

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032621\  
 Data File : VN066360.D  
 Acq On : 26 Mar 2021 19:30  
 Operator : JC/MD  
 Sample : M1788-04 10X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE105D2-20210322

Quant Time: Mar 27 01:50:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 26 16:26:01 2021  
 Response via : Initial Calibration

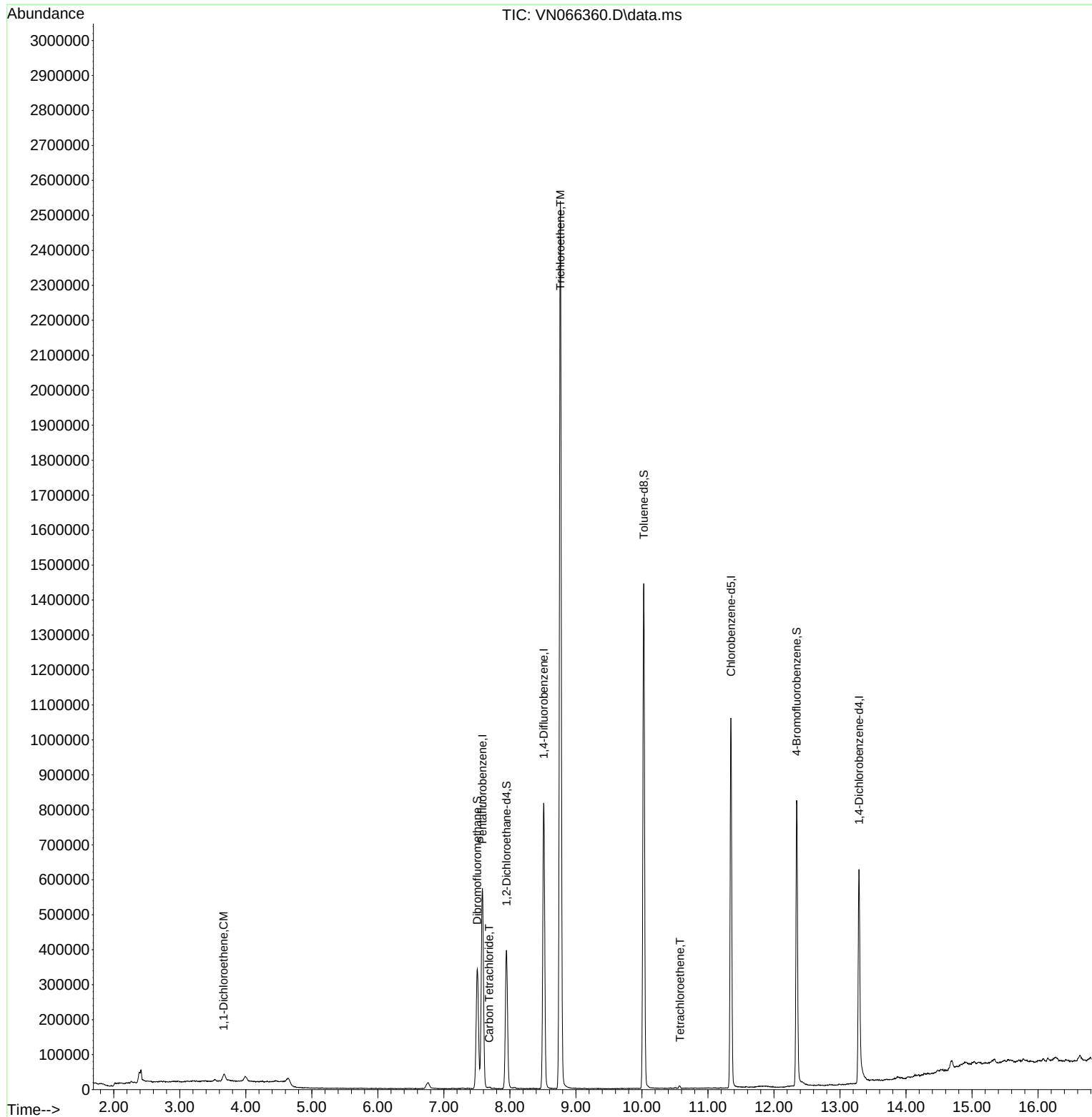
| Compound                    | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                       |                |      |                    |        |        |          |
| Internal Standards          |                |      |                    |        |        |          |
| 1) Pentafluorobenzene       | 7.585          | 168  | 491119             | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.512          | 114  | 727224             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.350         | 117  | 601031             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.289         | 152  | 199303             | 50.00  | ug/l   | 0.00     |
|                             |                |      |                    |        |        |          |
| System Monitoring Compounds |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.949          | 65   | 330713             | 50.65  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = 101.30% |        |        |          |
| 35) Dibromofluoromethane    | 7.507          | 113  | 261353             | 54.21  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 108.42% |        |        |          |
| 50) Toluene-d8              | 10.028         | 98   | 992831             | 54.29  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = 108.58% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.345         | 95   | 281927             | 44.39  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 88.78%  |        |        |          |
|                             |                |      |                    |        |        |          |
| Target Compounds            |                |      |                    |        | Qvalue |          |
| 12) 1,1-Dichloroethene      | 3.663          | 96   | 4441               | 0.79   | ug/l # | 80       |
| 38) Carbon Tetrachloride    | 7.686          | 117  | 2753               | 0.40   | ug/l   | 93       |
| 44) Trichloroethene         | 8.765          | 130  | 911943             | 168.03 | ug/l   | 100      |
| 64) Tetrachloroethene       | 10.578         | 164  | 1452               | 0.28   | ug/l   | 84       |
| -----                       |                |      |                    |        |        |          |

