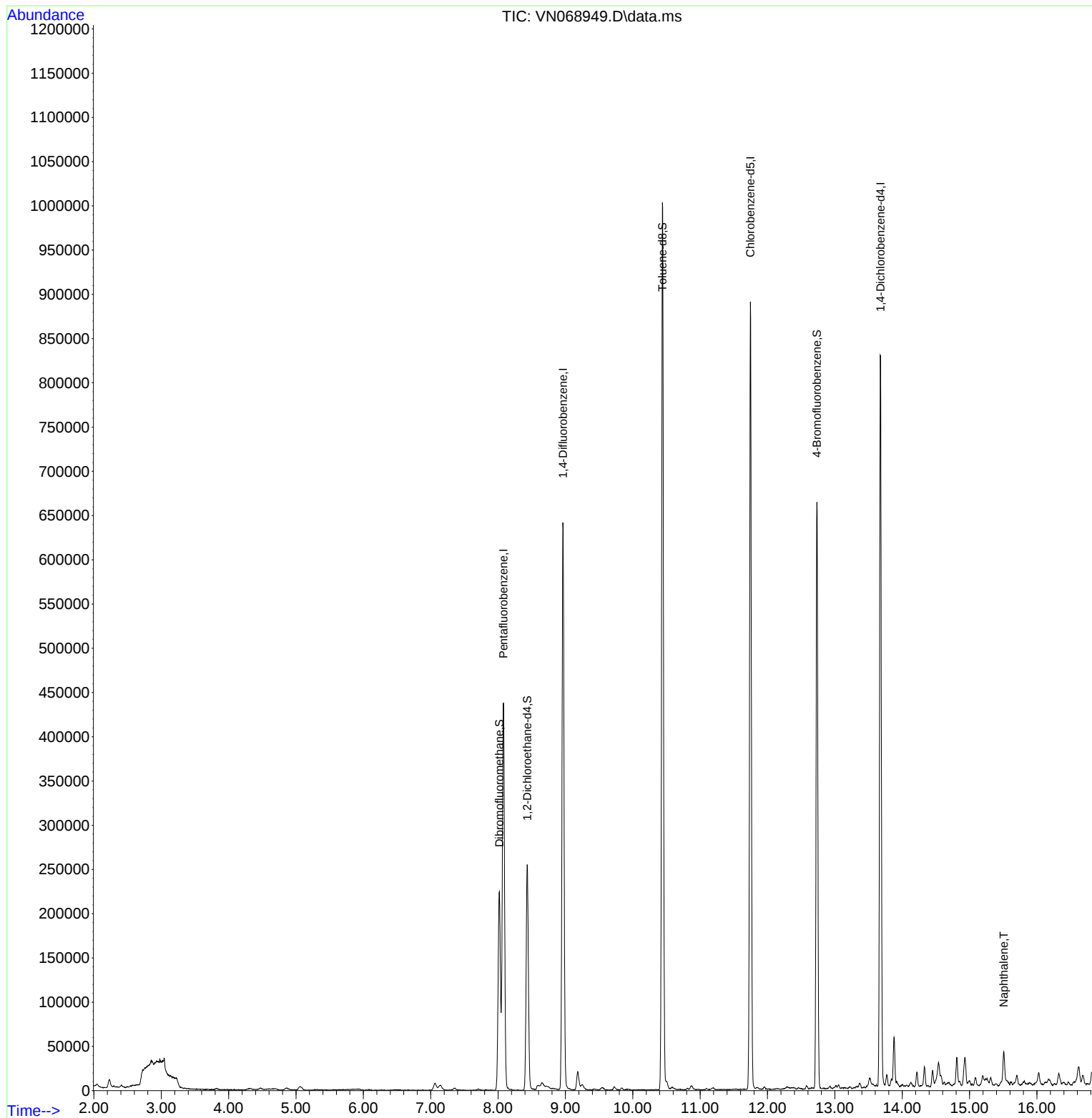
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 8.080  | 168   | 331396   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.963  | 114   | 579616   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.746 | 117   | 522126   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.678 | 152   | 218478   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.434  | 65    | 212714   | 48.683   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =     | 97.360%   |
| 35) Dibromofluoromethane    | 8.019  | 113   | 167503   | 49.671   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =     | 99.340%   |
| 50) Toluene-d8              | 10.440 | 98    | 719887   | 53.353   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =     | 106.700%  |
| 62) 4-Bromofluorobenzene    | 12.733 | 95    | 250004   | 49.110   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =     | 98.220%   |
| Target Compounds            |        |       |          |          |       |           |
| 95) Naphthalene             | 15.507 | 128   | 35988    | 7.090    | ug/l  | Qvalue 99 |
| -----                       |        |       |          |          |       |           |

