

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082021\  
 Data File : VN068243.D  
 Acq On : 20 Aug 2021 14:22  
 Operator : JC/MD  
 Sample : M3503-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 20 23:58:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 13:09:49 2021  
 Response via : Initial Calibration

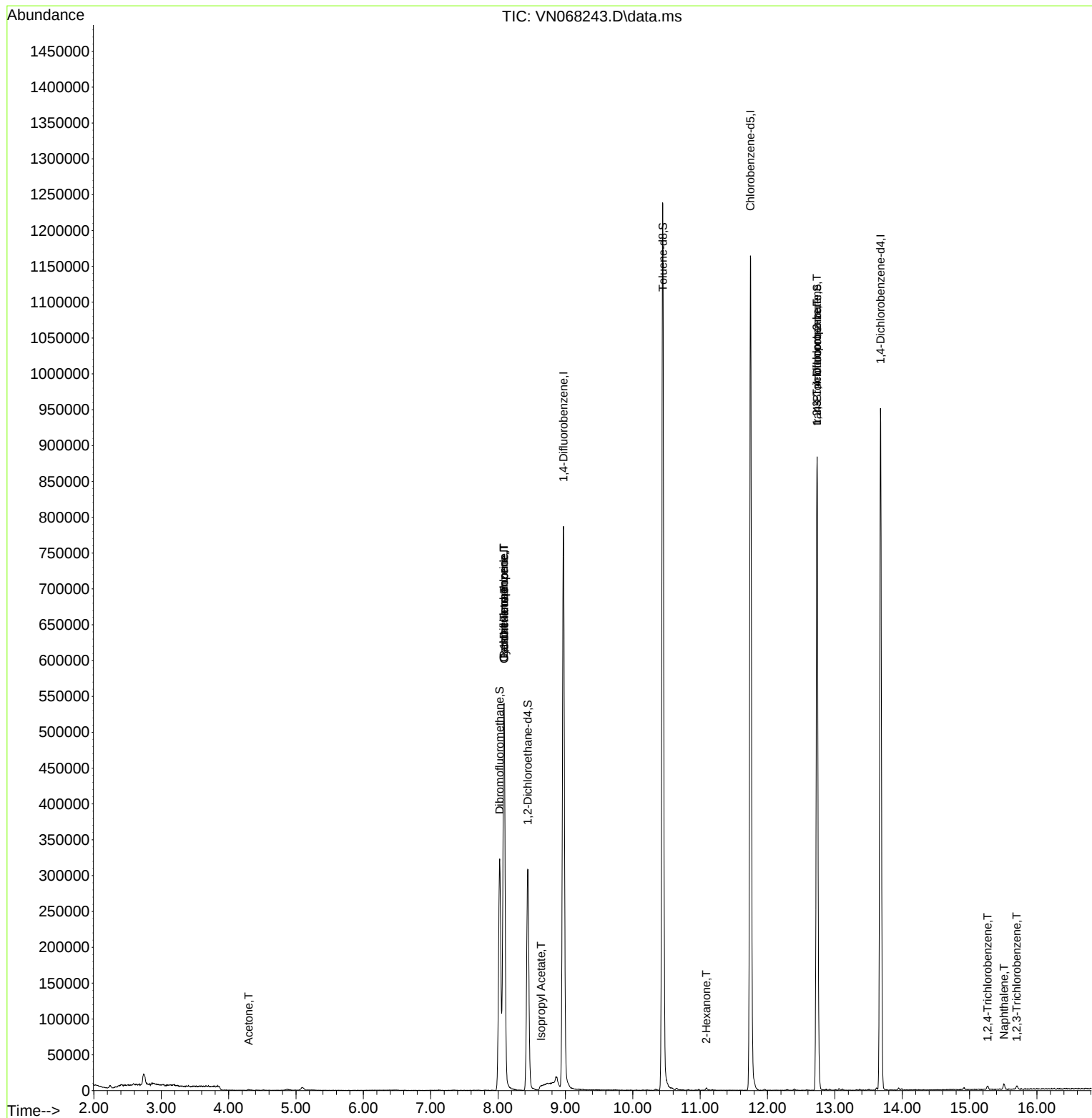
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 8.088  | 168            | 456094   | 50.000     | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.971  | 114            | 768551   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.747 | 117            | 762940   | 50.000     | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.678 | 152            | 289530   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440  | 65             | 267455   | 54.921     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 61 - 141 | Recovery | = 109.840% |        |          |
| 35) Dibromofluoromethane      | 8.024  | 113            | 239246   | 49.583     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 69 - 133 | Recovery | = 99.160%  |        |          |
| 50) Toluene-d8                | 10.446 | 98             | 927566   | 50.451     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 65 - 126 | Recovery | = 100.900% |        |          |
| 62) 4-Bromofluorobenzene      | 12.736 | 95             | 296424   | 48.432     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 58 - 135 | Recovery | = 96.860%  |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            |        | Qvalue   |
| 5) Bromomethane               | 2.880  | 94             | 2143     | Below Cal  |        | 83       |
| 6) Chloroethane               | 3.092  | 64             | 27       | Below Cal  | #      | 44       |
| 13) Acrolein                  | 4.036  | 56             | 52       | Below Cal  | #      | 14       |
| 16) Acetone                   | 4.296  | 43             | 1012     | 0.712      | ug/l # | 82       |
| 18) Methyl Acetate            | 4.873  | 43             | 2114     | Below Cal  | #      | 79       |
| 20) Methylene Chloride        | 5.085  | 84             | 1549     | Below Cal  | #      | 76       |
| 31) Cyclohexane               | 8.091  | 56             | 8045     | 1.254      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.088  | 75             | 29901    | 4.759      | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 8.086  | 117            | 42858    | 5.915      | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.638  | 43             | 3785     | 0.441      | ug/l # | 58       |
| 59) 2-Hexanone                | 11.092 | 43             | 2651     | 0.725      | ug/l   | 87       |
| 76) 1,2,3-Trichloropropane    | 12.734 | 75             | 153157   | 31.826     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.734 | 75             | 153157   | 104.268    | ug/l # | 6        |
| 93) 1,2,4-Trichlorobenzene    | 15.268 | 180            | 2012     | 3.079      | ug/l   | 94       |
| 95) Naphthalene               | 15.509 | 128            | 7397     | 3.952      | ug/l # | 93       |
| 96) 1,2,3-Trichlorobenzene    | 15.700 | 180            | 2404     | 3.326      | ug/l   | 83       |

