

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090822\  
 Data File : VN074366.D  
 Acq On : 08 Sep 2022 18:40  
 Operator : JC\MD  
 Sample : N4452-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2-(22)

Quant Time: Sep 09 05:38:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090822W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 09 05:24:20 2022  
 Response via : Initial Calibration

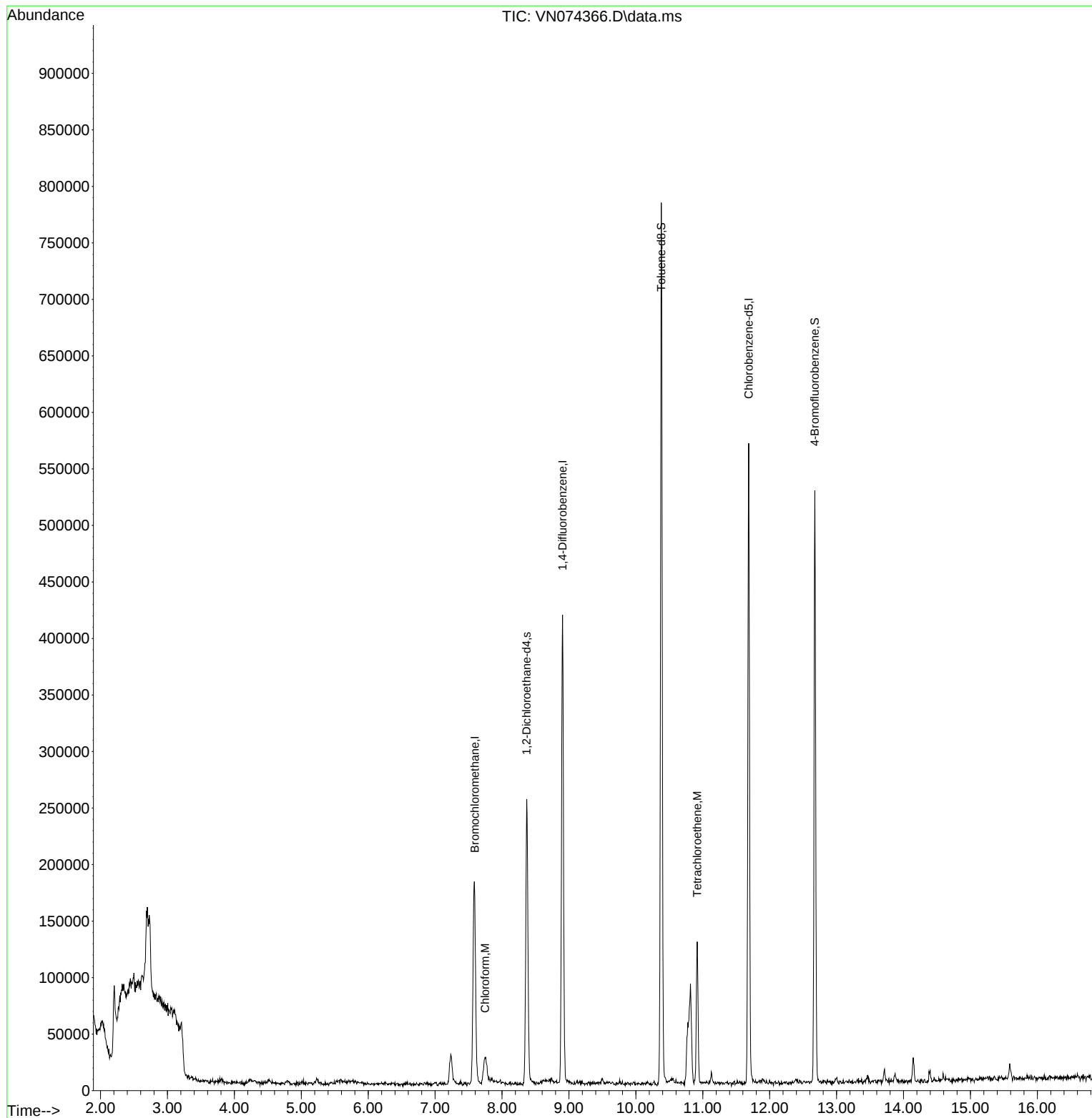
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.592  | 128   | 58455    | 30.000   | ug/l   | 0.01     |
| 28) 1,4-Difluorobenzene     | 8.904  | 114   | 337568   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.686 | 117   | 297857   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.369  | 65    | 192027   | 31.996   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 106.667% |
| 60) 4-Bromofluorobenzene    | 12.674 | 95    | 152214   | 25.554   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 85.167%  |
| 63) Toluene-d8              | 10.381 | 98    | 496479   | 29.676   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 98.933%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 25) Chloroform              | 7.745  | 83    | 14437    | 1.561    | ug/l   | 89       |
| 61) Tetrachloroethene       | 10.916 | 164   | 25494    | 6.899    | ug/l   | 89       |
| -----                       |        |       |          |          |        |          |