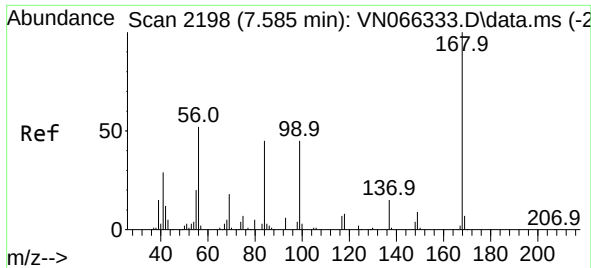
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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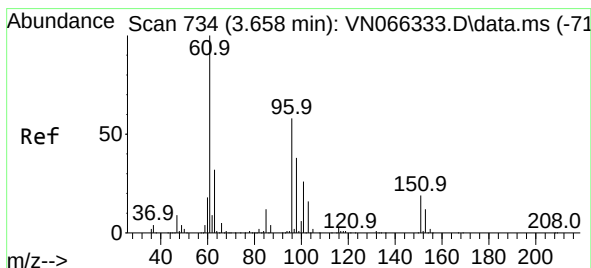
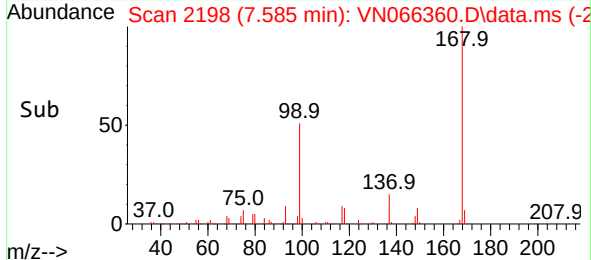
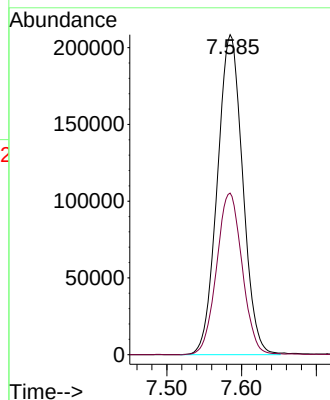
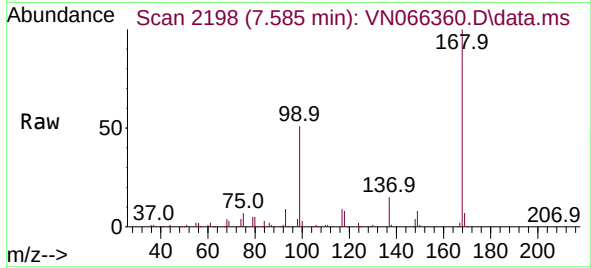




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.585 min Scan# 2198  
Delta R.T. -0.000 min  
Lab File: VN066360.D  
Acq: 26 Mar 2021 19:30

