

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082021\  
 Data File : VN068251.D  
 Acq On : 20 Aug 2021 17:41  
 Operator : JC/MD  
 Sample : M3468-08  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 20 23:59:47 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

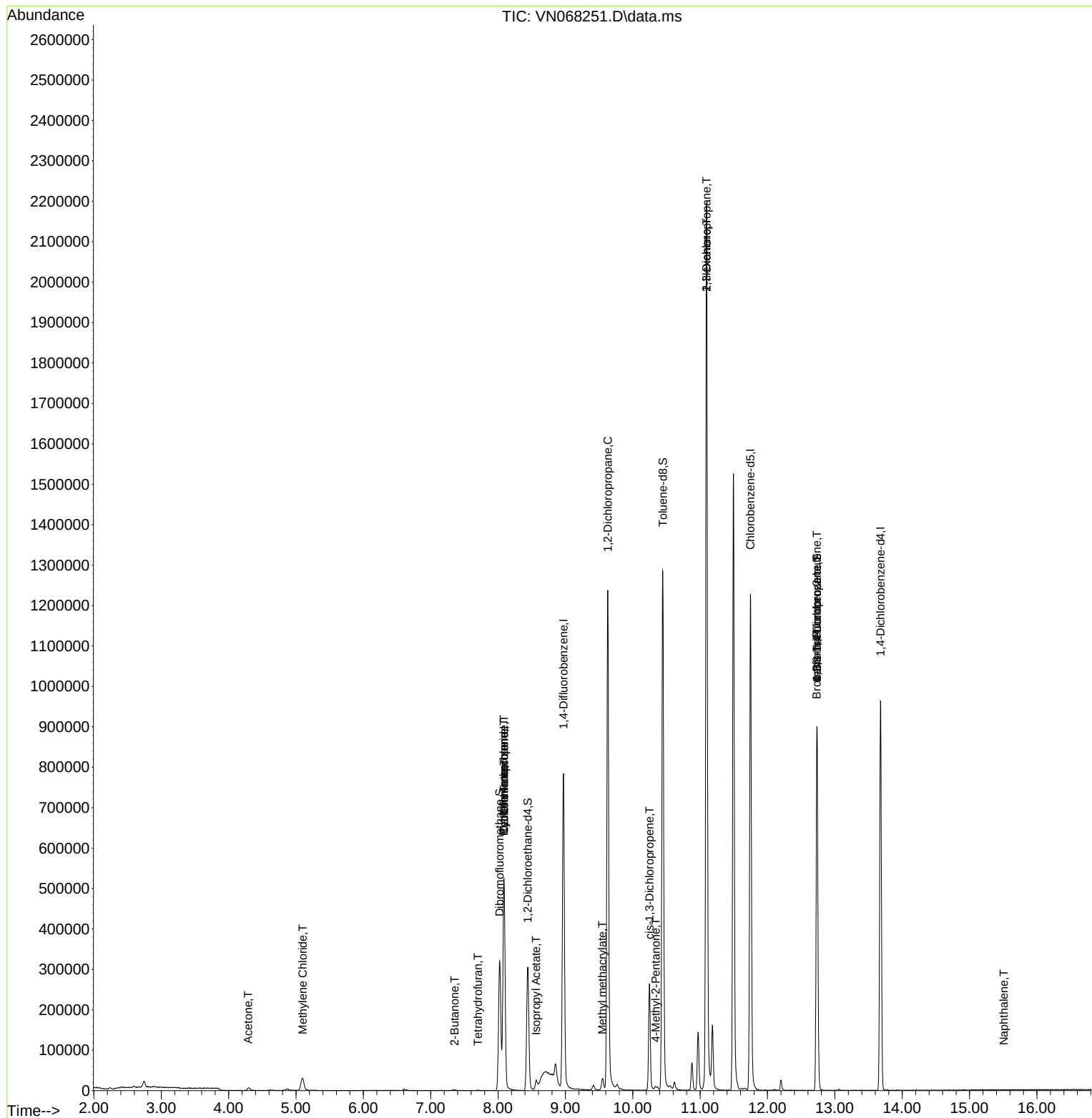
| Compound                      | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|-------|----------|
| Internal Standards            |           |                |          |            |       |          |
| 1) Pentafluorobenzene         | 8.088     | 168            | 440016   | 50.000     | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.971     | 114            | 760494   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.747    | 117            | 792329   | 50.000     | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.678    | 152            | 294301   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds   |           |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.440     | 65             | 264048   | 56.202     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 61 - 141 | Recovery | = 112.400% |       |          |
| 35) Dibromofluoromethane      | 8.024     | 113            | 233668   | 48.940     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 69 - 133 | Recovery | = 97.880%  |       |          |
| 50) Toluene-d8                | 10.446    | 98             | 961278   | 52.838     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 65 - 126 | Recovery | = 105.680% |       |          |
| 62) 4-Bromofluorobenzene      | 12.734    | 95             | 305272   | 50.406     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 58 - 135 | Recovery | = 100.820% |       |          |
| Target Compounds              |           |                |          |            |       | Qvalue   |
| 5) Bromomethane               | 2.832     | 94             | 24       | Below Cal  | #     | 4        |
| 6) Chloroethane               | 2.842     | 64             | 58       | Below Cal  | #     | 44       |
| 16) Acetone                   | 4.291     | 43             | 12455    | 9.080      | ug/l  | 95       |
| 18) Methyl Acetate            | 4.857     | 43             | 2685     | Below Cal  | #     | 12       |
| 20) Methylene Chloride        | 5.101     | 84             | 27426    | 5.327      | ug/l  | # 77     |
| 25) 2-Butanone                | 7.354     | 43             | 1817     | 0.850      | ug/l  | 98       |
| 29) Tetrahydrofuran           | 7.702     | 42             | 602      | 0.440      | ug/l  | # 48     |
| 31) Cyclohexane               | 8.088     | 56             | 7509     | 1.213      | ug/l  | # 14     |
| 36) 1,1-Dichloropropene       | 8.086     | 75             | 29003    | 4.665      | ug/l  | # 53     |
| 38) Carbon Tetrachloride      | 8.086     | 117            | 40694    | 5.675      | ug/l  | # 17     |
| 43) Isopropyl Acetate         | 8.566     | 43             | 31772    | 3.745      | ug/l  | # 92     |
| 45) 1,2-Dichloropropane       | 9.631     | 63             | 1906     | 0.427      | ug/l  | # 44     |
| 48) Methyl methacrylate       | 9.547     | 41             | 6797     | 1.923      | ug/l  | # 12     |
| 51) 4-Methyl-2-Pentanone      | 10.341    | 43             | 3333     | 0.640      | ug/l  | # 57     |
| 54) cis-1,3-Dichloropropene   | 10.247    | 75             | 51363    | 7.134      | ug/l  | # 56     |
| 57) 1,3-Dichloropropane       | 11.095    | 76             | 26404    | 3.316      | ug/l  | # 43     |
| 59) 2-Hexanone                | 11.095    | 43             | 316707   | 87.524     | ug/l  | # 57     |
| 71) Bromoform                 | 12.731    | 173            | 1843     | 0.376      | ug/l  | # 1      |
| 76) 1,2,3-Trichloropropane    | 12.734    | 75             | 154858   | 31.658     | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.734    | 75             | 154858   | 103.717    | ug/l  | # 6      |
| 95) Naphthalene               | 15.507    | 128            | 593      | 3.392      | ug/l  | # 69     |

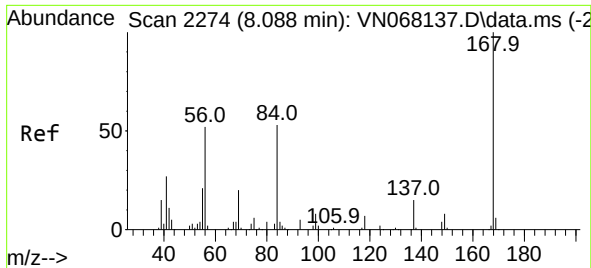
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082021\  
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Quant Title : SW846 8260  
QLast Update : Tue Aug 17 13:09:49 2021  
Response via : Initial Calibration

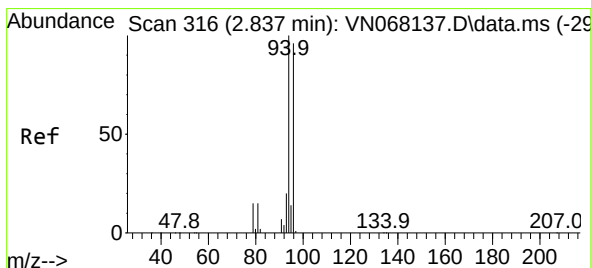
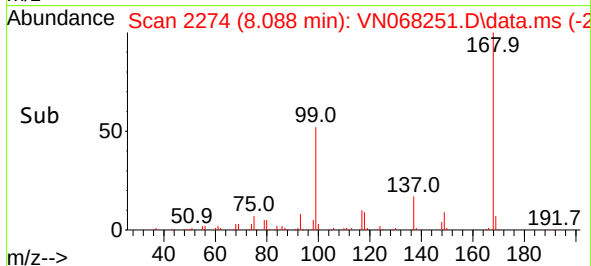
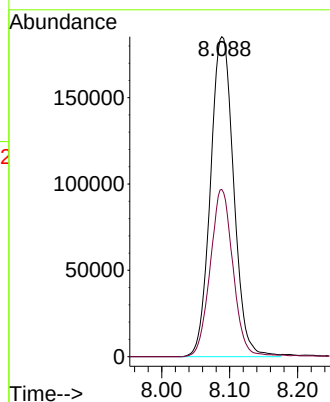
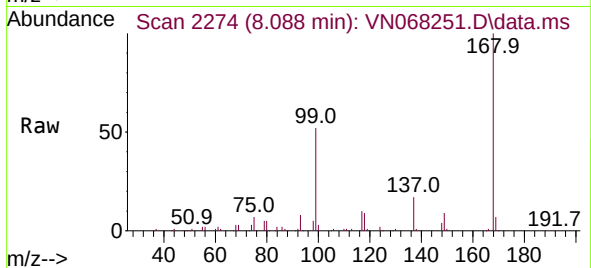




