

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032621\  
 Data File : VN066352.D  
 Acq On : 26 Mar 2021 16:22  
 Operator : JC/MD  
 Sample : M1788-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW201D-20210320

Quant Time: Mar 27 01:49:18 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      | 7.584  | 168  | 449672   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.515  | 114  | 674751   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.350 | 117  | 567142   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.289 | 152  | 187763   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 7.949  | 65    | 321984   | 53.86    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 107.72%  |
| 35) Dibromofluoromethane    | 7.507  | 113   | 251461   | 56.22    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 112.44%  |
| 50) Toluene-d8              | 10.028 | 98    | 951318   | 56.07    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 112.14%# |
| 62) 4-Bromofluorobenzene    | 12.345 | 95    | 279600   | 47.44    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 94.88%   |

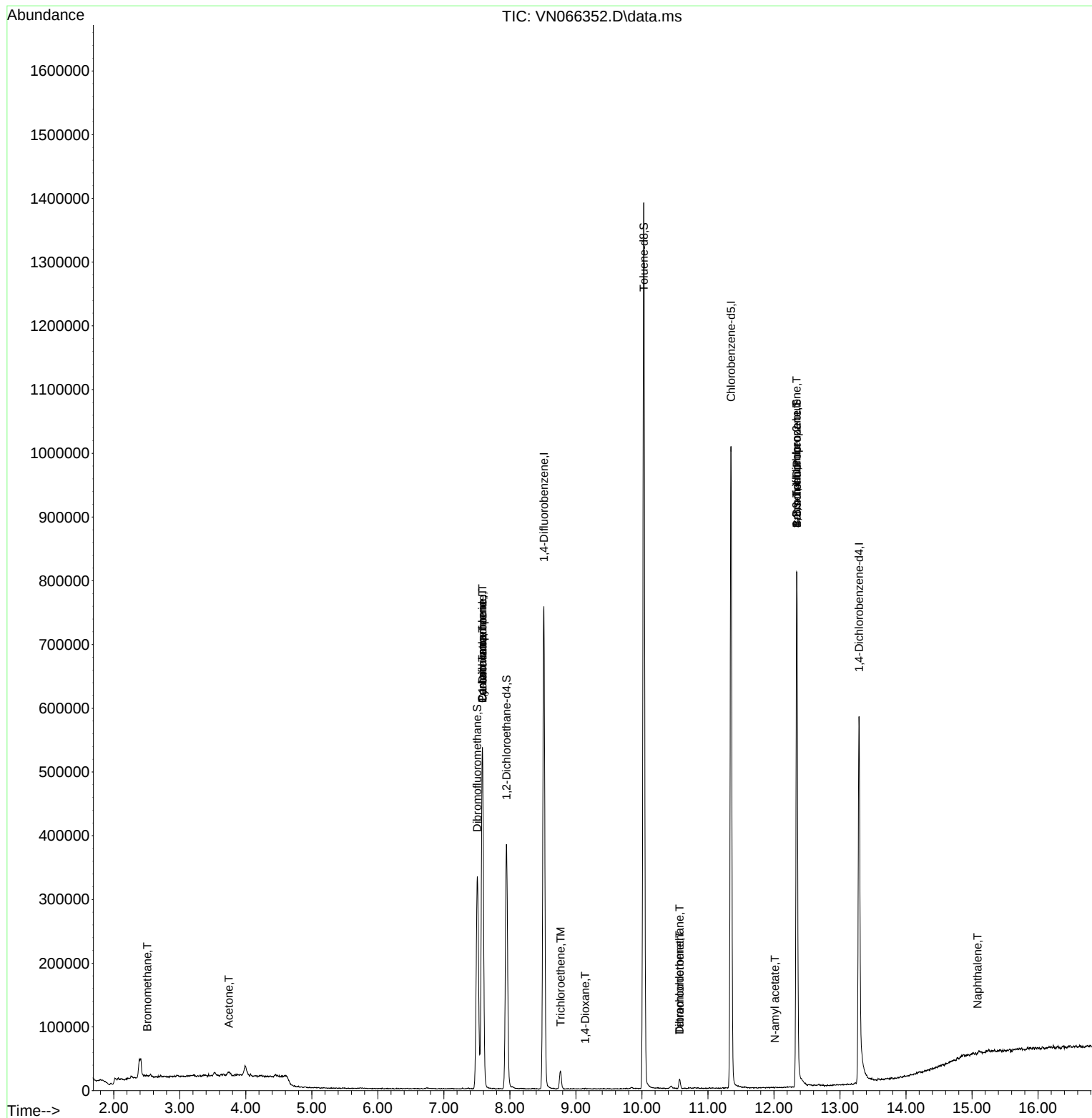
| Target Compounds              | R.T.   | QIon | Response | Conc        | Units | Qvalue |
|-------------------------------|--------|------|----------|-------------|-------|--------|
| 3) Chloromethane              | 2.017  | 50   | 4006     | Below Cal   |       | 92     |
| 5) Bromomethane               | 2.510  | 94   | 934      | 0.21 ug/l   | #     | 37     |
| 13) Acrolein                  | 3.535  | 56   | 4596     | Below Cal   | #     | 77     |
| 16) Acetone                   | 3.741  | 43   | 6109     | 1.89 ug/l   | #     | 78     |
| 20) Methylene Chloride        | 4.444  | 84   | 1416     | Below Cal   | #     | 71     |
| 31) Cyclohexane               | 7.584  | 56   | 9690     | 1.17 ug/l   | #     | 17     |
| 36) 1,1-Dichloropropene       | 7.584  | 75   | 33003    | 5.21 ug/l   | #     | 49     |
| 38) Carbon Tetrachloride      | 7.584  | 117  | 39876    | 6.26 ug/l   | #     | 16     |
| 44) Trichloroethene           | 8.767  | 130  | 10338    | 2.05 ug/l   |       | 90     |
| 49) 1,4-Dioxane               | 9.140  | 88   | 167      | 2.34 ug/l   | #     | 68     |
| 60) Dibromochloromethane      | 10.572 | 129  | 2794     | 0.53 ug/l   | #     | 11     |
| 64) Tetrachloroethene         | 10.572 | 164  | 3064     | 0.63 ug/l   |       | 89     |
| 71) Bromoform                 | 12.348 | 173  | 2434     | 0.67 ug/l   | #     | 1      |
| 74) N-amyl acetate            | 12.015 | 43   | 100      | 3.21 ug/l   | #     | 45     |
| 76) 1,2,3-Trichloropropane    | 12.345 | 75   | 141900   | 34.44 ug/l  | #     | 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.345 | 75   | 141900   | 103.57 ug/l | #     | 12     |
| 95) Naphthalene               | 15.083 | 128  | 1330     | 1.17 ug/l   | #     | 76     |

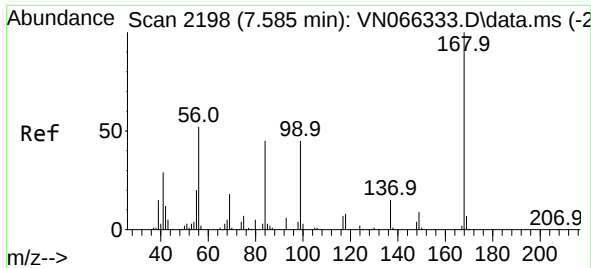
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032621\  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 26 16:26:01 2021  
Response via : Initial Calibration

