

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092421\  
 Data File : VN068641.D  
 Acq On : 24 Sep 2021 16:10  
 Operator : JC/MD  
 Sample : M3911-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SW-RR-01-(2.0)

Quant Time: Sep 24 17:21:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 13:52:37 2021  
 Response via : Initial Calibration

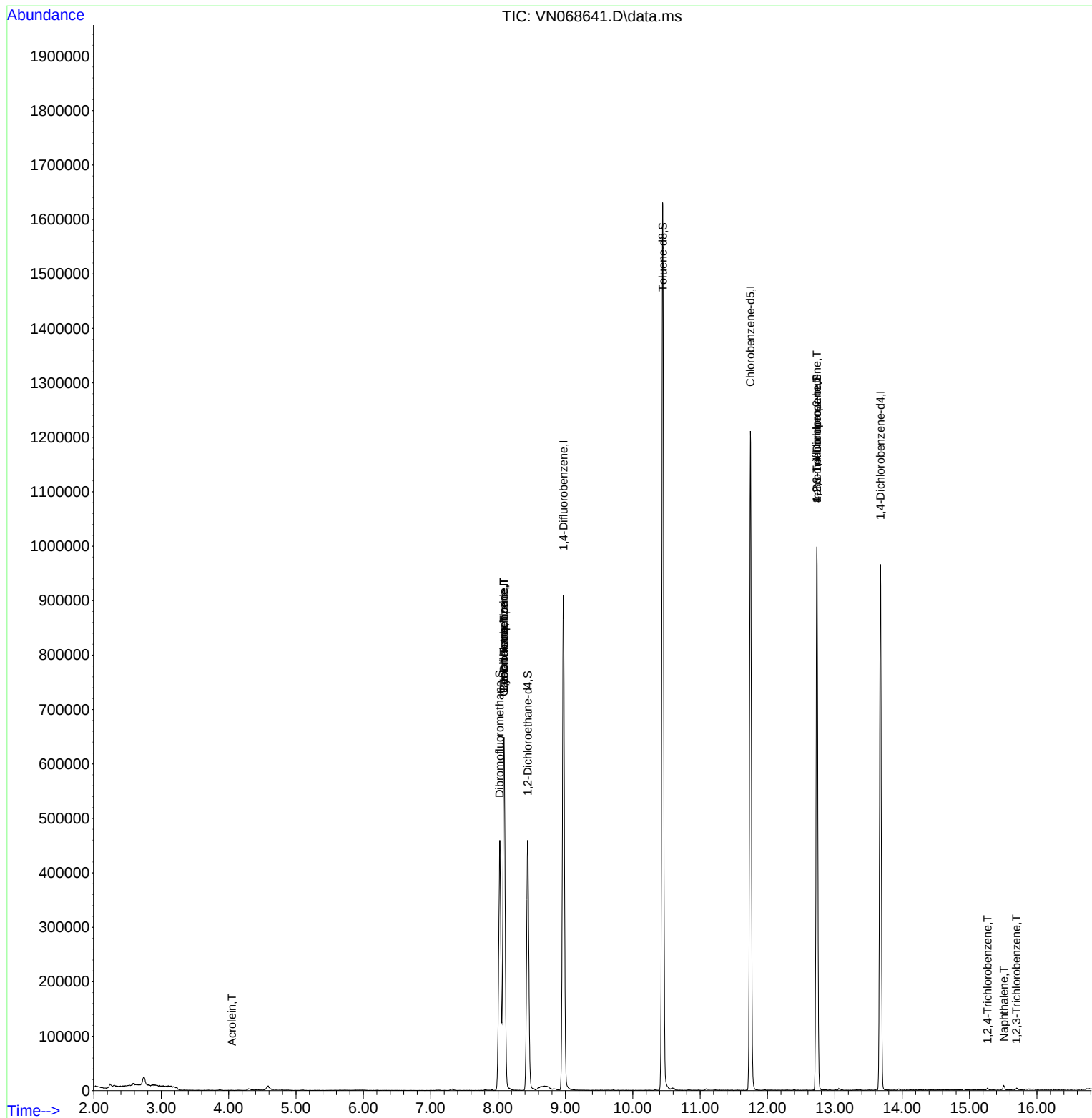
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.088          | 168  | 489656              | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.971          | 114  | 794826              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.747         | 117  | 700220              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.678         | 152  | 252933              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440          | 65   | 382842              | 50.108    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 100.220% |           |        |          |
| 35) Dibromofluoromethane      | 8.024          | 113  | 308619              | 58.145    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 116.280% |           |        |          |
| 50) Toluene-d8                | 10.446         | 98   | 1122453             | 49.794    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 99.580%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.734         | 95   | 335250              | 43.486    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 86.980%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 5) Bromomethane               | 2.877          | 94   | 1450                | Below Cal | #      | 77       |
| 6) Chloroethane               | 2.904          | 64   | 795                 | Below Cal | #      | 81       |
| 13) Acrolein                  | 4.049          | 56   | 179                 | 7.296     | ug/l # | 14       |
| 16) Acetone                   | 4.304          | 43   | 5048                | Below Cal |        | 96       |
| 20) Methylene Chloride        | 5.098          | 84   | 516                 | Below Cal | #      | 40       |
| 31) Cyclohexane               | 8.088          | 56   | 12459               | 1.162     | ug/l # | 13       |
| 36) 1,1-Dichloropropene       | 8.088          | 75   | 40059               | 4.990     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 8.086          | 117  | 49457               | 5.965     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.734         | 75   | 189556              | 30.310    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.734         | 75   | 189556              | 85.617    | ug/l # | 6        |
| 93) 1,2,4-Trichlorobenzene    | 15.268         | 180  | 1091                | 0.257     | ug/l # | 86       |
| 95) Naphthalene               | 15.512         | 128  | 6634                | 2.124     | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.697         | 180  | 951                 | 0.229     | ug/l   | 73       |
| -----                         |                |      |                     |           |        |          |

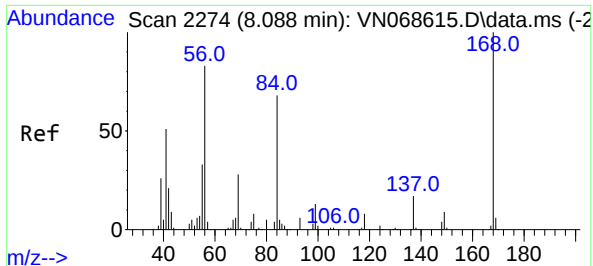
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092421\  
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MSVOA\_N  
ClientSampleId :  
SW-RR-01-(2.0)

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Quant Title : SW846 8260  
QLast Update : Thu Sep 23 13:52:37 2021  
Response via : Initial Calibration

