

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092421\  
 Data File : VN068645.D  
 Acq On : 24 Sep 2021 17:52  
 Operator : JC/MD  
 Sample : M3911-16  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P287-DITCH

Quant Time: Sep 24 18:20:46 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

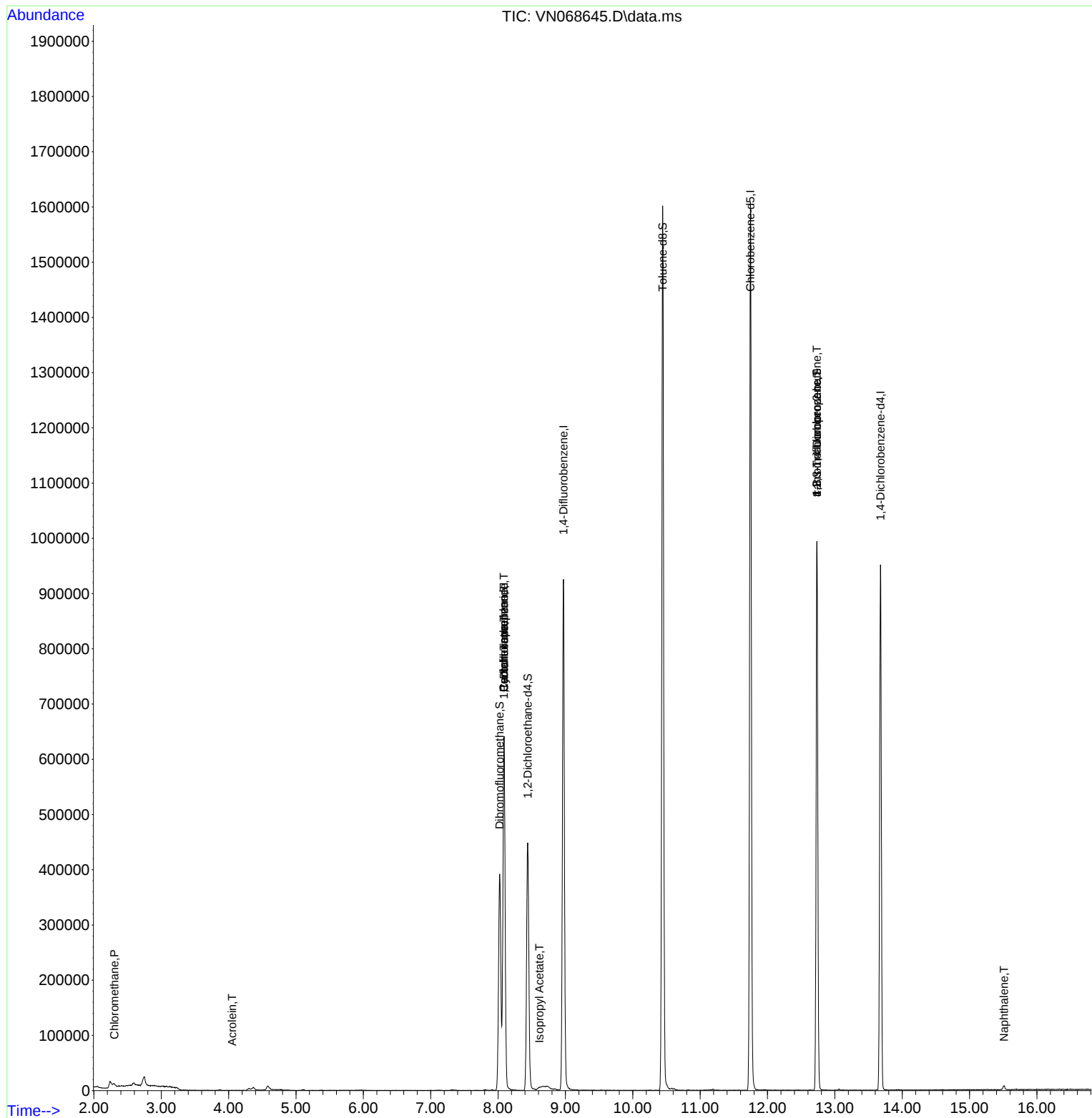
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.088  | 168   | 480944   | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.971  | 114   | 782484   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.747 | 117   | 891423   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.678 | 152   | 251009   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440  | 65    | 373948   | 49.824    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 99.640%  |
| 35) Dibromofluoromethane      | 8.024  | 113   | 279991   | 53.513    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 107.020% |
| 50) Toluene-d8                | 10.443 | 98    | 1119178  | 50.432    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 100.860% |
| 62) 4-Bromofluorobenzene      | 12.734 | 95    | 327110   | 43.099    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 86.200%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.303  | 50    | 1879     | 0.222     | ug/l   | 90       |
| 5) Bromomethane               | 2.856  | 94    | 280      | Below Cal | #      | 64       |
| 6) Chloroethane               | 2.985  | 64    | 586      | Below Cal |        | 97       |
| 13) Acrolein                  | 4.052  | 56    | 207      | 7.380     | ug/l   | # 14     |
| 16) Acetone                   | 4.301  | 43    | 6674     | Below Cal |        | 99       |
| 20) Methylene Chloride        | 5.111  | 84    | 68       | Below Cal | #      | 21       |
| 31) Cyclohexane               | 8.088  | 56    | 11768    | 1.117     | ug/l   | # 18     |
| 36) 1,1-Dichloropropene       | 8.086  | 75    | 38422    | 4.862     | ug/l   | # 46     |
| 38) Carbon Tetrachloride      | 8.088  | 117   | 48181    | 5.903     | ug/l   | # 17     |
| 43) Isopropyl Acetate         | 8.614  | 43    | 3919     | 0.255     | ug/l   | # 58     |
| 76) 1,2,3-Trichloropropane    | 12.734 | 75    | 184747   | 29.767    | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.734 | 75    | 184747   | 84.085    | ug/l   | # 6      |
| 95) Naphthalene               | 15.509 | 128   | 7158     | 2.170     | ug/l   | # 93     |
| -----                         |        |       |          |           |        |          |

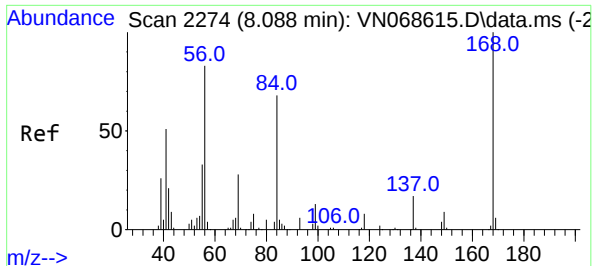
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M3911-16  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