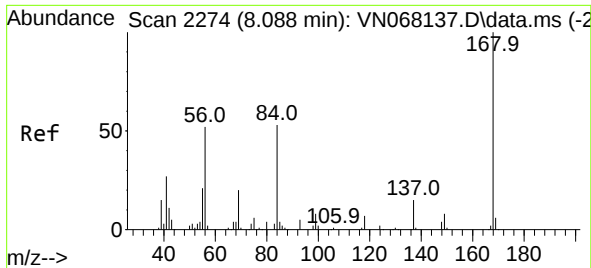
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082021\  
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Quant Title : SW846 8260  
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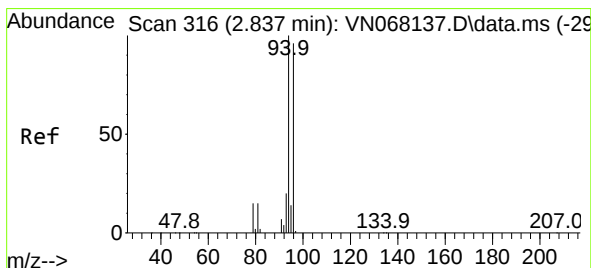
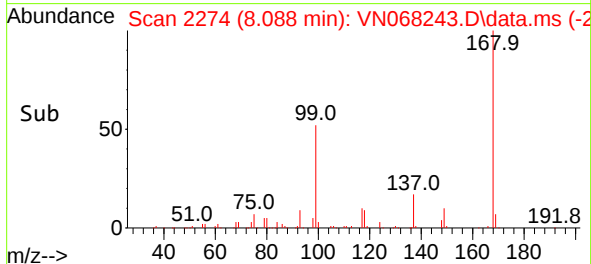
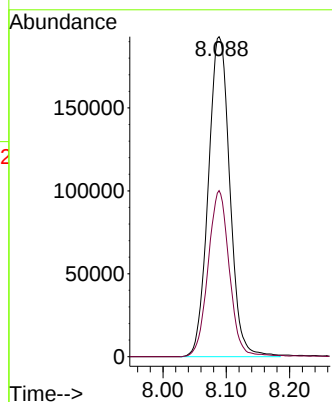
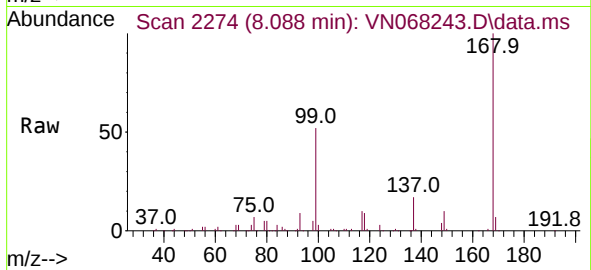




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

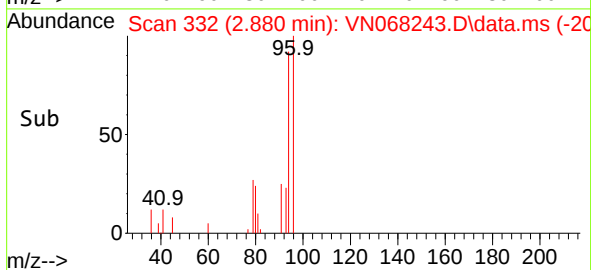
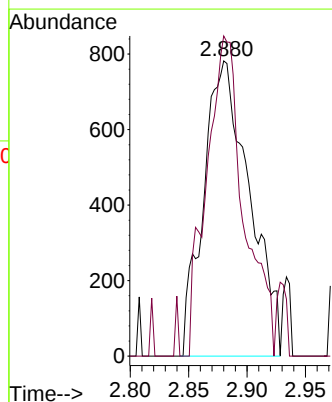
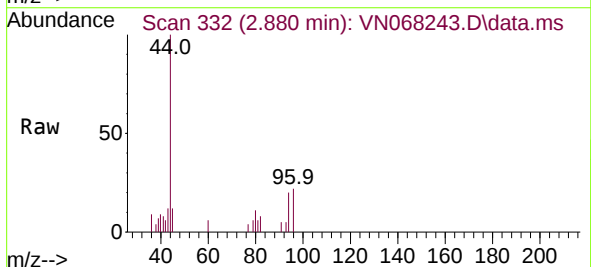
Instrument :  
MSVOA\_N  
ClientSampled :

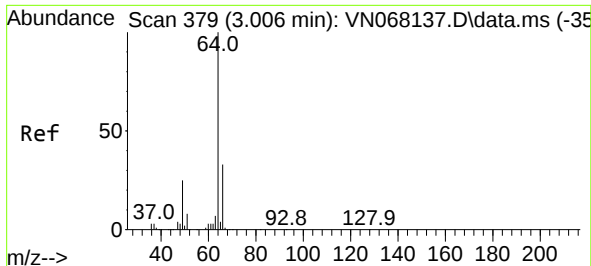
Tgt Ion:168 Resp: 456094  
Ion Ratio Lower Upper  
168 100  
99 51.9 62.9 94.3#



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.880 min Scan# 332  
Delta R.T. 0.043 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

Tgt Ion: 94 Resp: 2143  
Ion Ratio Lower Upper  
94 100  
96 108.4 73.7 110.5

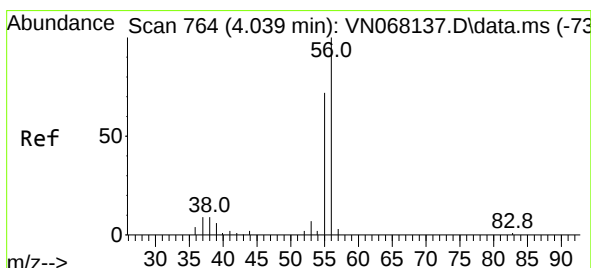
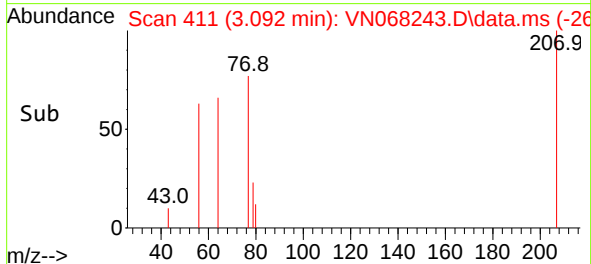
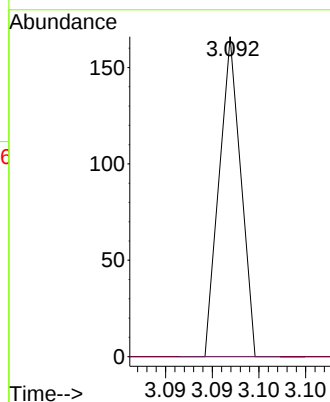
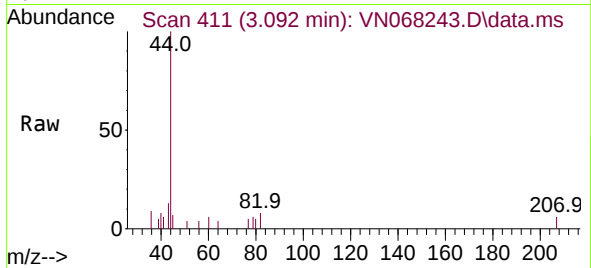




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.092 min Scan# 411  
Delta R.T. 0.086 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

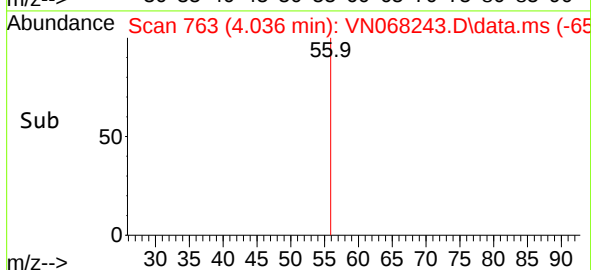
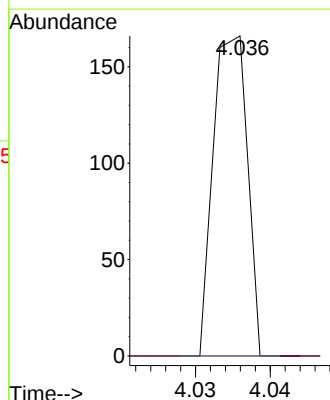
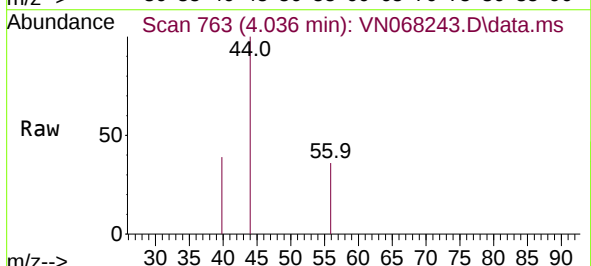
Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion: 64 Resp: 27  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.7 37.1#