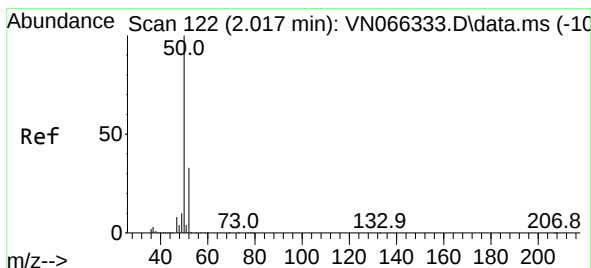
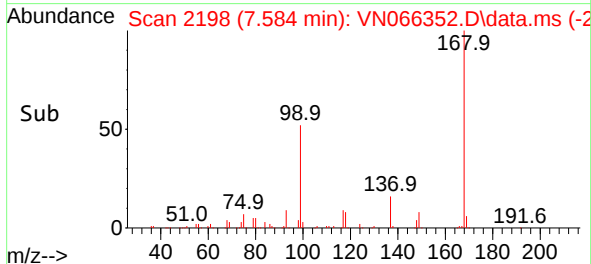
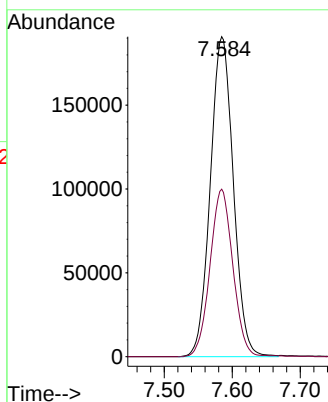
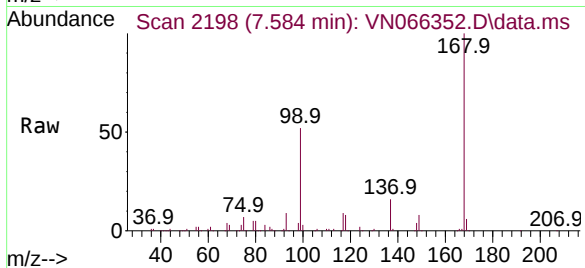




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.584 min Scan# 2198  
Delta R.T. -0.001 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

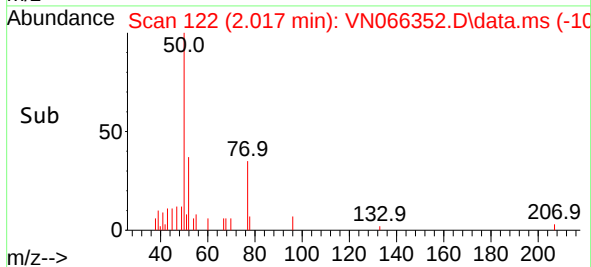
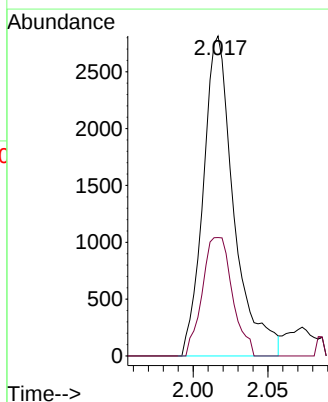
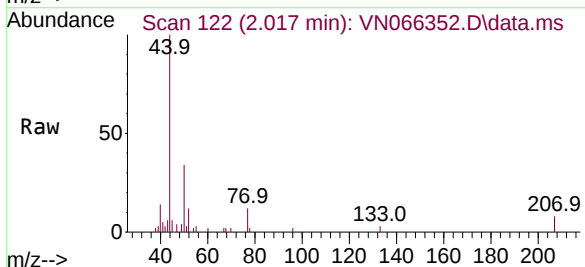
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW201D-20210320

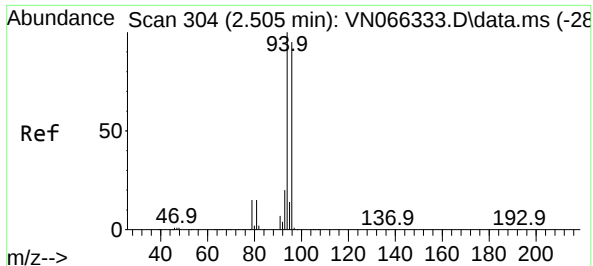
Tgt Ion:168 Resp: 449672  
Ion Ratio Lower Upper  
168 100  
99 52.4 41.1 61.7



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.017 min Scan# 122  
Delta R.T. -0.000 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

Tgt Ion: 50 Resp: 4006  
Ion Ratio Lower Upper  
50 100  
52 37.0 26.2 39.2

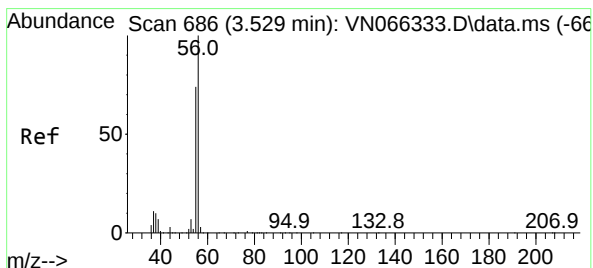
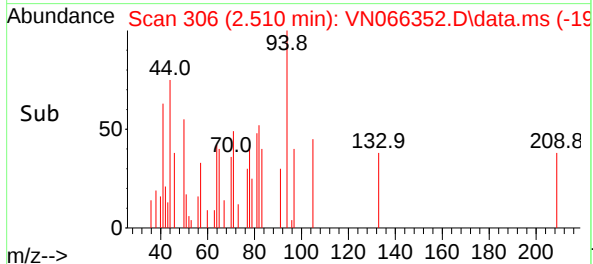
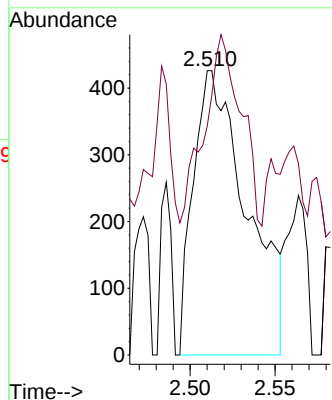
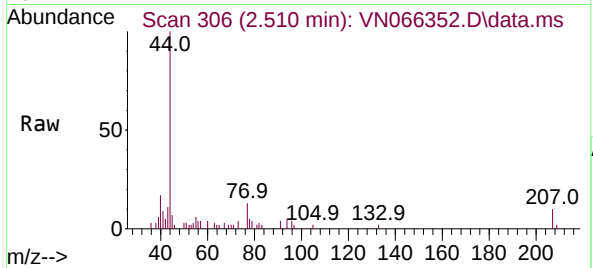




#5  
Bromomethane  
Concen: 0.21 ug/l  
RT: 2.510 min Scan# 306  
Delta R.T. 0.005 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

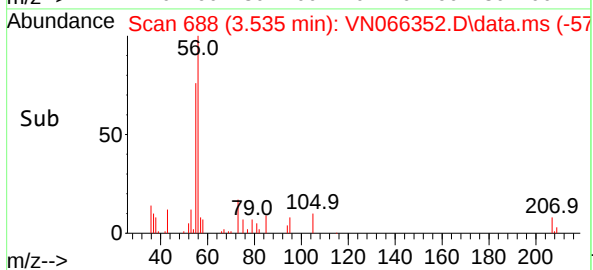
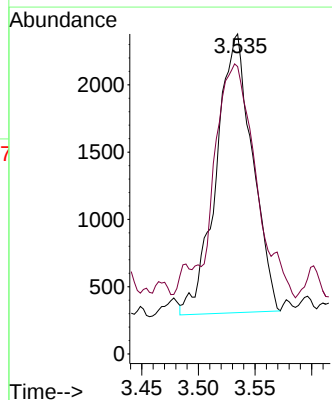
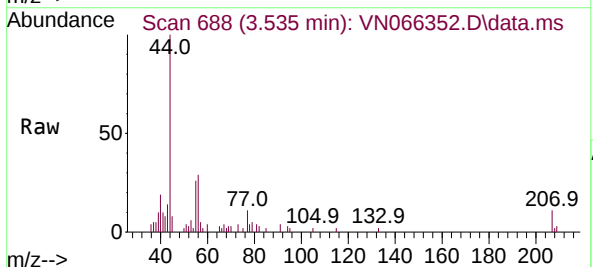
Instrument :  
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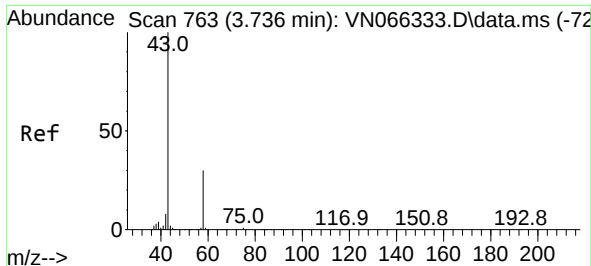
Tgt Ion: 94 Resp: 934  
Ion Ratio Lower Upper  
94 100  
96 34.0 75.8 113.6#