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

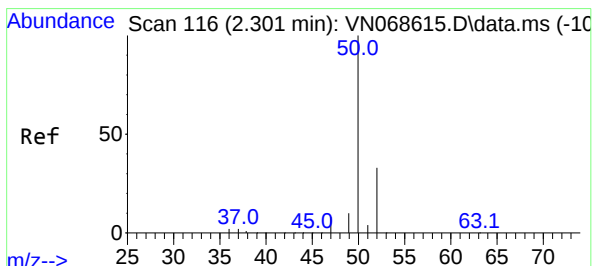
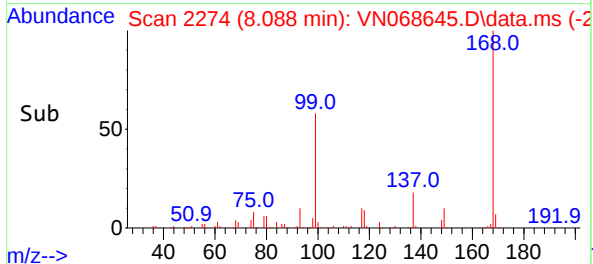
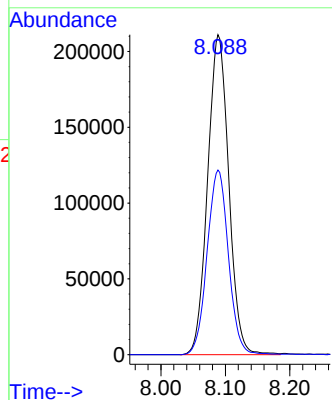
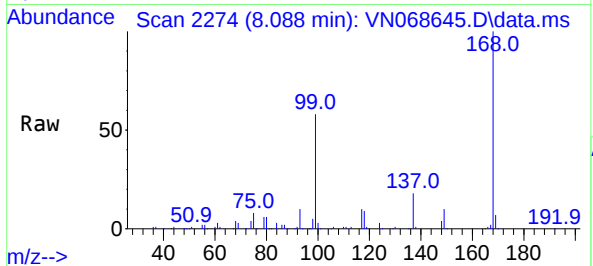




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

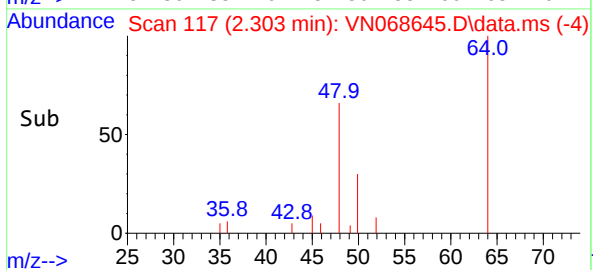
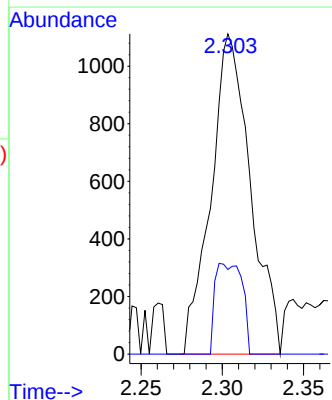
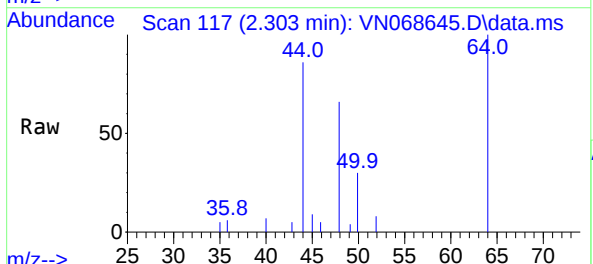
Instrument :  
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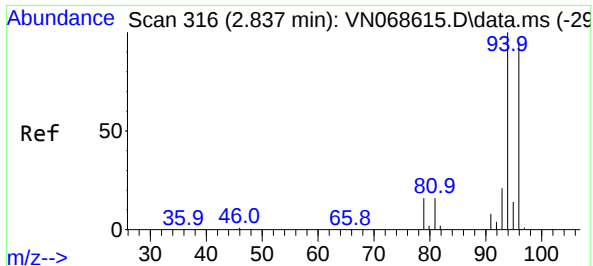
Tgt Ion:168 Resp: 480944  
Ion Ratio Lower Upper  
168 100  
99 57.7 62.9 94.3#



#3  
Chloromethane  
Concen: 0.222 ug/l  
RT: 2.303 min Scan# 117  
Delta R.T. 0.002 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

Tgt Ion: 50 Resp: 1879  
Ion Ratio Lower Upper  
50 100  
52 26.4 25.6 38.4

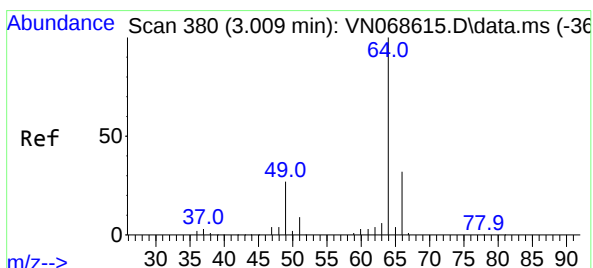
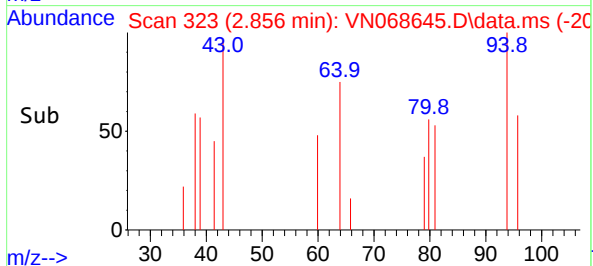
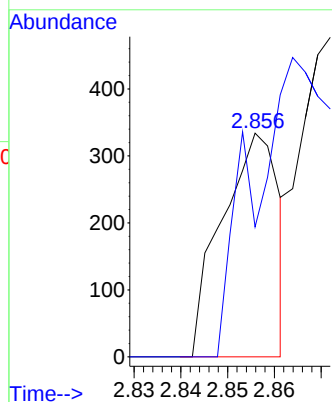
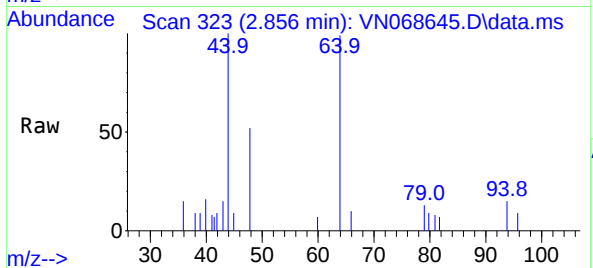




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.856 min Scan# 323  
Delta R.T. 0.019 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