#13  
Acrolein  
Concen: Below Cal  
RT: 4.036 min Scan# 763  
Delta R.T. -0.003 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

Tgt Ion: 56 Resp: 52  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.4 86.0#

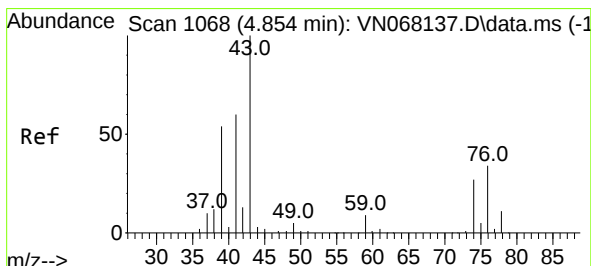
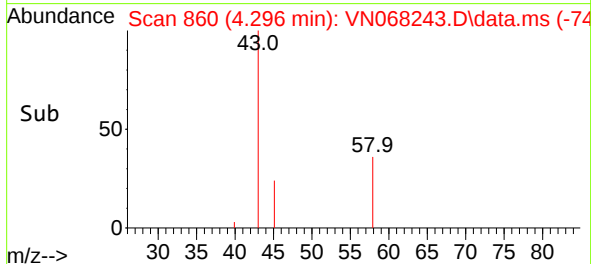
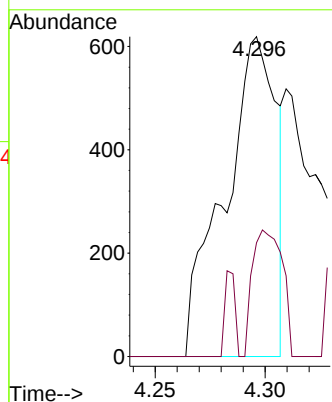
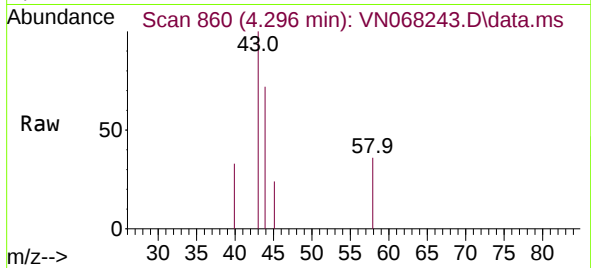




#16  
Acetone  
Concen: 0.712 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.008 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

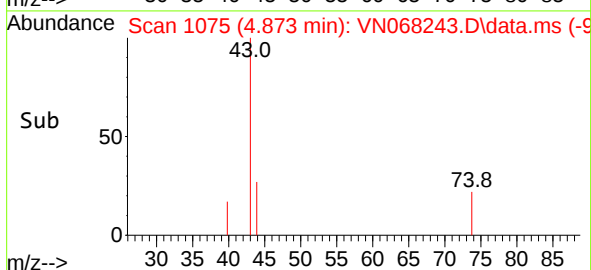
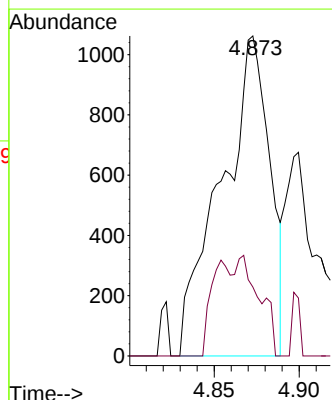
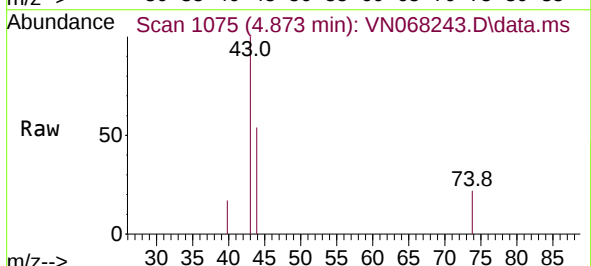
Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion: 43 Resp: 1012  
Ion Ratio Lower Upper  
43 100  
58 35.5 21.2 31.8#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.873 min Scan# 1075  
Delta R.T. 0.019 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

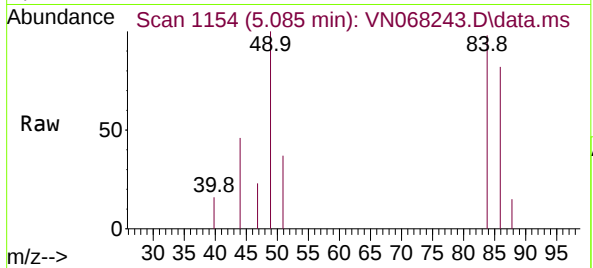
Tgt Ion: 43 Resp: 2114  
Ion Ratio Lower Upper  
43 100  
74 12.0 17.4 26.0#



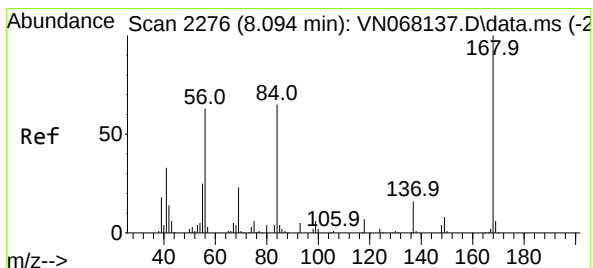
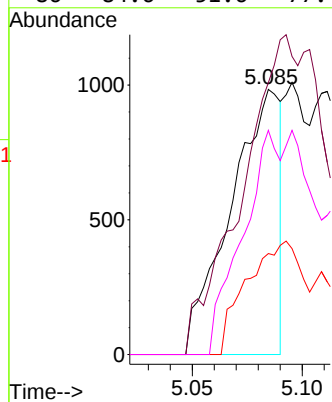
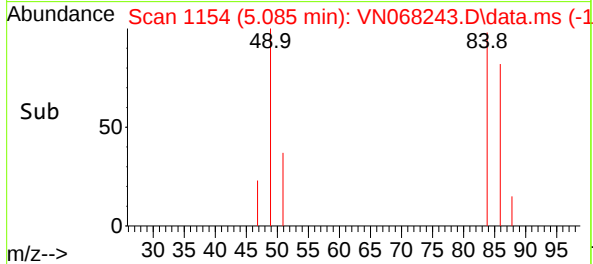


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.085 min Scan# 1154  
Delta R.T. -0.008 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

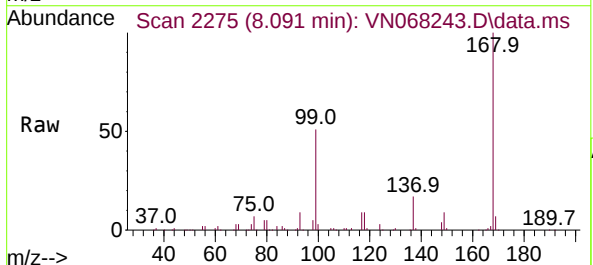
Instrument :  
MSVOA\_N  
ClientSampled :