#13  
Acrolein  
Concen: Below Cal  
RT: 3.535 min Scan# 688  
Delta R.T. 0.006 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

Tgt Ion: 56 Resp: 4596  
Ion Ratio Lower Upper  
56 100  
55 91.6 57.9 86.9#

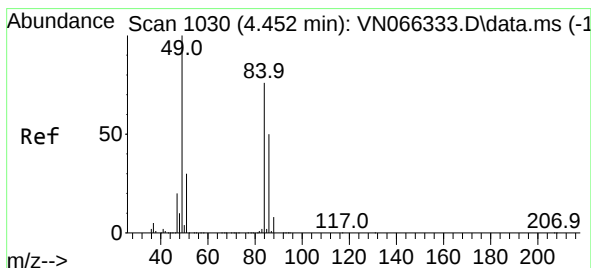
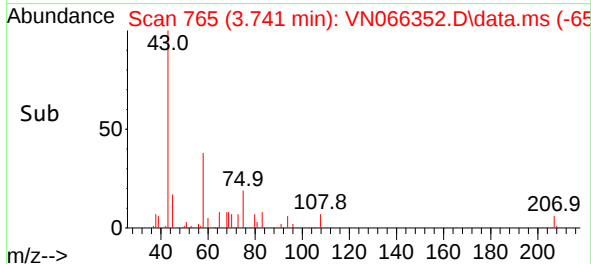
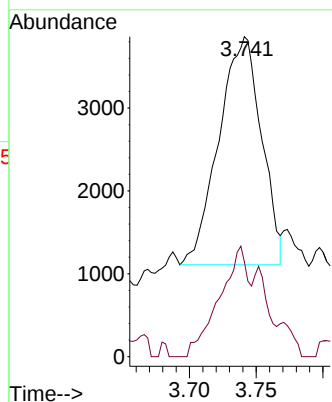
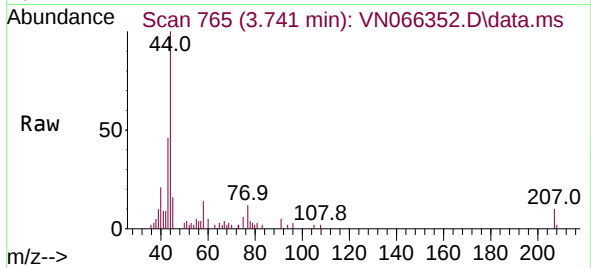




#16  
Acetone  
Concen: 1.89 ug/l  
RT: 3.741 min Scan# 765  
Delta R.T. 0.005 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

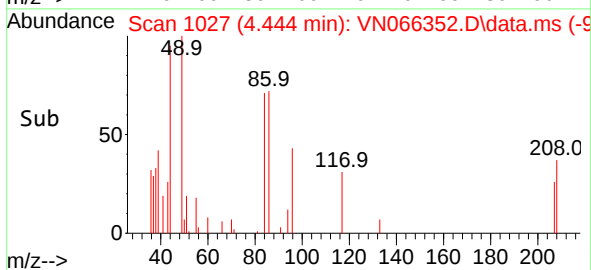
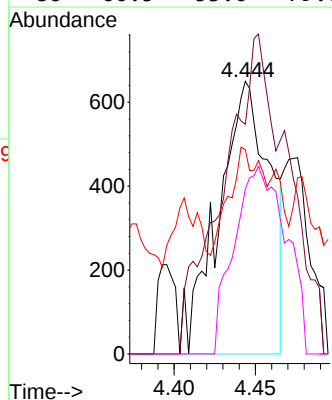
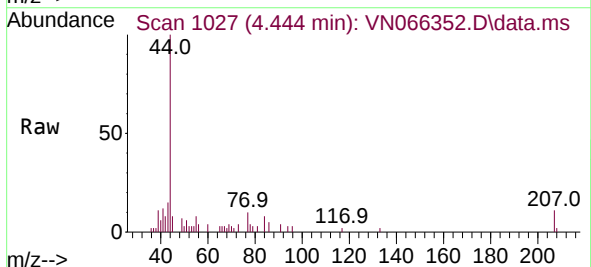
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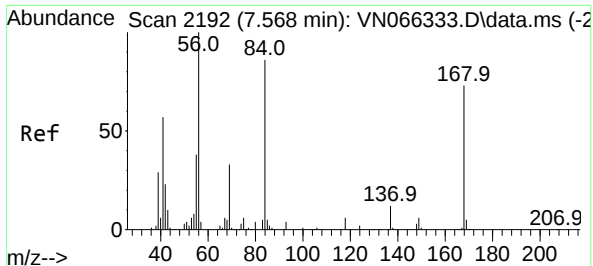
Tgt Ion: 43 Resp: 6109  
Ion Ratio Lower Upper  
43 100  
58 41.6 23.8 35.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.444 min Scan# 1027  
Delta R.T. -0.008 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

Tgt Ion: 84 Resp: 1416  
Ion Ratio Lower Upper  
84 100  
49 84.3 105.0 157.6#  
51 21.4 31.6 47.4#  
86 60.5 53.0 79.6

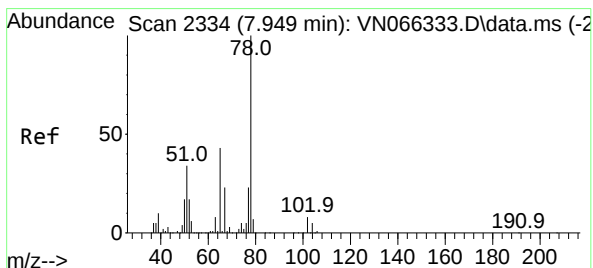
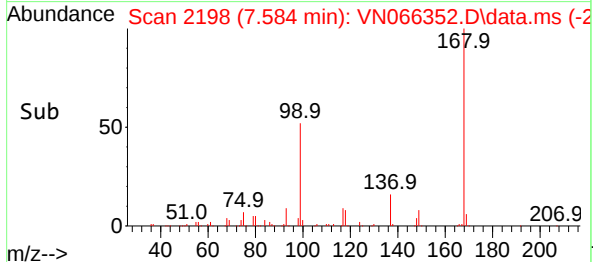
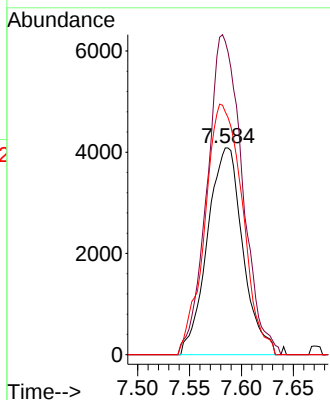
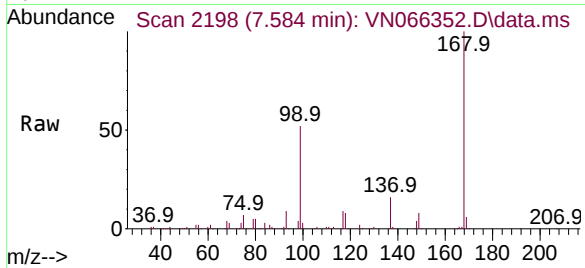




#31  
Cyclohexane  
Concen: 1.17 ug/l  
RT: 7.584 min Scan# 2198  
Delta R.T. 0.016 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