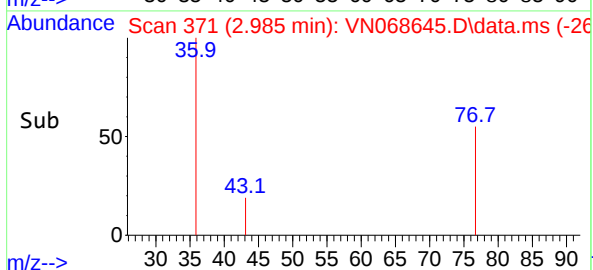
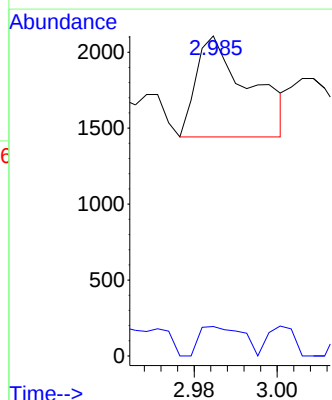
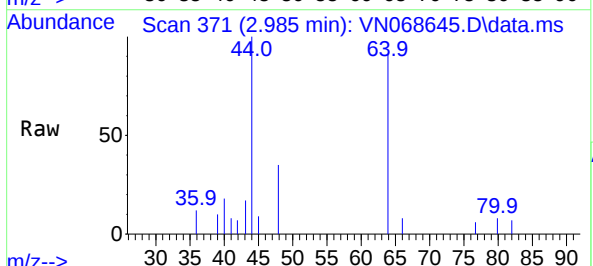
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ClientSampleId :  
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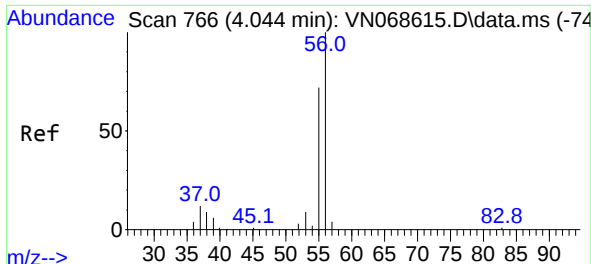
Tgt Ion: 94 Resp: 280  
Ion Ratio Lower Upper  
94 100  
96 58.1 73.7 110.5#



#6  
Chloroethane  
Concen: Below Cal  
RT: 2.985 min Scan# 371  
Delta R.T. -0.024 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

Tgt Ion: 64 Resp: 586  
Ion Ratio Lower Upper  
64 100  
66 29.2 24.7 37.1

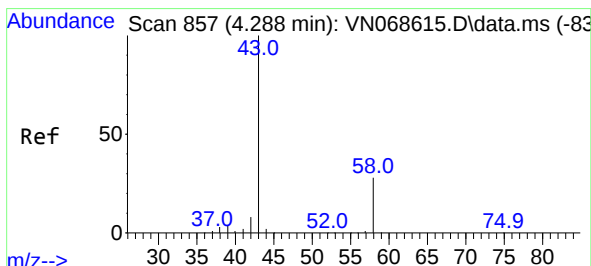
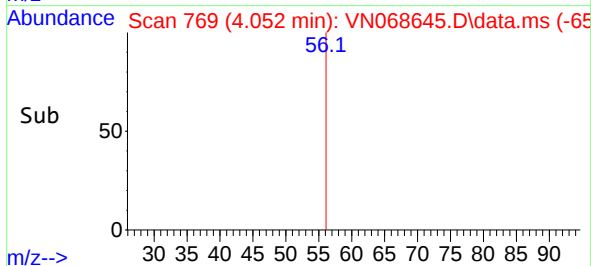
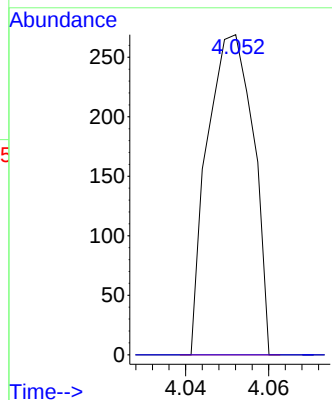
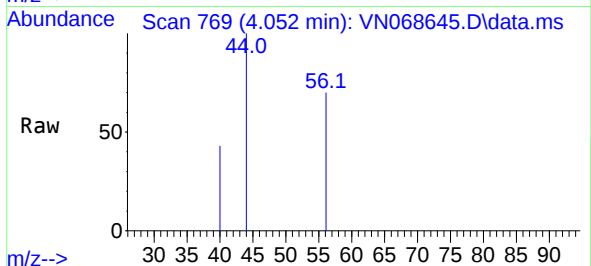




#13  
Acrolein  
Concen: 7.380 ug/l  
RT: 4.052 min Scan# 769  
Delta R.T. 0.008 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

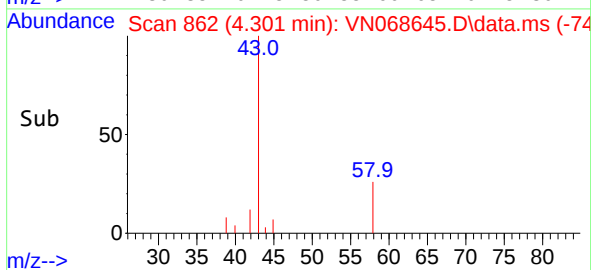
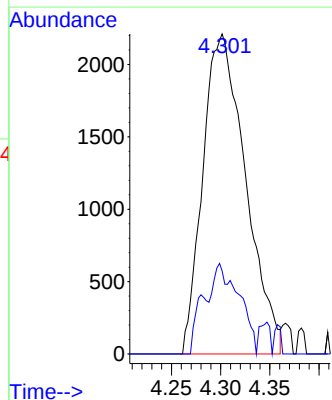
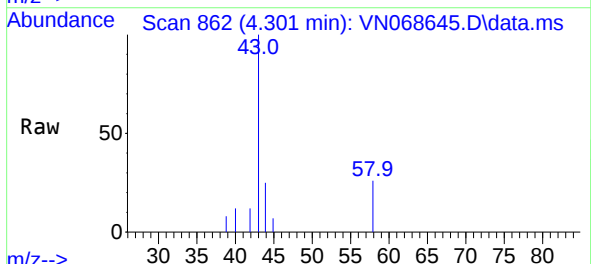
Instrument :  
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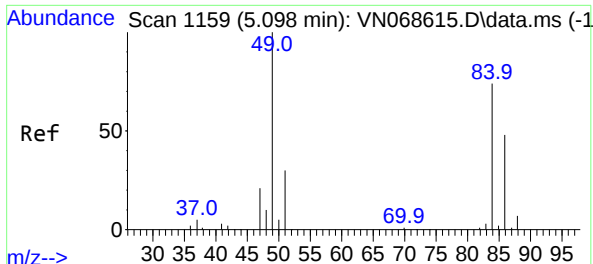
Tgt Ion: 56 Resp: 207  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.4 86.0#