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

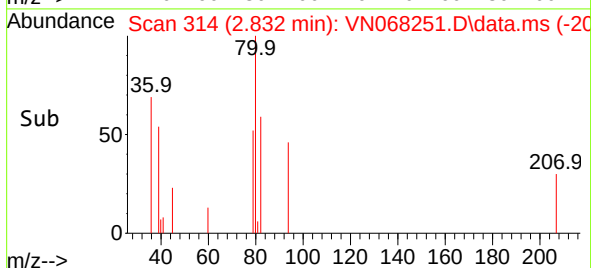
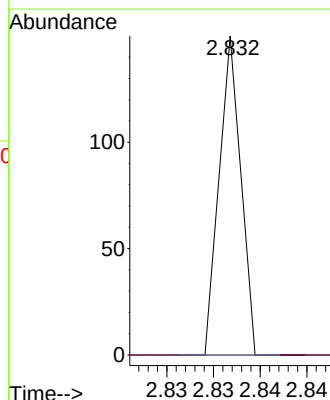
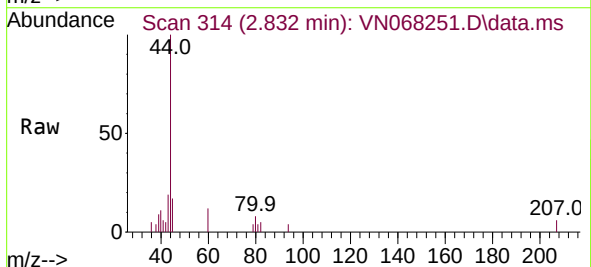
Instrument :  
MSVOA\_N  
ClientSampled :

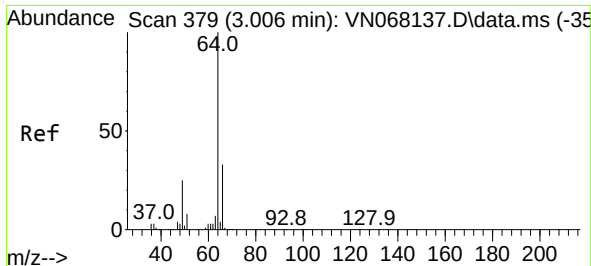
Tgt Ion:168 Resp: 440016  
Ion Ratio Lower Upper  
168 100  
99 52.2 62.9 94.3#



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.832 min Scan# 314  
Delta R.T. -0.005 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 94 Resp: 24  
Ion Ratio Lower Upper  
94 100  
96 0.0 73.7 110.5#

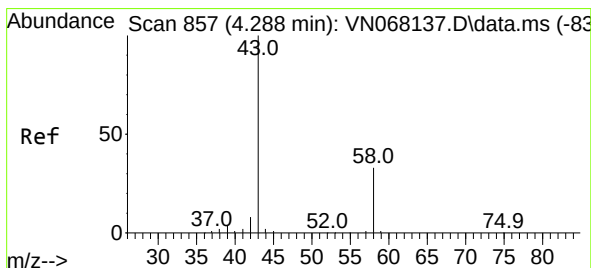
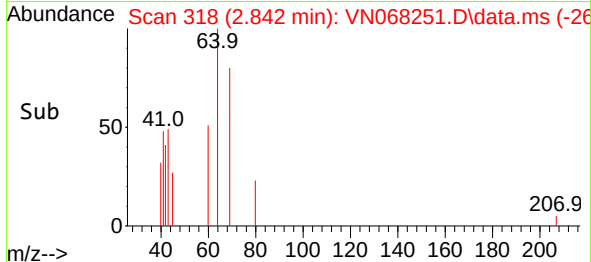
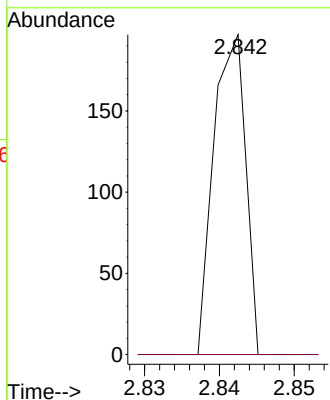
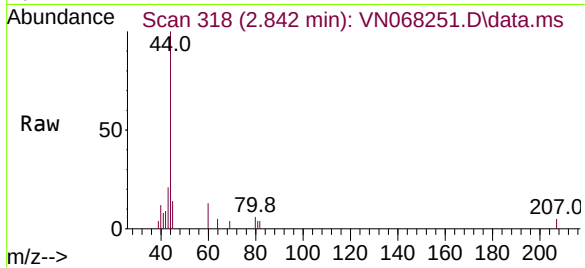




#6  
Chloroethane  
Concen: Below Cal  
RT: 2.842 min Scan# 318  
Delta R.T. -0.164 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

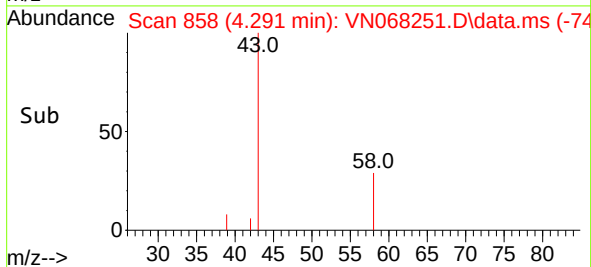
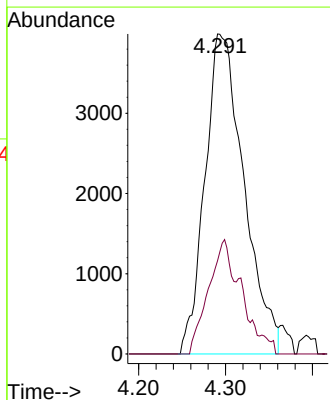
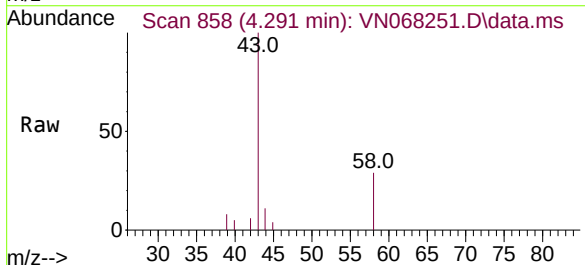
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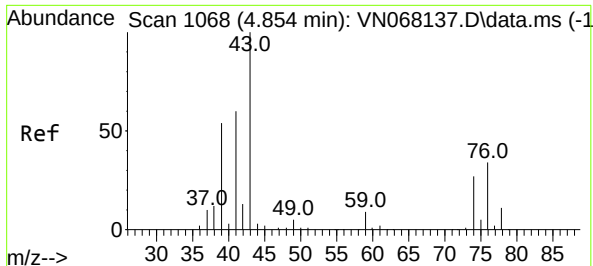
Tgt Ion: 64 Resp: 58  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.7 37.1#



#16  
Acetone  
Concen: 9.080 ug/l  
RT: 4.291 min Scan# 858  
Delta R.T. 0.003 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 43 Resp: 12455  
Ion Ratio Lower Upper  
43 100  
58 29.1 21.2 31.8

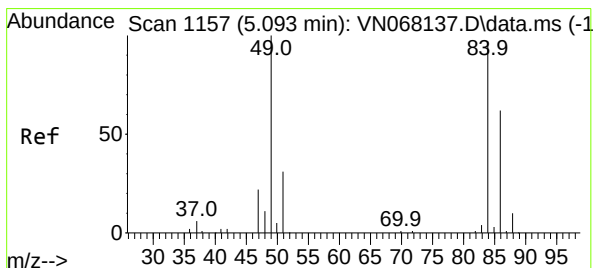
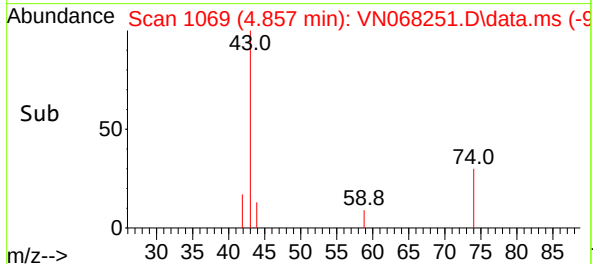
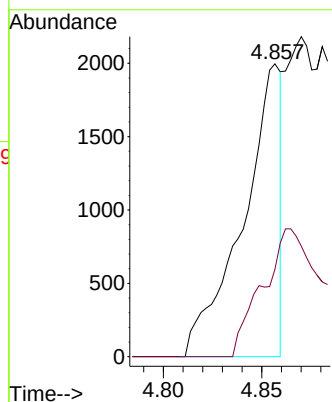
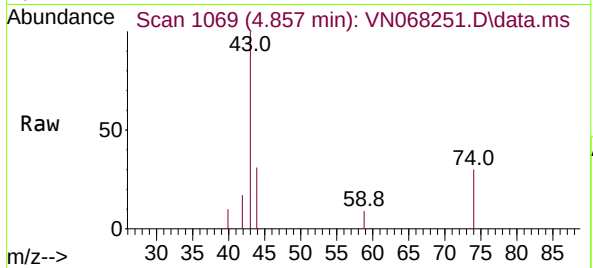