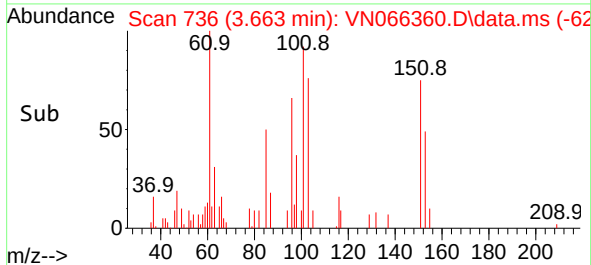
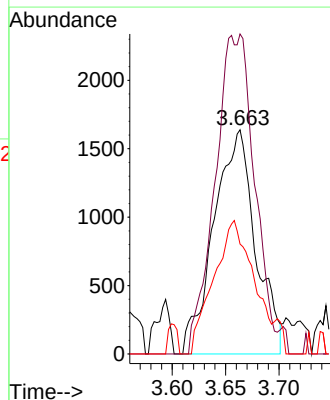
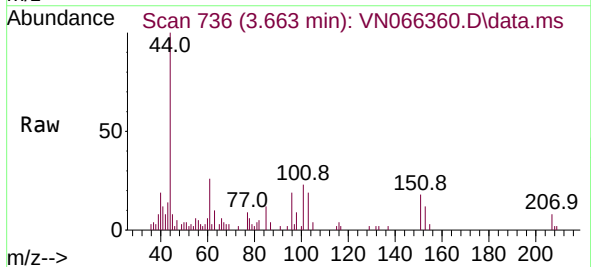
Instrument :  
MSVOA\_N  
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RE105D2-20210322

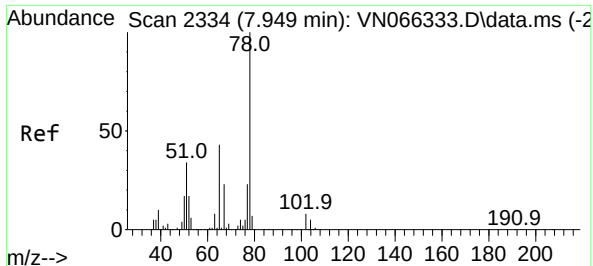
Tgt Ion:168 Resp: 491119  
Ion Ratio Lower Upper  
168 100  
99 50.5 41.1 61.7



#12  
1,1-Dichloroethene  
Concen: 0.79 ug/l  
RT: 3.663 min Scan# 736  
Delta R.T. 0.005 min  
Lab File: VN066360.D  
Acq: 26 Mar 2021 19:30

Tgt Ion: 96 Resp: 4441  
Ion Ratio Lower Upper  
96 100  
61 142.7 137.0 205.4  
98 49.1 51.5 77.3#





#33

1,2-Dichloroethane-d4

Concen: 50.65 ug/l

RT: 7.949 min Scan# 2334

Delta R.T. 0.000 min

Lab File: VN066360.D

Acq: 26 Mar 2021 19:30

Tgt Ion: 65 Resp: 330713

Ion Ratio Lower Upper

65 100

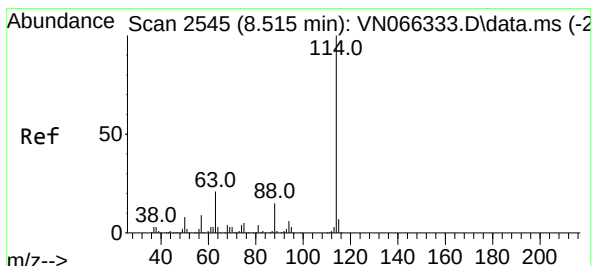
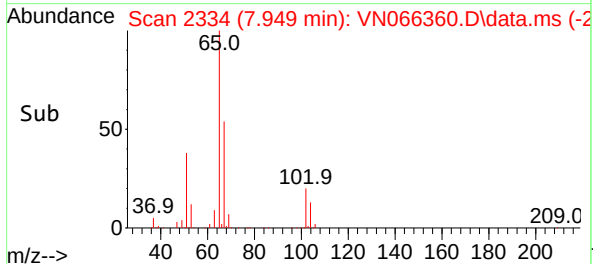
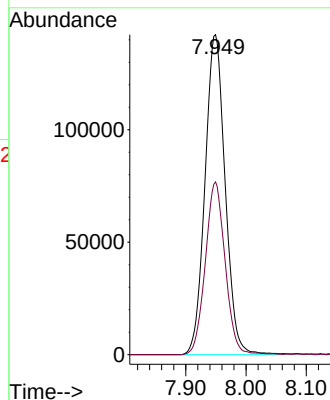
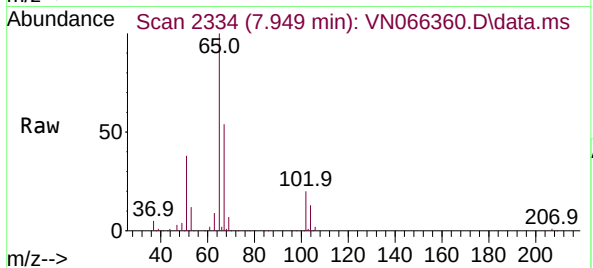
67 53.0 0.0 105.2