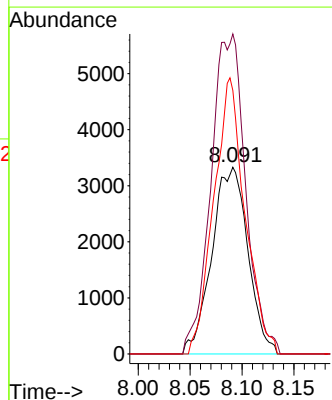
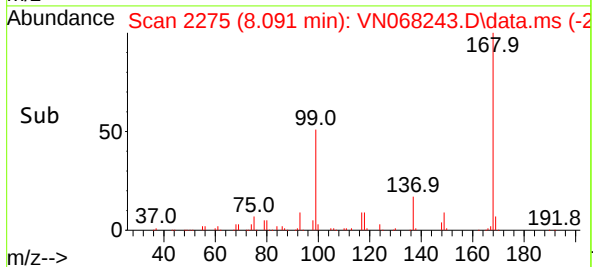
Tgt Ion: 84 Resp: 1549  
Ion Ratio Lower Upper  
84 100  
49 102.5 110.9 166.3#  
51 38.1 32.6 49.0  
86 84.6 51.6 77.4#

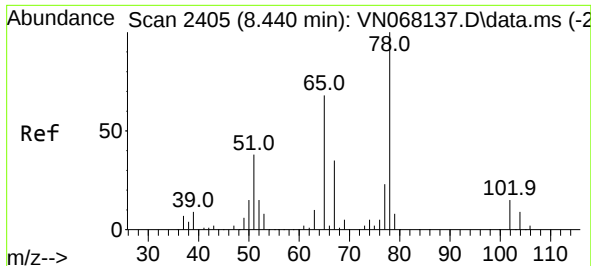


#31  
Cyclohexane  
Concen: 1.254 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. -0.003 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22



Tgt Ion: 56 Resp: 8045  
Ion Ratio Lower Upper  
56 100  
69 171.4 27.3 40.9#  
84 141.1 64.9 97.3#

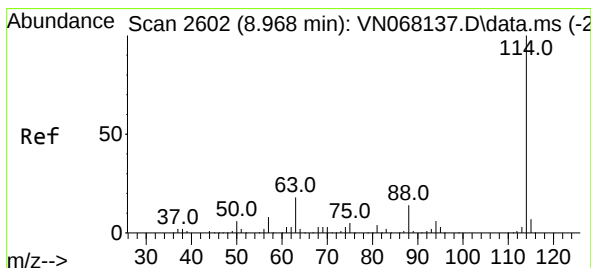
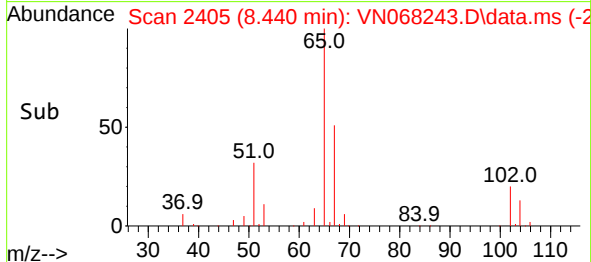
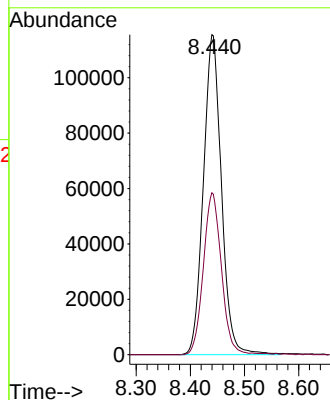
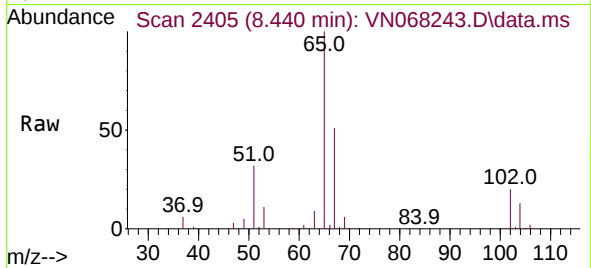




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.921 ug/l  
 RT: 8.440 min Scan# 2405  
 Delta R.T. -0.000 min  
 Lab File: VN068243.D  
 Acq: 20 Aug 2021 14:22

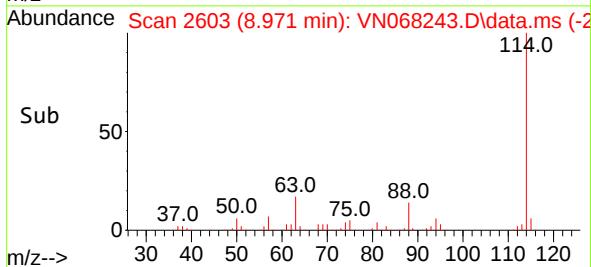
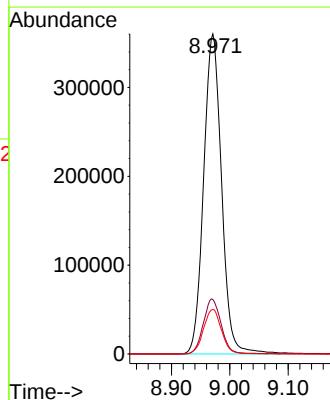
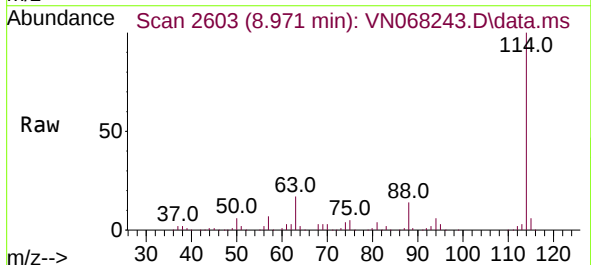
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 ClientSampleId :

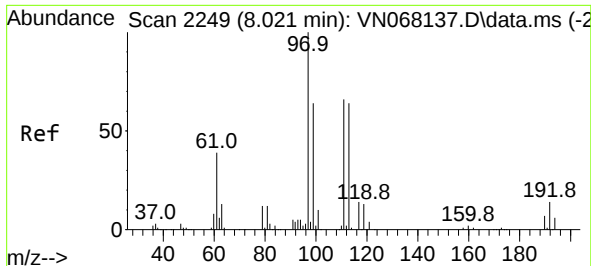
Tgt Ion: 65 Resp: 267455  
 Ion Ratio Lower Upper  
 65 100  
 67 50.4 0.0 98.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.971 min Scan# 2603  
 Delta R.T. 0.003 min  
 Lab File: VN068243.D  
 Acq: 20 Aug 2021 14:22

Tgt Ion: 114 Resp: 768551  
 Ion Ratio Lower Upper  
 114 100  
 63 17.0 0.0 49.0  
 88 13.9 0.0 36.6