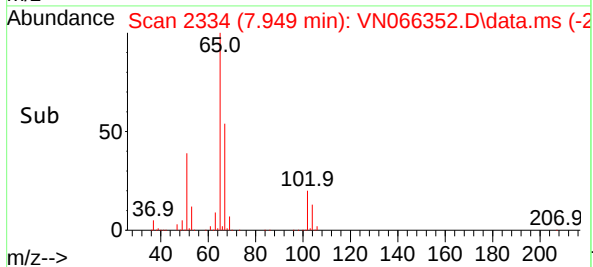
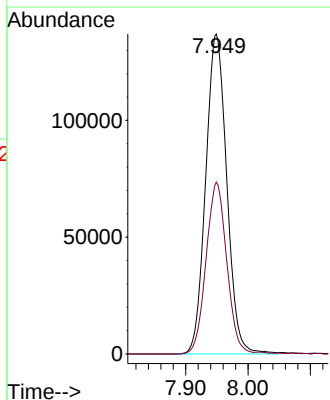
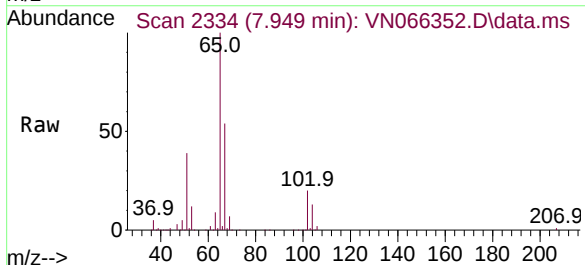
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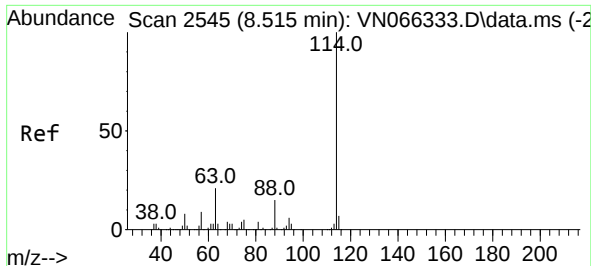
Tgt Ion: 56 Resp: 9690  
Ion Ratio Lower Upper  
56 100  
69 151.5 26.6 40.0#  
84 117.5 68.7 103.1#



#33  
1,2-Dichloroethane-d4  
Concen: 53.86 ug/l  
RT: 7.949 min Scan# 2334  
Delta R.T. 0.000 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

Tgt Ion: 65 Resp: 321984  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 105.2

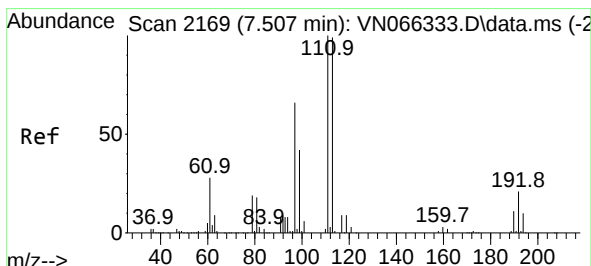
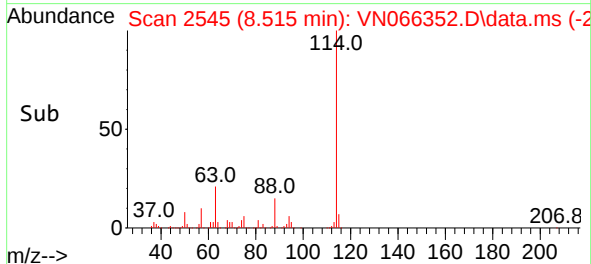
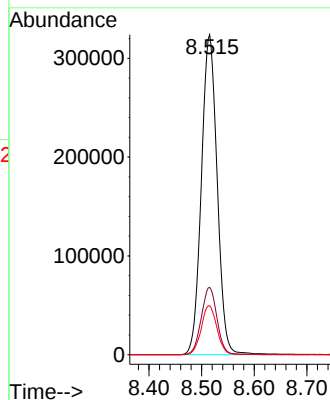
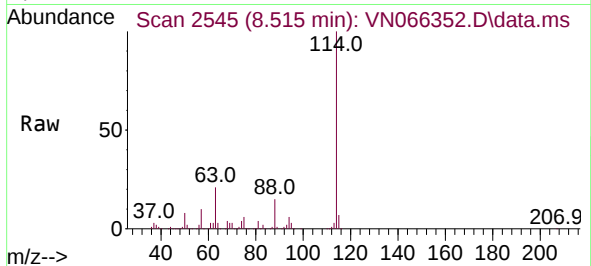




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.515 min Scan# 2545  
Delta R.T. 0.000 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

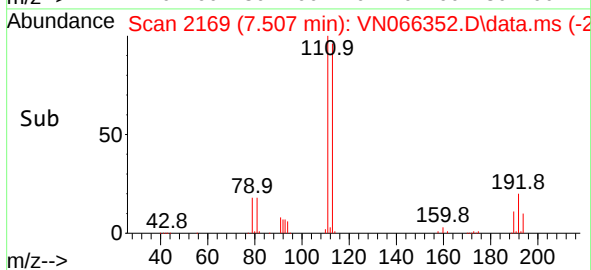
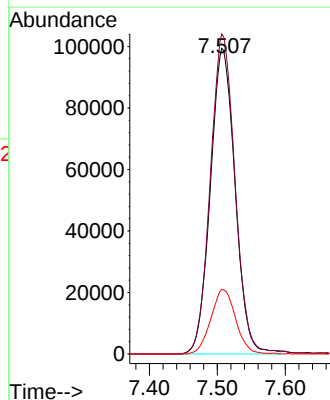
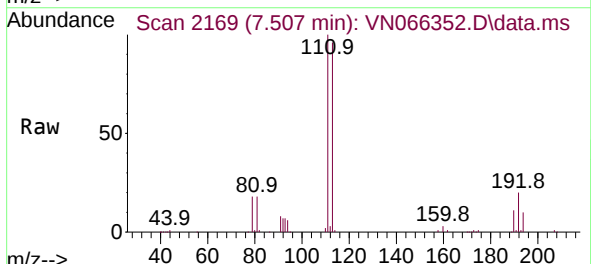
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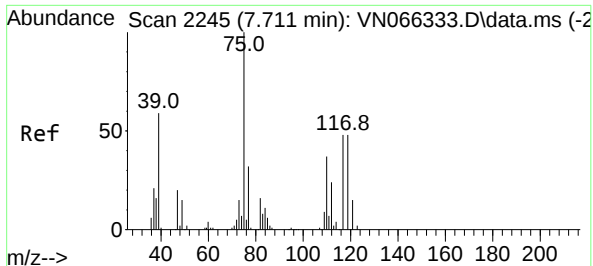
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|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 674751 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.0  | 0.0   | 42.0   |
| 88        | 15.3  | 0.0   | 31.0   |



#35  
Dibromofluoromethane  
Concen: 56.22 ug/l  
RT: 7.507 min Scan# 2169  
Delta R.T. -0.000 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 251461 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 104.5 | 81.8  | 122.8  |
| 192       | 21.2  | 17.1  | 25.7   |

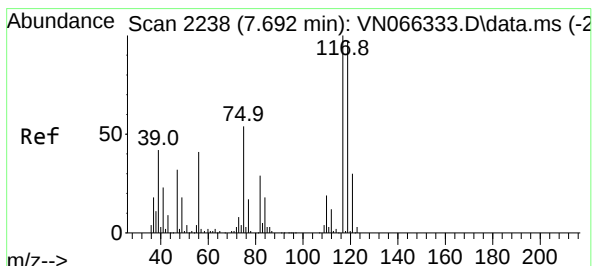
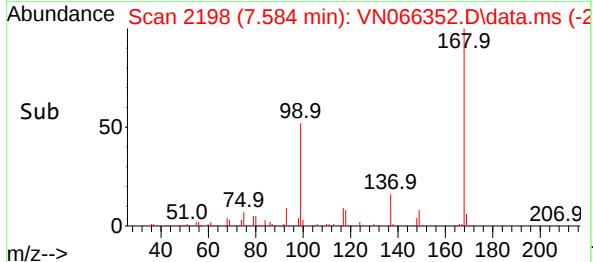
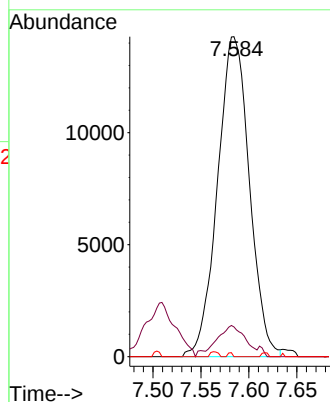
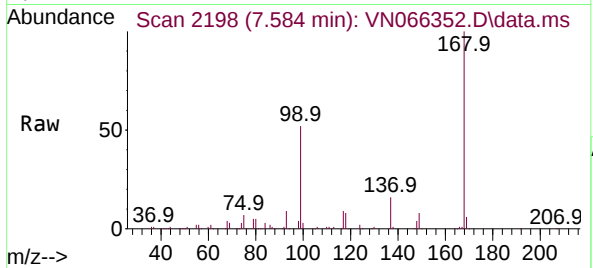




