

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101321\  
 Data File : VN068906.D  
 Acq On : 13 Oct 2021 18:54  
 Operator : JC/MD  
 Sample : M4192-07 10X  
 Misc : 5.48g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HAR-8

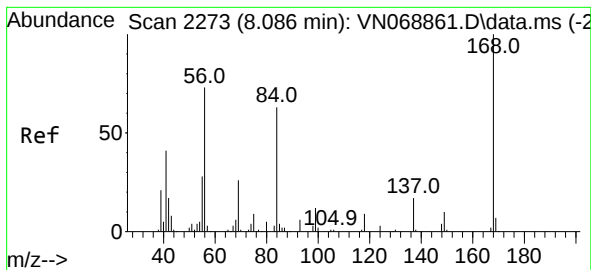
Quant Time: Oct 14 06:44:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 8.085          | 168  | 427956     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.968          | 114  | 680432     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.746         | 117  | 618501     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.677         | 152  | 233077     | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440          | 65   | 242794     | 43.030   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 86.060%  |        |          |
| 35) Dibromofluoromethane      | 8.021          | 113  | 200367     | 50.613   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 101.220% |        |          |
| 50) Toluene-d8                | 10.443         | 98   | 829542     | 52.371   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 104.740% |        |          |
| 62) 4-Bromofluorobenzene      | 12.733         | 95   | 282531     | 47.276   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 94.560%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      | Qvalue     |          |        |          |
| 13) Acrolein                  | 4.033          | 56   | 114        | 0.250    | ug/l   | 86       |
| 16) Acetone                   | 4.299          | 43   | 750        | 0.356    | ug/l   | 95       |
| 20) Methylene Chloride        | 5.092          | 84   | 2588       | 0.534    | ug/l # | 83       |
| 31) Cyclohexane               | 8.085          | 56   | 8741       | 0.996    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.085          | 75   | 31620      | 5.441    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.085          | 117  | 42132      | 6.601    | ug/l # | 16       |
| 71) Bromoform                 | 12.736         | 173  | 2450       | 0.668    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.733         | 75   | 141842     | 28.602   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.733         | 75   | 141842     | 68.428   | ug/l # | 12       |
| 95) Naphthalene               | 15.509         | 128  | 2732       | 4.045    | ug/l # | 92       |
| -----                         |                |      |            |          |        |          |

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

Quant Time: Oct 14 06:44:04 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 13 05:44:40 2021  
Response via : Initial Calibration

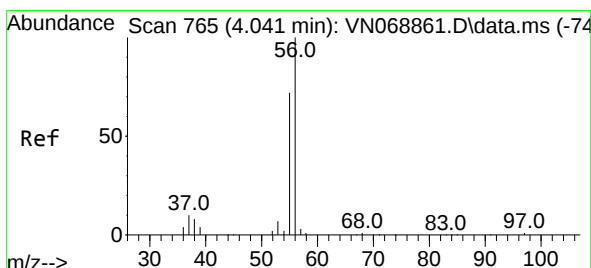
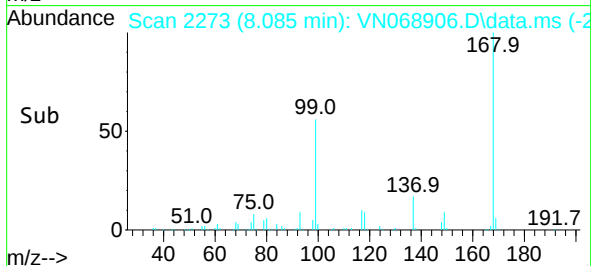
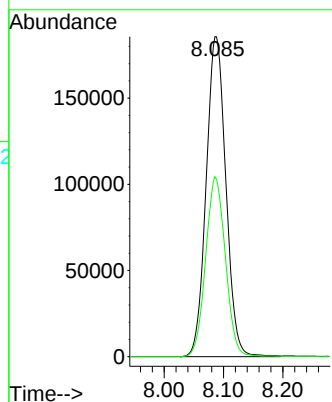
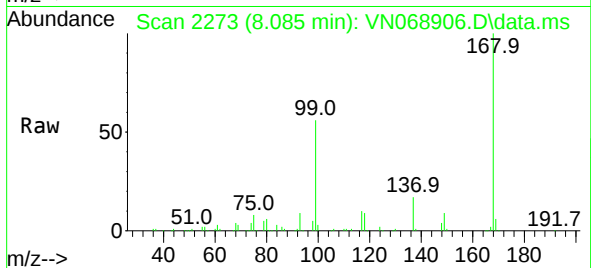




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.085 min Scan# 2273  
Delta R.T. -0.001 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