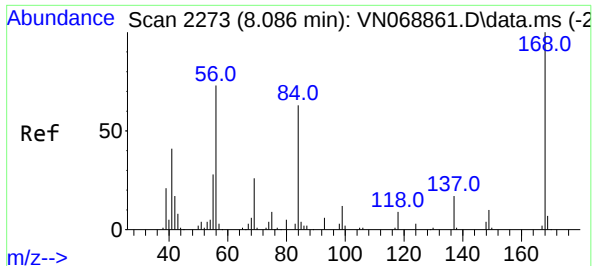
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101521\  
Data File : VN068949.D  
Acq On : 15 Oct 2021 15:05  
Operator : JC/MD  
Sample : M4192-19  
Misc : 4.78g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
HAR-19

Quant Time: Oct 18 02:15:38 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 13 05:44:40 2021  
Response via : Initial Calibration

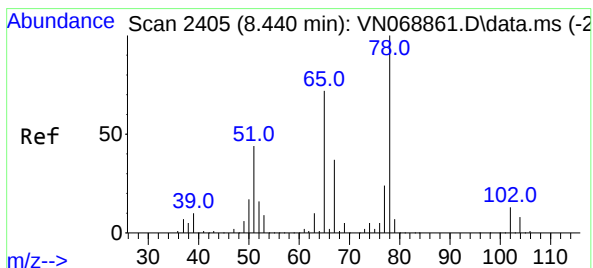
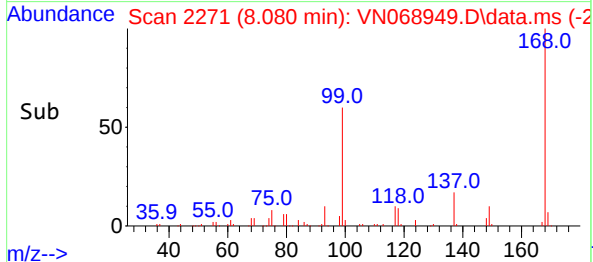
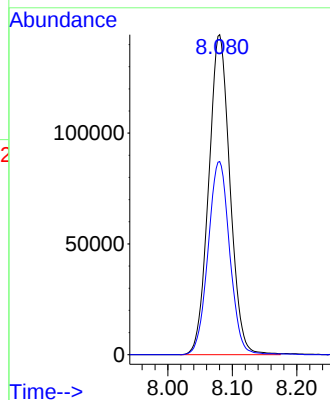
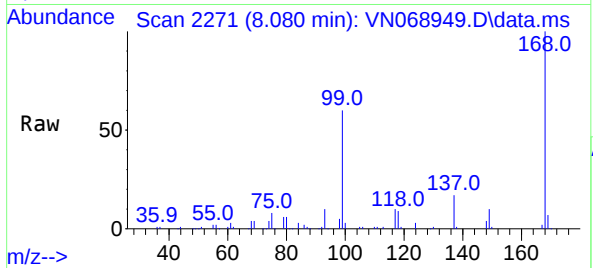




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.080 min Scan# 2271  
Delta R.T. -0.006 min  
Lab File: VN068949.D  
Acq: 15 Oct 2021 15:05