#16  
Acetone  
Concen: Below Cal  
RT: 4.301 min Scan# 862  
Delta R.T. 0.013 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

Tgt Ion: 43 Resp: 6674  
Ion Ratio Lower Upper  
43 100  
58 26.0 21.2 31.8



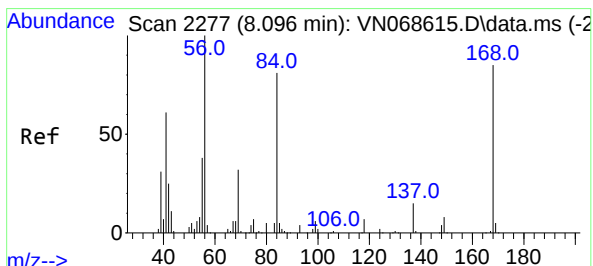
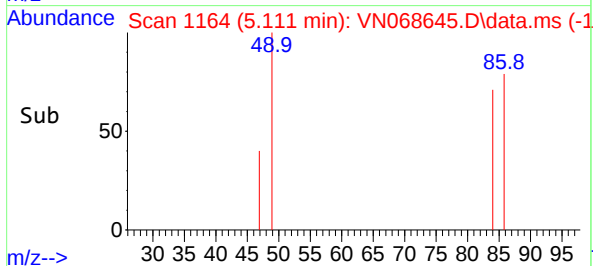
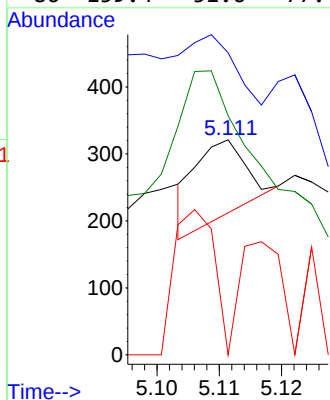
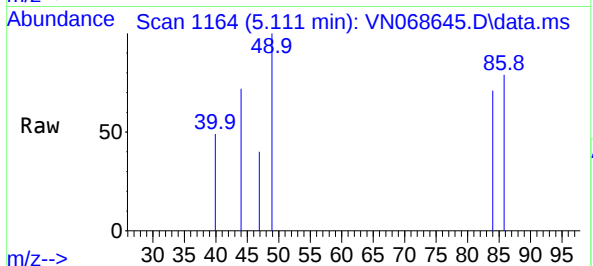


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.111 min Scan# 1164  
Delta R.T. 0.013 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
P287-DITCH

Tgt Ion: 84 Resp: 68

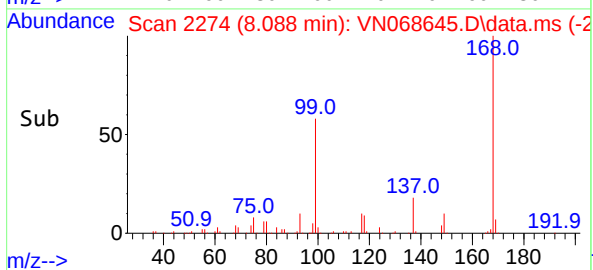
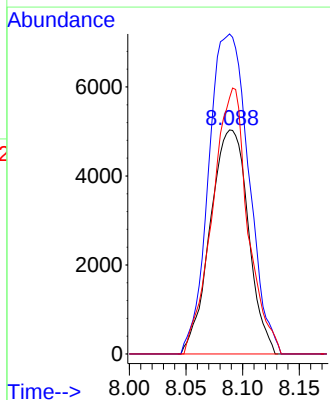
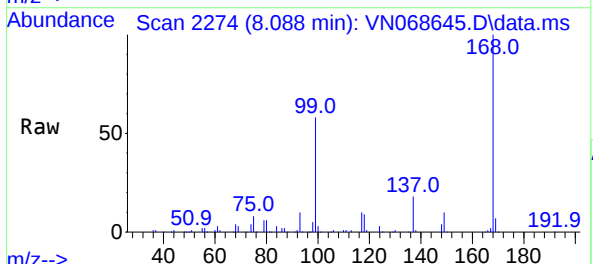
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 62.3  | 110.9 | 166.3# |
| 51  | 0.0   | 32.6  | 49.0#  |
| 86  | 159.4 | 51.6  | 77.4#  |

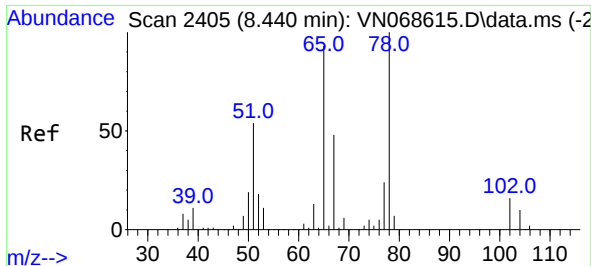


#31  
Cyclohexane  
Concen: 1.117 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.008 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

Tgt Ion: 56 Resp: 11768

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 142.8 | 27.3  | 40.9# |
| 84  | 114.4 | 64.9  | 97.3# |

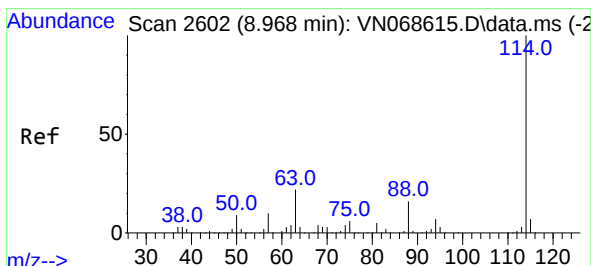
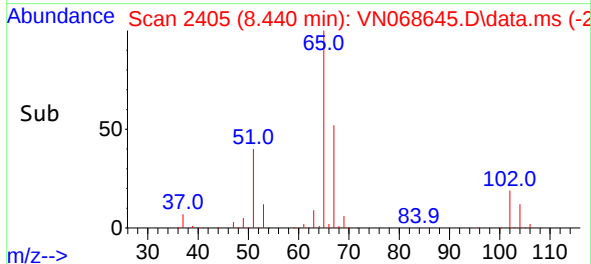
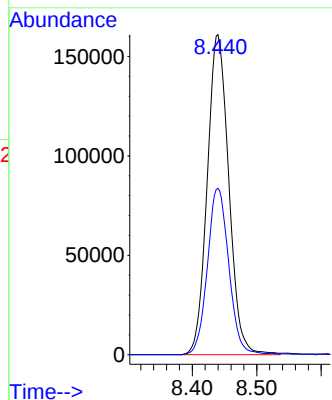
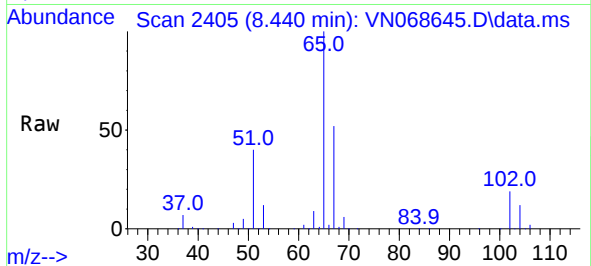