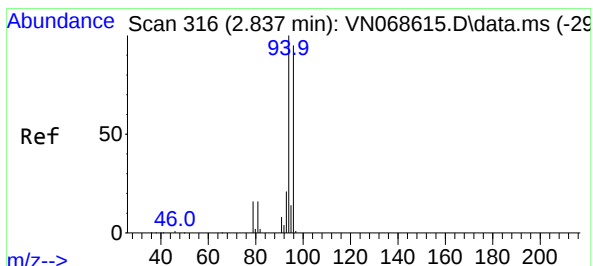
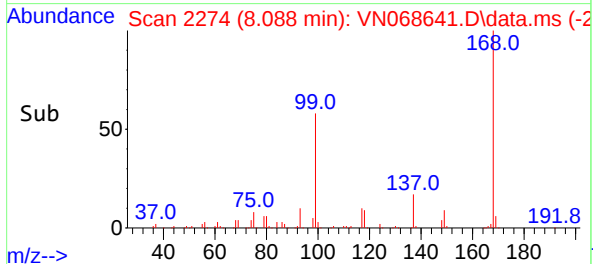
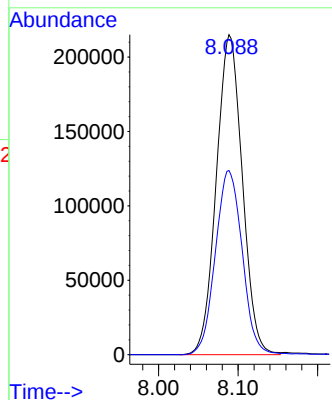
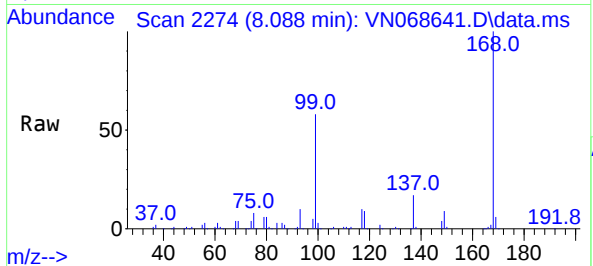




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

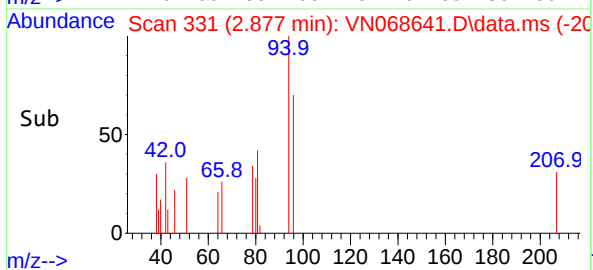
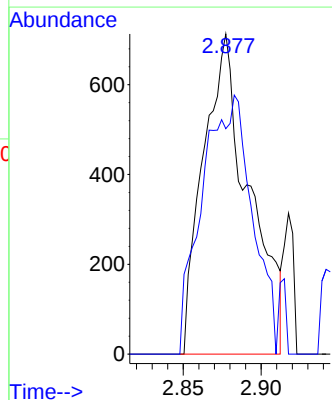
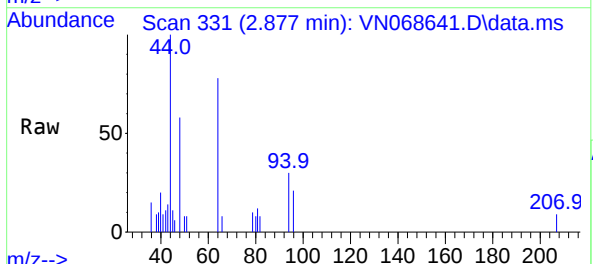
Instrument :  
MSVOA\_N  
ClientSampleId :  
SW-RR-01-(2.0)

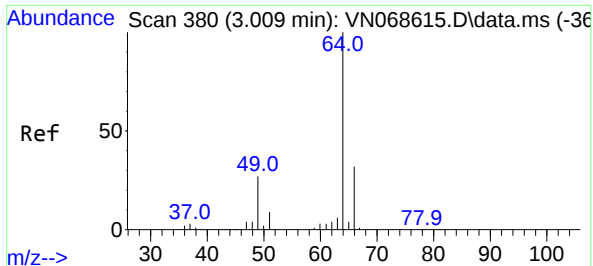
Tgt Ion:168 Resp: 489656  
Ion Ratio Lower Upper  
168 100  
99 57.5 62.9 94.3#



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.877 min Scan# 331  
Delta R.T. 0.040 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

Tgt Ion: 94 Resp: 1450  
Ion Ratio Lower Upper  
94 100  
96 70.4 73.7 110.5#

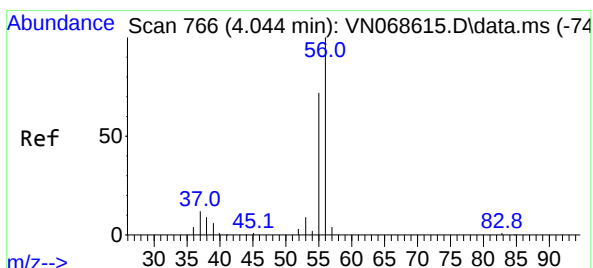
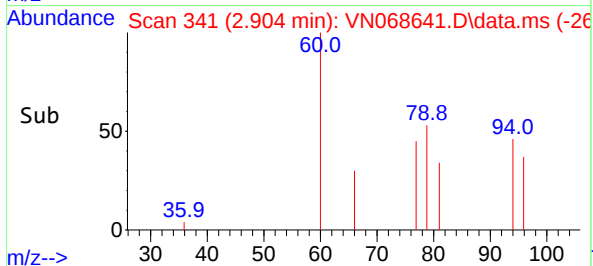
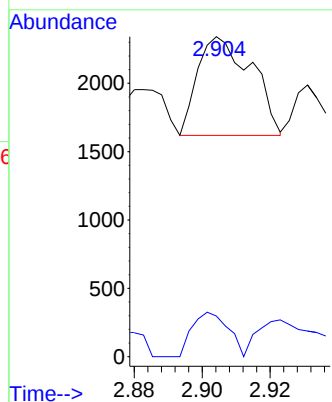
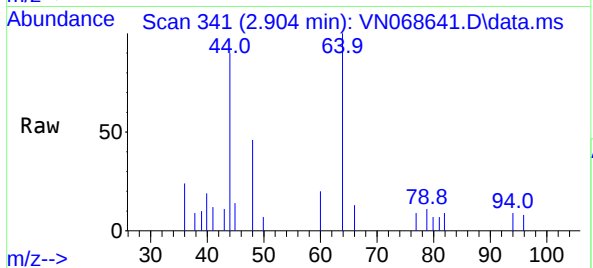




#6  
Chloroethane  
Concen: Below Cal  
RT: 2.904 min Scan# 341  
Delta R.T. -0.105 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