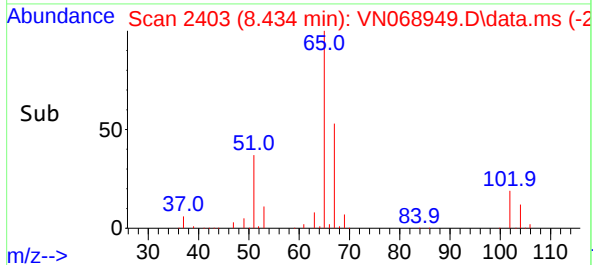
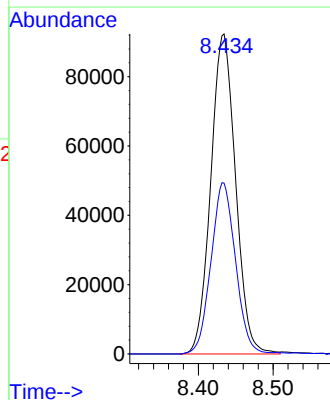
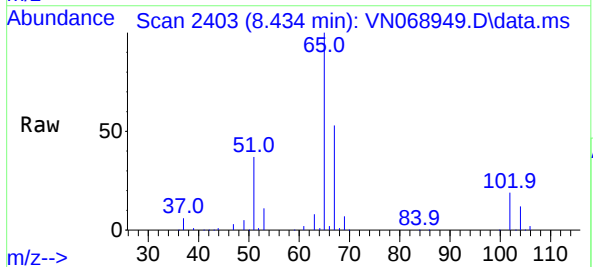
Instrument :  
MSVOA\_N  
ClientSampled :  
HAR-19

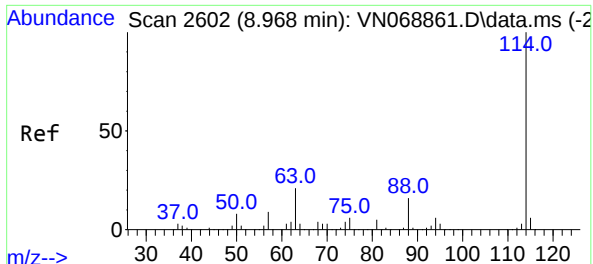
Tgt Ion:168 Resp: 331396  
Ion Ratio Lower Upper  
168 100  
99 60.4 48.9 73.3



#33  
1,2-Dichloroethane-d4  
Concen: 48.683 ug/l  
RT: 8.434 min Scan# 2403  
Delta R.T. -0.005 min  
Lab File: VN068949.D  
Acq: 15 Oct 2021 15:05

Tgt Ion: 65 Resp: 212714  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 103.8



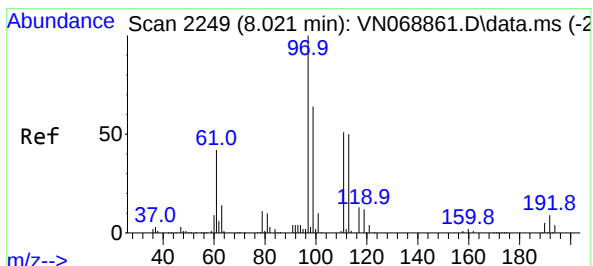
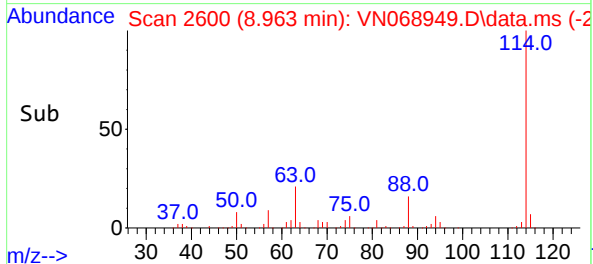
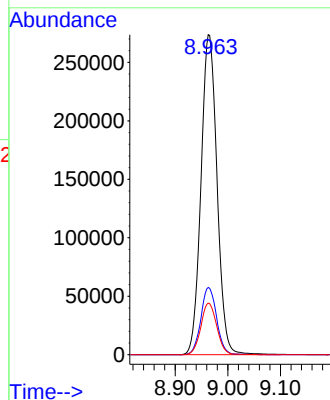
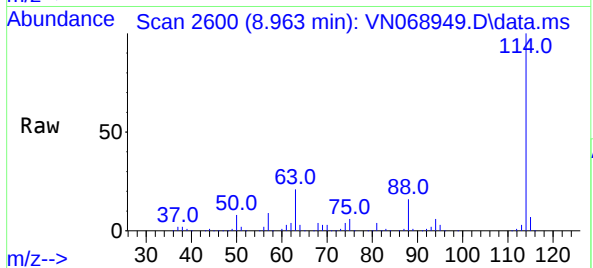