#36  
1,1-Dichloropropene  
Concen: 5.21 ug/l  
RT: 7.584 min Scan# 2198  
Delta R.T. -0.126 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

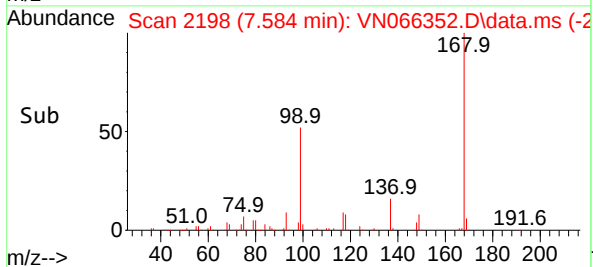
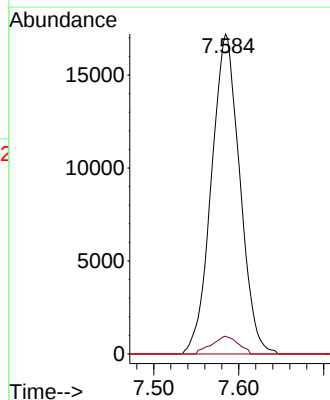
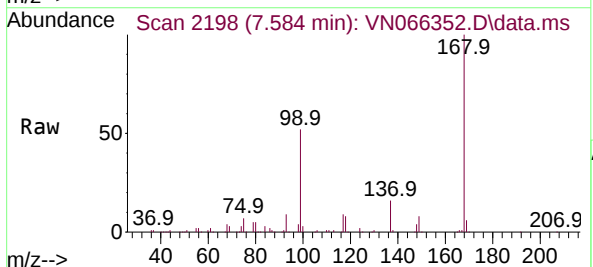
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW201D-20210320

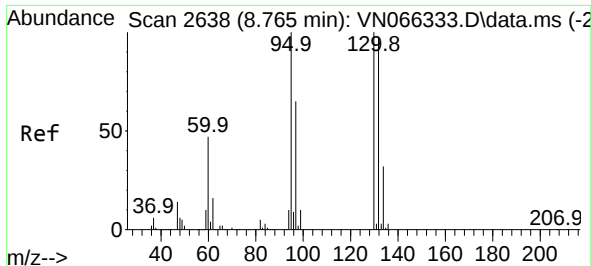
Tgt Ion: 75 Resp: 33003  
Ion Ratio Lower Upper  
75 100  
110 8.7 18.1 54.3#  
77 0.2 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 6.26 ug/l  
RT: 7.584 min Scan# 2198  
Delta R.T. -0.107 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

Tgt Ion: 117 Resp: 39876  
Ion Ratio Lower Upper  
117 100  
119 5.5 77.2 115.8#  
121 0.0 24.2 36.4#

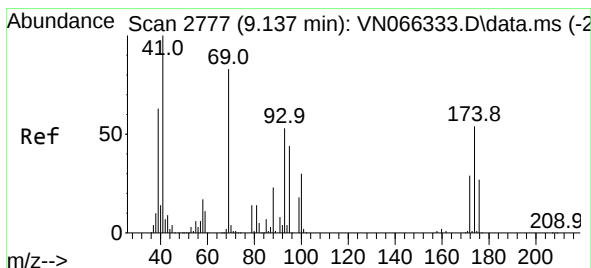
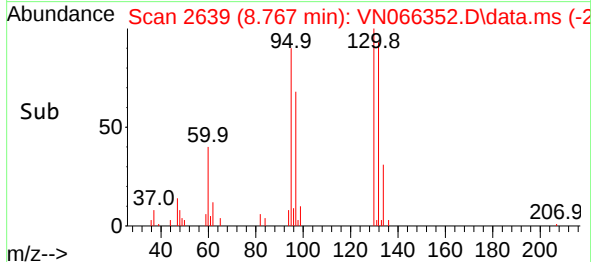
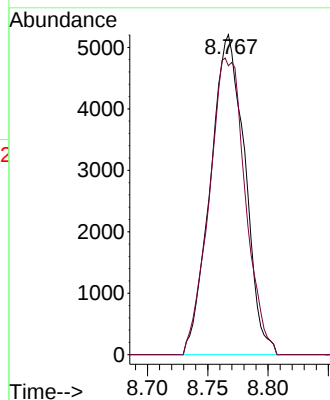
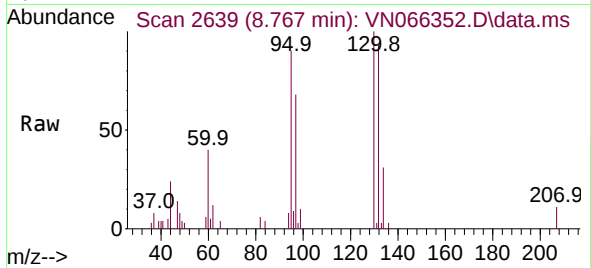




#44  
Trichloroethene  
Concen: 2.05 ug/l  
RT: 8.767 min Scan# 2639  
Delta R.T. 0.003 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

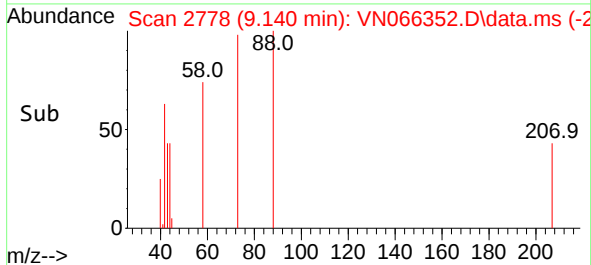
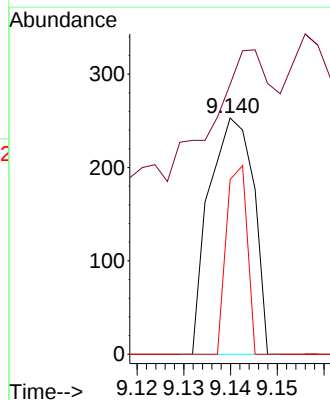
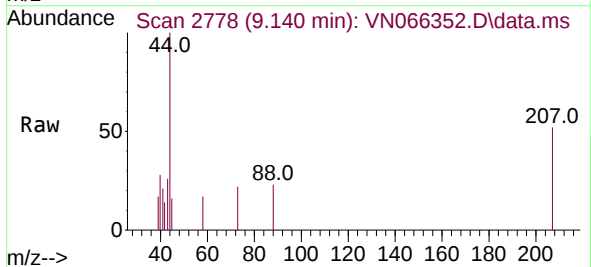
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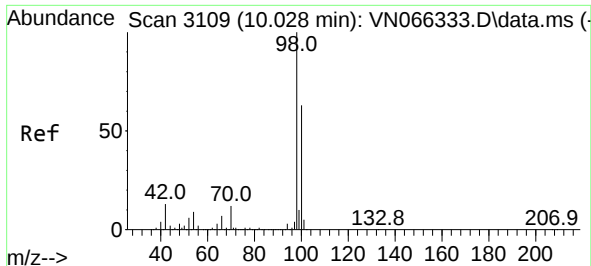
Tgt Ion:130 Resp: 10338  
Ion Ratio Lower Upper  
130 100  
95 90.3 0.0 200.6



#49  
1,4-Dioxane  
Concen: 2.34 ug/l  
RT: 9.140 min Scan# 2778  
Delta R.T. 0.003 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

Tgt Ion: 88 Resp: 167  
Ion Ratio Lower Upper  
88 100  
43 44.3 28.2 42.4#  
58 37.7 56.6 84.8#