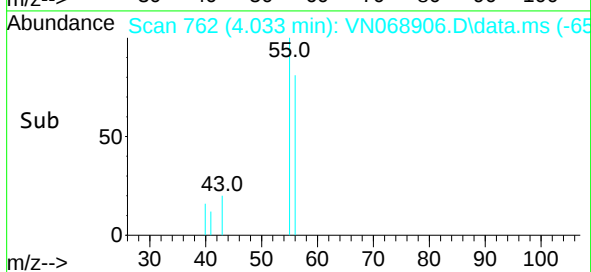
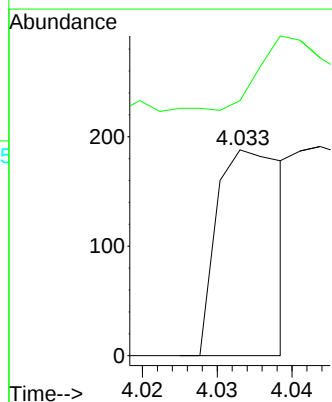
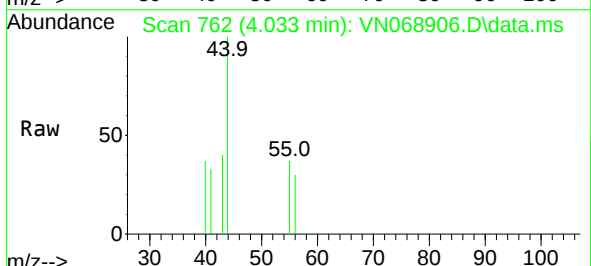
Instrument :  
MSVOA\_N  
ClientSampled :  
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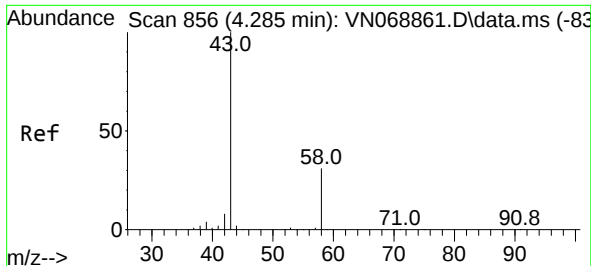
Tgt Ion:168 Resp: 427956  
Ion Ratio Lower Upper  
168 100  
99 56.2 48.9 73.3



#13  
Acrolein  
Concen: 0.250 ug/l  
RT: 4.033 min Scan# 762  
Delta R.T. -0.008 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

Tgt Ion: 56 Resp: 114  
Ion Ratio Lower Upper  
56 100  
55 84.2 58.1 87.1

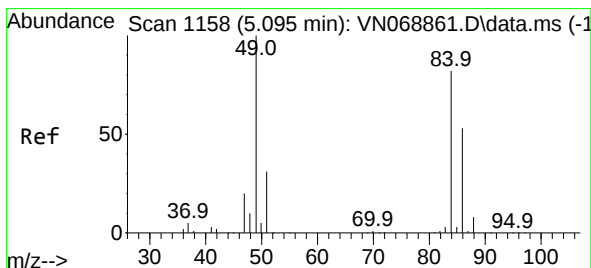
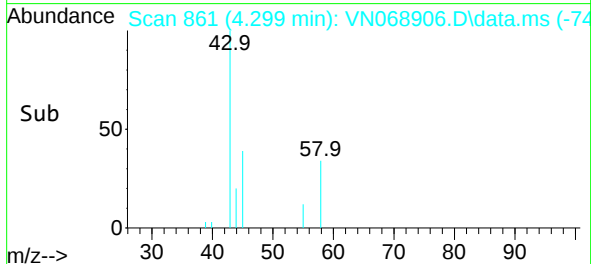
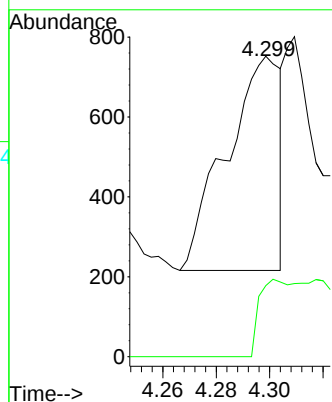
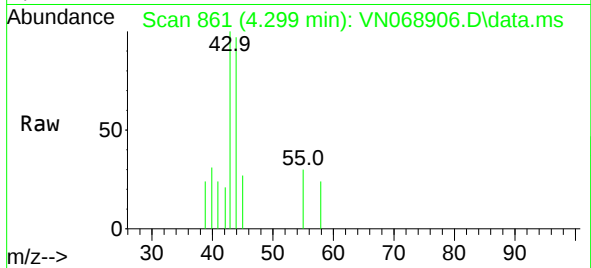




#16  
Acetone  
Concen: 0.356 ug/l  
RT: 4.299 min Scan# 861  
Delta R.T. 0.013 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

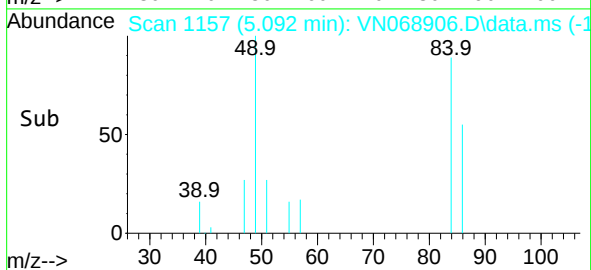
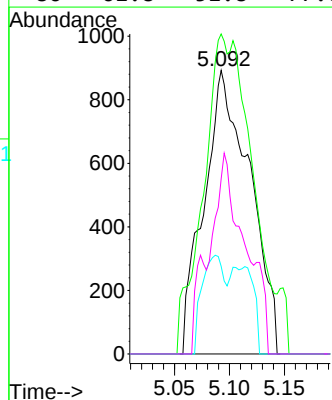
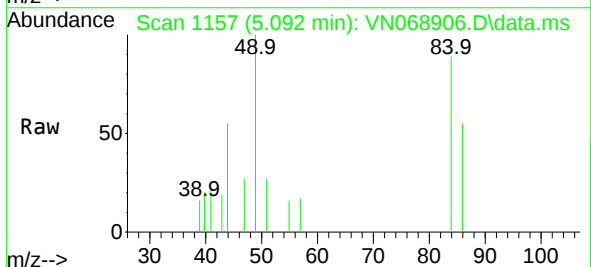
Instrument :  
MSVOA\_N  
ClientSampled :  
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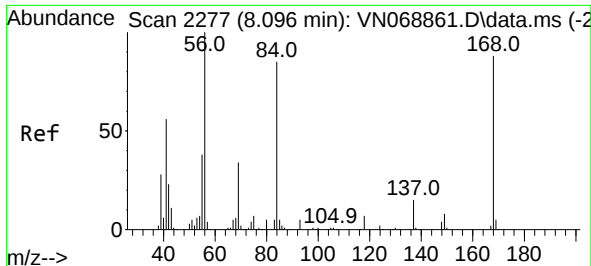
Tgt Ion: 43 Resp: 750  
Ion Ratio Lower Upper  
43 100  
58 33.2 24.5 36.7