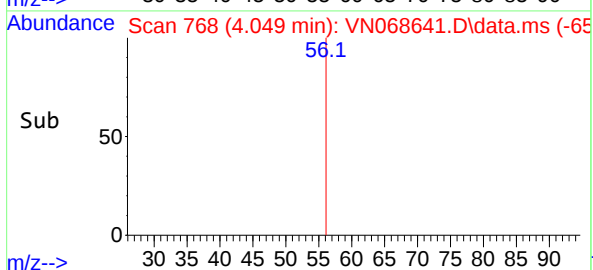
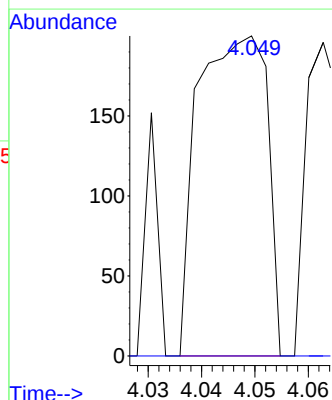
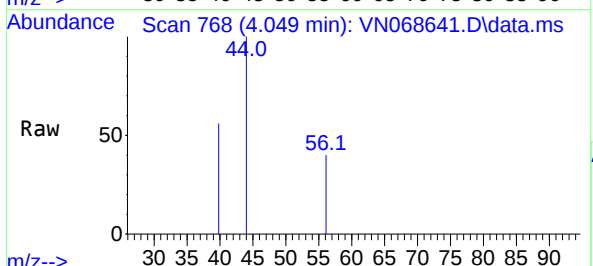
Instrument :  
MSVOA\_N  
ClientSampleId :  
SW-RR-01-(2.0)

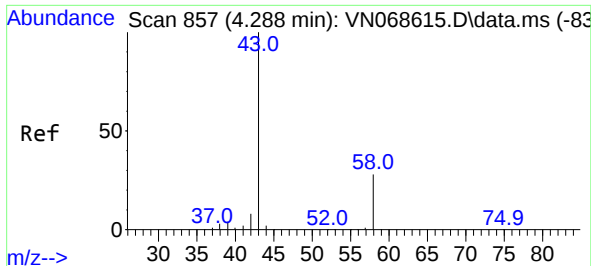
Tgt Ion: 64 Resp: 795  
Ion Ratio Lower Upper  
64 100  
66 41.3 24.7 37.1#



#13  
Acrolein  
Concen: 7.296 ug/l  
RT: 4.049 min Scan# 768  
Delta R.T. 0.005 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

Tgt Ion: 56 Resp: 179  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.4 86.0#

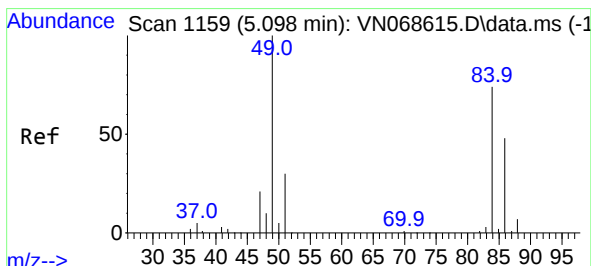
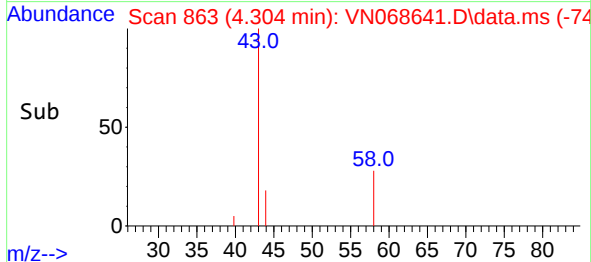
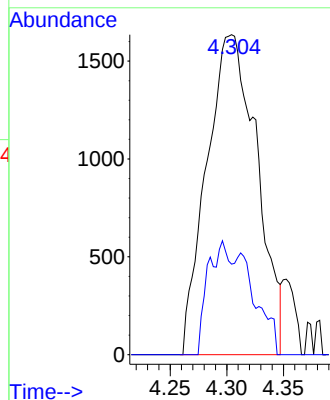
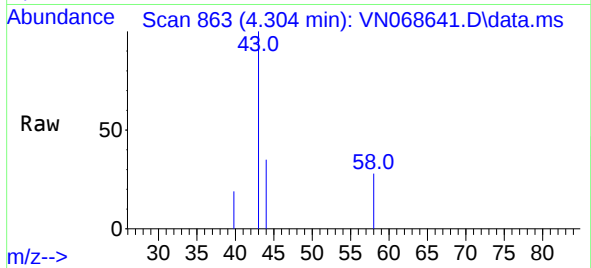




#16  
Acetone  
Concen: Below Cal  
RT: 4.304 min Scan# 863  
Delta R.T. 0.016 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

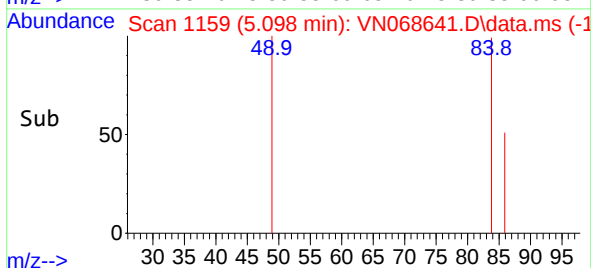
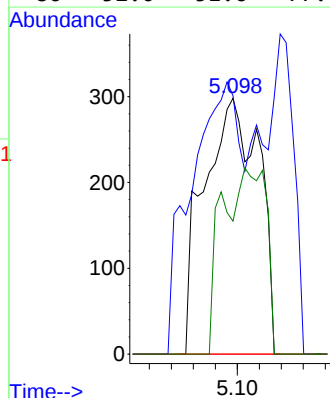
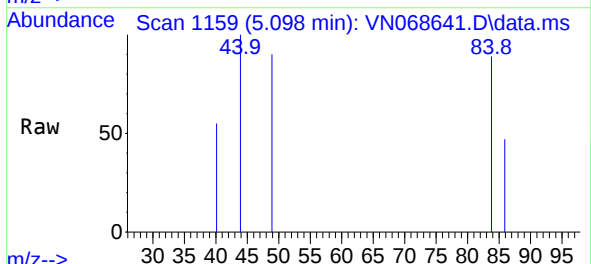
Instrument :  
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ClientSampleId :  
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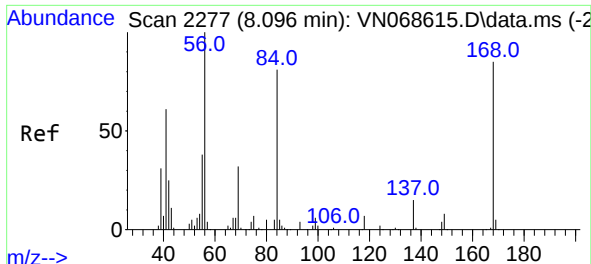
Tgt Ion: 43 Resp: 5048  
Ion Ratio Lower Upper  
43 100  
58 28.3 21.2 31.8