Instrument :

MSVOA\_N

ClientSampleId :

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.512 min Scan# 2544

Delta R.T. -0.003 min

Lab File: VN066360.D

Acq: 26 Mar 2021 19:30

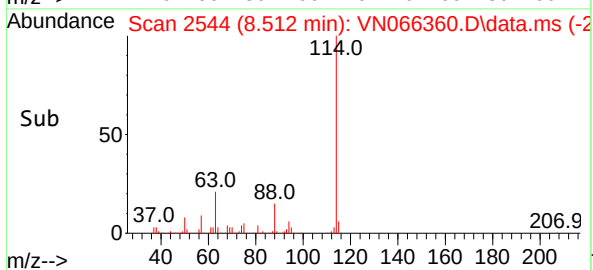
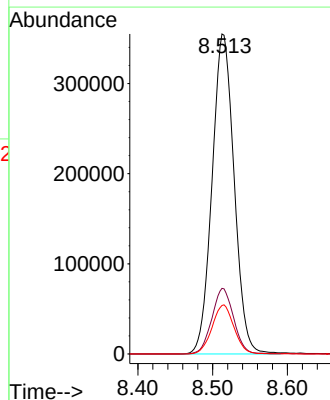
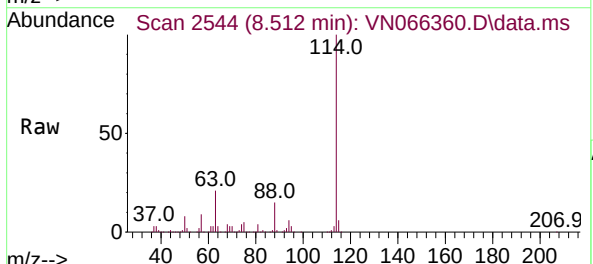
Tgt Ion: 114 Resp: 727224

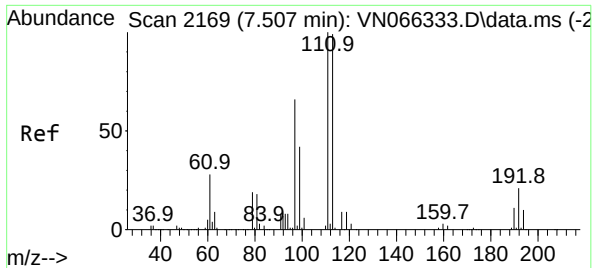
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.0