#20  
Methylene Chloride  
Concen: 0.534 ug/l  
RT: 5.092 min Scan# 1157  
Delta R.T. -0.003 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

Tgt Ion: 84 Resp: 2588  
Ion Ratio Lower Upper  
84 100  
49 93.0 97.6 146.4#  
51 30.9 30.3 45.5  
86 61.8 51.8 77.6

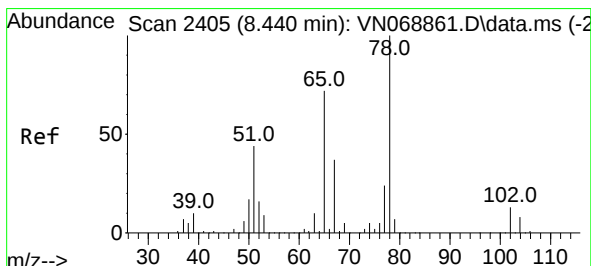
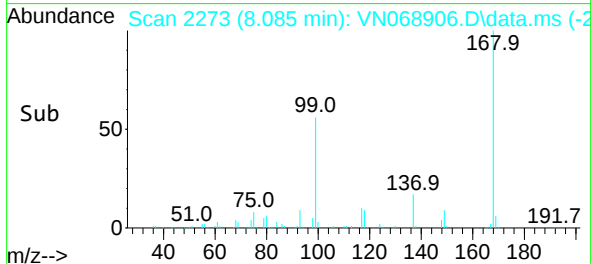
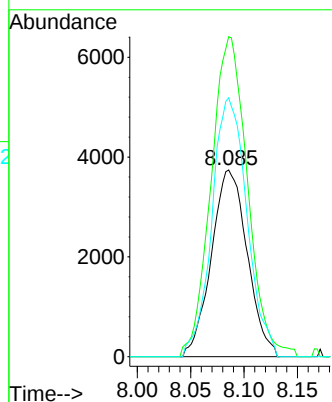
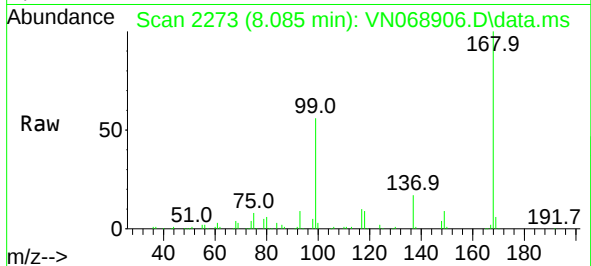




#31  
Cyclohexane  
Concen: 0.996 ug/l  
RT: 8.085 min Scan# 2273  
Delta R.T. -0.011 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

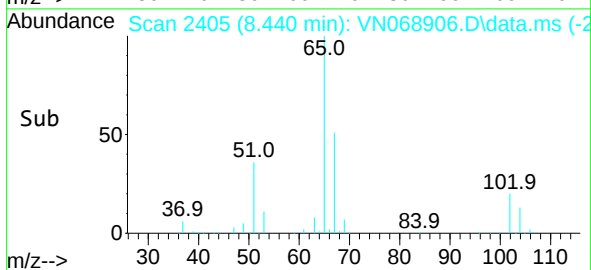
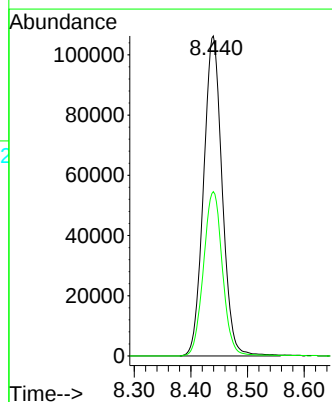
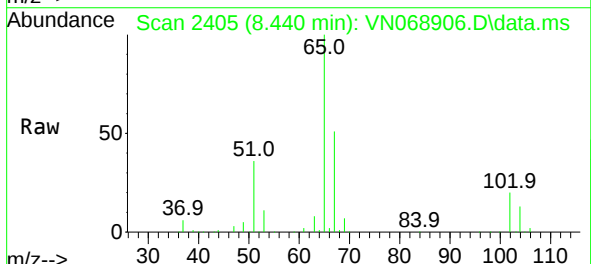
Instrument :  
MSVOA\_N  
ClientSampled :  
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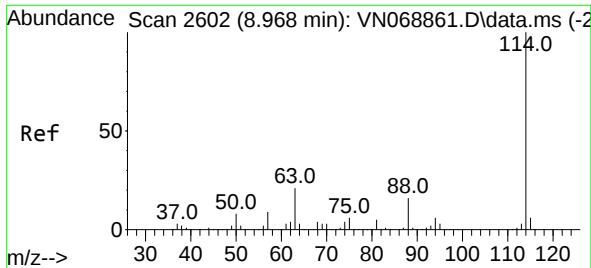
Tgt Ion: 56 Resp: 8741  
Ion Ratio Lower Upper  
56 100  
69 171.4 26.9 40.3#  
84 138.7 67.6 101.4#