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.098 min Scan# 1159  
Delta R.T. 0.000 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

Tgt Ion: 84 Resp: 516  
Ion Ratio Lower Upper  
84 100  
49 43.0 110.9 166.3#  
51 0.0 32.6 49.0#  
86 52.0 51.6 77.4

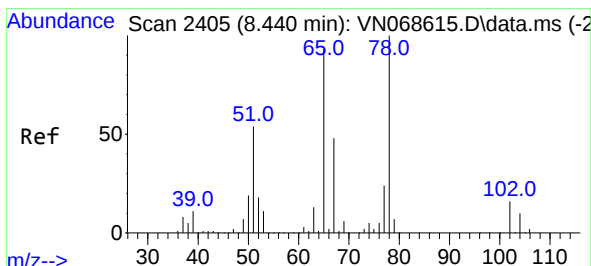
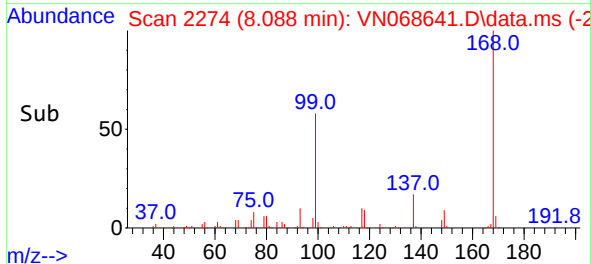
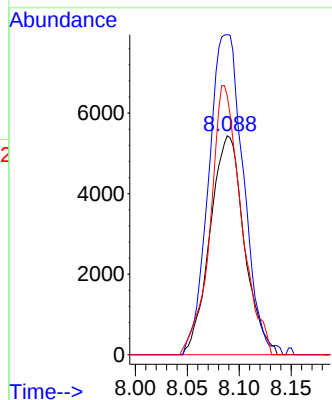
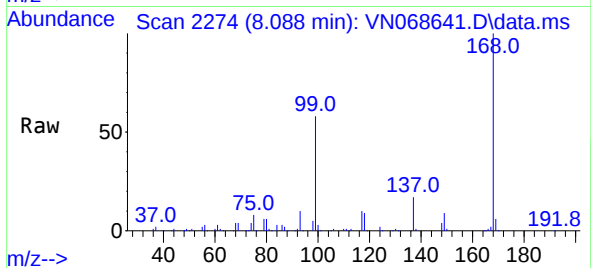




#31  
Cyclohexane  
Concen: 1.162 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.008 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

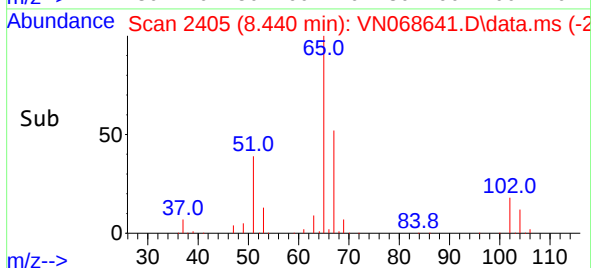
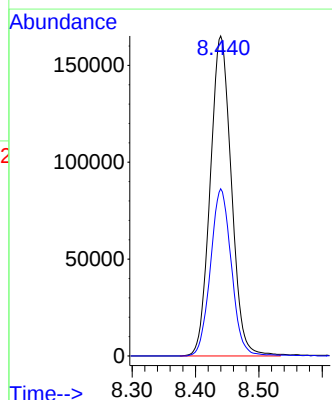
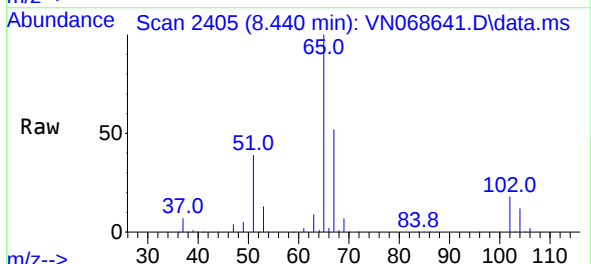
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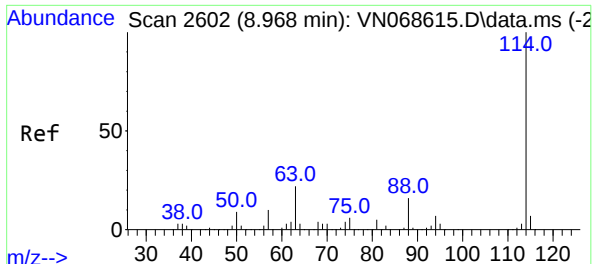
Tgt Ion: 56 Resp: 12459  
Ion Ratio Lower Upper  
56 100  
69 146.1 27.3 40.9#  
84 118.1 64.9 97.3#



#33  
1,2-Dichloroethane-d4  
Concen: 50.108 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

Tgt Ion: 65 Resp: 382842  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 98.6

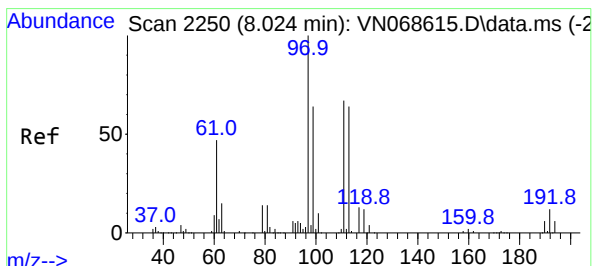
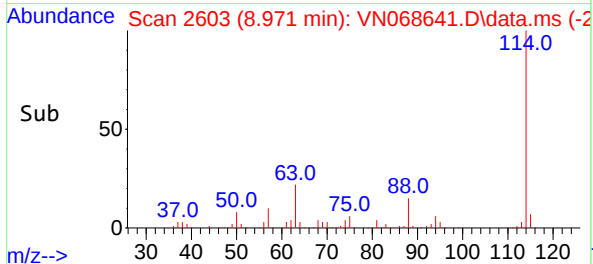
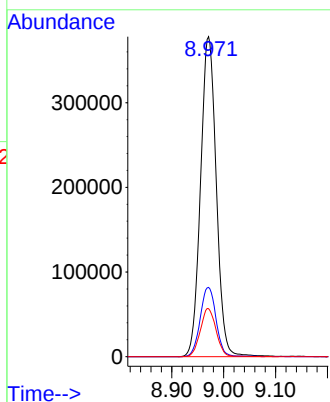
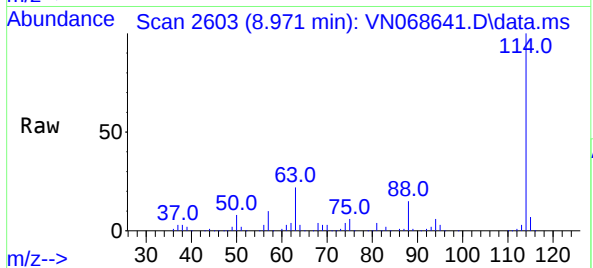