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.824 ug/l  
 RT: 8.440 min Scan# 2405  
 Delta R.T. -0.000 min  
 Lab File: VN068645.D  
 Acq: 24 Sep 2021 17:52

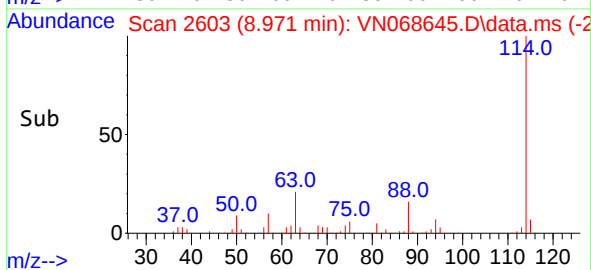
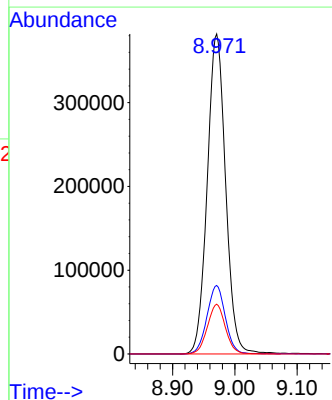
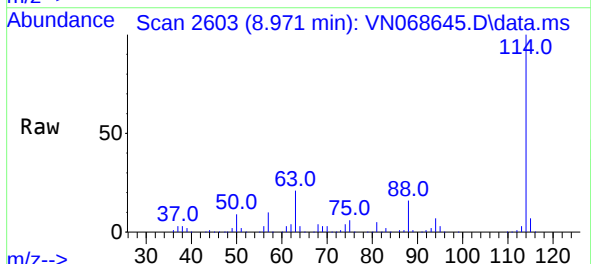
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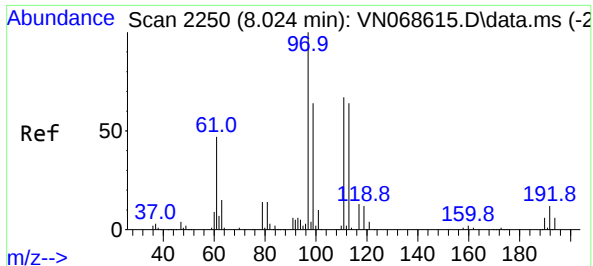
Tgt Ion: 65 Resp: 373948  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 98.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.971 min Scan# 2603  
 Delta R.T. 0.003 min  
 Lab File: VN068645.D  
 Acq: 24 Sep 2021 17:52

Tgt Ion: 114 Resp: 782484  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 0.0 49.0  
 88 15.5 0.0 36.6

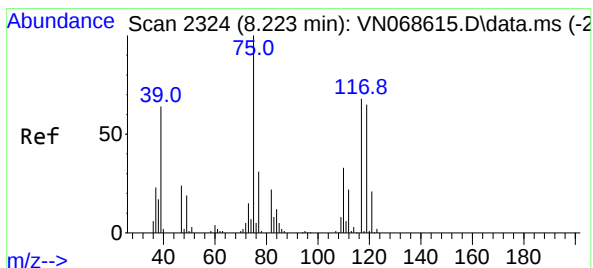
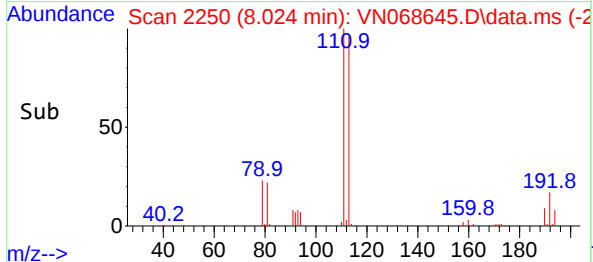
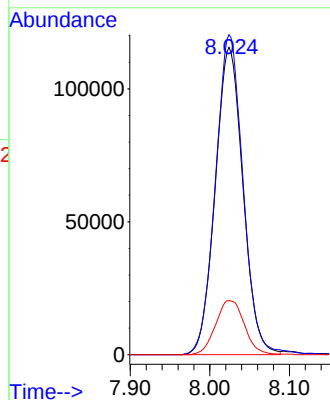
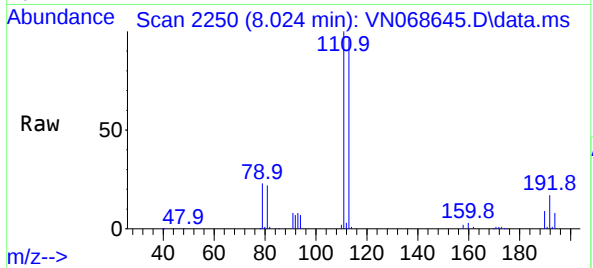




#35  
Dibromofluoromethane  
Concen: 53.513 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

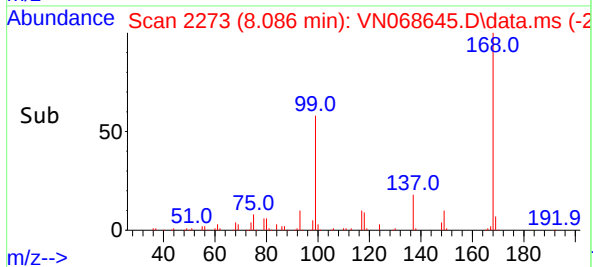
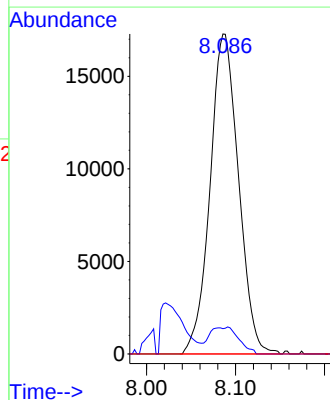
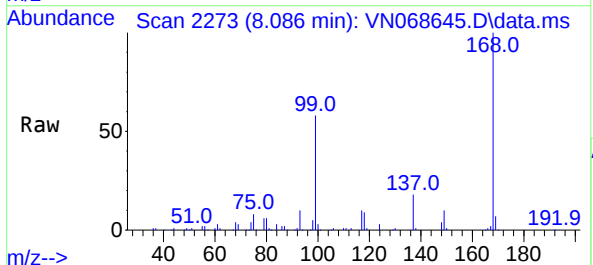
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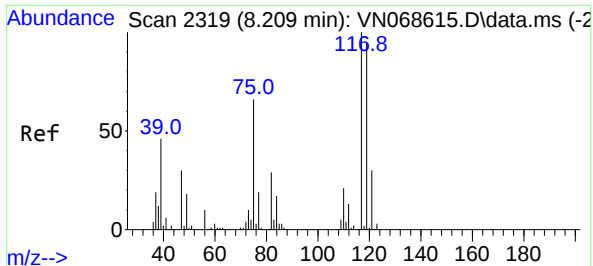
Tgt Ion:113 Resp: 279991  
Ion Ratio Lower Upper  
113 100  
111 103.9 83.8 125.8  
192 18.3 13.4 20.0