#33  
1,2-Dichloroethane-d4  
Concen: 43.030 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

Tgt Ion: 65 Resp: 242794  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 103.8

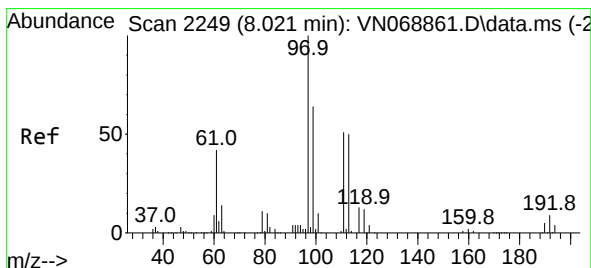
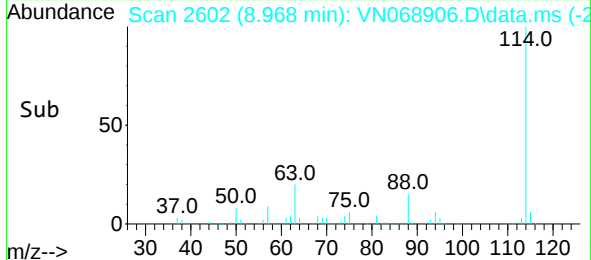
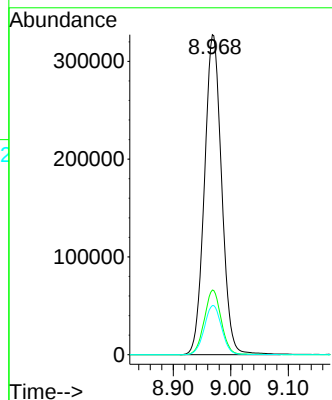
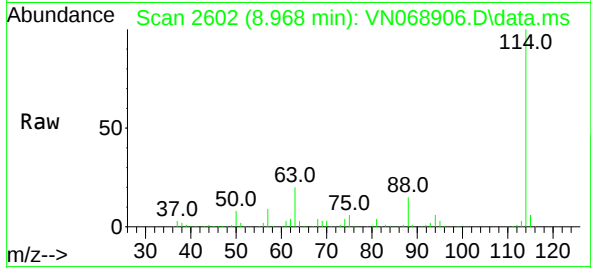




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 2602  
Delta R.T. -0.000 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

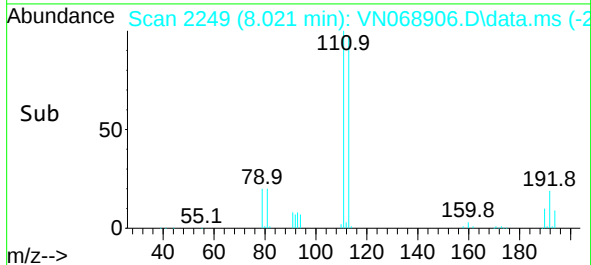
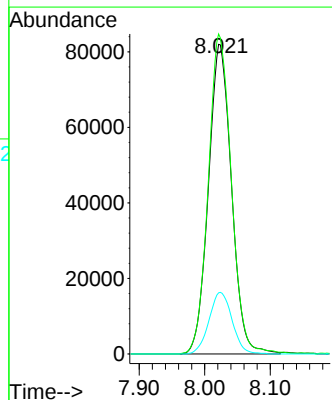
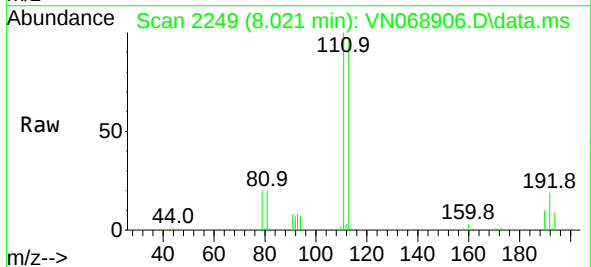
Instrument :  
MSVOA\_N  
ClientSampled :  
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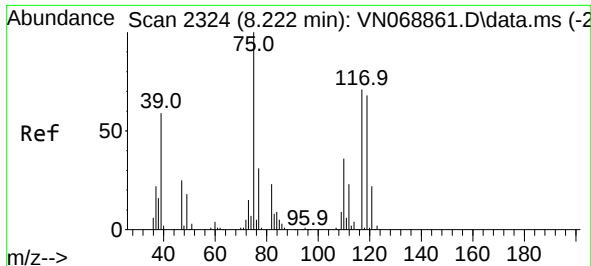
Tgt Ion:114 Resp: 680432  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 42.6  
88 15.4 0.0 32.0



#35  
Dibromofluoromethane  
Concen: 50.613 ug/l  
RT: 8.021 min Scan# 2249  
Delta R.T. -0.000 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