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 2600  
Delta R.T. -0.005 min  
Lab File: VN068949.D  
Acq: 15 Oct 2021 15:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
HAR-19

Tgt Ion:114 Resp: 579616

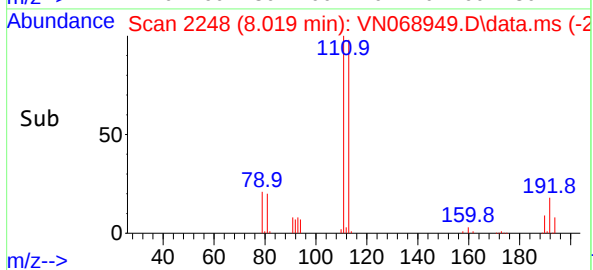
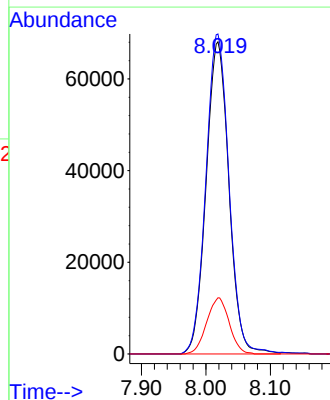
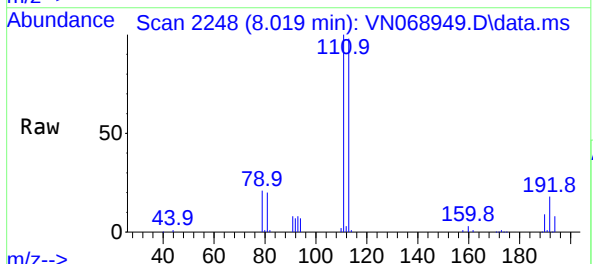
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.0  | 0.0   | 42.6  |
| 88  | 16.1  | 0.0   | 32.0  |

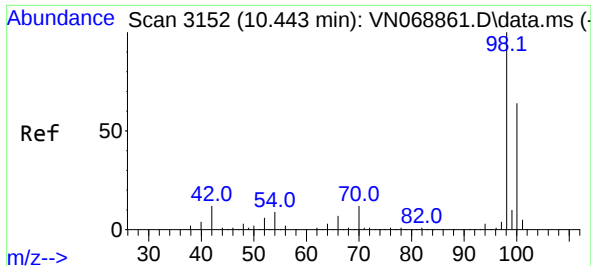


#35  
Dibromofluoromethane  
Concen: 49.671 ug/l  
RT: 8.019 min Scan# 2248  
Delta R.T. -0.003 min  
Lab File: VN068949.D  
Acq: 15 Oct 2021 15:05

Tgt Ion:113 Resp: 167503

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.9 | 83.2  | 124.8 |
| 192 | 17.7  | 15.0  | 22.4  |

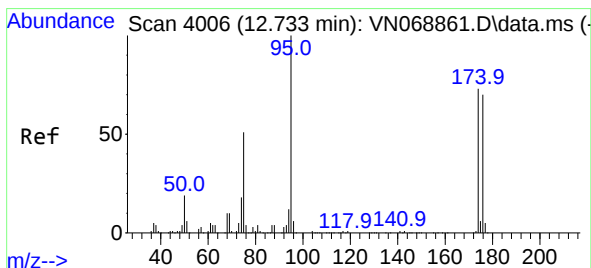
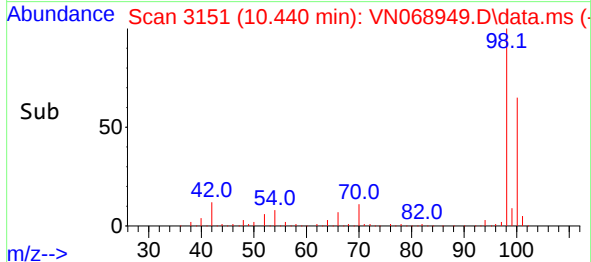
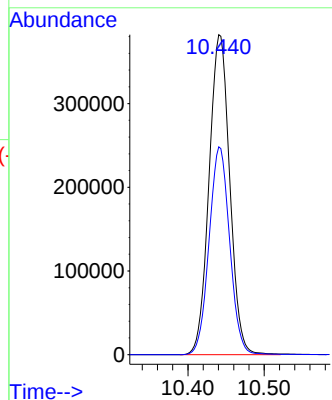
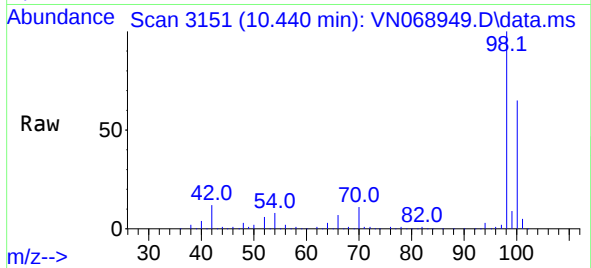