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.857 min Scan# 1069  
Delta R.T. 0.003 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

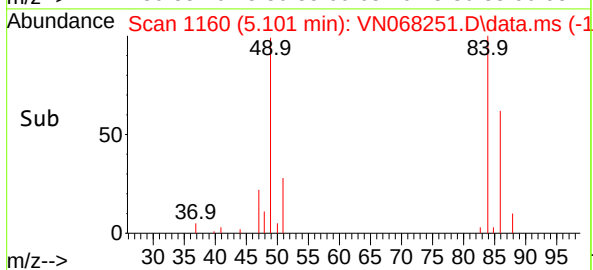
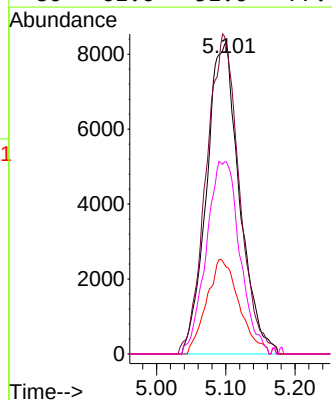
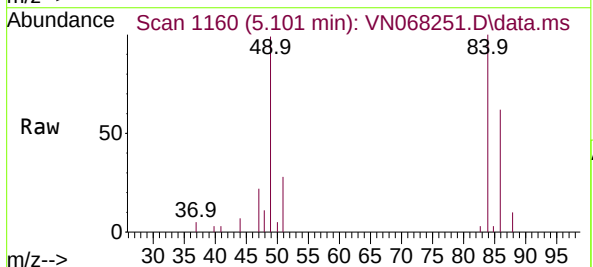
Instrument :  
MSVOA\_N  
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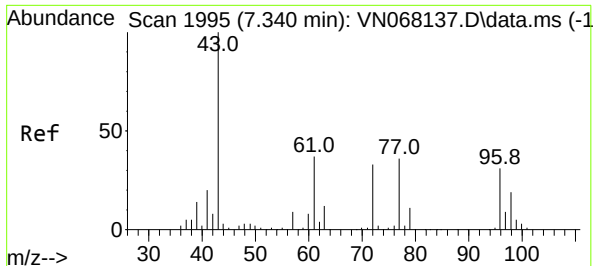
Tgt Ion: 43 Resp: 2685  
Ion Ratio Lower Upper  
43 100  
74 63.5 17.4 26.0#



#20  
Methylene Chloride  
Concen: 5.327 ug/l  
RT: 5.101 min Scan# 1160  
Delta R.T. 0.008 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 84 Resp: 27426  
Ion Ratio Lower Upper  
84 100  
49 99.4 110.9 166.3#  
51 27.9 32.6 49.0#  
86 61.6 51.6 77.4

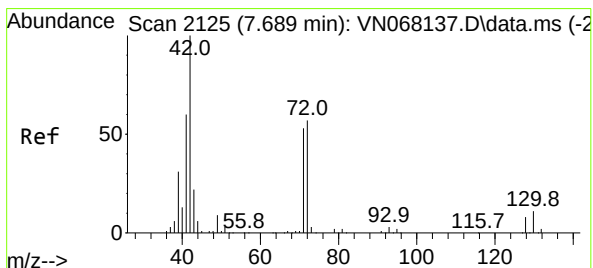
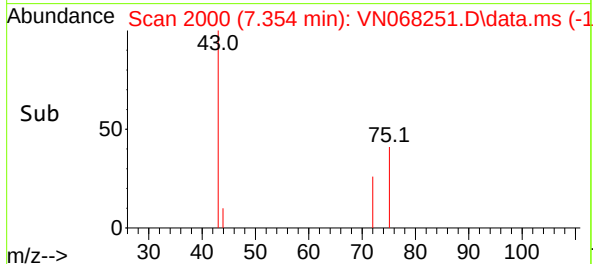
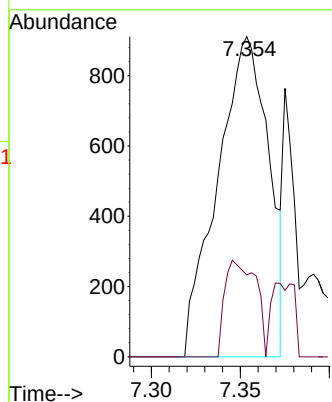
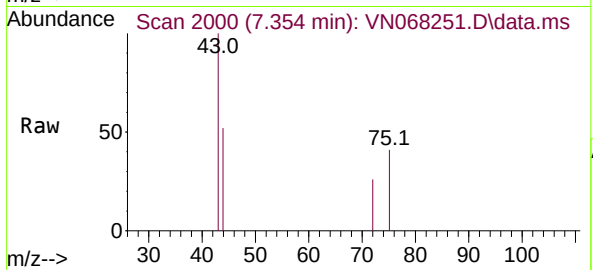




#25  
2-Butanone  
Concen: 0.850 ug/l  
RT: 7.354 min Scan# 2000  
Delta R.T. 0.014 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

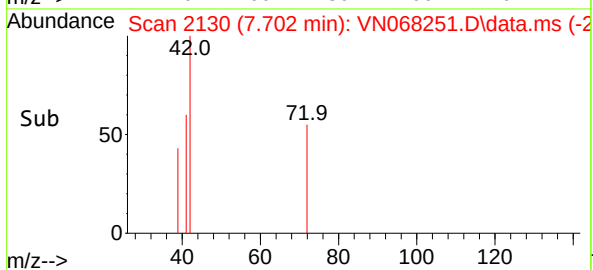
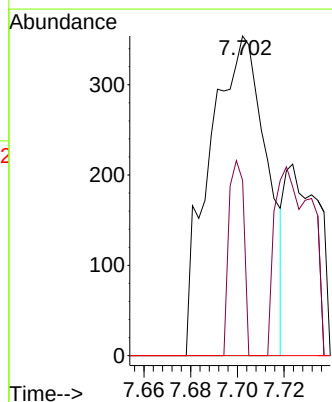
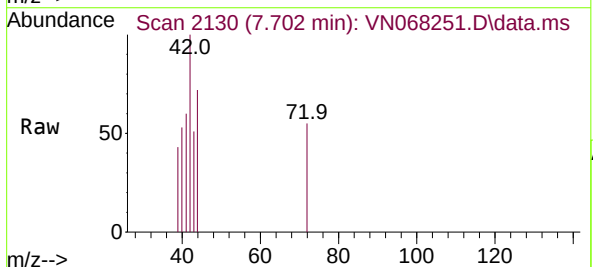
Instrument :  
MSVOA\_N  
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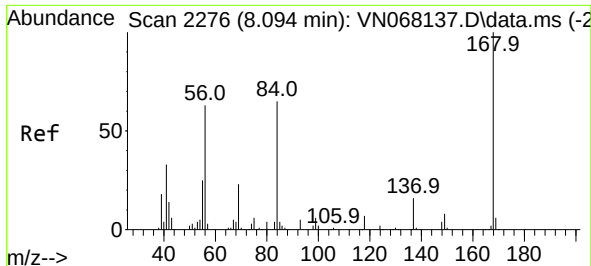
Tgt Ion: 43 Resp: 1817  
Ion Ratio Lower Upper  
43 100  
72 25.6 19.7 29.5



#29  
Tetrahydrofuran  
Concen: 0.440 ug/l  
RT: 7.702 min Scan# 2130  
Delta R.T. 0.013 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 42 Resp: 602  
Ion Ratio Lower Upper  
42 100  
72 15.9 32.8 49.2#  
71 0.0 31.2 46.8#