Tgt Ion:113 Resp: 200367  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.2 124.8  
192 19.9 15.0 22.4

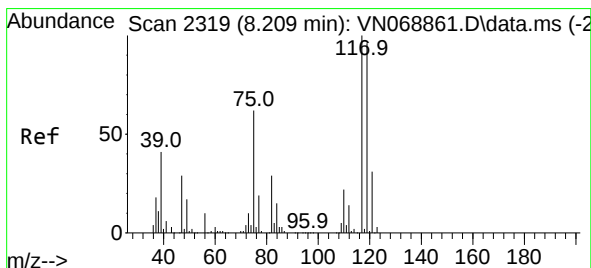
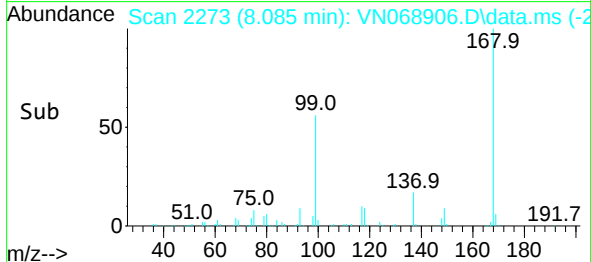
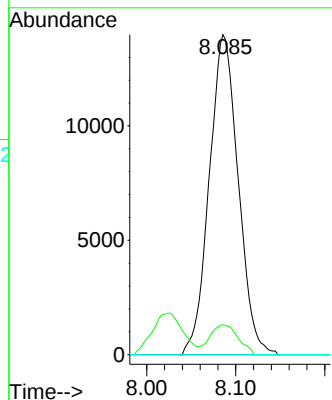
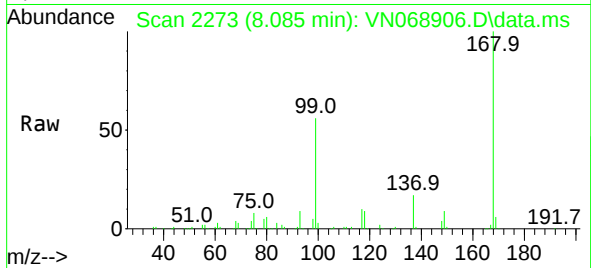




#36  
1,1-Dichloropropene  
Concen: 5.441 ug/l  
RT: 8.085 min Scan# 2273  
Delta R.T. -0.137 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

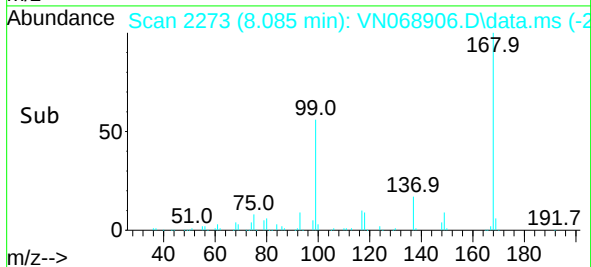
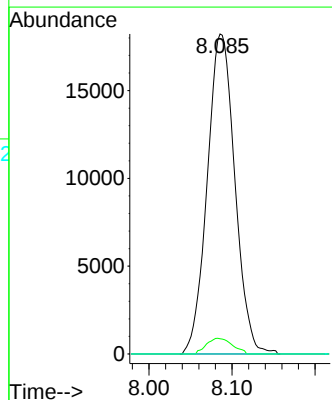
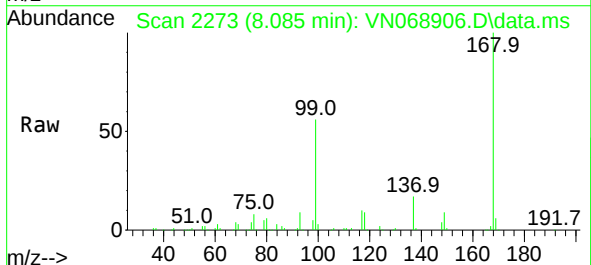
Instrument :  
MSVOA\_N  
ClientSampled :  
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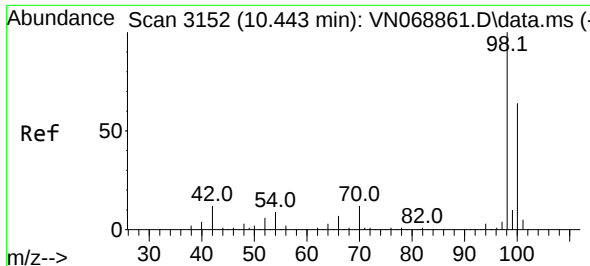
Tgt Ion: 75 Resp: 31620  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.9 53.8#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.601 ug/l  
RT: 8.085 min Scan# 2273  
Delta R.T. -0.123 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

Tgt Ion: 117 Resp: 42132  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.9 115.3#  
121 0.0 24.6 37.0#