#50  
Toluene-d8  
Concen: 53.353 ug/l  
RT: 10.440 min Scan# 3151  
Delta R.T. -0.003 min  
Lab File: VN068949.D  
Acq: 15 Oct 2021 15:05

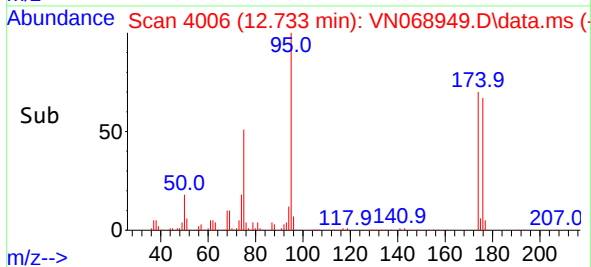
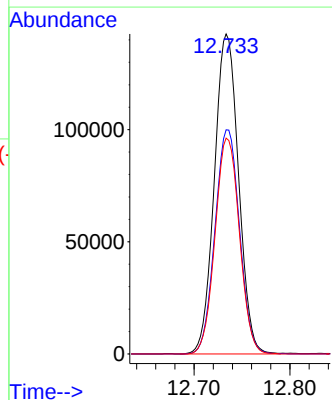
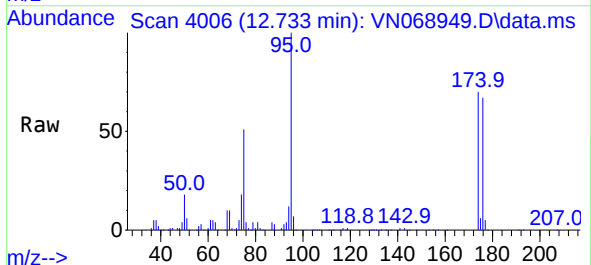
Instrument :  
MSVOA\_N  
ClientSampleId :  
HAR-19

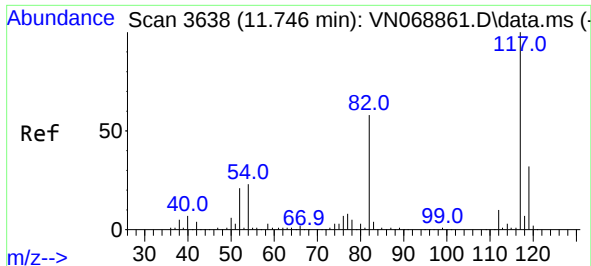
Tgt Ion: 98 Resp: 719887  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 49.110 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN068949.D  
Acq: 15 Oct 2021 15:05

Tgt Ion: 95 Resp: 250004  
Ion Ratio Lower Upper  
95 100  
174 71.2 0.0 144.8  
176 67.8 0.0 140.0