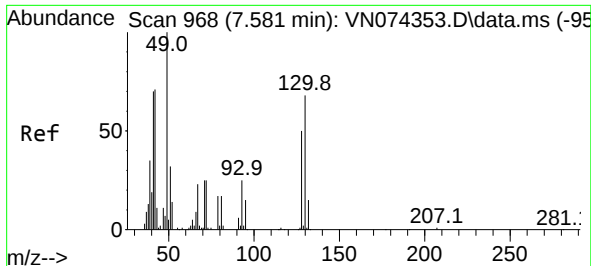
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Sep 09 05:24:20 2022  
Response via : Initial Calibration

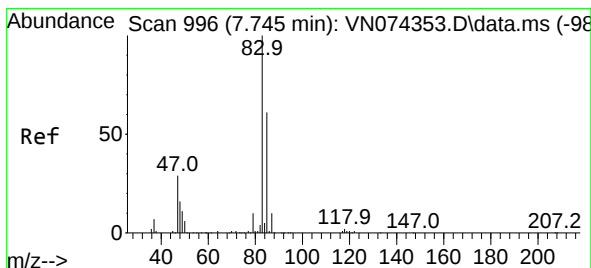
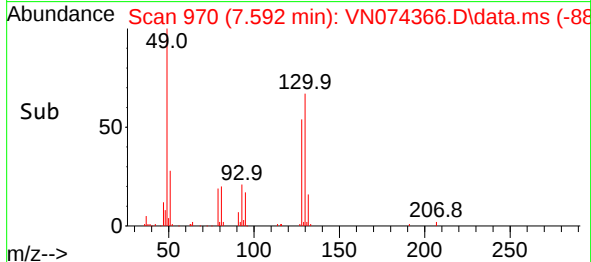
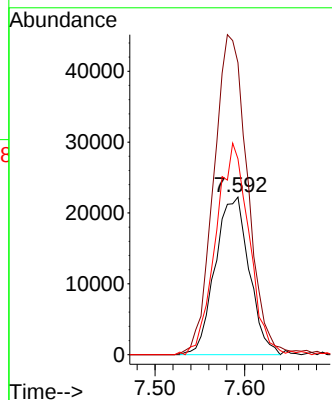
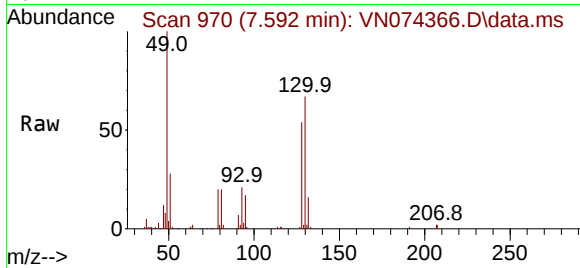




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.592 min Scan# 91  
Delta R.T. 0.011 min  
Lab File: VN074366.D  
Acq: 08 Sep 2022 18:40

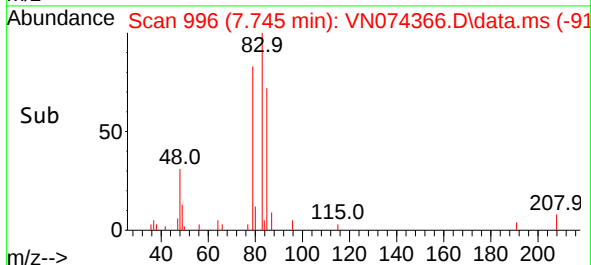
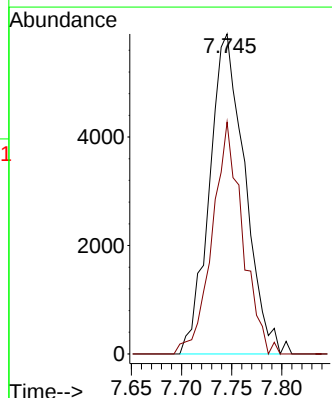
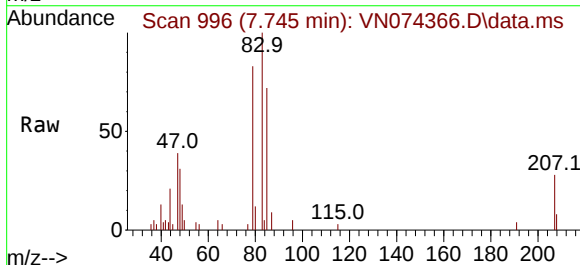
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-(22)