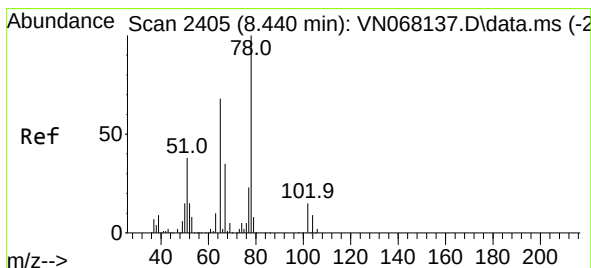
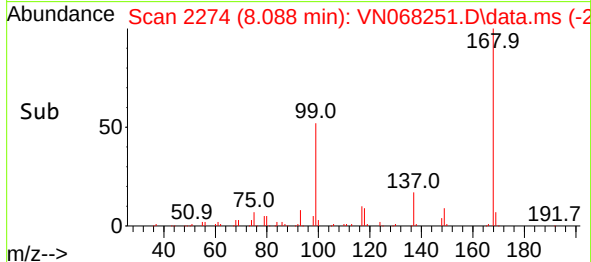
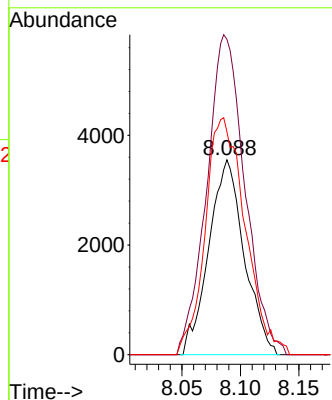
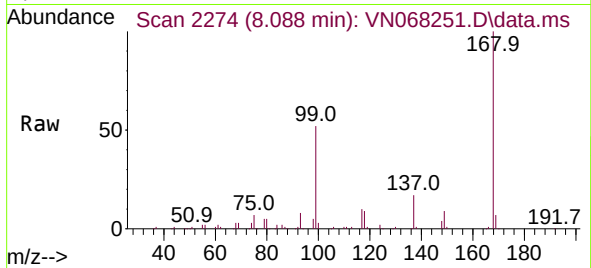




#31  
Cyclohexane  
Concen: 1.213 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.006 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

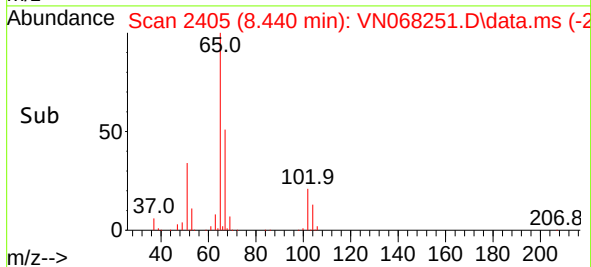
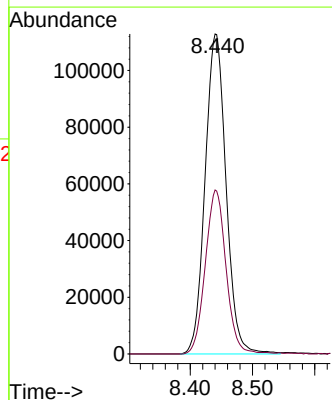
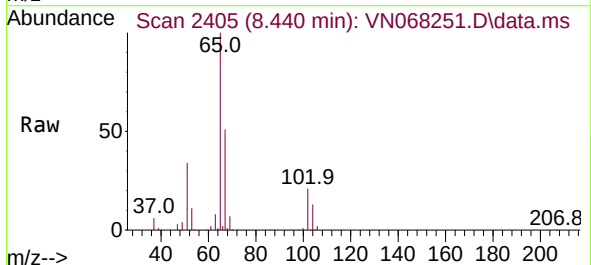
Instrument :  
MSVOA\_N  
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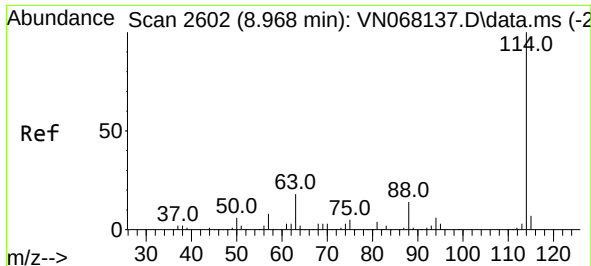
Tgt Ion: 56 Resp: 7509  
Ion Ratio Lower Upper  
56 100  
69 156.3 27.3 40.9#  
84 109.7 64.9 97.3#



#33  
1,2-Dichloroethane-d4  
Concen: 56.202 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 65 Resp: 264048  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 98.6

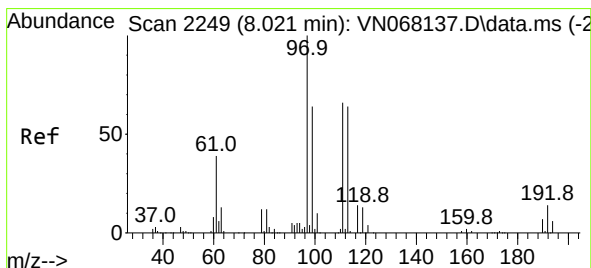
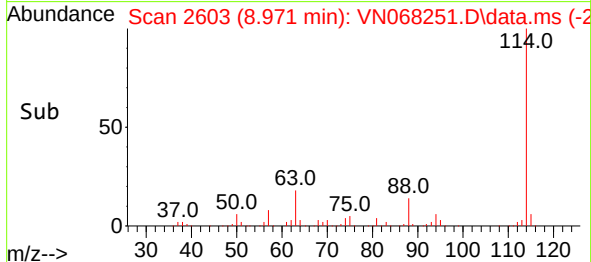
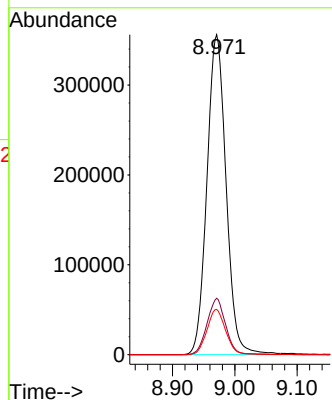
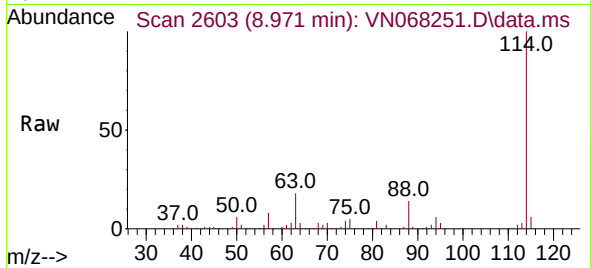




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

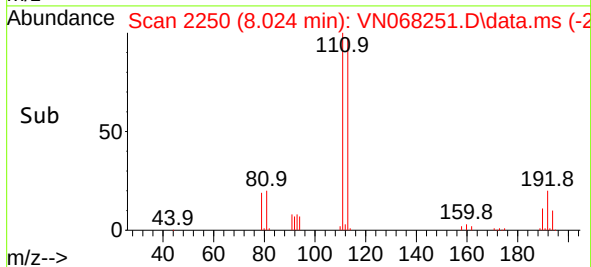
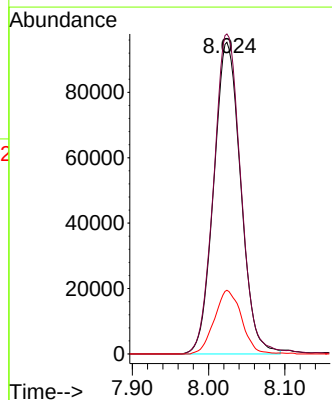
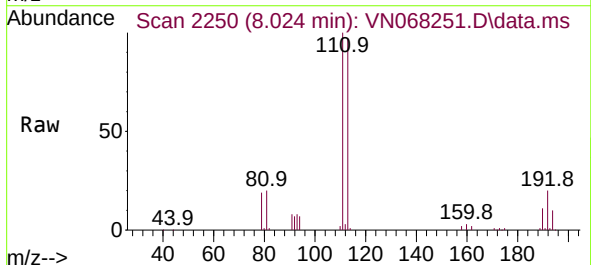
Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion:114 Resp: 760494  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 49.0  
88 14.2 0.0 36.6

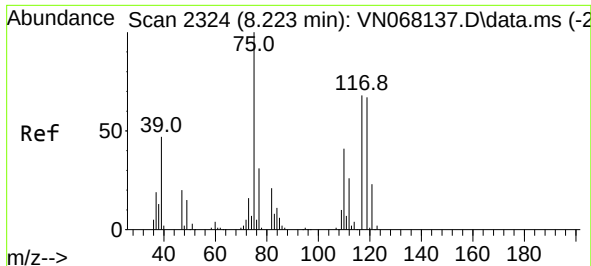


#35  
Dibromofluoromethane  
Concen: 48.940 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion:113 Resp: 233668  
Ion Ratio Lower Upper  
113 100  
111 103.5 83.8 125.8  
192 20.6 13.4 20.0#



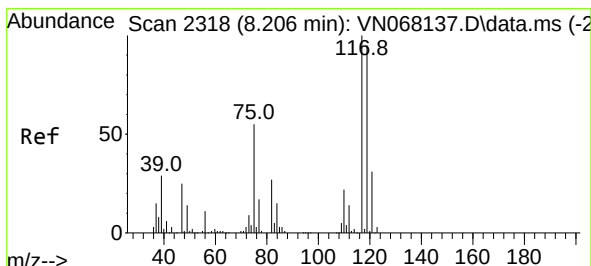
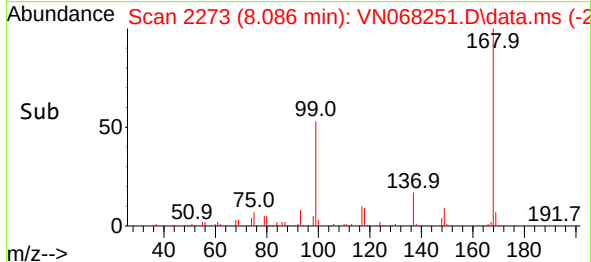
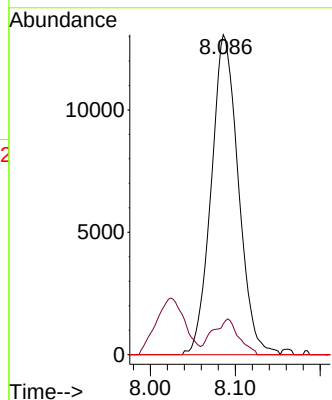
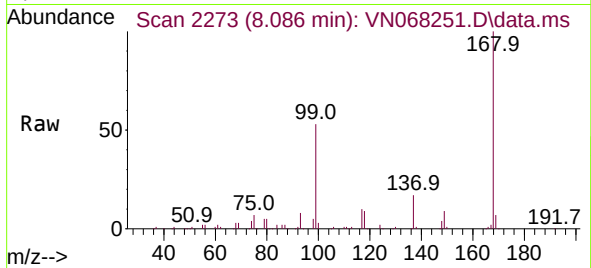