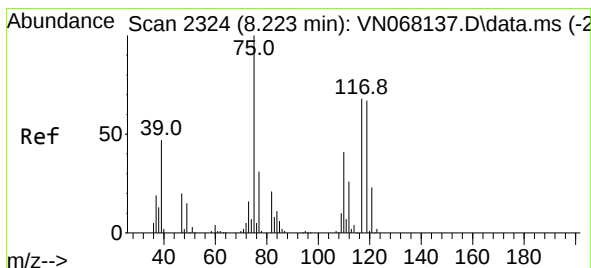
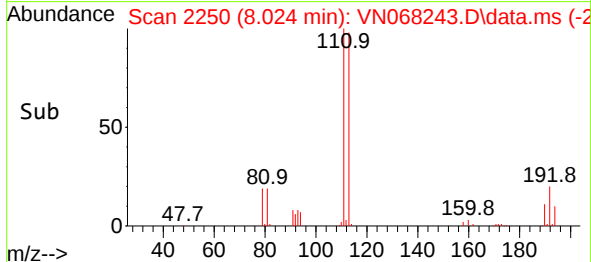
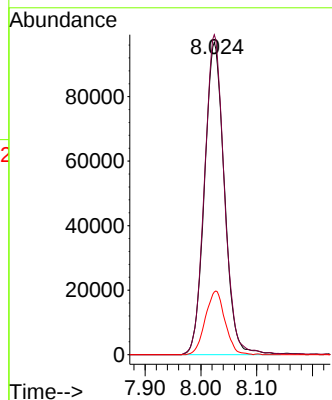
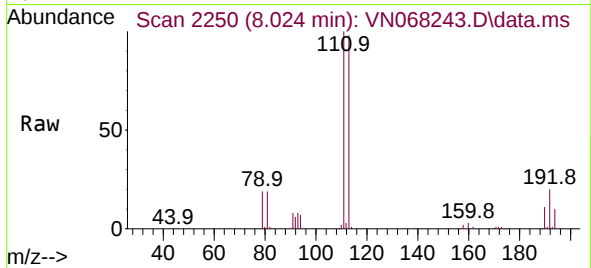




#35  
Dibromofluoromethane  
Concen: 49.583 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

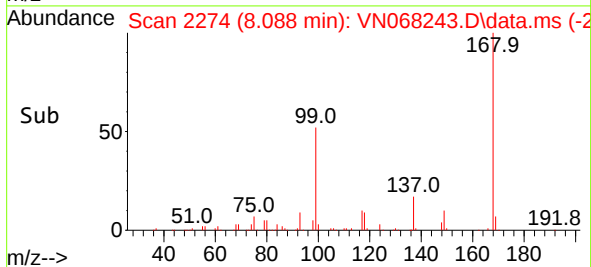
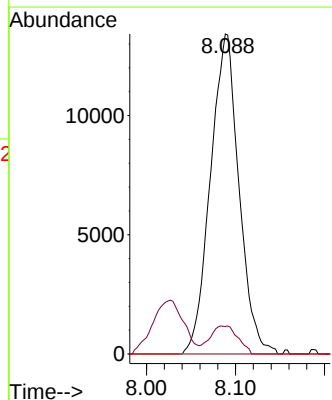
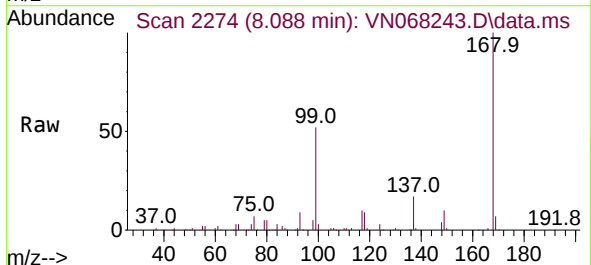
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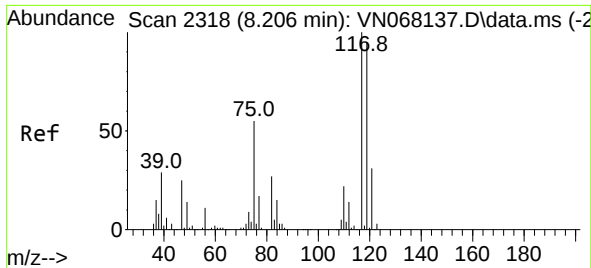
Tgt Ion:113 Resp: 239246  
Ion Ratio Lower Upper  
113 100  
111 101.0 83.8 125.8  
192 20.2 13.4 20.0#



#36  
1,1-Dichloropropene  
Concen: 4.759 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.135 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

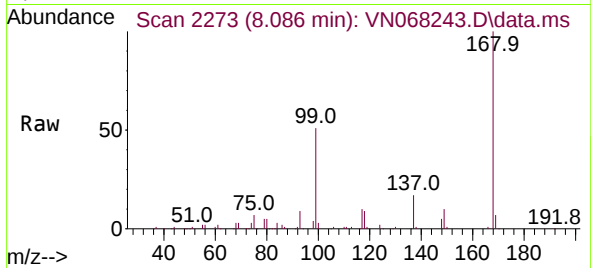
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Ion Ratio Lower Upper  
75 100  
110 8.6 15.7 47.0#  
77 0.0 24.6 37.0#



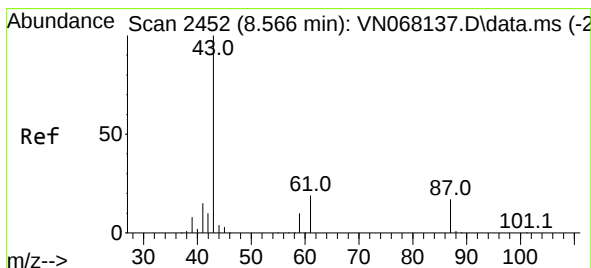
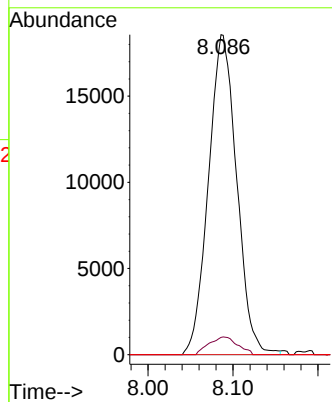
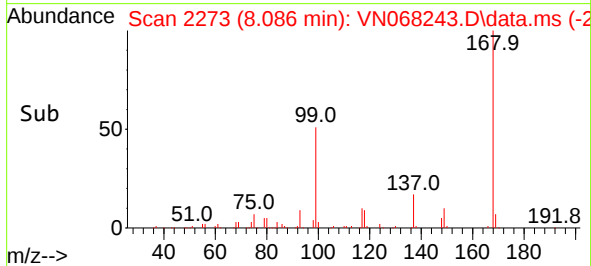


#38  
Carbon Tetrachloride  
Concen: 5.915 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.120 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

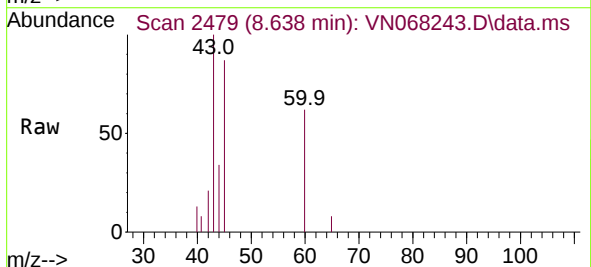
Instrument :  
MSVOA\_N  
ClientSampled :



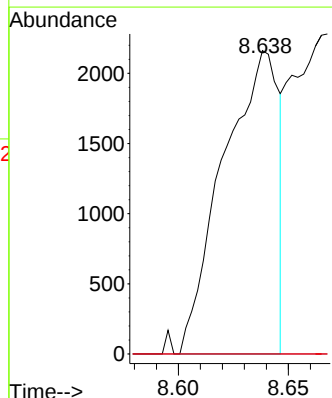
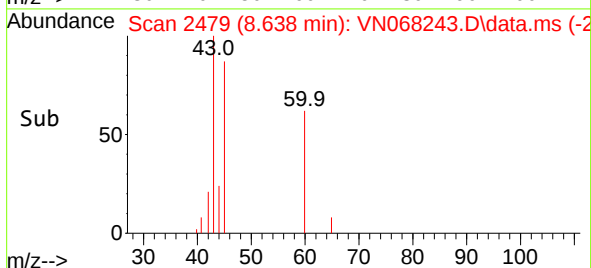
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Ion Ratio Lower Upper  
117 100  
119 5.4 75.4 113.2#  
121 0.0 23.5 35.3#