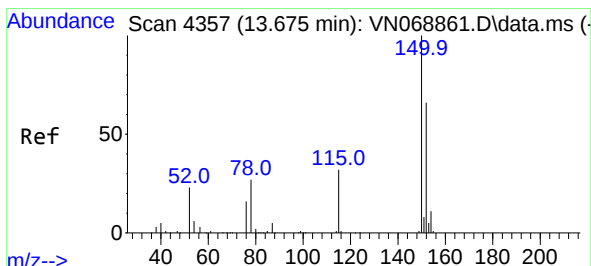
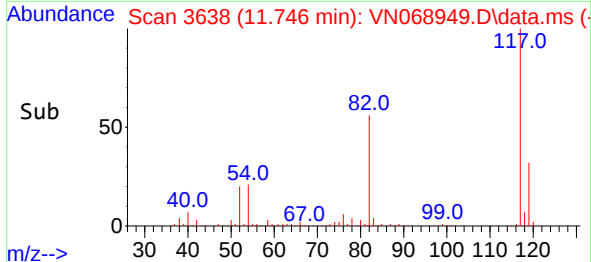
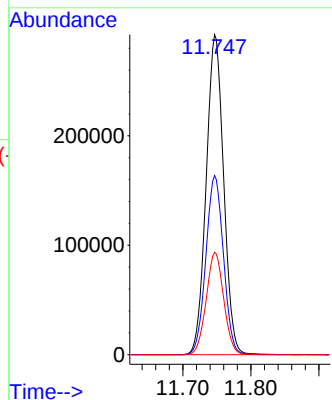
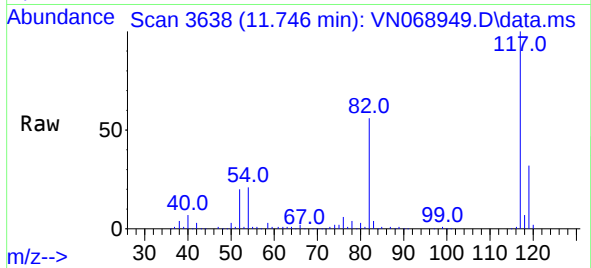




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN068949.D  
Acq: 15 Oct 2021 15:05

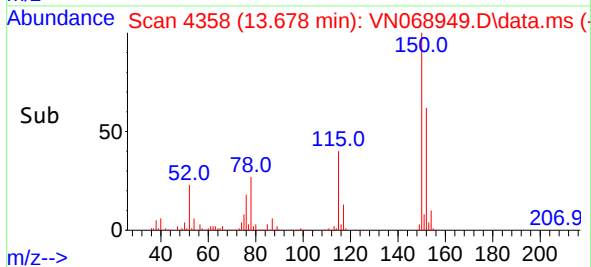
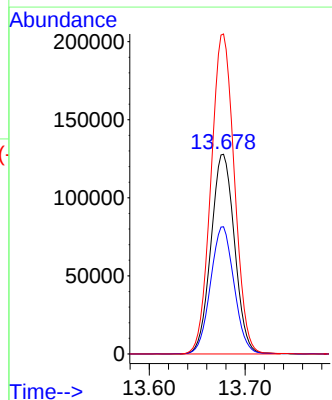
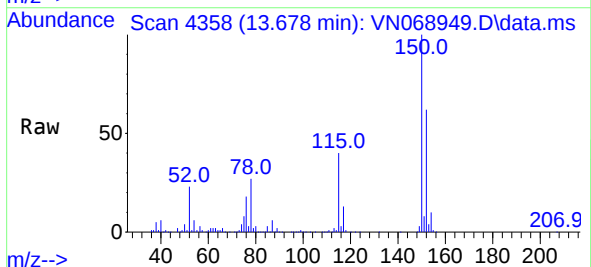
Instrument :  
MSVOA\_N  
ClientSampleId :  
HAR-19

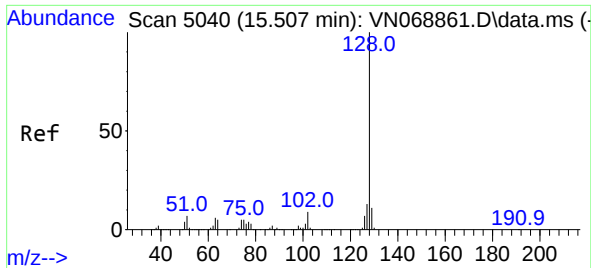
Tgt Ion:117 Resp: 522126  
Ion Ratio Lower Upper  
117 100  
82 56.0 46.4 69.6  
119 32.0 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN068949.D  
Acq: 15 Oct 2021 15:05

Tgt Ion:152 Resp: 218478  
Ion Ratio Lower Upper  
152 100  
115 63.9 31.4 94.3  
150 159.3 0.0 351.0





#95  
Naphthalene  
Concen: 7.090 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN068949.D  
Acq: 15 Oct 2021 15:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
HAR-19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 35988 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.3  | 10.5  | 15.7  |
| 129      | 11.6  | 8.9   | 13.3  |