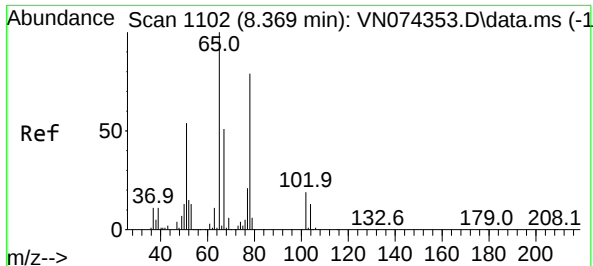
Tgt Ion:128 Resp: 58455  
Ion Ratio Lower Upper  
128 100  
49 202.1 0.0 392.3  
130 130.5 0.0 320.2



#25  
Chloroform  
Concen: 1.561 ug/l  
RT: 7.745 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN074366.D  
Acq: 08 Sep 2022 18:40

Tgt Ion: 83 Resp: 14437  
Ion Ratio Lower Upper  
83 100  
85 72.5 51.3 76.9

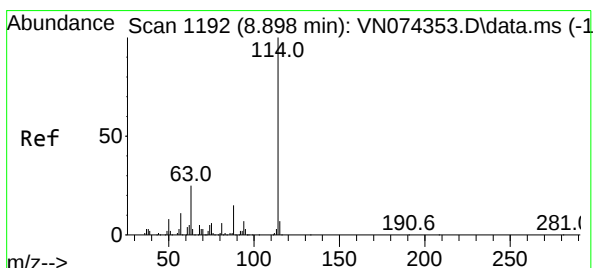
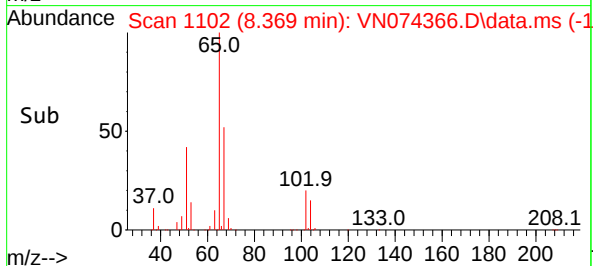
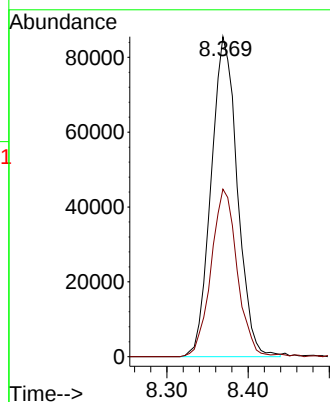
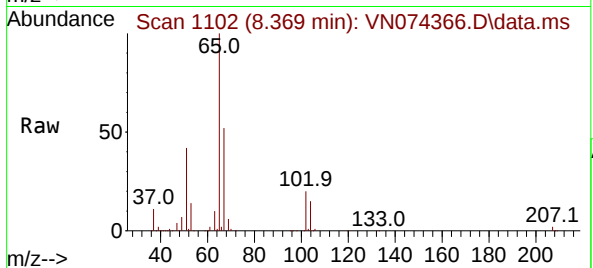




#27  
 1,2-Dichloroethane-d4  
 Concen: 31.996 ug/l  
 RT: 8.369 min Scan# 1102  
 Delta R.T. 0.000 min  
 Lab File: VN074366.D  
 Acq: 08 Sep 2022 18:40