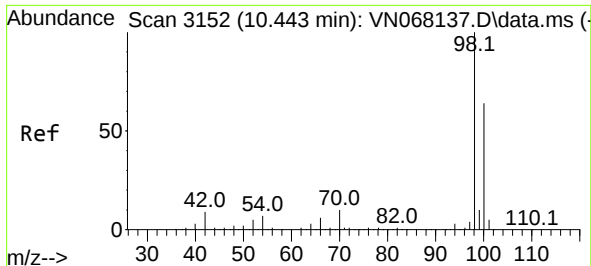


#43  
Isopropyl Acetate  
Concen: 0.441 ug/l  
RT: 8.638 min Scan# 2479  
Delta R.T. 0.072 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22



Tgt Ion: 43 Resp: 3785  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.0 28.4#  
87 0.0 9.5 14.3#

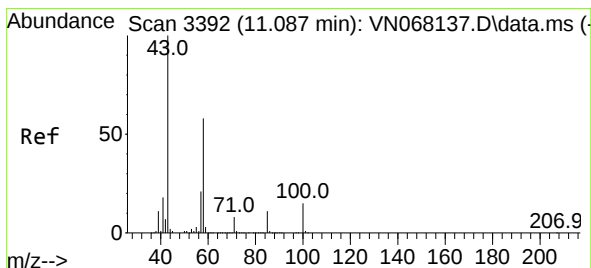
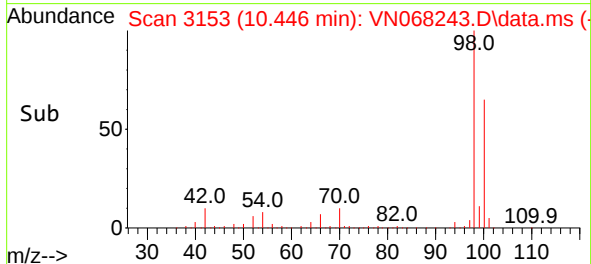
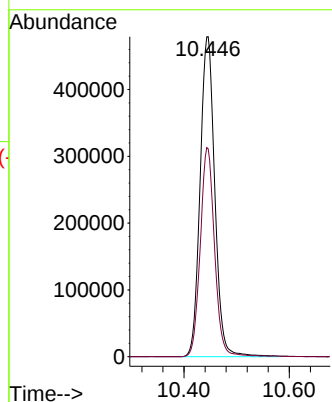
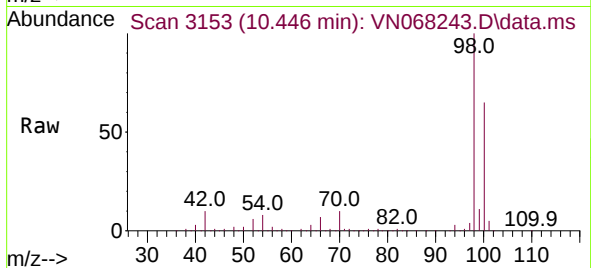




#50  
Toluene-d8  
Concen: 50.451 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

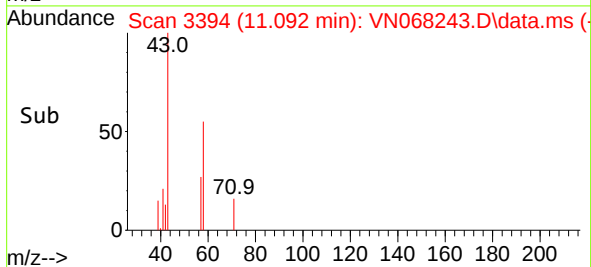
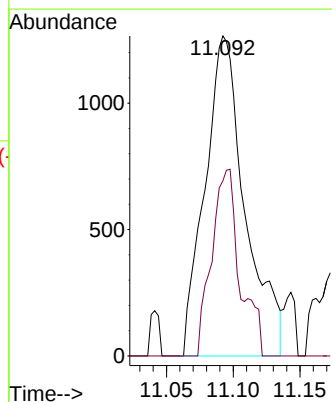
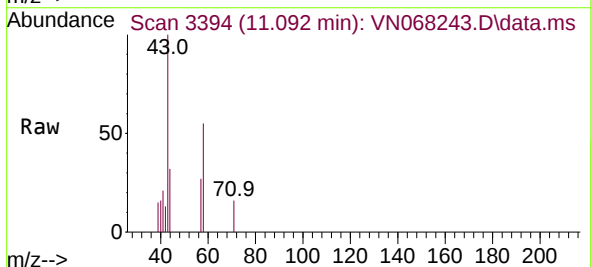
Instrument :  
MSVOA\_N  
ClientSampled :

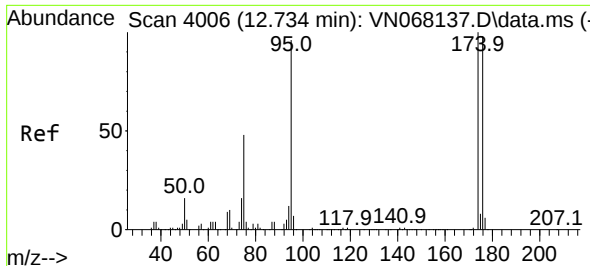
Tgt Ion: 98 Resp: 927566  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.7 77.5



#59  
2-Hexanone  
Concen: 0.725 ug/l  
RT: 11.092 min Scan# 3394  
Delta R.T. 0.005 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

Tgt Ion: 43 Resp: 2651  
Ion Ratio Lower Upper  
43 100  
58 40.7 24.7 74.1

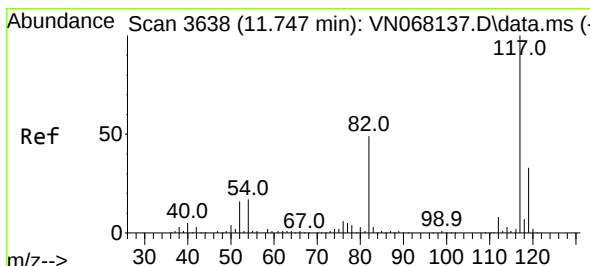
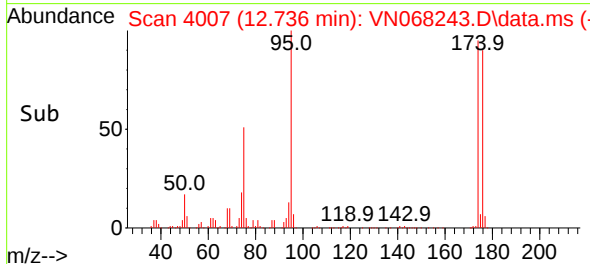
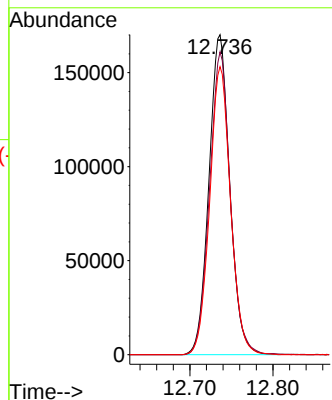
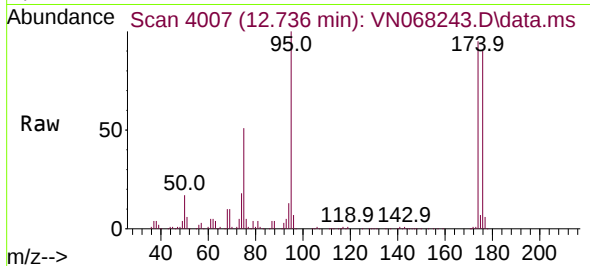