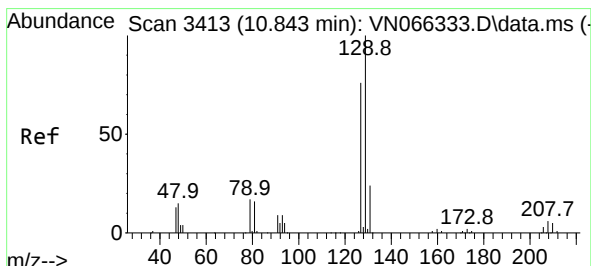
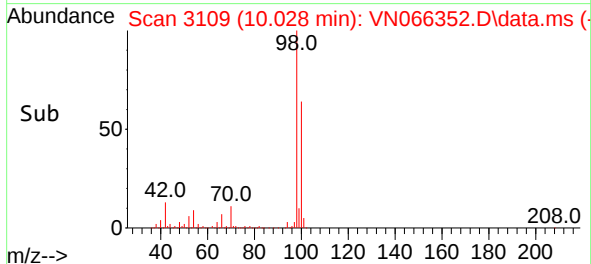
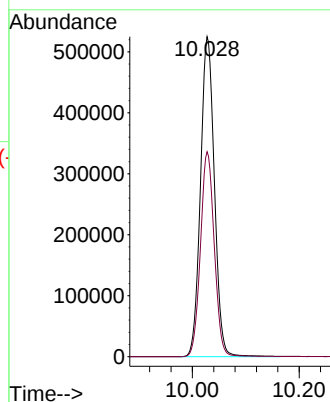
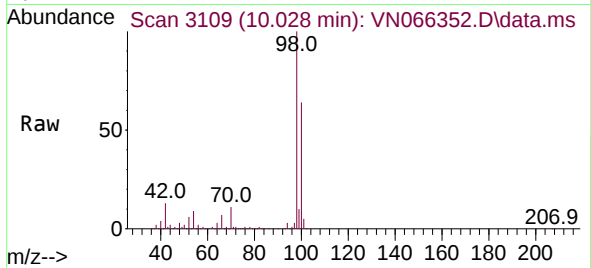




#50  
Toluene-d8  
Concen: 56.07 ug/l  
RT: 10.028 min Scan# 3109  
Delta R.T. -0.000 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

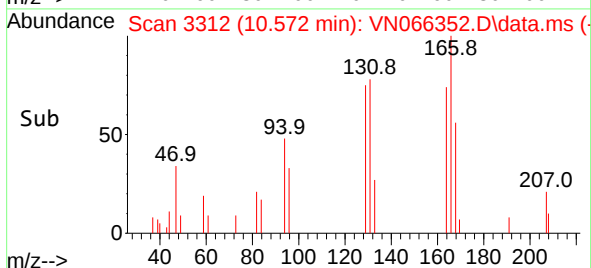
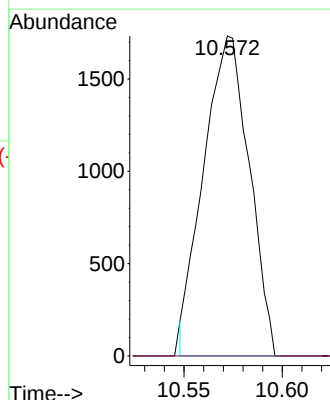
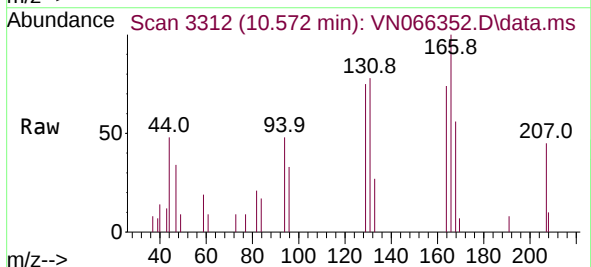
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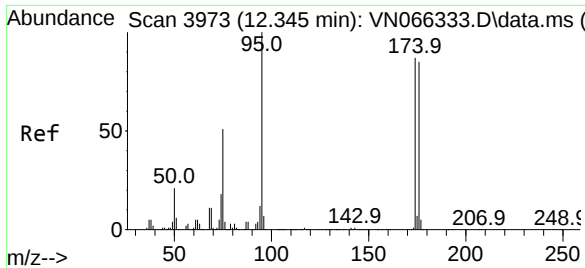
Tgt Ion: 98 Resp: 951318  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.5 75.7



#60  
Dibromochloromethane  
Concen: 0.53 ug/l  
RT: 10.572 min Scan# 3312  
Delta R.T. -0.271 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

Tgt Ion:129 Resp: 2794  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#

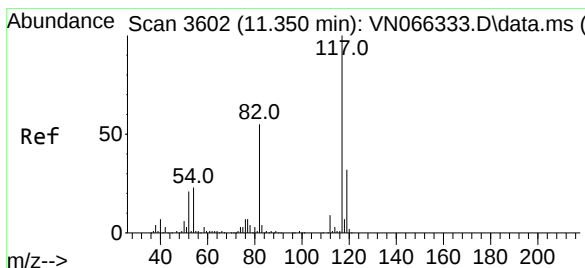
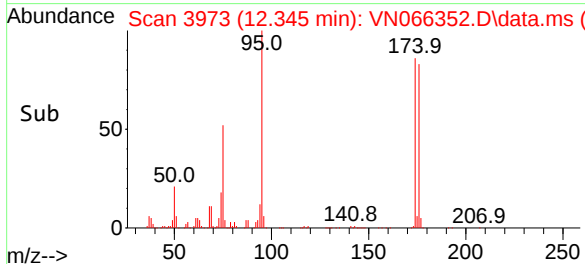
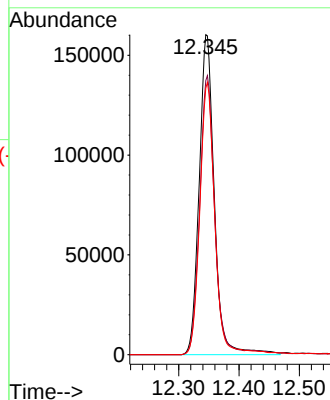
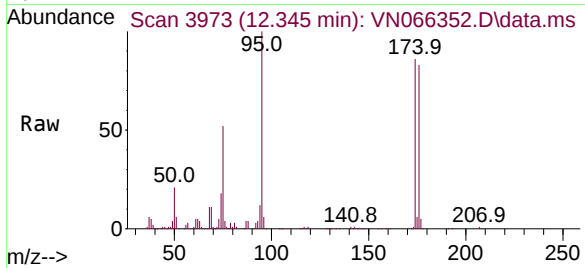




#62  
4-Bromofluorobenzene  
Concen: 47.44 ug/l  
RT: 12.345 min Scan# 3973  
Delta R.T. -0.000 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

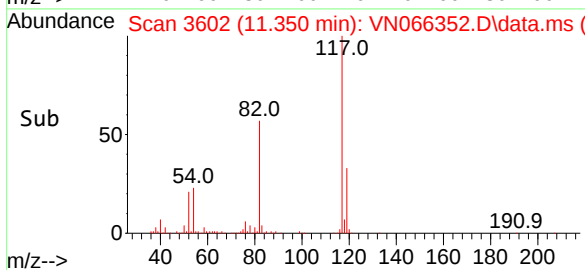
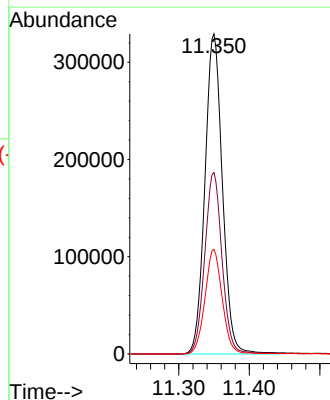
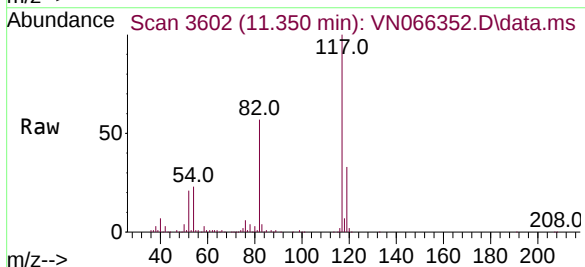
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW201D-20210320