88 15.1 0.0 31.0

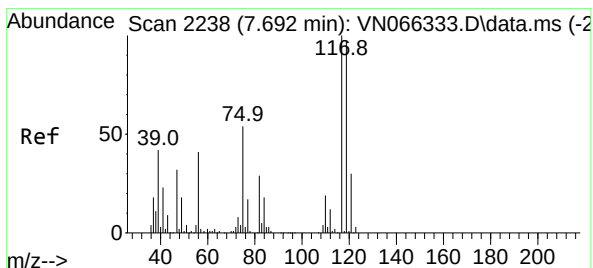
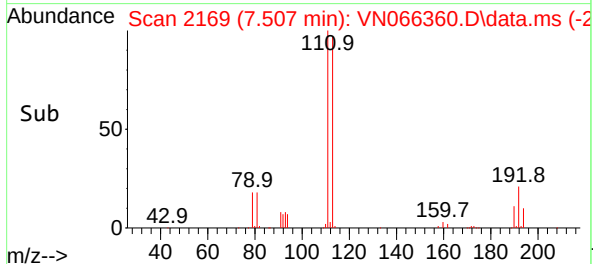
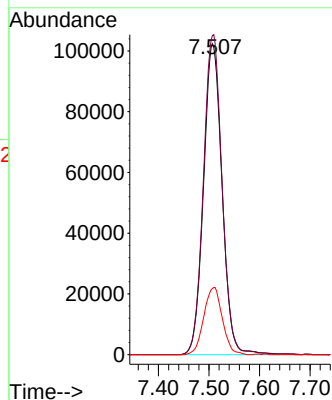
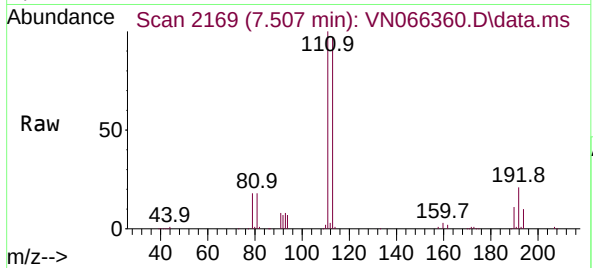




#35  
Dibromofluoromethane  
Concen: 54.21 ug/l  
RT: 7.507 min Scan# 2169  
Delta R.T. -0.000 min  
Lab File: VN066360.D  
Acq: 26 Mar 2021 19:30

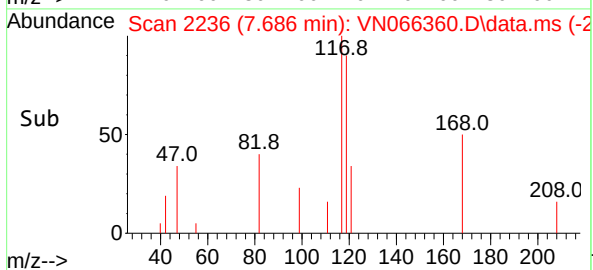
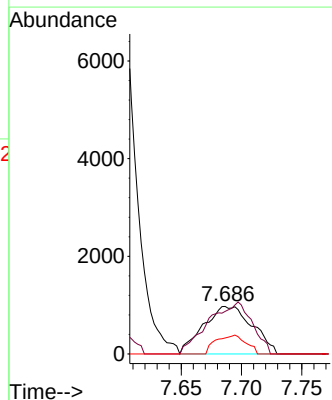
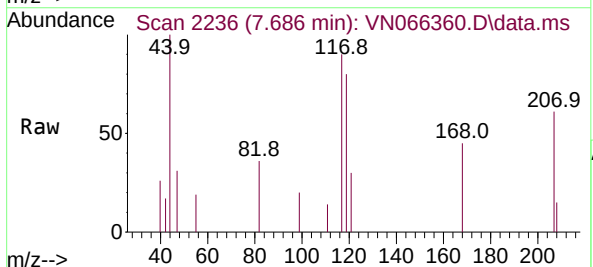
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE105D2-20210322

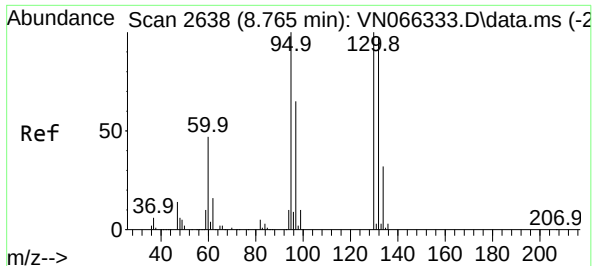
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 261353 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.7 | 81.8  | 122.8  |
| 192      | 21.6  | 17.1  | 25.7   |



#38  
Carbon Tetrachloride  
Concen: 0.40 ug/l  
RT: 7.686 min Scan# 2236  
Delta R.T. -0.005 min  
Lab File: VN066360.D  
Acq: 26 Mar 2021 19:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 2753  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 89.5  | 77.2  | 115.8 |
| 121      | 33.6  | 24.2  | 36.4  |