#36  
1,1-Dichloropropene  
Concen: 4.862 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.137 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

Tgt Ion: 75 Resp: 38422  
Ion Ratio Lower Upper  
75 100  
110 2.2 15.7 47.0#  
77 0.0 24.6 37.0#

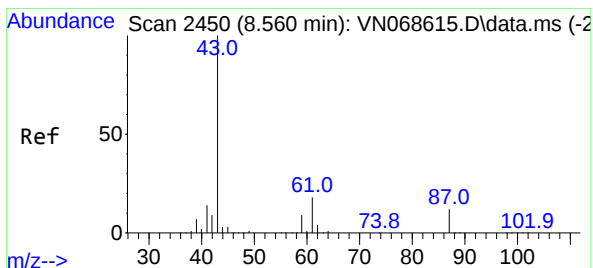
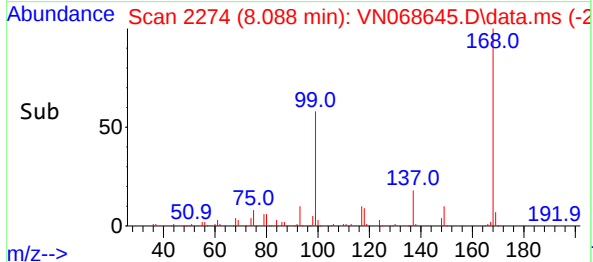
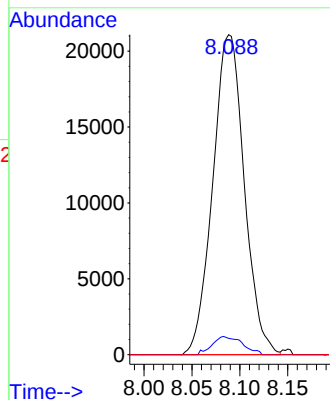
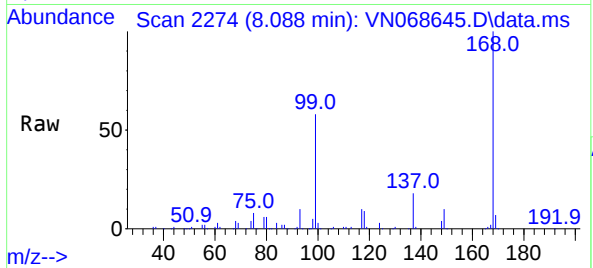




#38  
Carbon Tetrachloride  
Concen: 5.903 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.121 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

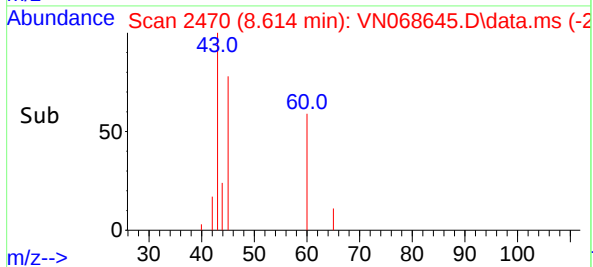
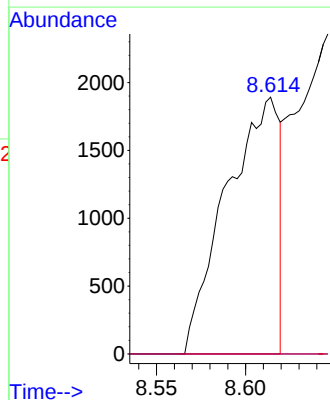
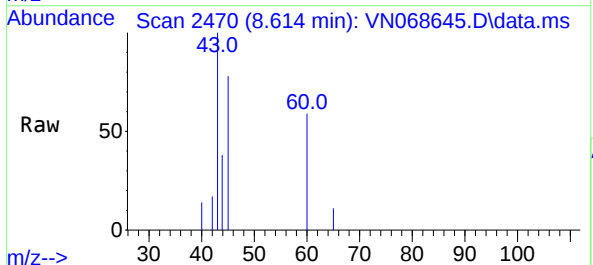
Instrument :  
MSVOA\_N  
ClientSampled :  
P287-DITCH

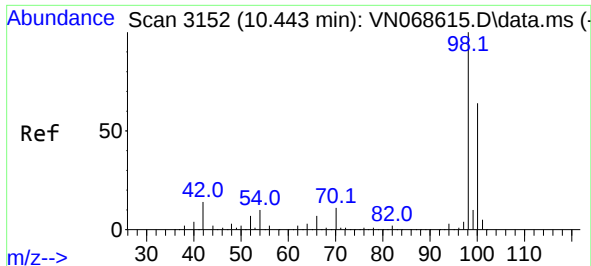
Tgt Ion:117 Resp: 48181  
Ion Ratio Lower Upper  
117 100  
119 5.1 75.4 113.2#  
121 0.0 23.5 35.3#



#43  
Isopropyl Acetate  
Concen: 0.255 ug/l  
RT: 8.614 min Scan# 2470  
Delta R.T. 0.054 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

Tgt Ion: 43 Resp: 3919  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.0 28.4#  
87 0.0 9.5 14.3#

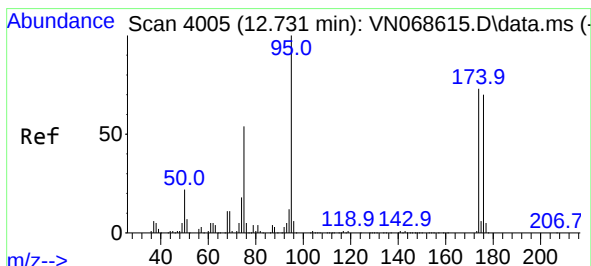
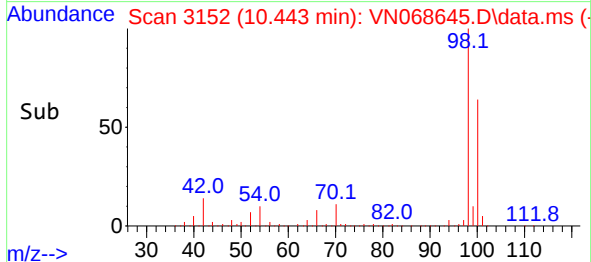
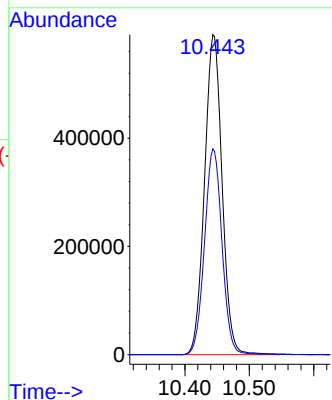
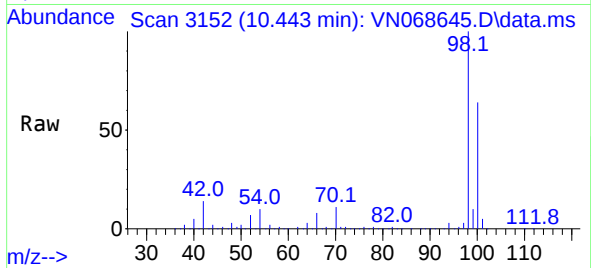