#62  
4-Bromofluorobenzene  
Concen: 48.432 ug/l  
RT: 12.736 min Scan# 4007  
Delta R.T. 0.002 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

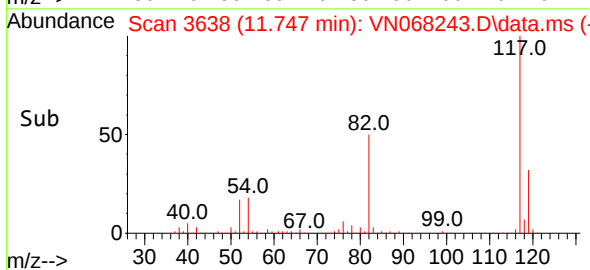
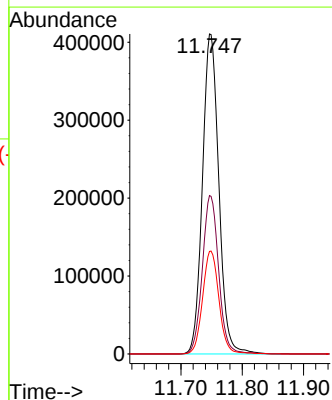
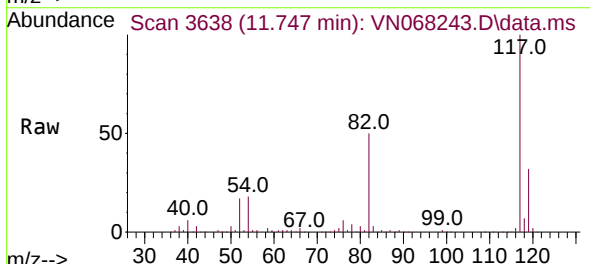
Instrument :  
MSVOA\_N  
ClientSampleId :

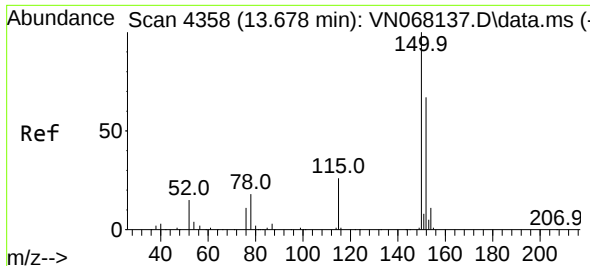
Tgt Ion: 95 Resp: 296424  
Ion Ratio Lower Upper  
95 100  
174 94.7 0.0 122.0  
176 90.1 0.0 117.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

Tgt Ion: 117 Resp: 762940  
Ion Ratio Lower Upper  
117 100  
82 49.5 53.1 79.7#  
119 32.0 25.5 38.3

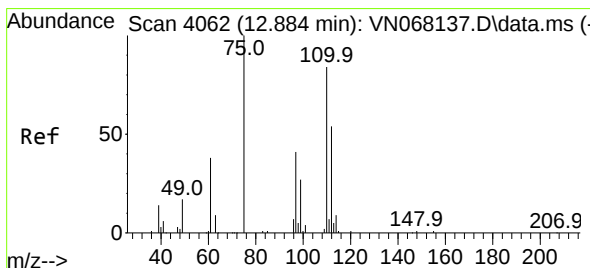
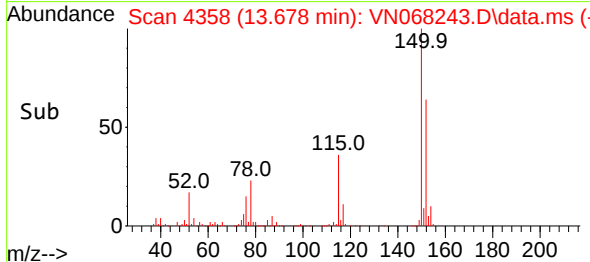
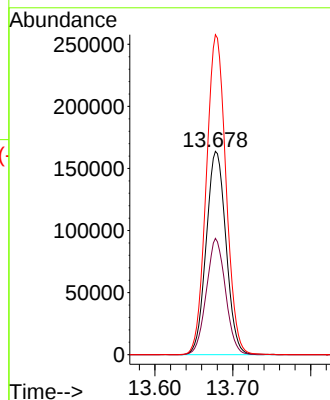
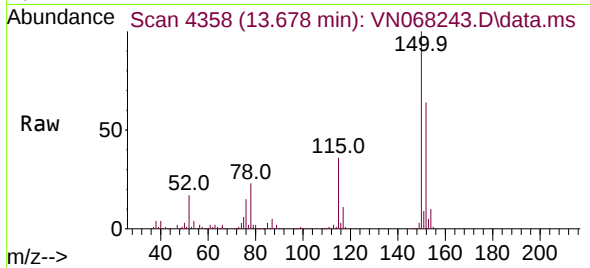




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. -0.000 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

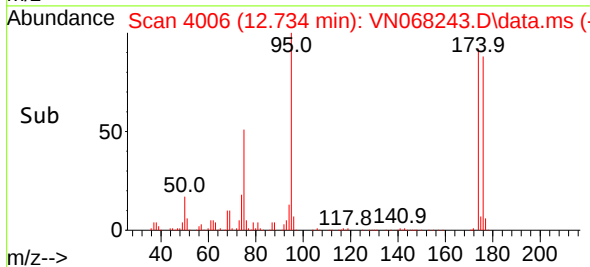
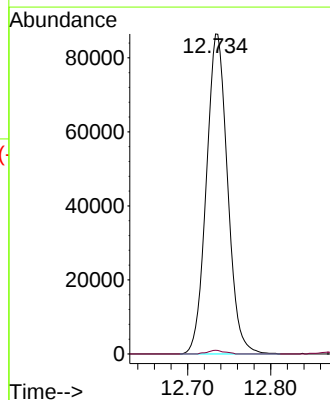
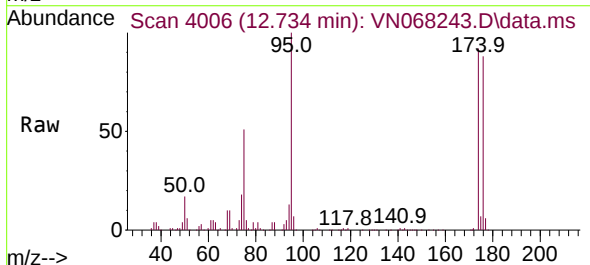
Instrument :  
MSVOA\_N  
ClientSampleId :

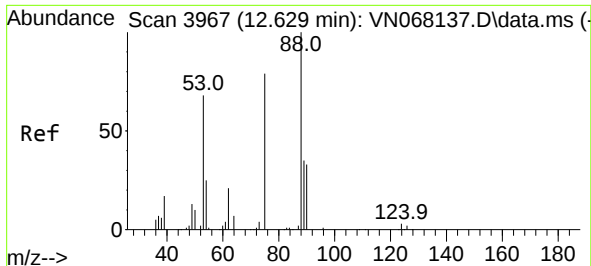
Tgt Ion:152 Resp: 289530  
Ion Ratio Lower Upper  
152 100  
115 55.3 36.1 108.5  
150 156.6 0.0 351.8



#76  
1,2,3-Trichloropropane  
Concen: 31.826 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.150 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