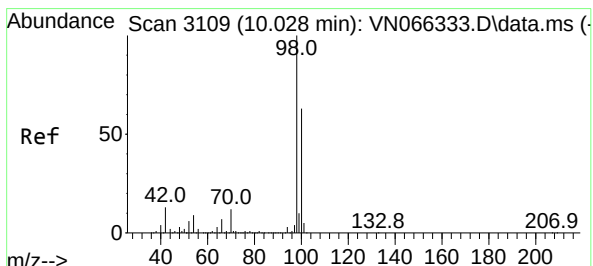
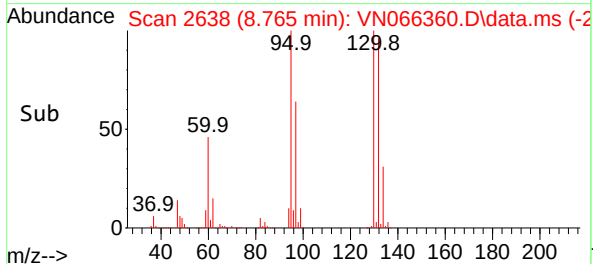
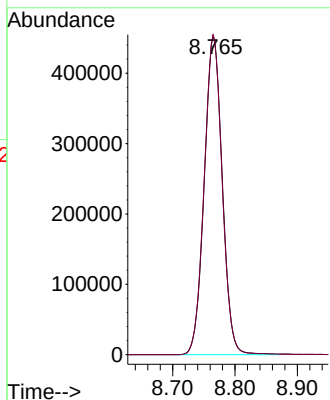
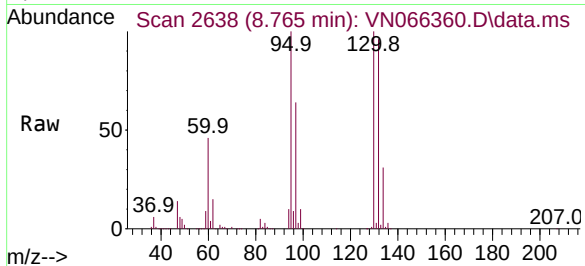




#44  
 Trichloroethene  
 Concen: 168.03 ug/l  
 RT: 8.765 min Scan# 2638  
 Delta R.T. 0.000 min  
 Lab File: VN066360.D  
 Acq: 26 Mar 2021 19:30

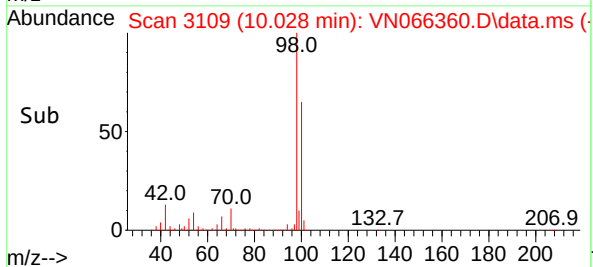
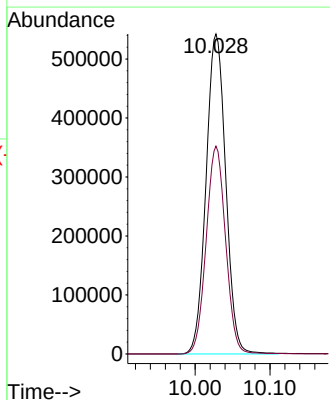
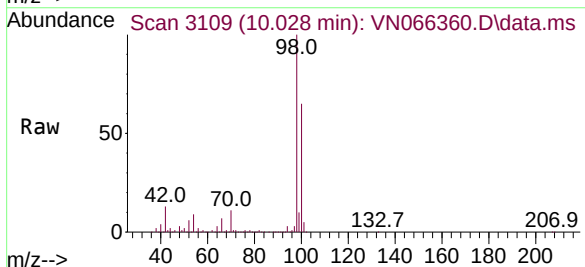
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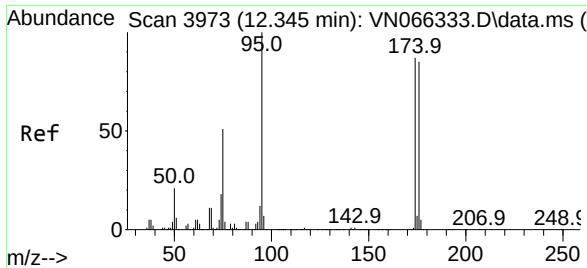
Tgt Ion:130 Resp: 911943  
 Ion Ratio Lower Upper  
 130 100  
 95 100.4 0.0 200.6