#36  
1,1-Dichloropropene  
Concen: 4.665 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.137 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

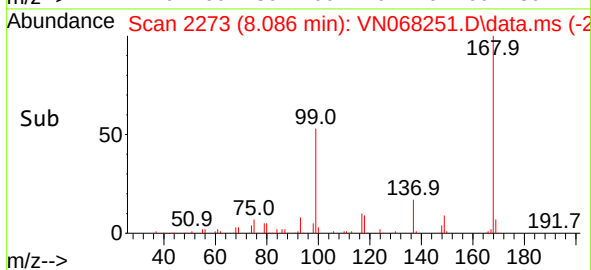
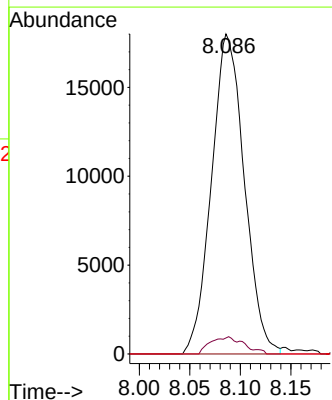
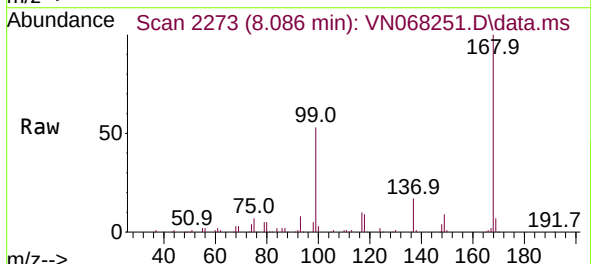
Instrument :  
MSVOA\_N  
ClientSampled :

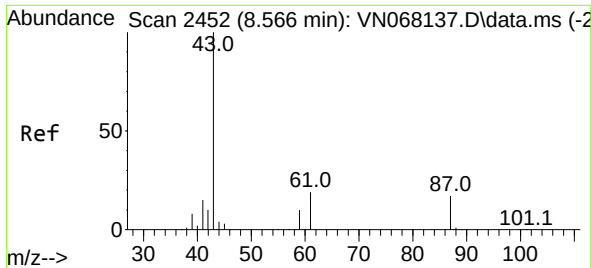
Tgt Ion: 75 Resp: 29003  
Ion Ratio Lower Upper  
75 100  
110 10.8 15.7 47.0#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.675 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.120 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 117 Resp: 40694  
Ion Ratio Lower Upper  
117 100  
119 5.0 75.4 113.2#  
121 0.0 23.5 35.3#

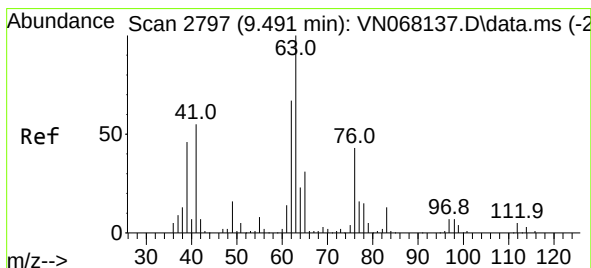
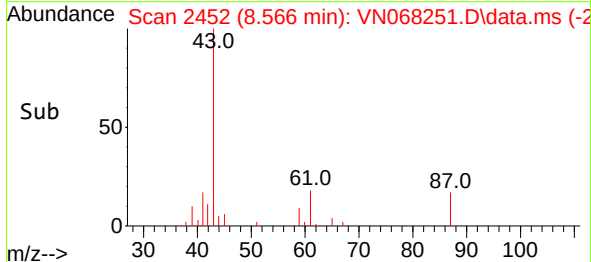
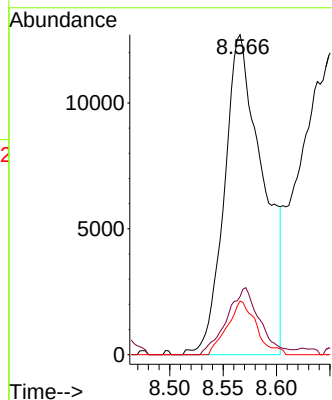
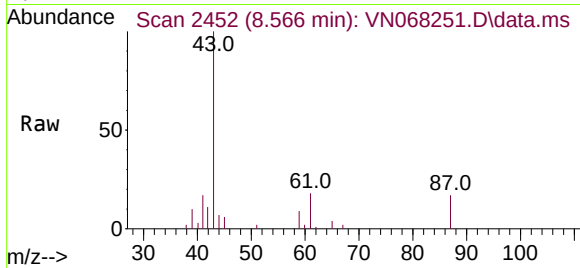




#43  
Isopropyl Acetate  
Concen: 3.745 ug/l  
RT: 8.566 min Scan# 2452  
Delta R.T. -0.000 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

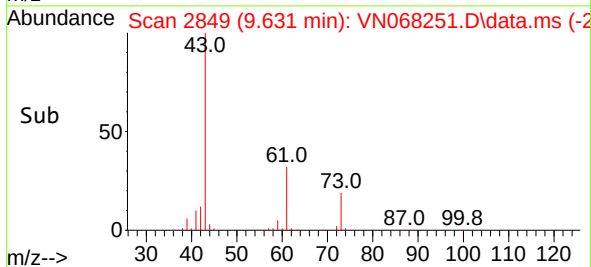
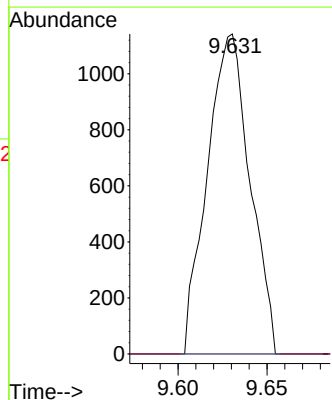
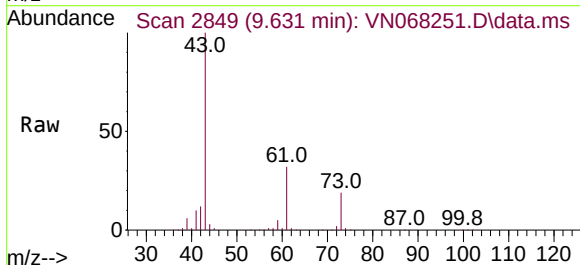
Instrument :  
MSVOA\_N  
ClientSampled :

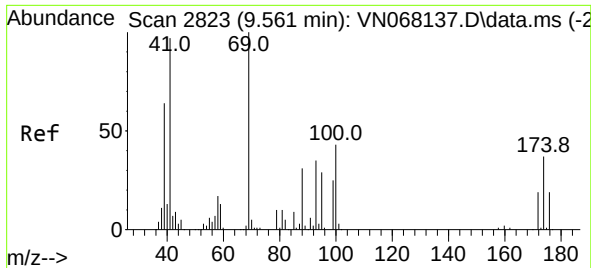
Tgt Ion: 43 Resp: 31772  
Ion Ratio Lower Upper  
43 100  
61 18.2 19.0 28.4#  
87 12.7 9.5 14.3



#45  
1,2-Dichloropropane  
Concen: 0.427 ug/l  
RT: 9.631 min Scan# 2849  
Delta R.T. 0.140 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 63 Resp: 1906  
Ion Ratio Lower Upper  
63 100  
65 0.0 24.3 36.5#