Tgt Ion: 75 Resp: 153157  
Ion Ratio Lower Upper  
75 100  
77 0.9 0.0 0.0#

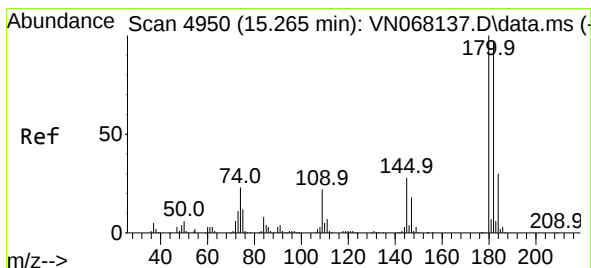
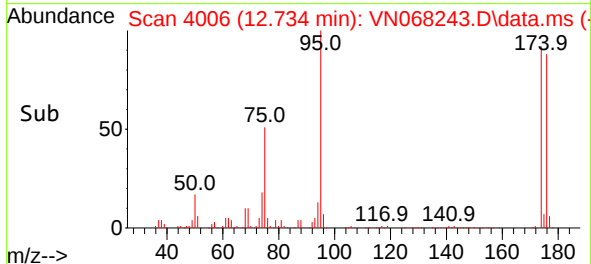
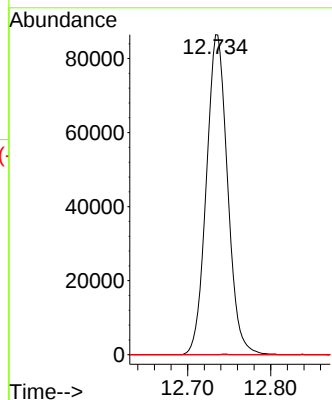
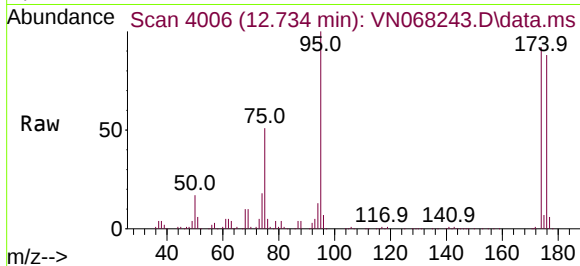




#81  
trans-1,4-Dichloro-2-butene  
Concen: 104.268 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.105 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

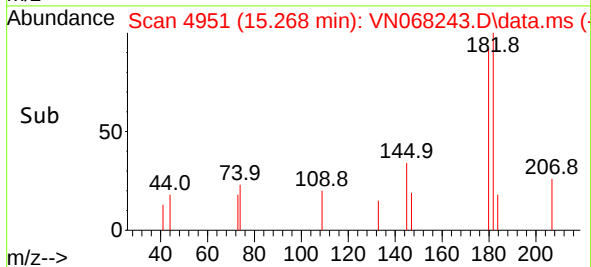
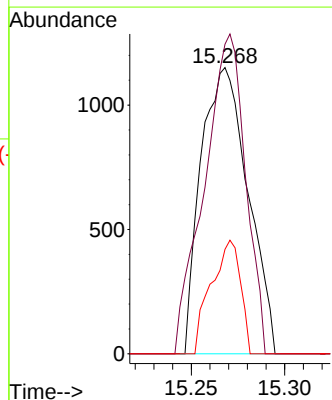
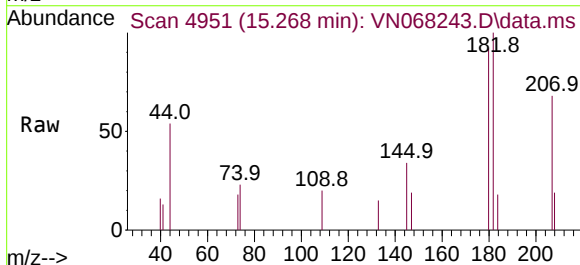
Instrument :  
MSVOA\_N  
ClientSampled :

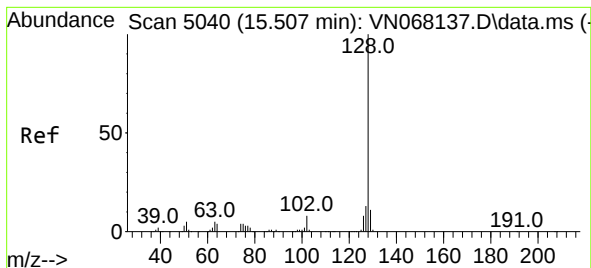
Tgt Ion: 75 Resp: 153157  
Ion Ratio Lower Upper  
75 100  
53 0.1 87.6 131.4#  
89 0.0 37.8 56.8#



#93  
1,2,4-Trichlorobenzene  
Concen: 3.079 ug/l  
RT: 15.268 min Scan# 4951  
Delta R.T. 0.003 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

Tgt Ion:180 Resp: 2012  
Ion Ratio Lower Upper  
180 100  
182 97.7 47.5 142.5  
145 24.8 17.2 51.6

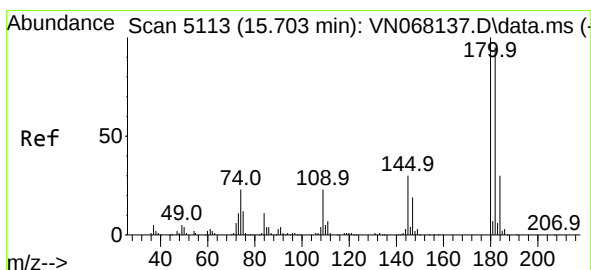
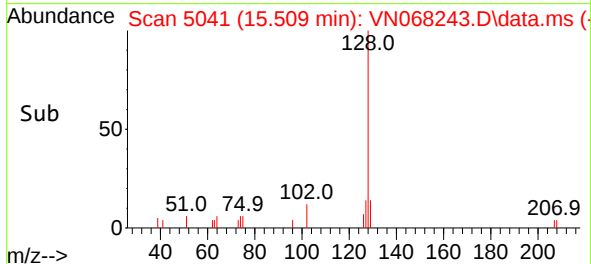
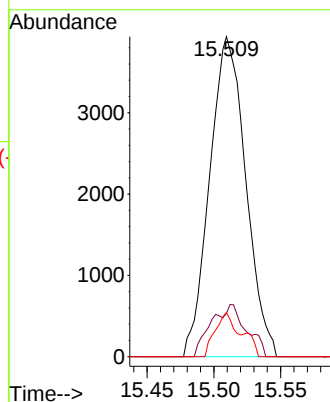
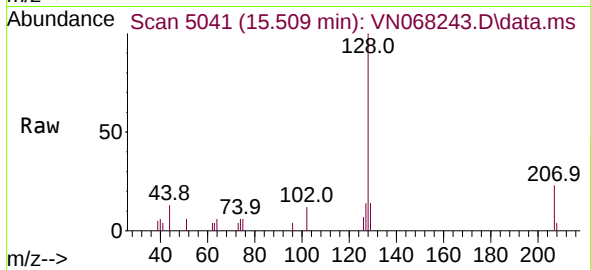




#95  
Naphthalene  
Concen: 3.952 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.002 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

Instrument :  
MSVOA\_N  
ClientSampled :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 15.9  | 10.6  | 15.8# |
| 129     | 7.8   | 8.6   | 12.8# |



#96  
1,2,3-Trichlorobenzene  
Concen: 3.326 ug/l  
RT: 15.700 min Scan# 5112  
Delta R.T. -0.003 min  
Lab File: VN068243.D  
Acq: 20 Aug 2021 14:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 81.0  | 47.8  | 143.3 |
| 145     | 22.0  | 18.2  | 54.6  |