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

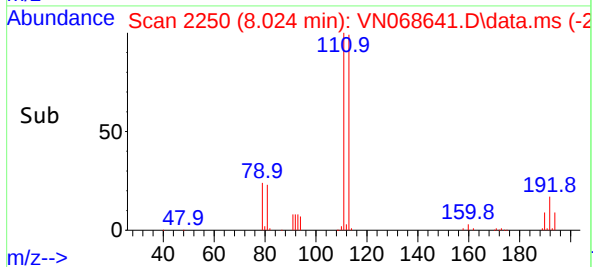
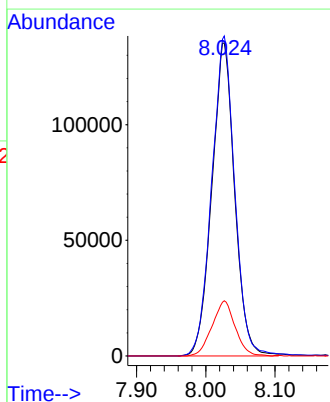
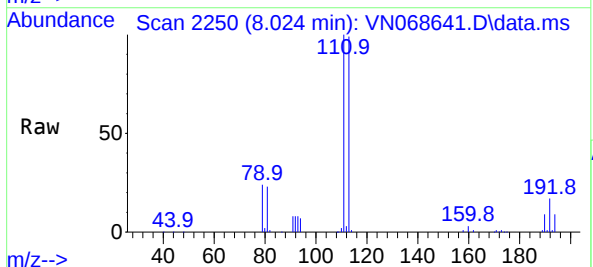
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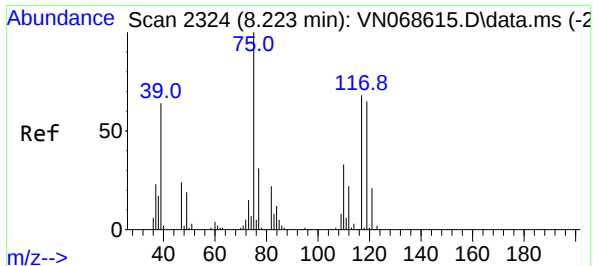
Tgt Ion:114 Resp: 794826  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 49.0  
88 15.0 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 58.145 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

Tgt Ion:113 Resp: 308619  
Ion Ratio Lower Upper  
113 100  
111 103.4 83.8 125.8  
192 17.9 13.4 20.0

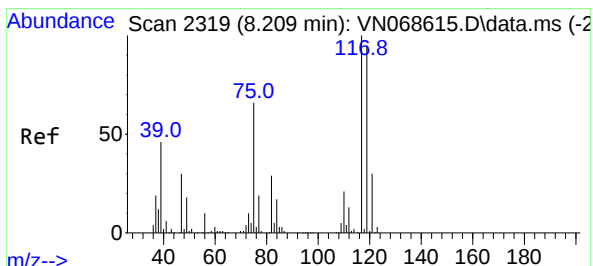
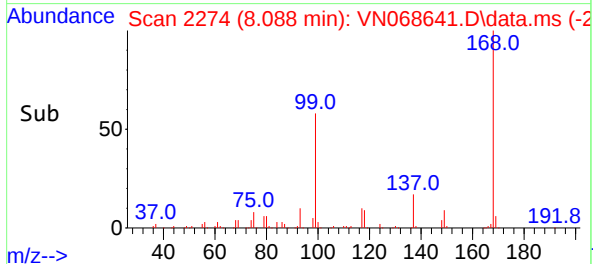
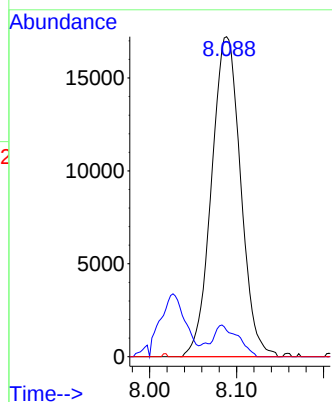
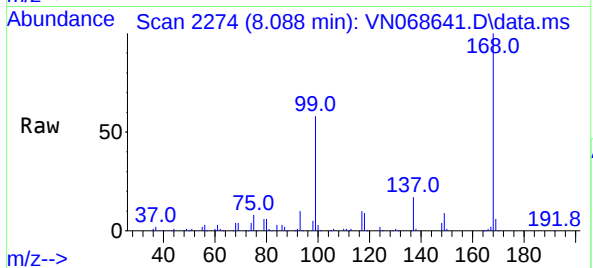




#36  
1,1-Dichloropropene  
Concen: 4.990 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.135 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

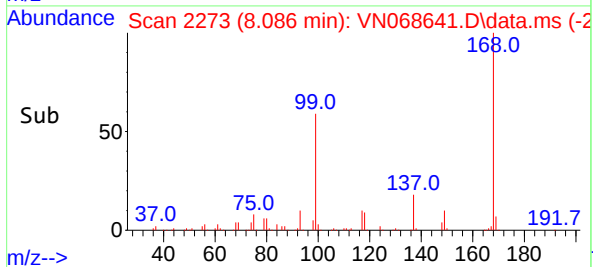
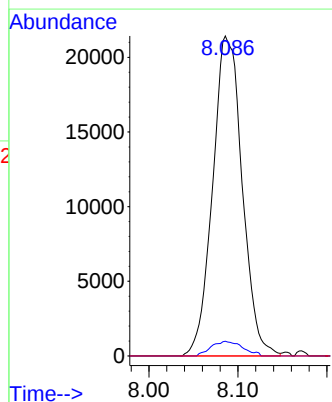
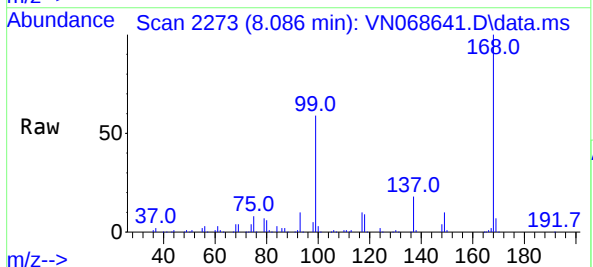
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ClientSampleId :  
SW-RR-01-(2.0)