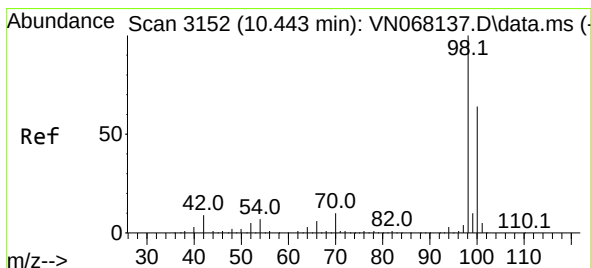
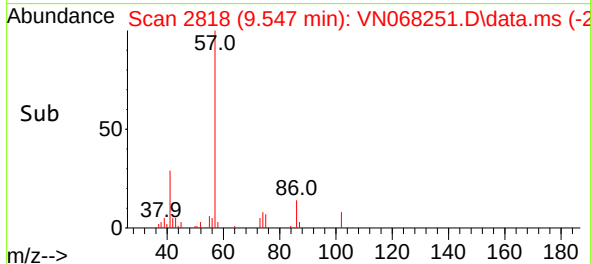
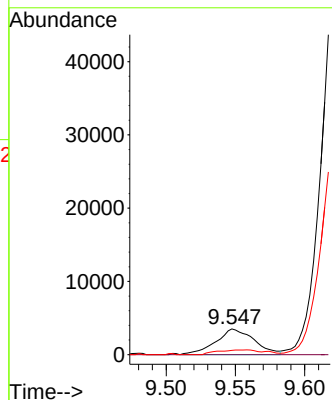
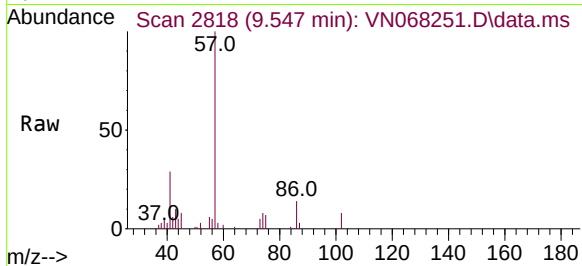




#48  
Methyl methacrylate  
Concen: 1.923 ug/l  
RT: 9.547 min Scan# 2818  
Delta R.T. -0.014 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

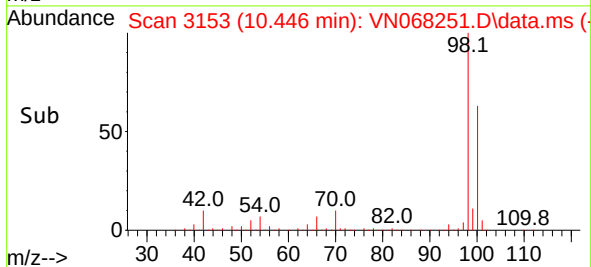
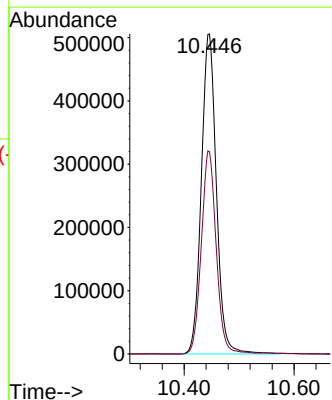
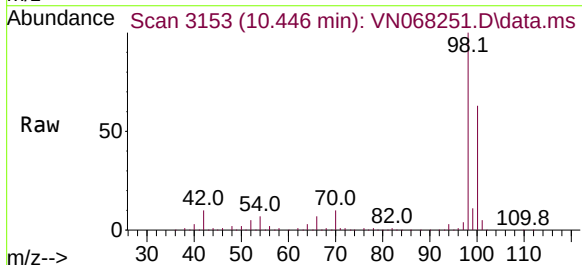
Instrument :  
MSVOA\_N  
ClientSampled :

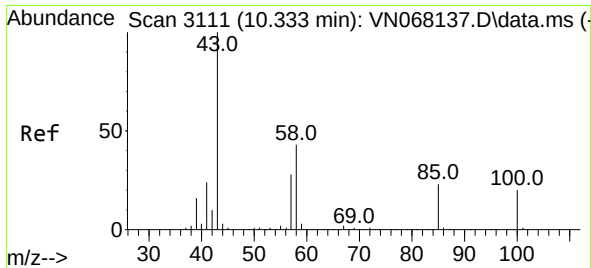
Tgt Ion: 41 Resp: 6797  
Ion Ratio Lower Upper  
41 100  
69 0.0 64.6 96.8#  
39 0.0 53.3 79.9#



#50  
Toluene-d8  
Concen: 52.838 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 98 Resp: 961278  
Ion Ratio Lower Upper  
98 100  
100 62.8 51.7 77.5

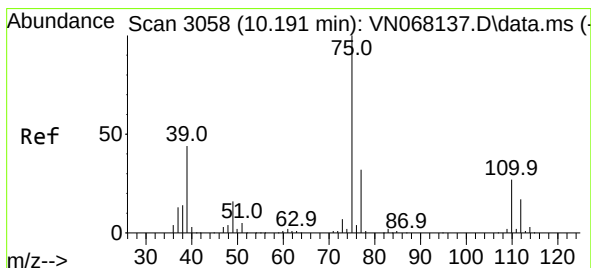
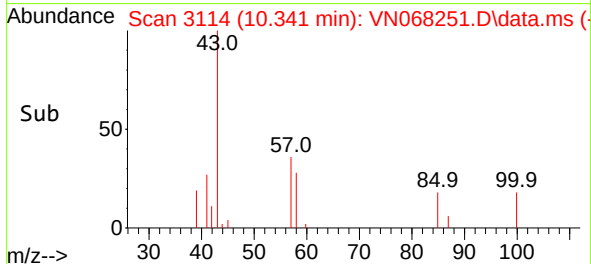
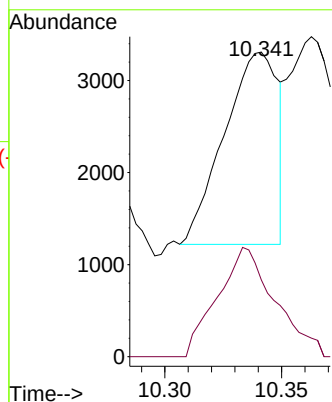
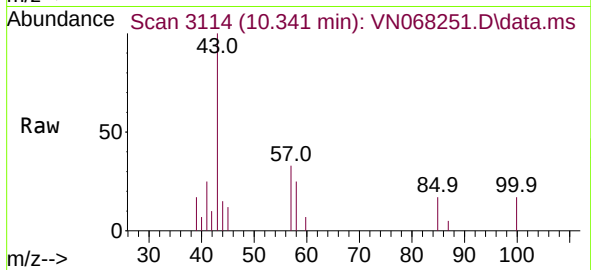




#51  
4-Methyl-2-Pentanone  
Concen: 0.640 ug/l  
RT: 10.341 min Scan# 3114  
Delta R.T. 0.008 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

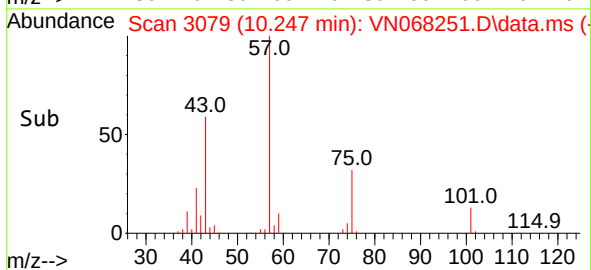
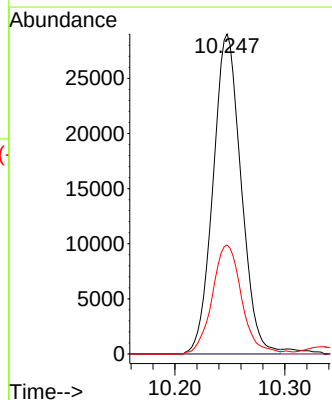
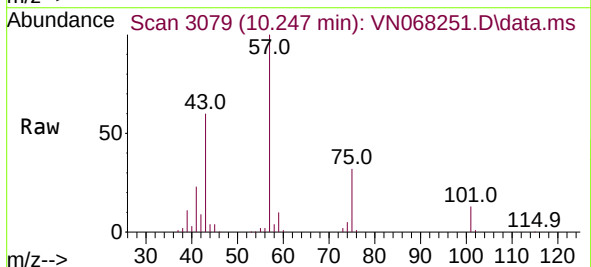
Instrument :  
MSVOA\_N  
ClientSampled :

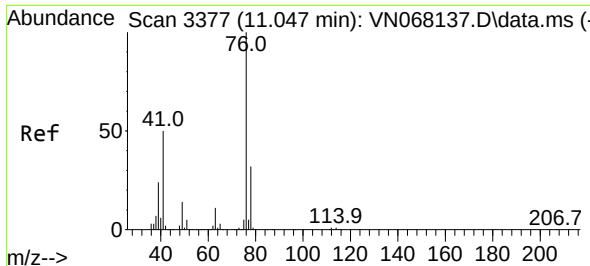
Tgt Ion: 43 Resp: 3333  
Ion Ratio Lower Upper  
43 100  
58 61.1 28.6 43.0#



#54  
cis-1,3-Dichloropropene  
Concen: 7.134 ug/l  
RT: 10.247 min Scan# 3079  
Delta R.T. 0.056 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 75 Resp: 51363  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.6 37.0#  
39 34.0 50.7 76.1#