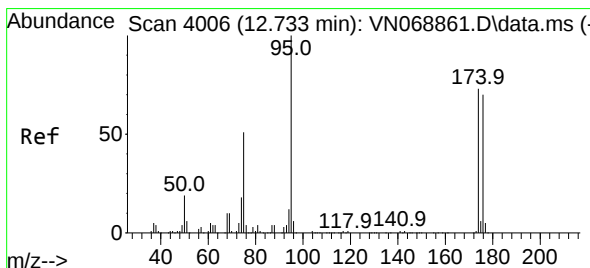
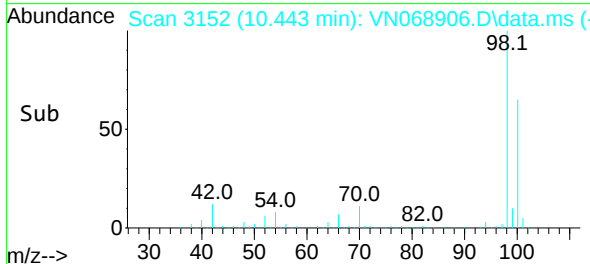
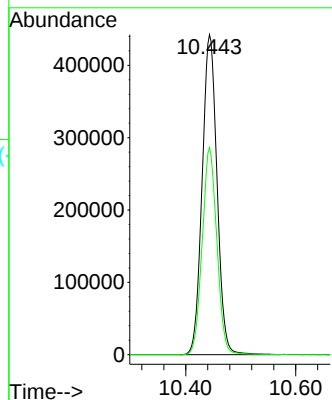
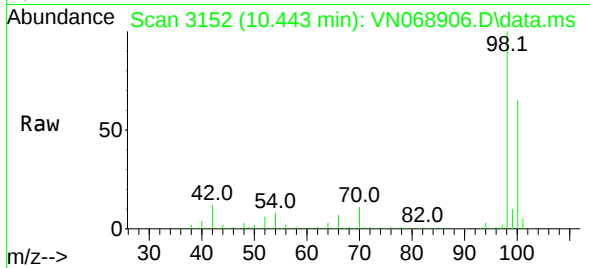




#50  
Toluene-d8  
Concen: 52.371 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

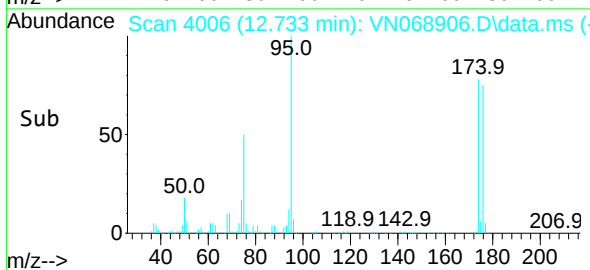
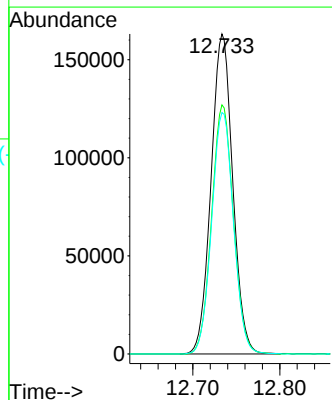
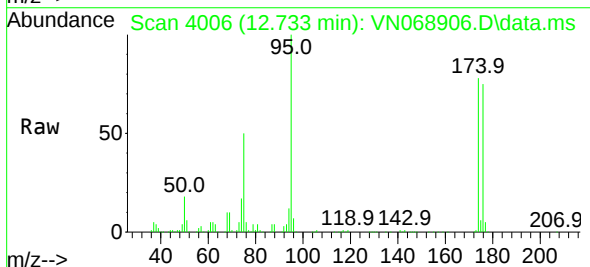
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ClientSampled :  
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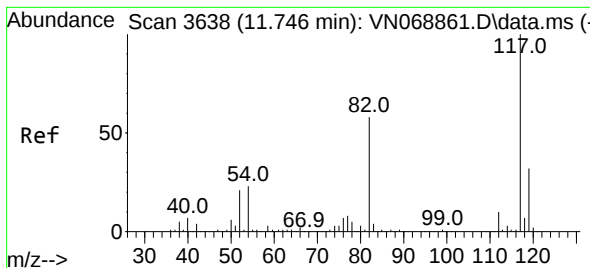
Tgt Ion: 98 Resp: 829542  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 47.276 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

Tgt Ion: 95 Resp: 282531  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 144.8  
176 75.9 0.0 140.0

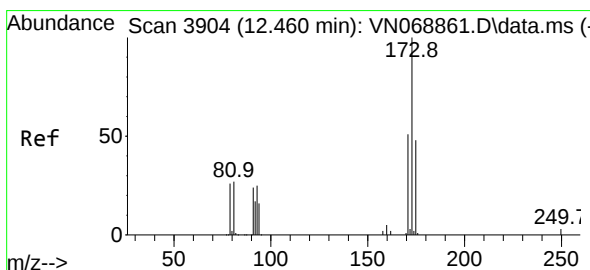
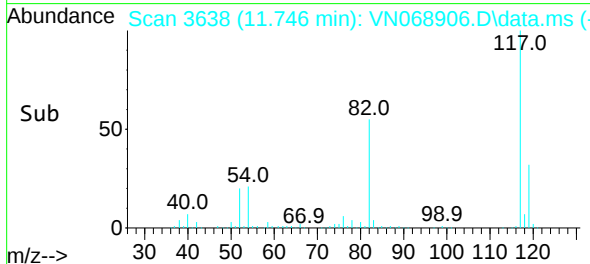
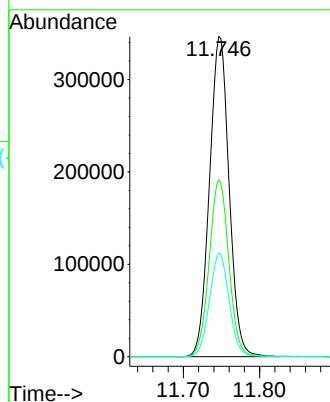
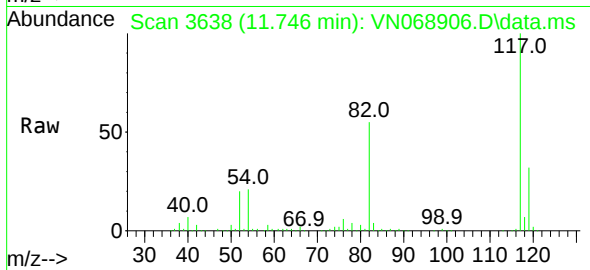