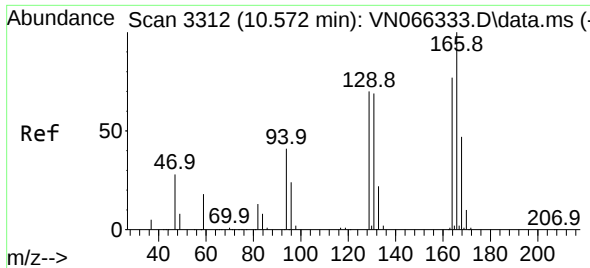
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 279600 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 85.4  | 0.0   | 172.2  |
| 176       | 84.4  | 0.0   | 167.8  |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.350 min Scan# 3602  
Delta R.T. -0.000 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

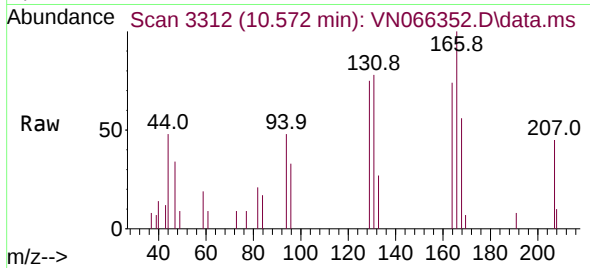
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 567142 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.7  | 44.2  | 66.4   |
| 119       | 32.7  | 25.8  | 38.6   |



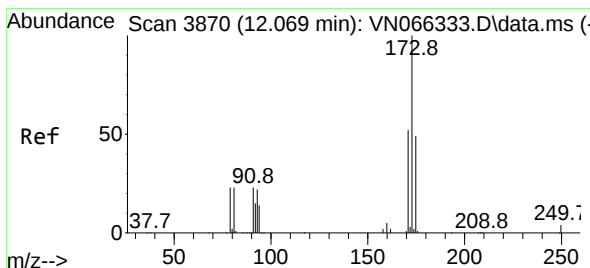
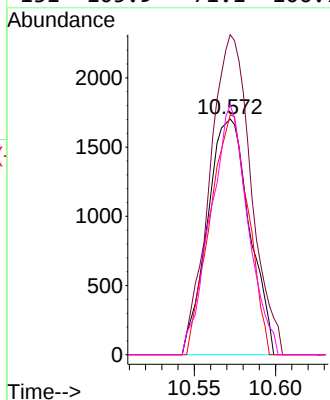
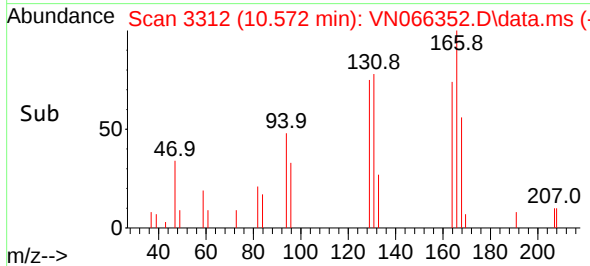


#64  
Tetrachloroethene  
Concen: 0.63 ug/l  
RT: 10.572 min Scan# 3312  
Delta R.T. -0.000 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

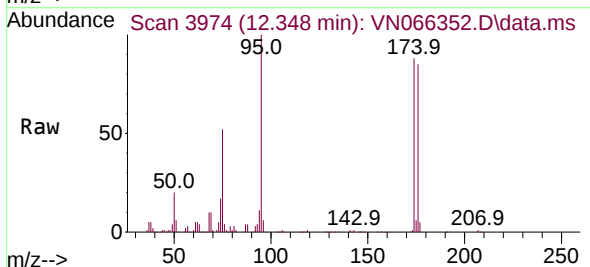
Instrument :  
MSVOA\_N  
ClientSampleId :  
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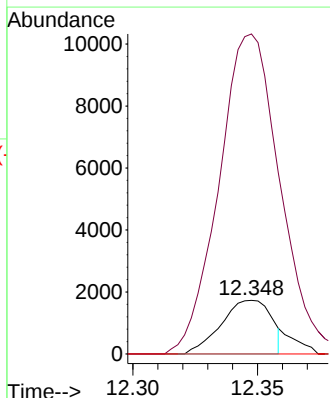
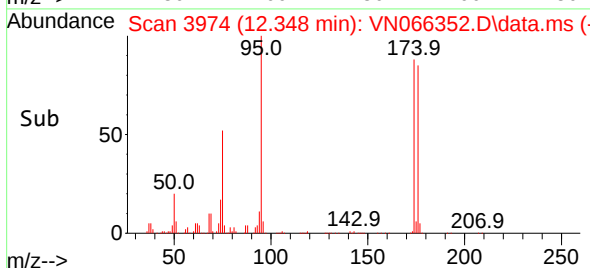
Tgt Ion:164 Resp: 3064  
Ion Ratio Lower Upper  
164 100  
166 135.8 103.3 154.9  
129 101.8 72.5 108.7  
131 105.9 71.1 106.7

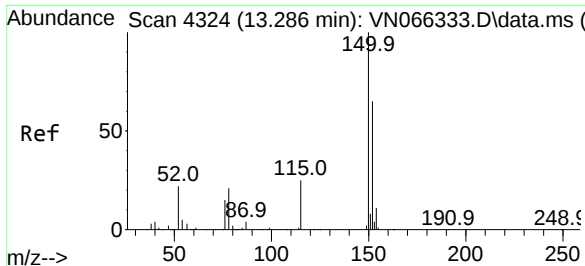


#71  
Bromoform  
Concen: 0.67 ug/l  
RT: 12.348 min Scan# 3974  
Delta R.T. 0.279 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22



Tgt Ion:173 Resp: 2434  
Ion Ratio Lower Upper  
173 100  
175 624.7 24.3 72.8#  
254 0.0 0.0 0.0

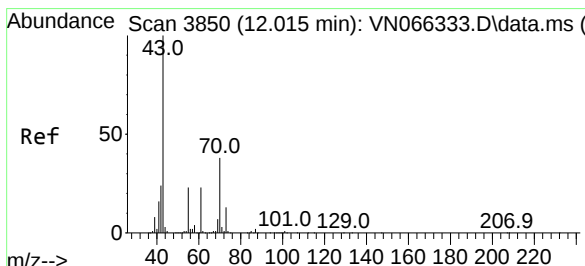
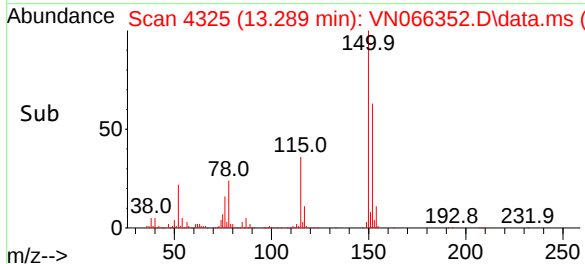
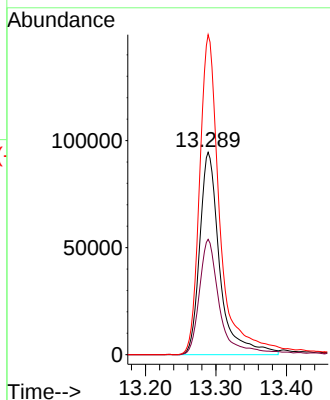
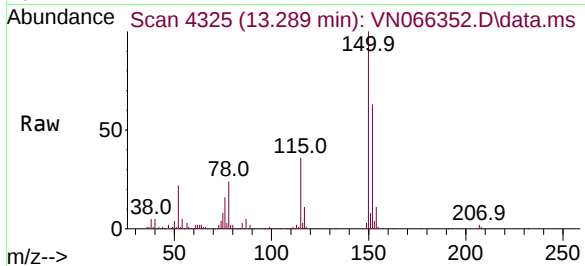




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.289 min Scan# 4325  
Delta R.T. 0.003 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