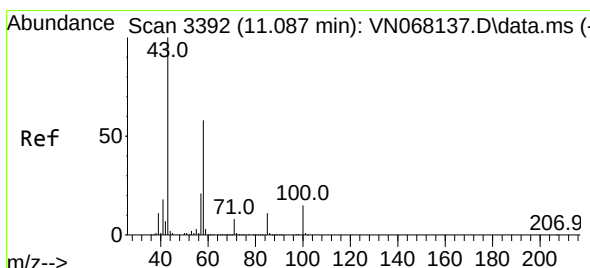
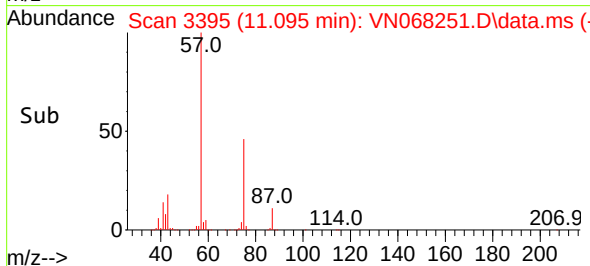
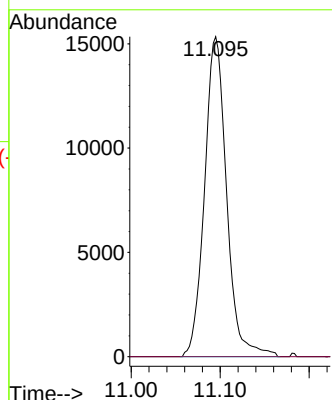
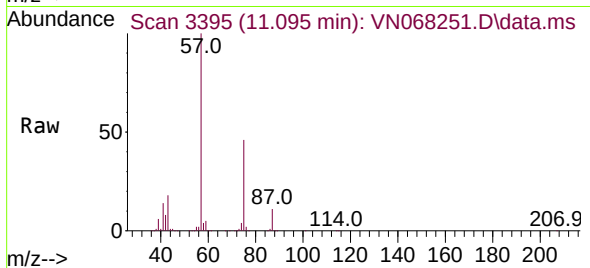




#57  
1,3-Dichloropropane  
Concen: 3.316 ug/l  
RT: 11.095 min Scan# 3395  
Delta R.T. 0.048 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

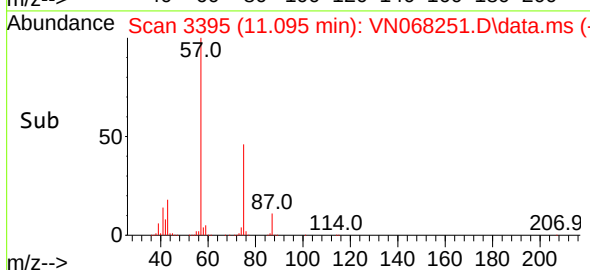
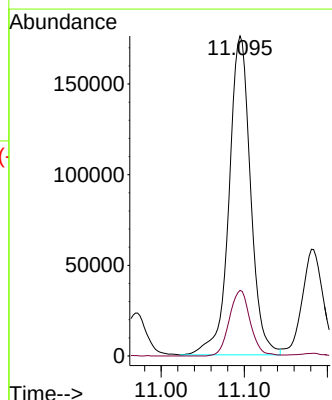
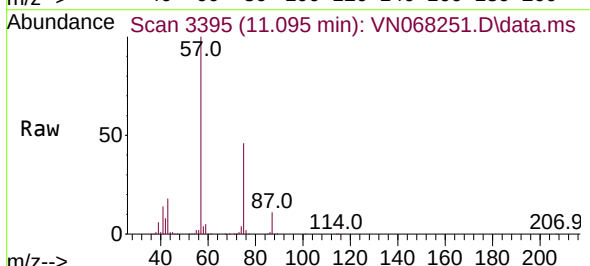
Instrument :  
MSVOA\_N  
ClientSampled :

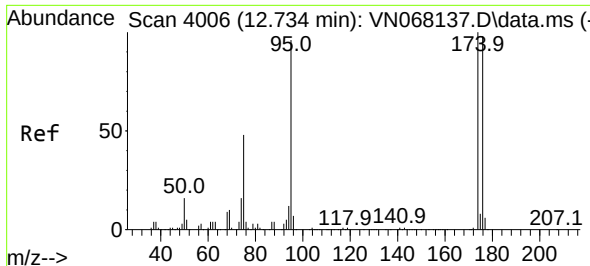
Tgt Ion: 76 Resp: 26404  
Ion Ratio Lower Upper  
76 100  
78 0.0 25.7 38.5#



#59  
2-Hexanone  
Concen: 87.524 ug/l  
RT: 11.095 min Scan# 3395  
Delta R.T. 0.008 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 43 Resp: 316707  
Ion Ratio Lower Upper  
43 100  
58 20.0 24.7 74.1#

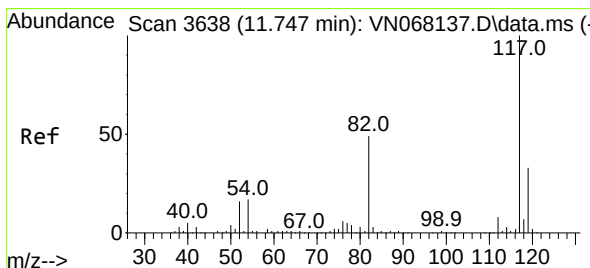
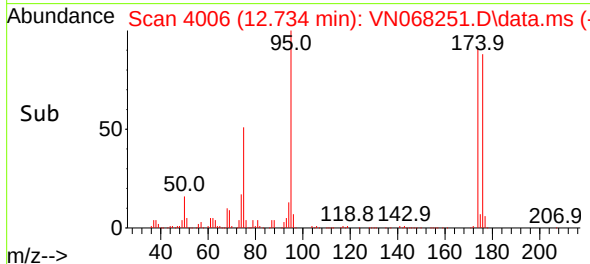
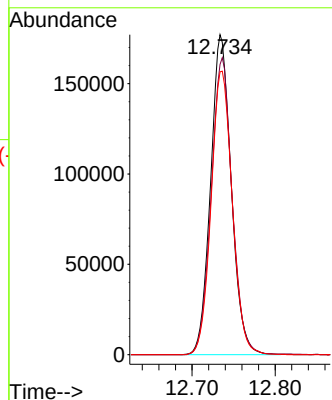
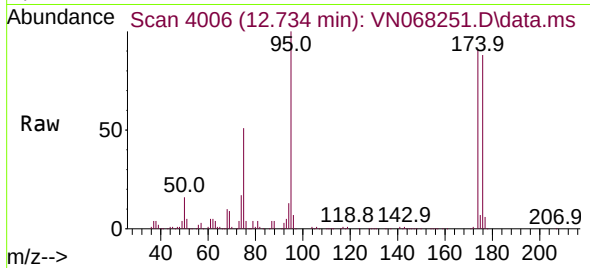




#62  
4-Bromofluorobenzene  
Concen: 50.406 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

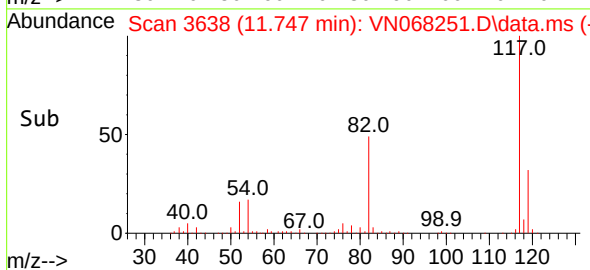
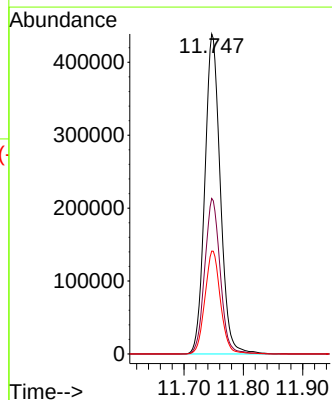
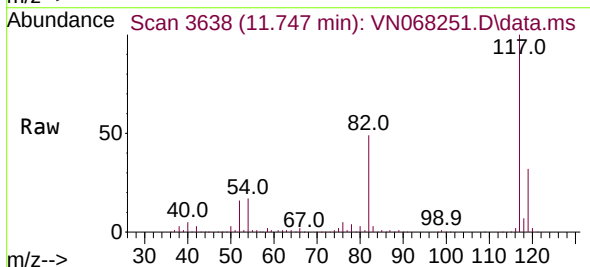
Instrument :  
MSVOA\_N  
ClientSampleId :

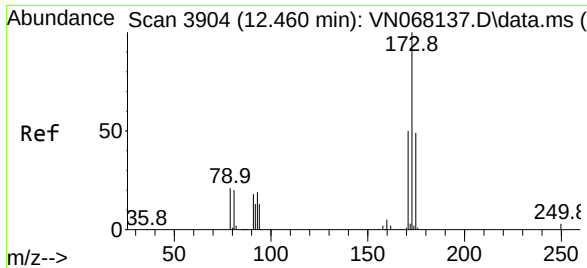
Tgt Ion: 95 Resp: 305272  
Ion Ratio Lower Upper  
95 100  
174 94.5 0.0 122.0  
176 91.1 0.0 117.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 117 Resp: 792329  
Ion Ratio Lower Upper  
117 100  
82 48.6 53.1 79.7#  
119 32.2 25.5 38.3