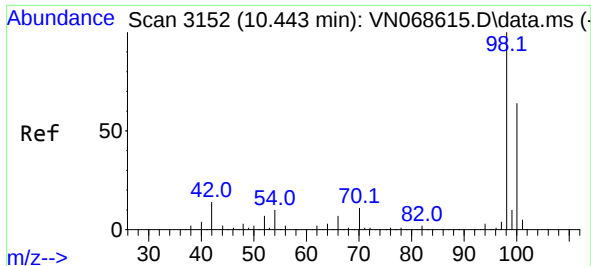
Tgt Ion: 75 Resp: 40059  
Ion Ratio Lower Upper  
75 100  
110 8.2 15.7 47.0#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.965 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.123 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

Tgt Ion: 117 Resp: 49457  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.4 113.2#  
121 0.0 23.5 35.3#

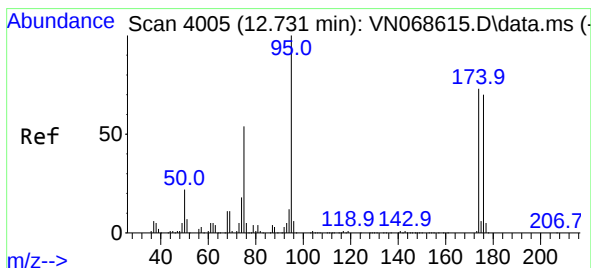
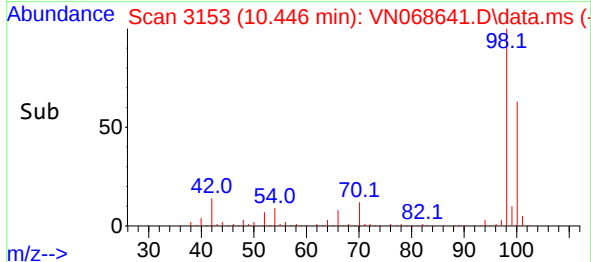
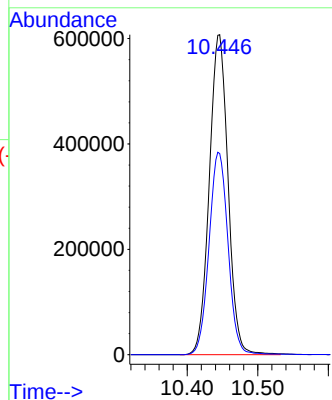
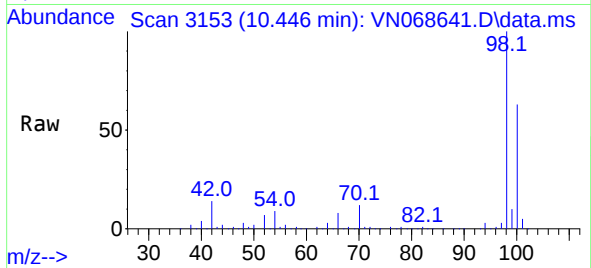




#50  
Toluene-d8  
Concen: 49.794 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

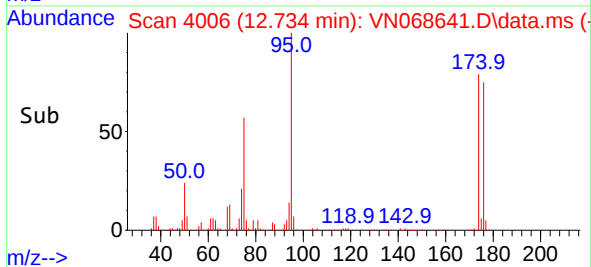
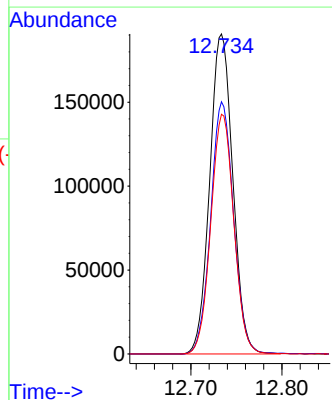
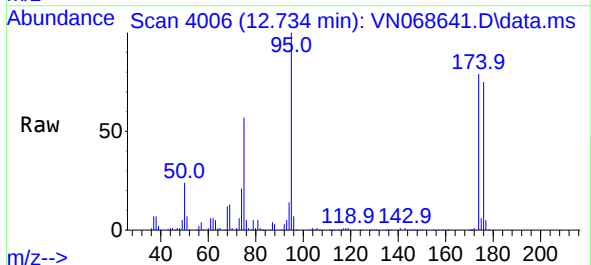
Instrument :  
MSVOA\_N  
ClientSampleId :  
SW-RR-01-(2.0)

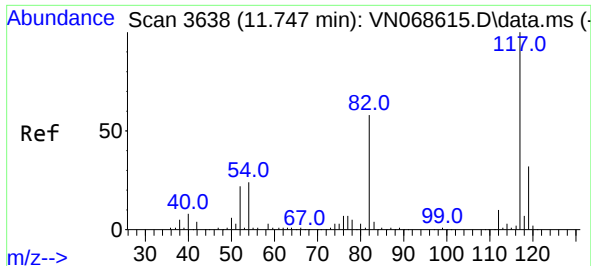
Tgt Ion: 98 Resp: 1122453  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 43.486 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.003 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

Tgt Ion: 95 Resp: 335250  
Ion Ratio Lower Upper  
95 100  
174 78.4 0.0 122.0  
176 74.8 0.0 117.6

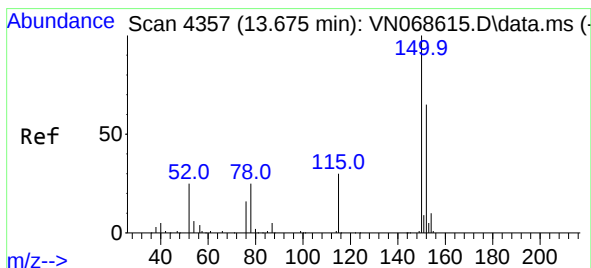
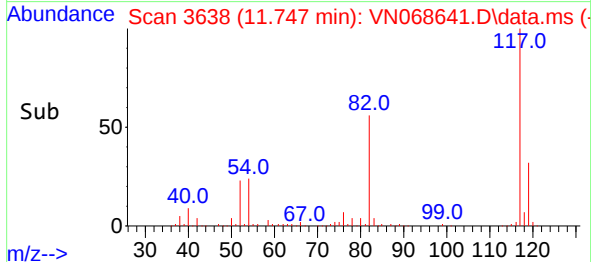
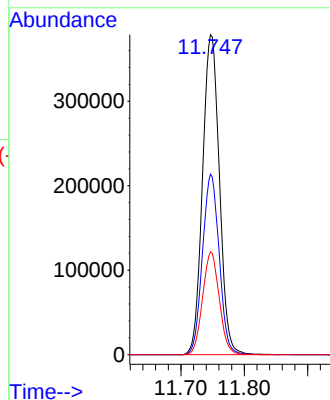
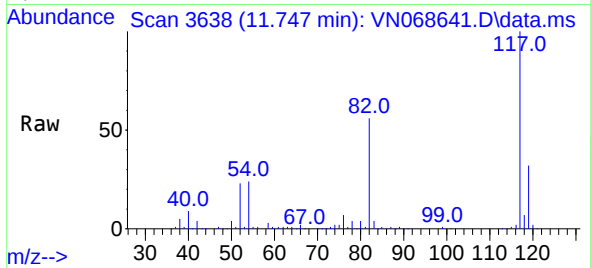