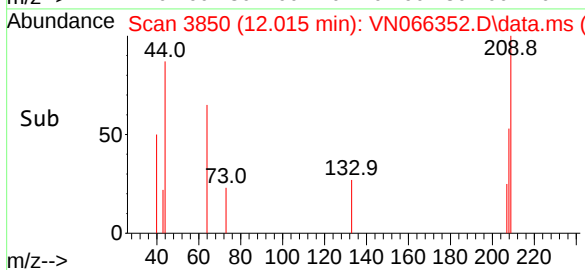
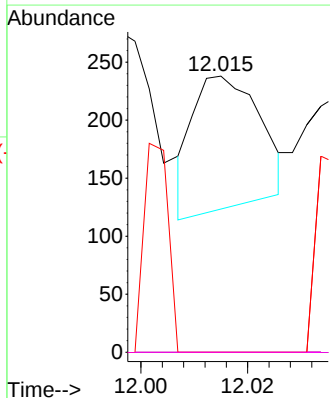
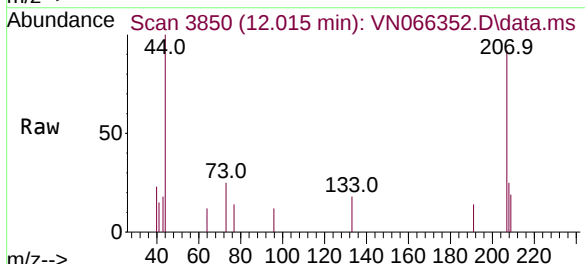
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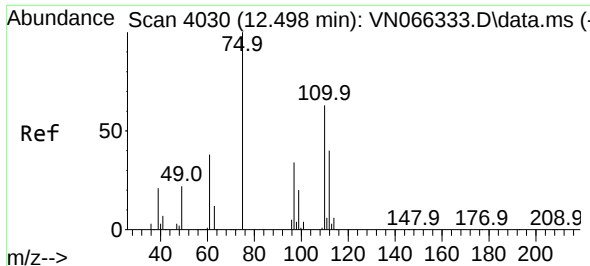
Tgt Ion:152 Resp: 187763  
Ion Ratio Lower Upper  
152 100  
115 58.0 27.8 83.4  
150 160.6 0.0 348.4



#74  
N-amy1 acetate  
Concen: 3.21 ug/l  
RT: 12.015 min Scan# 3850  
Delta R.T. -0.000 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

Tgt Ion: 43 Resp: 100  
Ion Ratio Lower Upper  
43 100  
70 0.0 31.2 46.8#  
55 0.0 18.6 28.0#  
61 0.0 18.2 27.4#

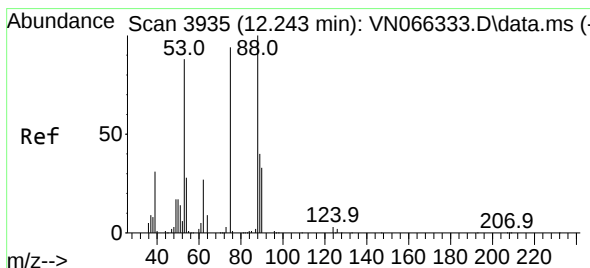
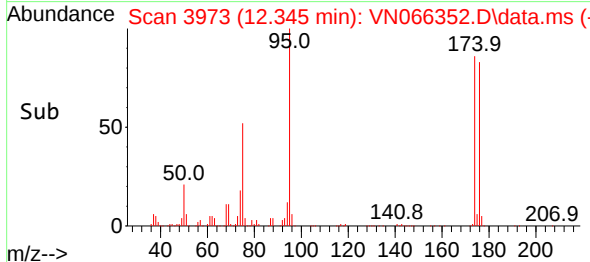
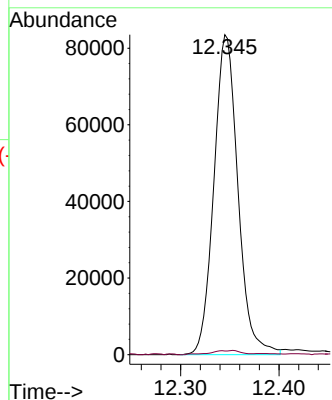
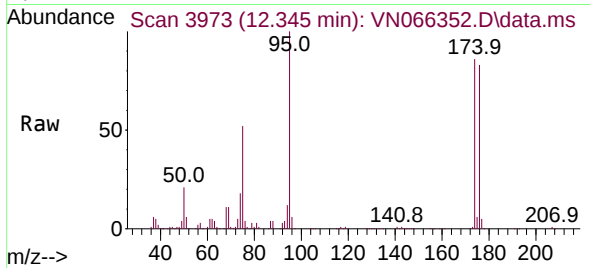




#76  
1,2,3-Trichloropropane  
Concen: 34.44 ug/l  
RT: 12.345 min Scan# 3973  
Delta R.T. -0.153 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

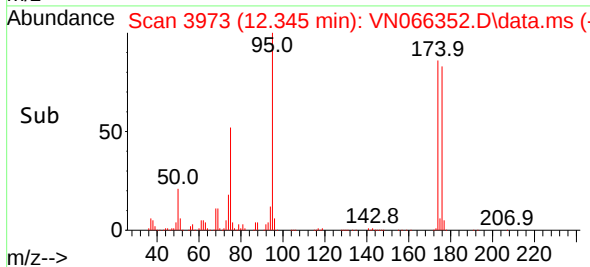
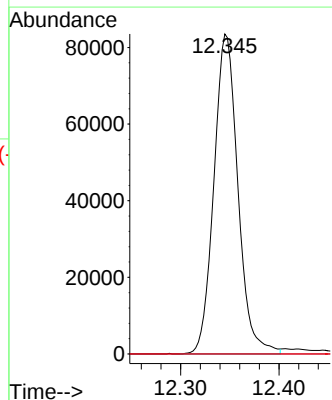
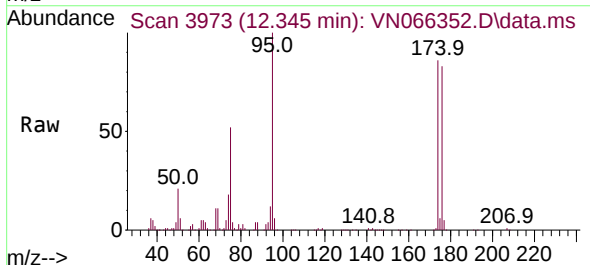
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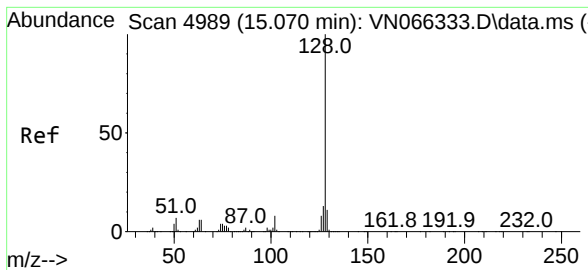
Tgt Ion: 75 Resp: 141900  
Ion Ratio Lower Upper  
75 100  
77 1.0 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 103.57 ug/l  
RT: 12.345 min Scan# 3973  
Delta R.T. 0.102 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

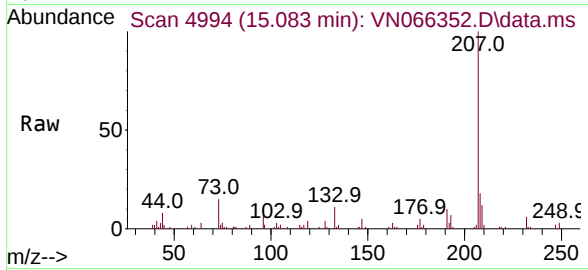
Tgt Ion: 75 Resp: 141900  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.1 114.1#  
89 0.0 35.7 53.5#





#95  
Naphthalene  
Concen: 1.17 ug/l  
RT: 15.083 min Scan# 4994  
Delta R.T. 0.013 min  
Lab File: VN066352.D  
Acq: 26 Mar 2021 16:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1330  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.5  | 15.7# |
| 129      | 5.9   | 8.5   | 12.7# |