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

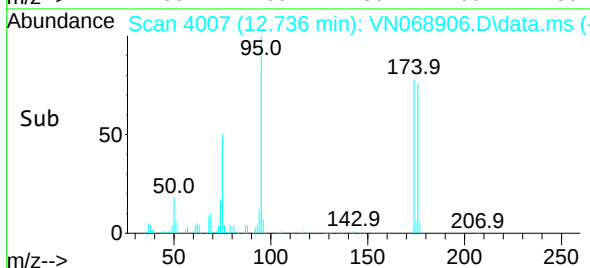
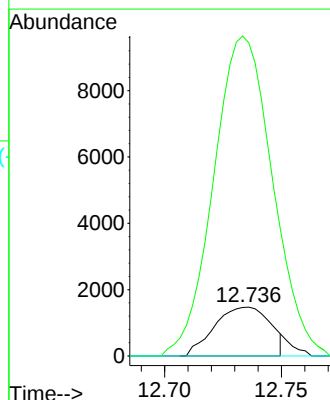
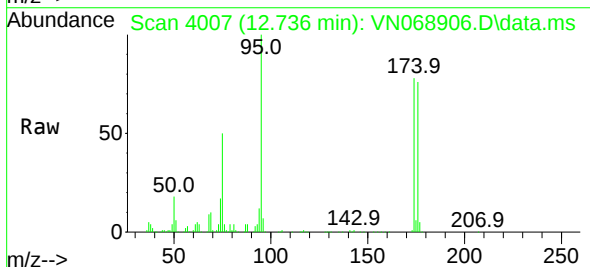
Instrument :  
MSVOA\_N  
ClientSampleId :  
HAR-8

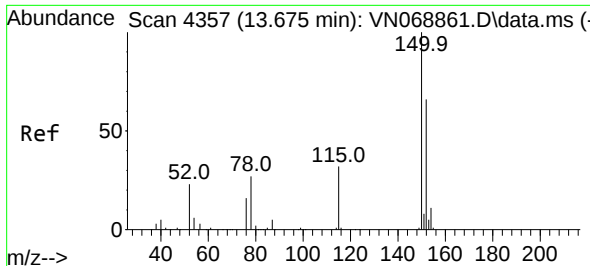
Tgt Ion:117 Resp: 618501  
Ion Ratio Lower Upper  
117 100  
82 55.3 46.4 69.6  
119 32.3 26.0 39.0



#71  
Bromoform  
Concen: 0.668 ug/l  
RT: 12.736 min Scan# 4007  
Delta R.T. 0.276 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

Tgt Ion:173 Resp: 2450  
Ion Ratio Lower Upper  
173 100  
175 639.1 23.8 71.5#  
254 0.0 0.0 0.0

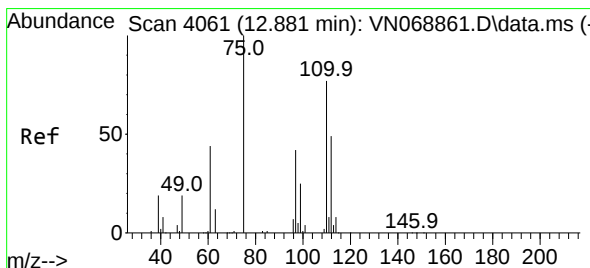
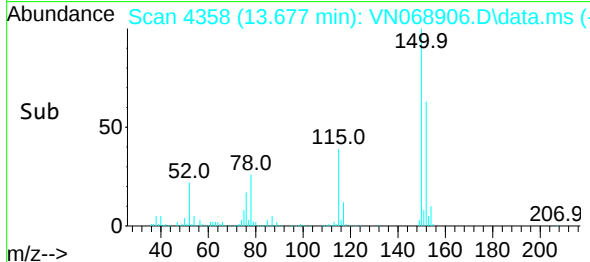
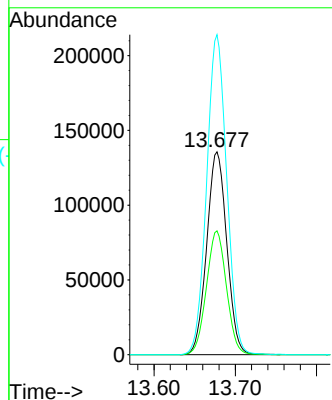
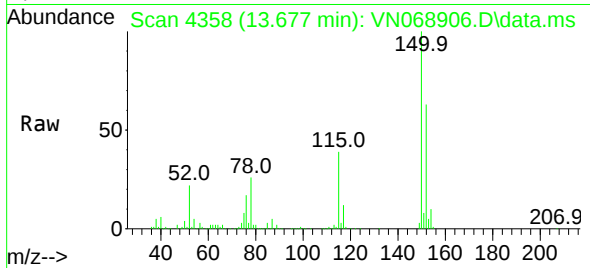