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

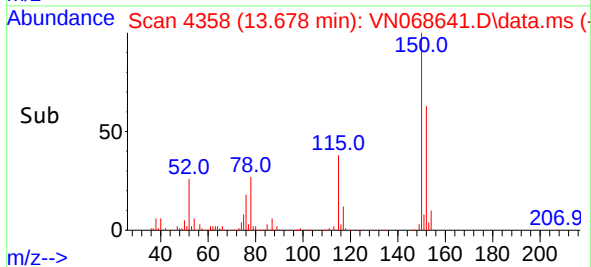
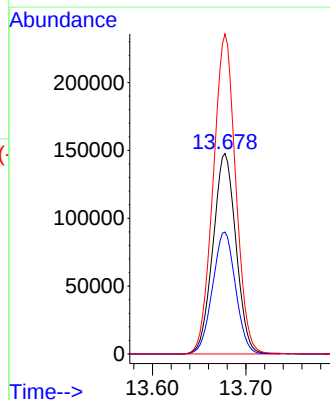
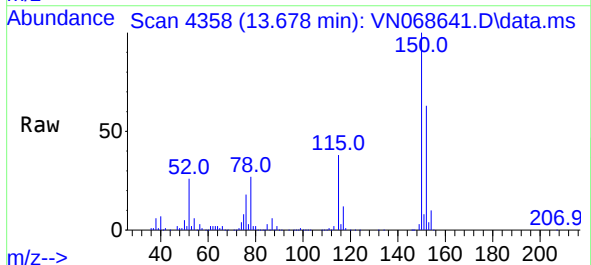
Instrument :  
MSVOA\_N  
ClientSampleId :  
SW-RR-01-(2.0)

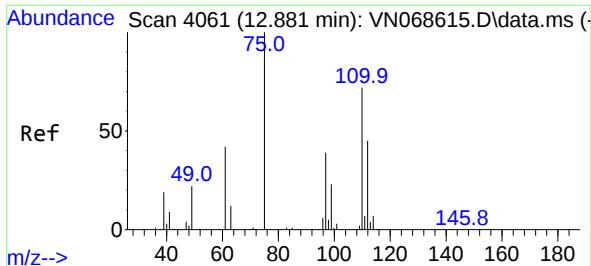
Tgt Ion:117 Resp: 700220  
Ion Ratio Lower Upper  
117 100  
82 56.5 53.1 79.7  
119 32.1 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

Tgt Ion:152 Resp: 252933  
Ion Ratio Lower Upper  
152 100  
115 60.9 36.1 108.5  
150 156.5 0.0 351.8

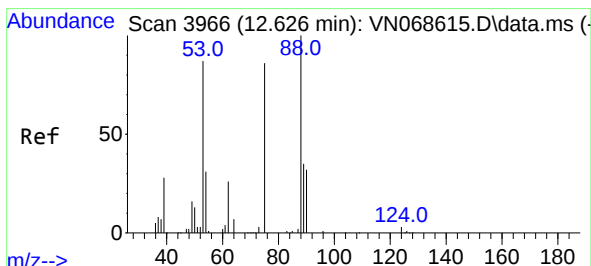
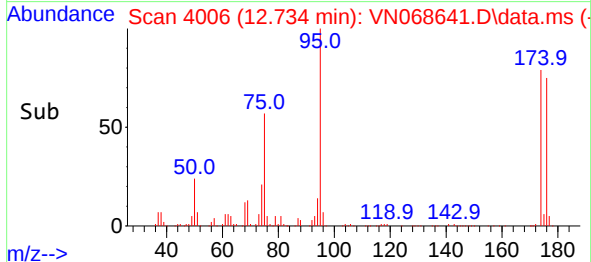
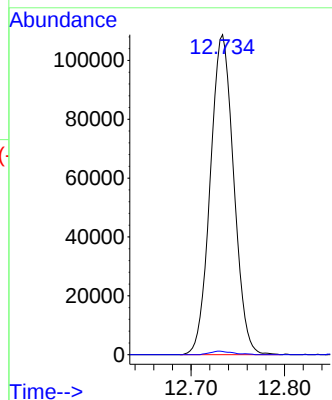
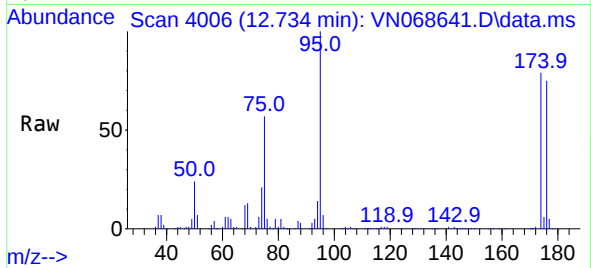




#76  
1,2,3-Trichloropropane  
Concen: 30.310 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.147 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

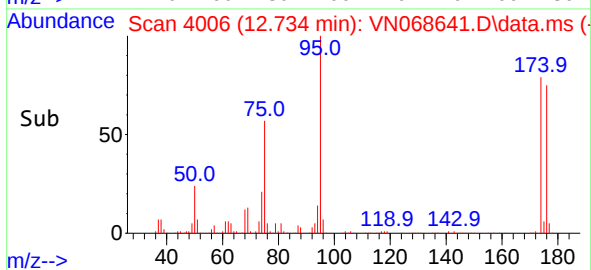
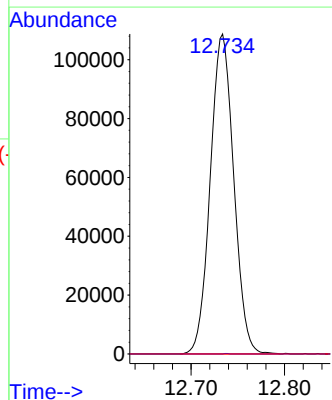
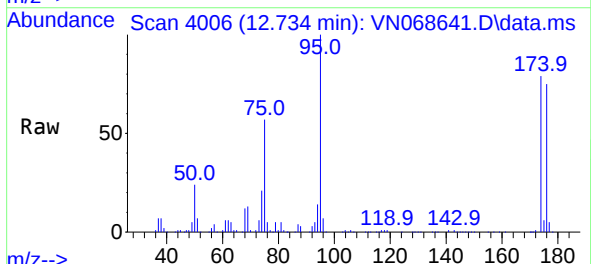
Instrument :  
MSVOA\_N  
ClientSampleId :  
SW-RR-01-(2.0)