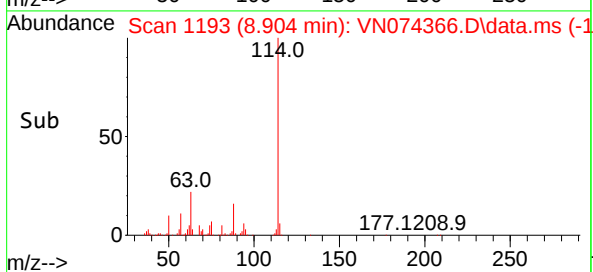
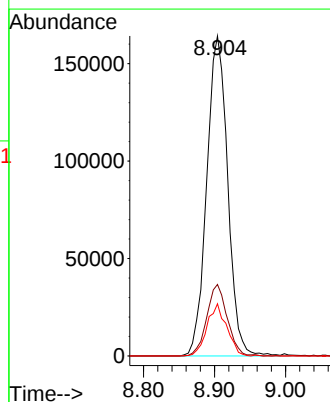
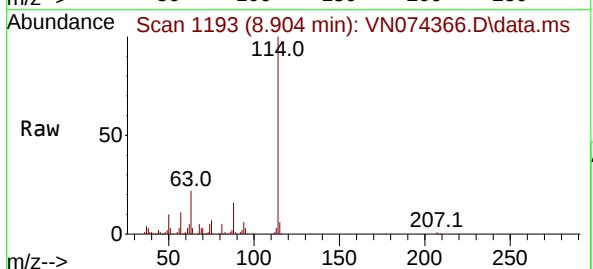
Instrument :  
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 ClientSampleId :  
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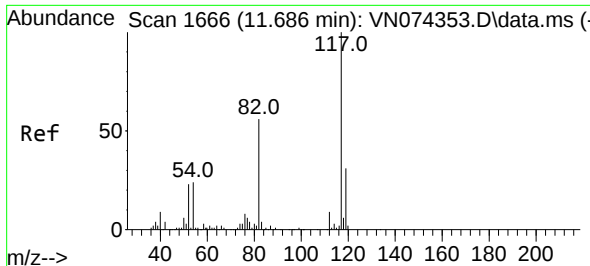
Tgt Ion: 65 Resp: 192027  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 40.2 60.2



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.904 min Scan# 1193  
 Delta R.T. 0.006 min  
 Lab File: VN074366.D  
 Acq: 08 Sep 2022 18:40

Tgt Ion: 114 Resp: 337568  
 Ion Ratio Lower Upper  
 114 100  
 63 21.6 15.8 23.6  
 88 15.3 11.6 17.4

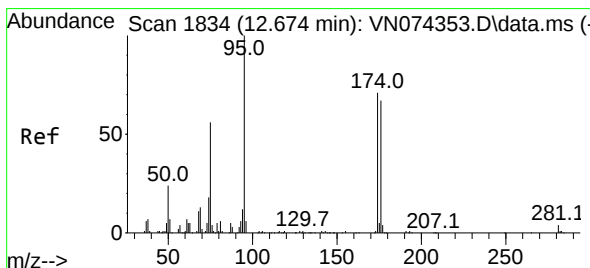
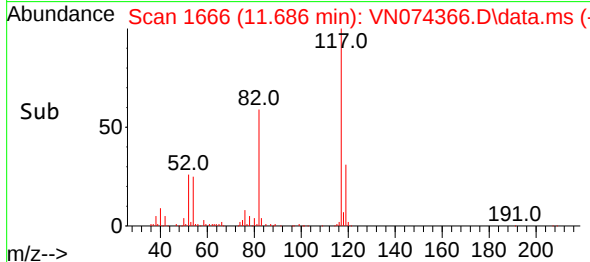
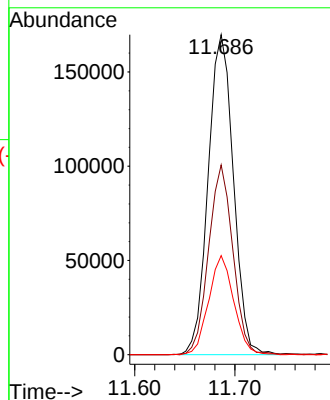
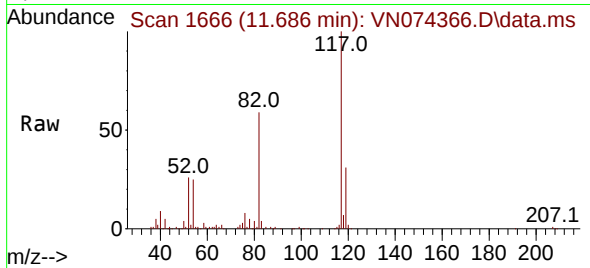




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN074366.D  
Acq: 08 Sep 2022 18:40