#50  
 Toluene-d8  
 Concen: 54.29 ug/l  
 RT: 10.028 min Scan# 3109  
 Delta R.T. -0.000 min  
 Lab File: VN066360.D  
 Acq: 26 Mar 2021 19:30

Tgt Ion: 98 Resp: 992831  
 Ion Ratio Lower Upper  
 98 100  
 100 64.0 50.5 75.7

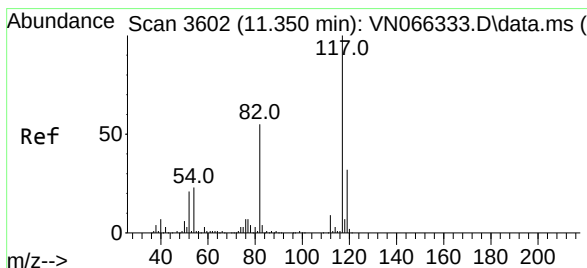
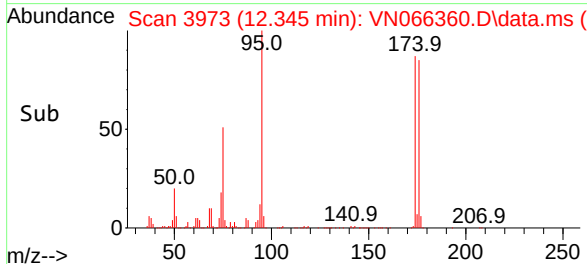
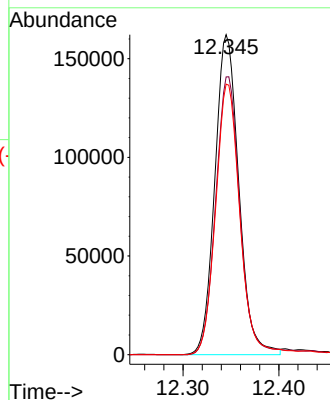
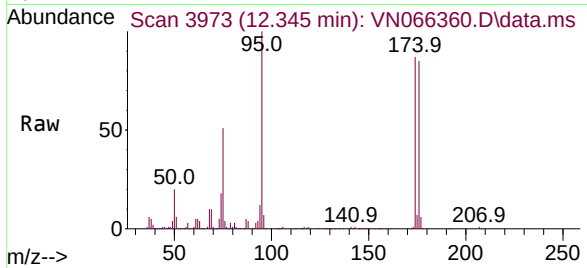




#62  
4-Bromofluorobenzene  
Concen: 44.39 ug/l  
RT: 12.345 min Scan# 3973  
Delta R.T. 0.000 min  
Lab File: VN066360.D  
Acq: 26 Mar 2021 19:30

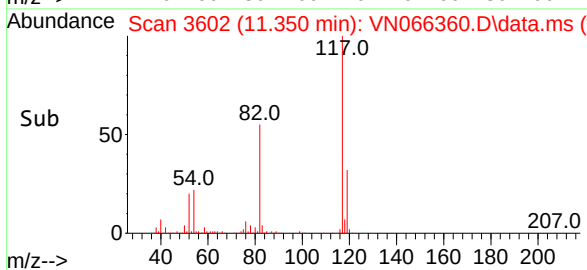
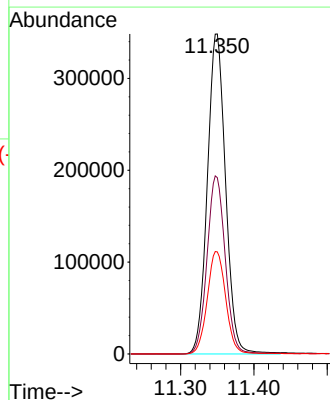
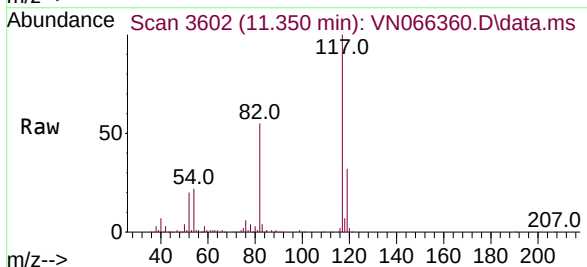
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE105D2-20210322