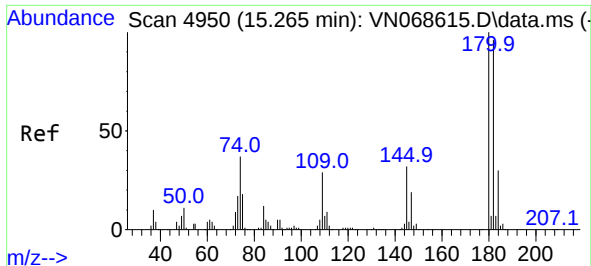
Tgt Ion: 75 Resp: 189556  
Ion Ratio Lower Upper  
75 100  
77 1.0 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 85.617 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.108 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

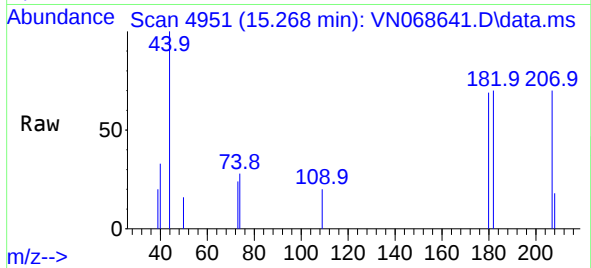
Tgt Ion: 75 Resp: 189556  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.6 131.4#  
89 0.0 37.8 56.8#



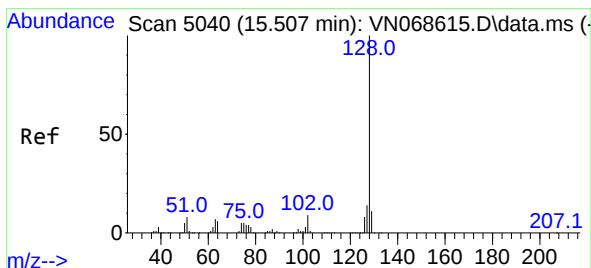
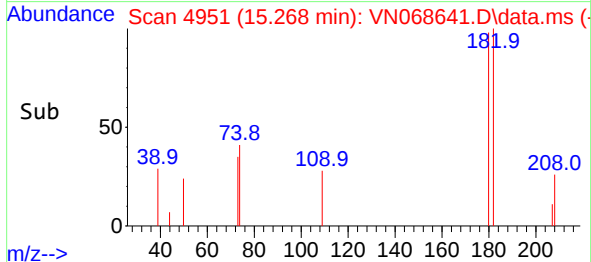
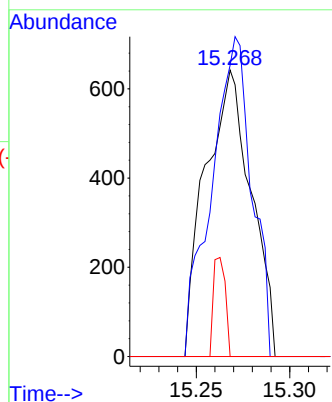


#93  
1,2,4-Trichlorobenzene  
Concen: 0.257 ug/l  
RT: 15.268 min Scan# 4951  
Delta R.T. 0.003 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
SW-RR-01-(2.0)

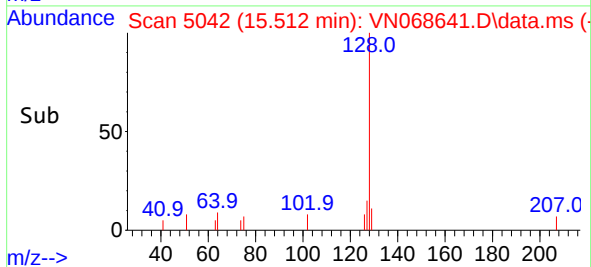
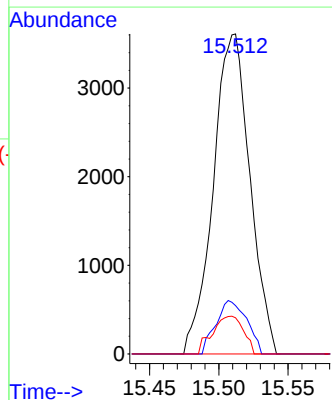
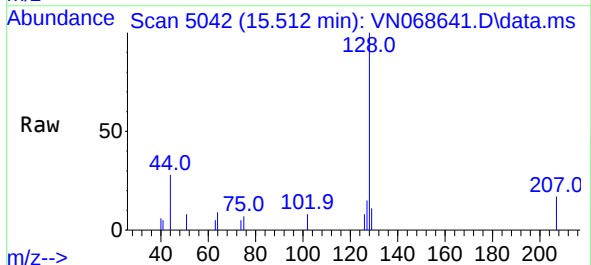


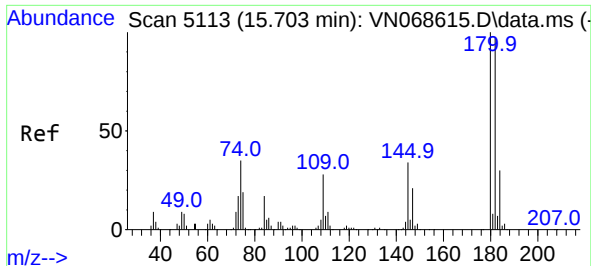
Tgt Ion:180 Resp: 1091  
Ion Ratio Lower Upper  
180 100  
182 98.3 47.5 142.5  
145 9.0 17.2 51.6#



#95  
Naphthalene  
Concen: 2.124 ug/l  
RT: 15.512 min Scan# 5042  
Delta R.T. 0.005 min  
Lab File: VN068641.D  
Acq: 24 Sep 2021 16:10

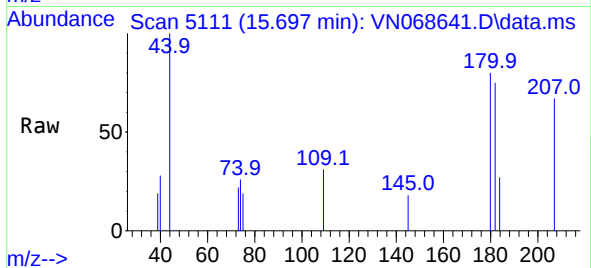
Tgt Ion:128 Resp: 6634  
Ion Ratio Lower Upper  
128 100  
127 14.1 10.6 15.8  
129 9.9 8.6 12.8





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.229 ug/l  
 RT: 15.697 min Scan# 5111  
 Delta R.T. -0.006 min  
 Lab File: VN068641.D  
 Acq: 24 Sep 2021 16:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SW-RR-01-(2.0)



Tgt Ion:180 Resp: 951

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 67.2  | 47.8  | 143.3 |
| 145 | 23.7  | 18.2  | 54.6  |