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

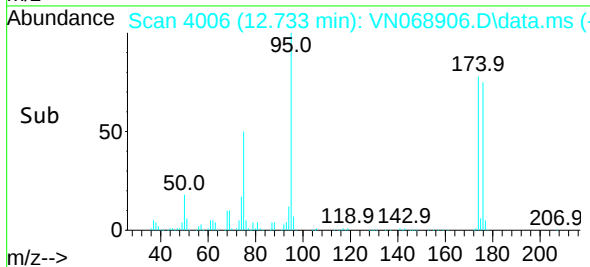
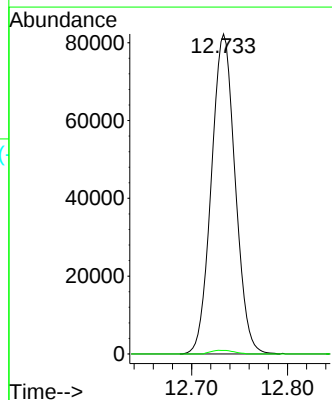
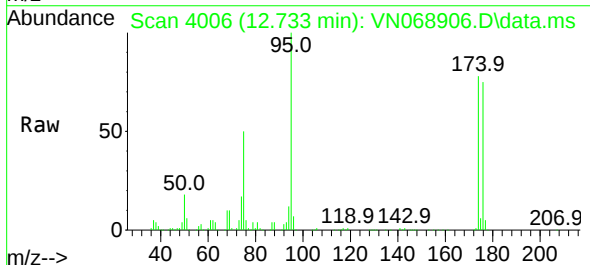
Instrument :  
MSVOA\_N  
ClientSampled :  
HAR-8

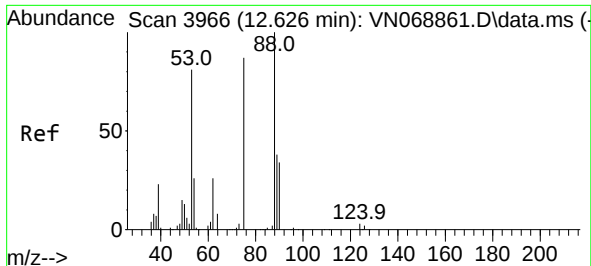
Tgt Ion:152 Resp: 233077  
Ion Ratio Lower Upper  
152 100  
115 60.8 31.4 94.3  
150 157.4 0.0 351.0



#76  
1,2,3-Trichloropropane  
Concen: 28.602 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.148 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

Tgt Ion: 75 Resp: 141842  
Ion Ratio Lower Upper  
75 100  
77 1.1 96.2 288.4#

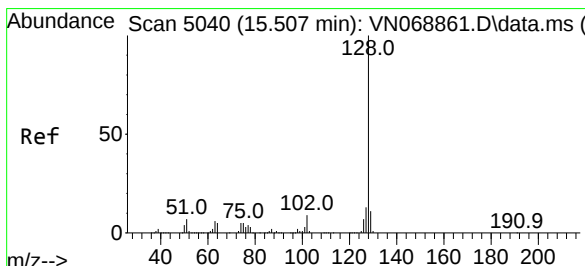
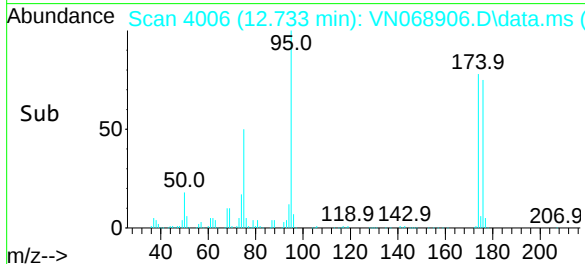
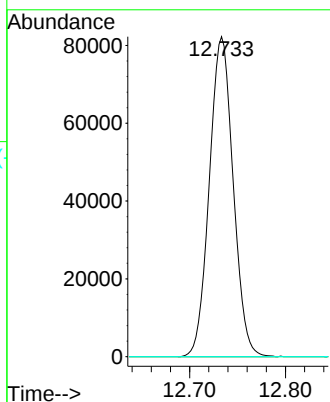
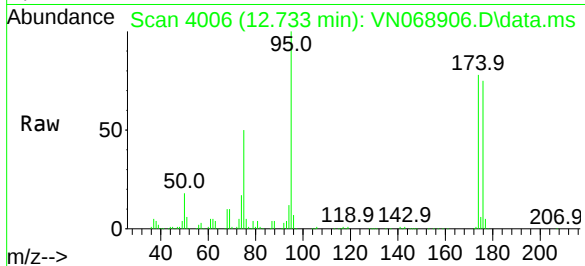




#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.428 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.107 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

Instrument :  
MSVOA\_N  
ClientSampled :  
HAR-8

Tgt Ion: 75 Resp: 141842  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.4 113.2#  
89 0.0 36.9 55.3#



#95  
Naphthalene  
Concen: 4.045 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.002 min  
Lab File: VN068906.D  
Acq: 13 Oct 2021 18:54

Tgt Ion: 128 Resp: 2732  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.5 15.7  
129 4.8 8.9 13.3#