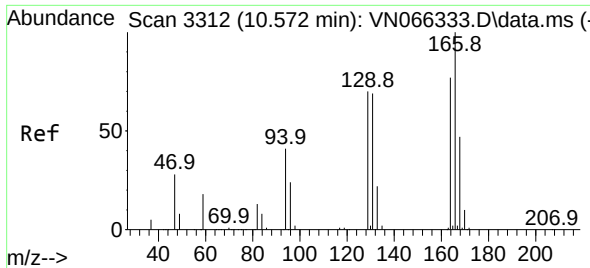
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 281927 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 87.5  | 0.0   | 172.2  |
| 176       | 85.6  | 0.0   | 167.8  |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.350 min Scan# 3602  
Delta R.T. 0.000 min  
Lab File: VN066360.D  
Acq: 26 Mar 2021 19:30

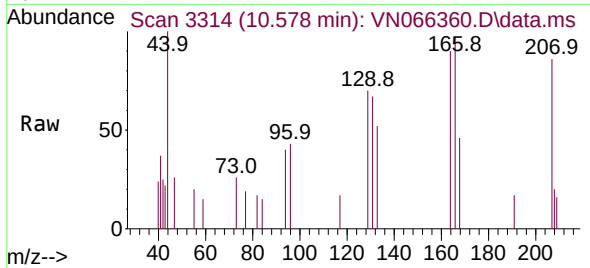
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 601031 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 55.1  | 44.2  | 66.4   |
| 119       | 31.9  | 25.8  | 38.6   |





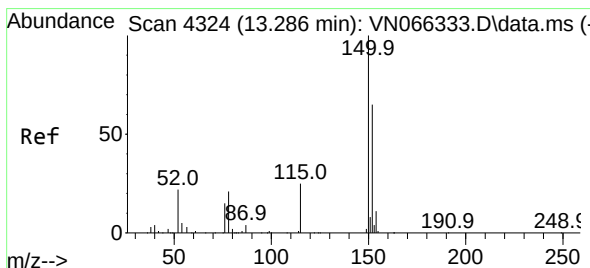
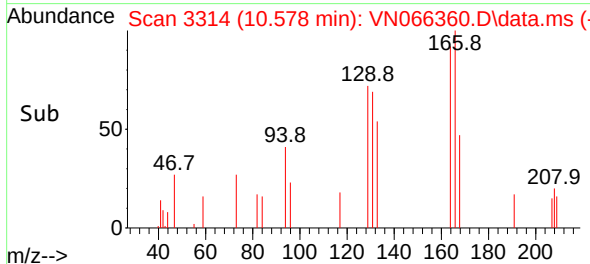
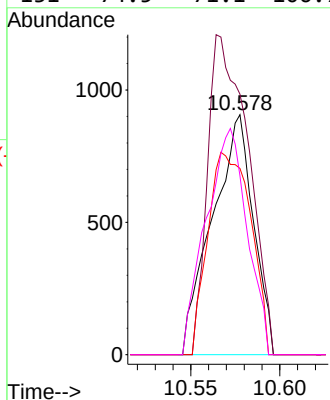
#64  
Tetrachloroethene  
Concen: 0.28 ug/l  
RT: 10.578 min Scan# 3314  
Delta R.T. 0.005 min  
Lab File: VN066360.D  
Acq: 26 Mar 2021 19:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
RE105D2-20210322



Tgt Ion:164 Resp: 1452

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 108.5 | 103.3 | 154.9 |
| 129 | 77.6  | 72.5  | 108.7 |
| 131 | 74.5  | 71.1  | 106.7 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.289 min Scan# 4325  
Delta R.T. 0.003 min  
Lab File: VN066360.D  
Acq: 26 Mar 2021 19:30

Tgt Ion:152 Resp: 199303

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 55.7  | 27.8  | 83.4  |
| 150 | 157.9 | 0.0   | 348.4 |