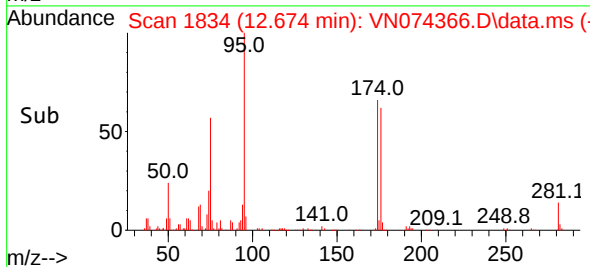
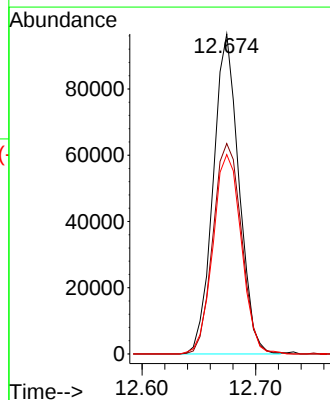
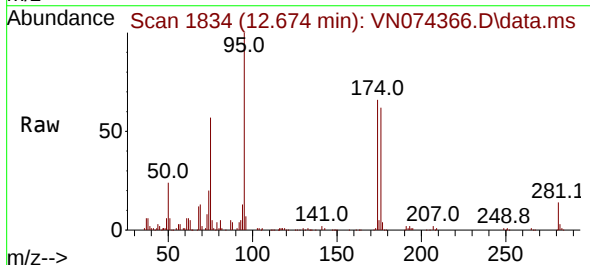
Instrument :  
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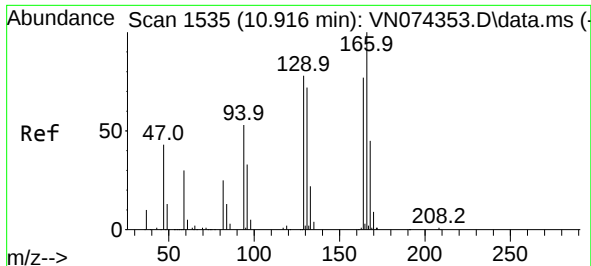
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 297857 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.7  | 43.6  | 65.4   |
| 119      | 30.8  | 25.8  | 38.6   |



#60  
4-Bromofluorobenzene  
Concen: 25.554 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN074366.D  
Acq: 08 Sep 2022 18:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 152214 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 73.1  | 62.9  | 94.3   |
| 176      | 68.8  | 61.0  | 91.4   |

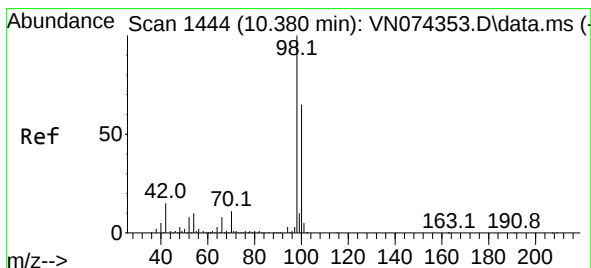
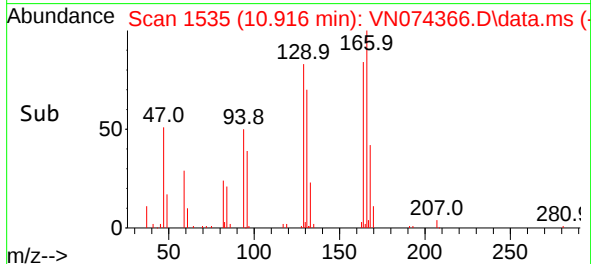
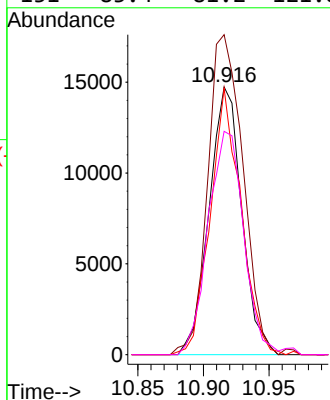
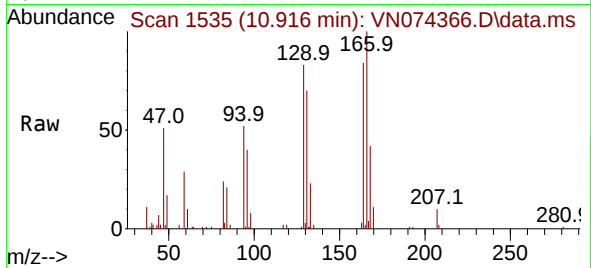




#61  
Tetrachloroethene  
Concen: 6.899 ug/l  
RT: 10.916 min Scan# 1535  
Delta R.T. 0.000 min  
Lab File: VN074366.D  
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ClientSampleId :  
MW-2-(22)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 25494 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 119.6 | 105.8 | 158.8 |
| 129      | 98.5  | 82.5  | 123.7 |
| 131      | 83.4  | 81.2  | 121.8 |



#63  
Toluene-d8  
Concen: 29.676 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN074366.D  
Acq: 08 Sep 2022 18:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 496479 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.4  | 50.6  | 76.0   |