#50  
Toluene-d8  
Concen: 50.432 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

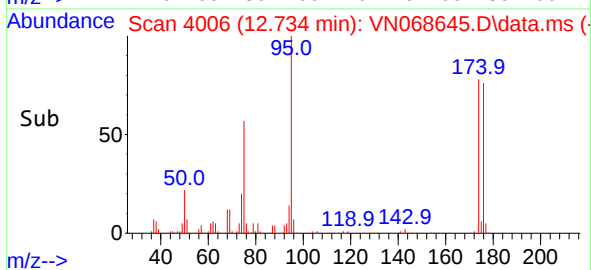
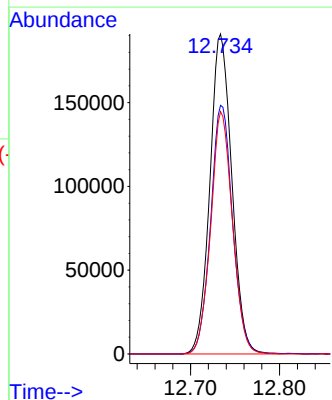
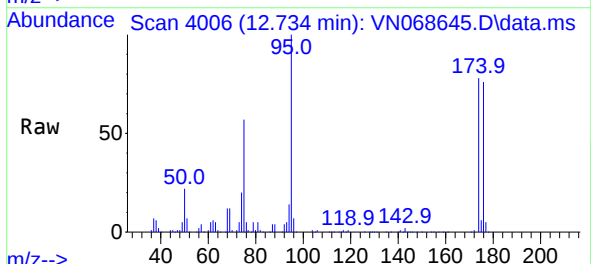
Instrument :  
MSVOA\_N  
ClientSampleId :  
P287-DITCH

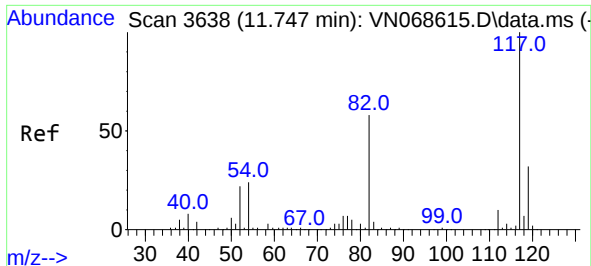
Tgt Ion: 98 Resp: 1119178  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 43.099 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.003 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

Tgt Ion: 95 Resp: 327110  
Ion Ratio Lower Upper  
95 100  
174 77.9 0.0 122.0  
176 74.9 0.0 117.6

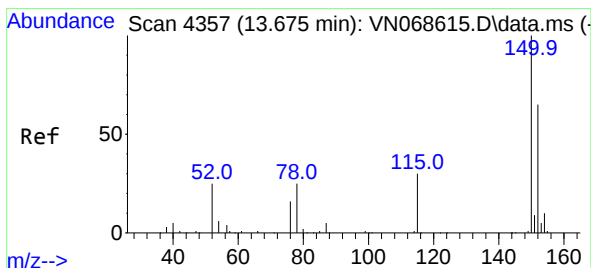
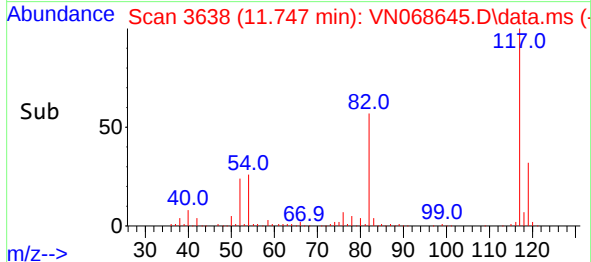
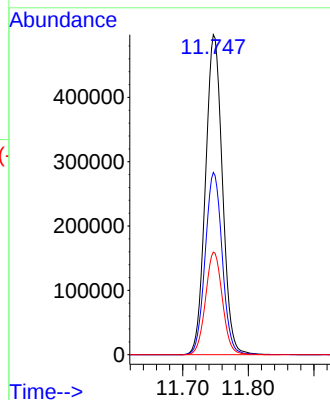
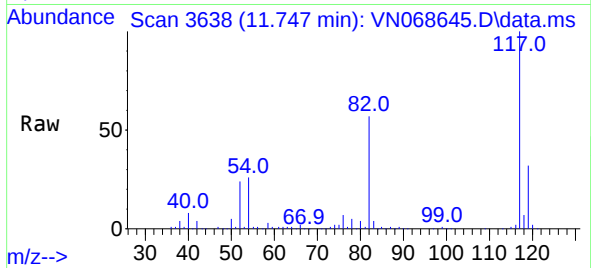




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

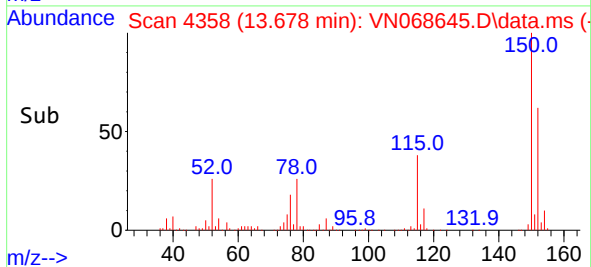
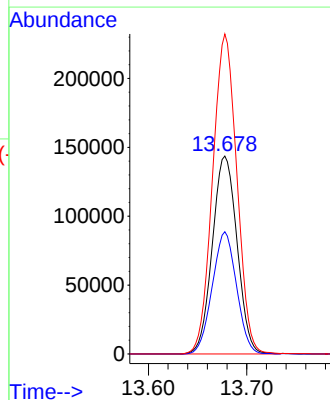
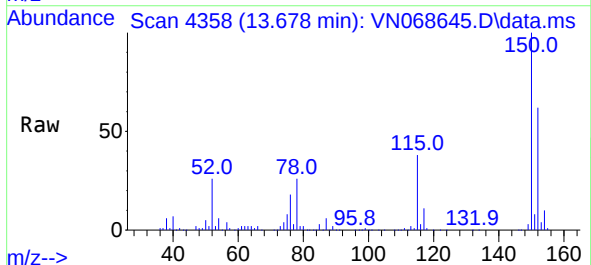
Instrument :  
MSVOA\_N  
ClientSampleId :  
P287-DITCH