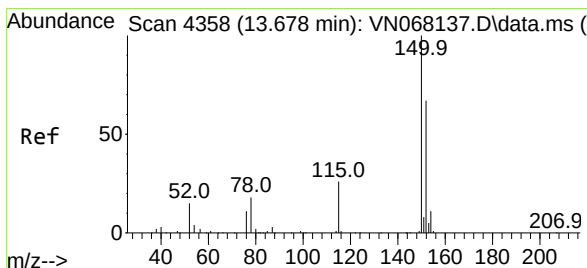
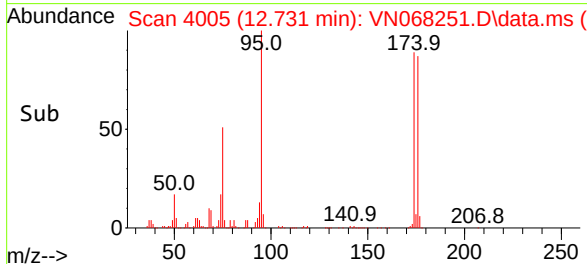
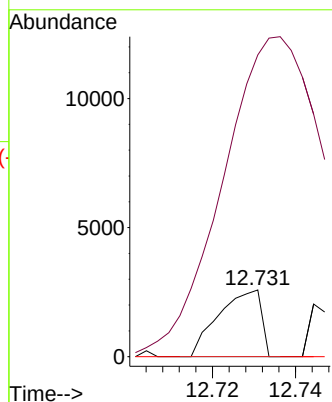
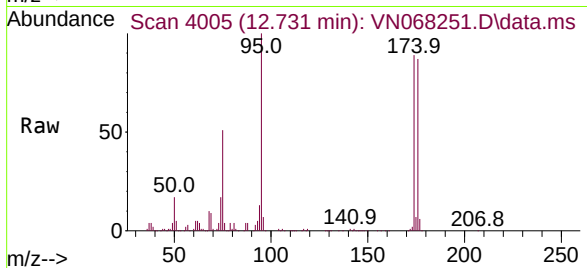




#71  
Bromoform  
Concen: 0.376 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. 0.271 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

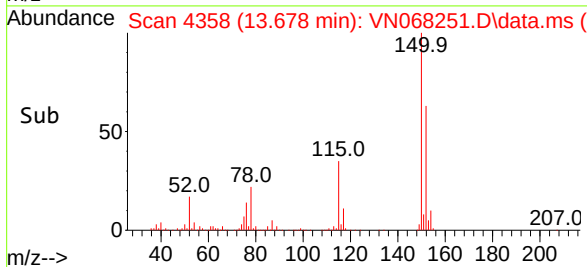
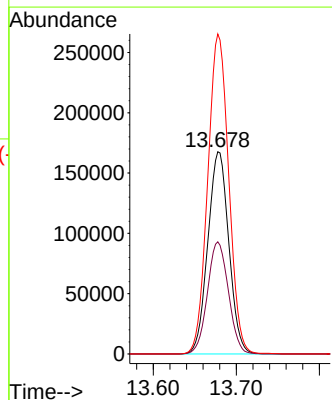
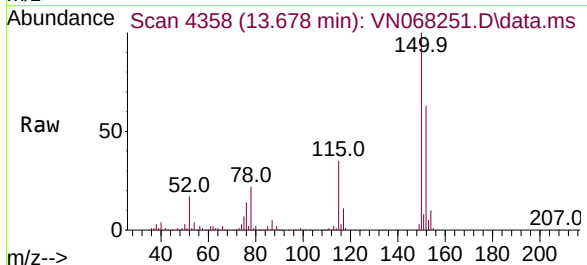
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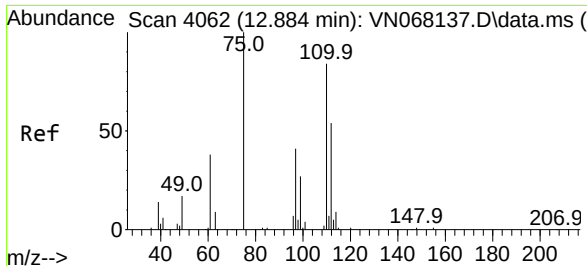
Tgt Ion:173 Resp: 1843  
Ion Ratio Lower Upper  
173 100  
175 1081.8 23.9 71.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. -0.000 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion:152 Resp: 294301  
Ion Ratio Lower Upper  
152 100  
115 55.3 36.1 108.5  
150 157.6 0.0 351.8

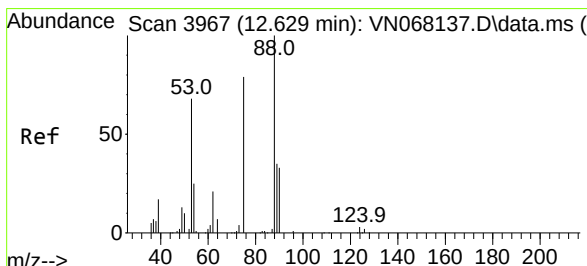
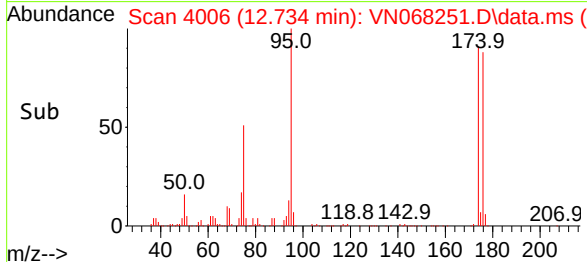
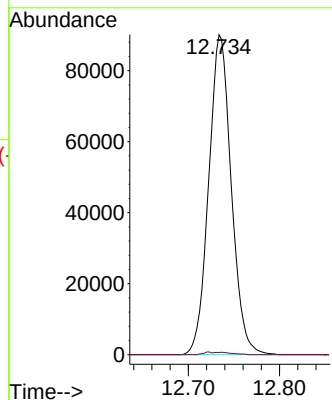
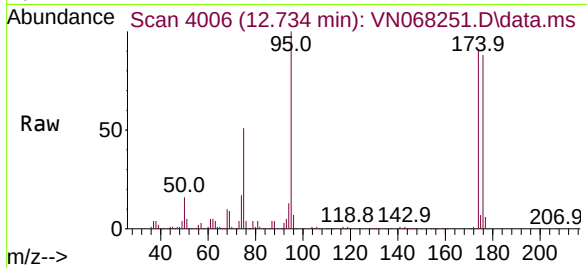




#76  
1,2,3-Trichloropropane  
Concen: 31.658 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.150 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

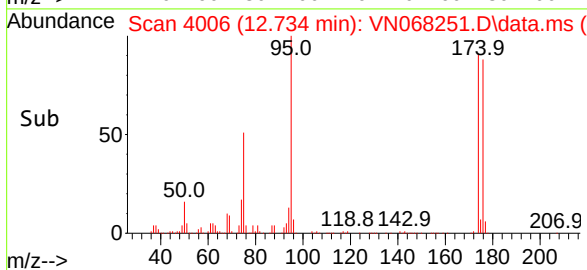
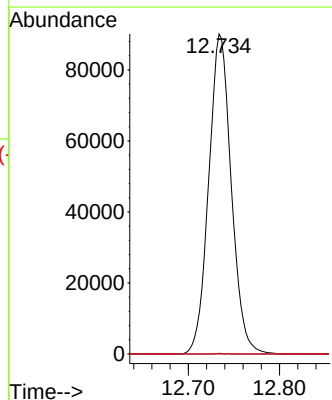
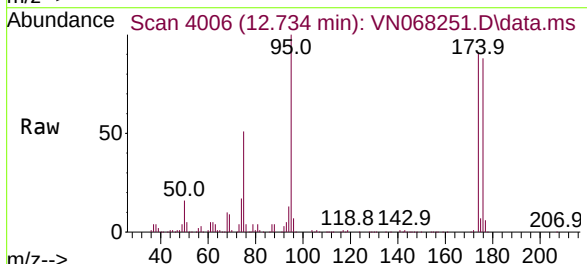
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 154858  
Ion Ratio Lower Upper  
75 100  
77 0.4 0.0 0.0#

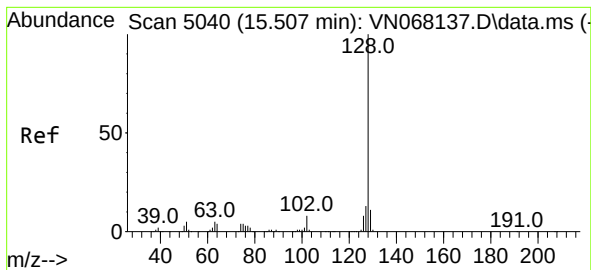


#81  
trans-1,4-Dichloro-2-butene  
Concen: 103.717 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.105 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Tgt Ion: 75 Resp: 154858  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.6 131.4#  
89 0.0 37.8 56.8#

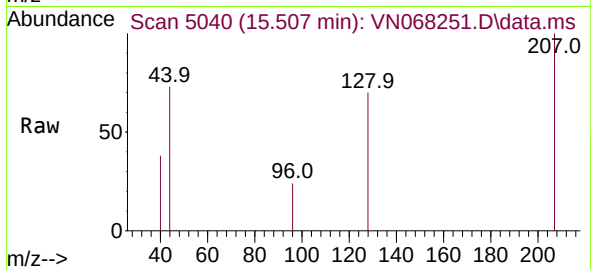






#95  
Naphthalene  
Concen: 3.392 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN068251.D  
Acq: 20 Aug 2021 17:41

Instrument :  
MSVOA\_N  
ClientSampleId :



|           |     |       |       |
|-----------|-----|-------|-------|
| Tgt Ion:  | 128 | Resp: | 593   |
| Ion Ratio | 100 | Lower | Upper |
| 128       | 100 |       |       |
| 127       | 0.0 | 10.6  | 15.8# |
| 129       | 0.0 | 8.6   | 12.8# |