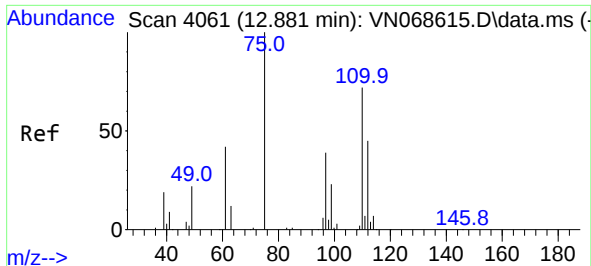
Tgt Ion:117 Resp: 891423  
Ion Ratio Lower Upper  
117 100  
82 56.9 53.1 79.7  
119 32.1 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

Tgt Ion:152 Resp: 251009  
Ion Ratio Lower Upper  
152 100  
115 60.6 36.1 108.5  
150 158.6 0.0 351.8

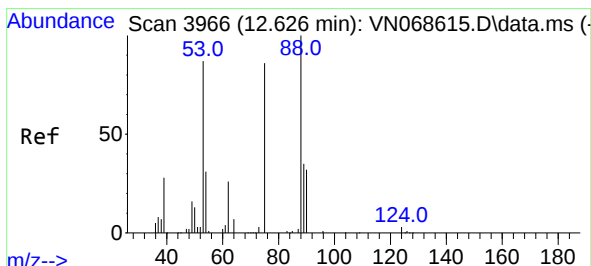
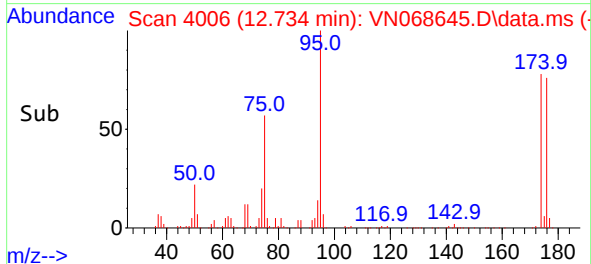
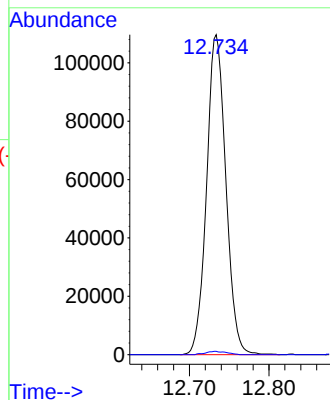
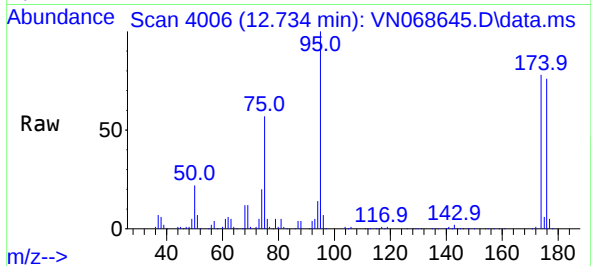




#76  
1,2,3-Trichloropropane  
Concen: 29.767 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.147 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

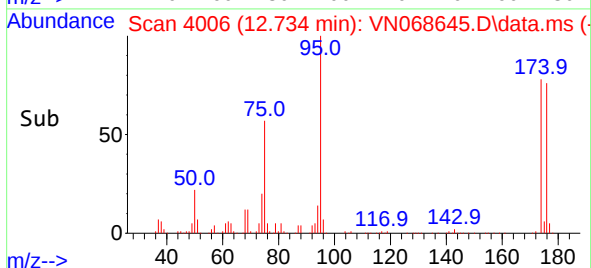
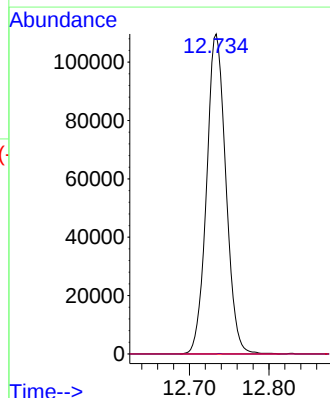
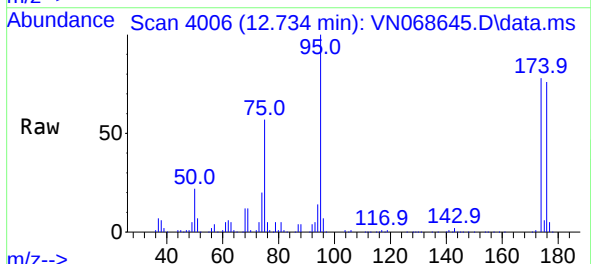
Instrument :  
MSVOA\_N  
ClientSampleId :  
P287-DITCH

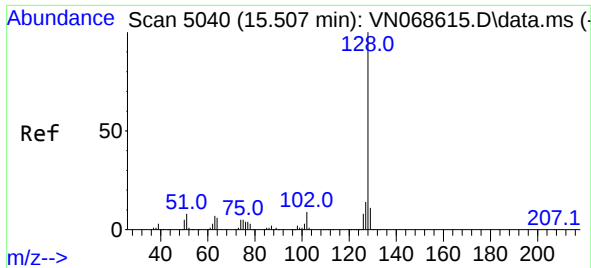
Tgt Ion: 75 Resp: 184747  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 84.085 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.108 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

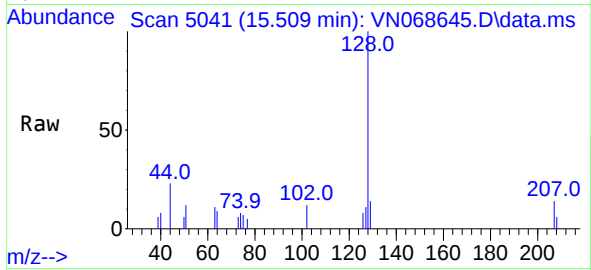
Tgt Ion: 75 Resp: 184747  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.6 131.4#  
89 0.0 37.8 56.8#





#95  
Naphthalene  
Concen: 2.170 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.002 min  
Lab File: VN068645.D  
Acq: 24 Sep 2021 17:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion:128 Resp: 7158  
Ion Ratio Lower Upper  
128 100  
127 7.9 10.6 15.8#  
129 10.7 8.6 12.8

