

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100121\  
 Data File : VN068794.D  
 Acq On : 1 Oct 2021 19:49  
 Operator : JC/MD  
 Sample : M4040-07  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

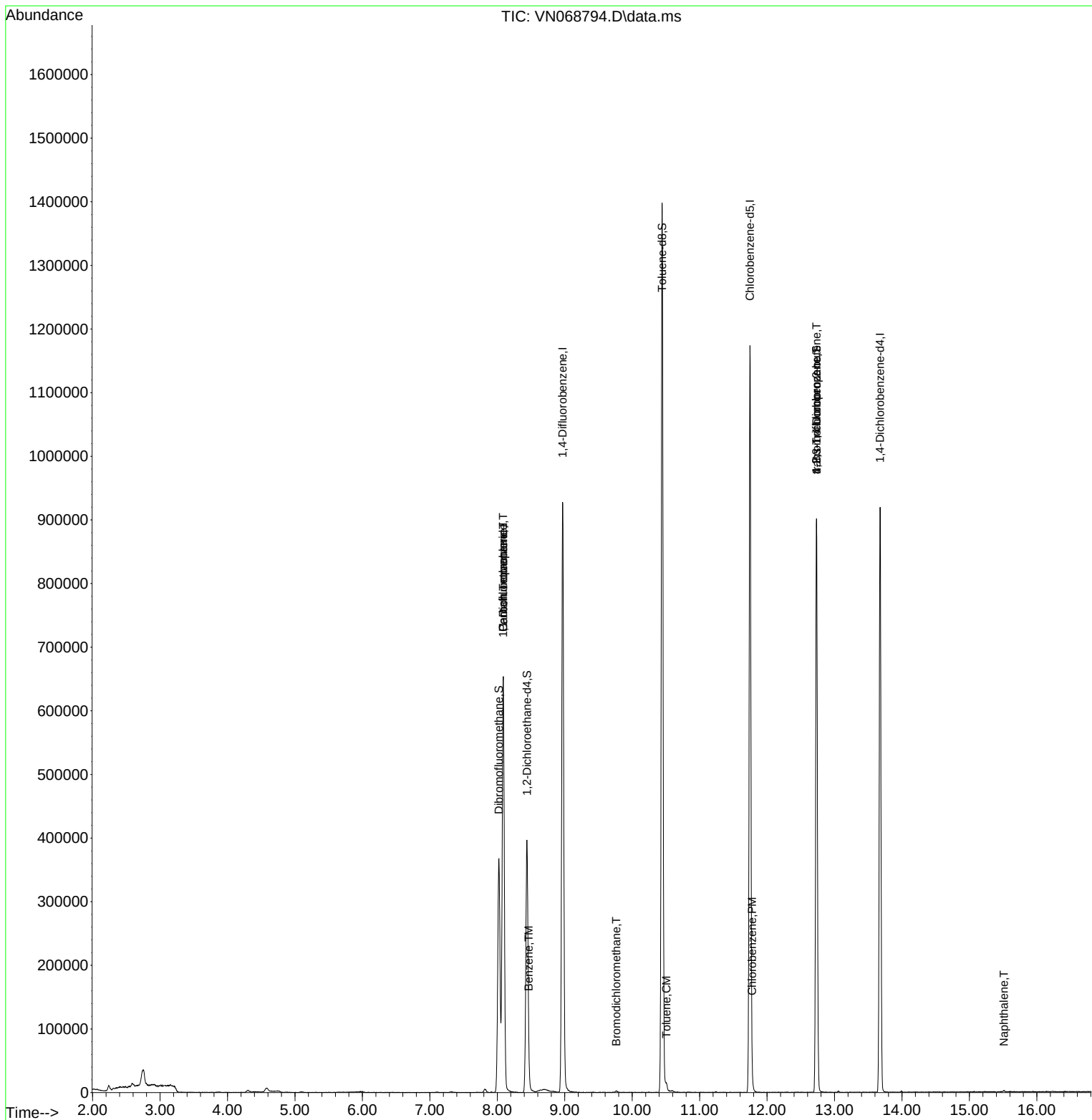
Instrument :  
 MSVOA\_N  
 ClientSampleId :

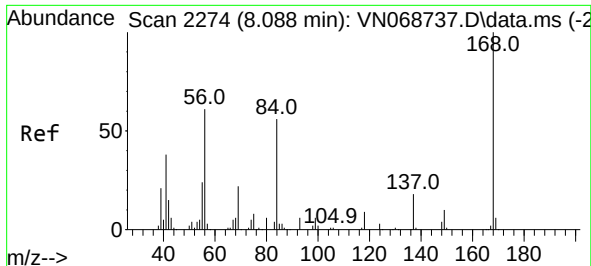
Quant Time: Oct 02 04:03:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 29 23:31:35 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.088          | 168  | 461346              | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.968          | 114  | 799551              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.746         | 117  | 657225              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.675         | 152  | 233069              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440          | 65   | 326659              | 50.818    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 101.640% |           |        |          |
| 35) Dibromofluoromethane      | 8.024          | 113  | 260051              | 52.347    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 104.700% |           |        |          |
| 50) Toluene-d8                | 10.443         | 98   | 969028              | 53.380    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 106.760% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.733         | 95   | 290447              | 46.046    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 92.100%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           |        | Qvalue   |
| 3) Chloromethane              | 2.306          | 50   | 1068                | Below Cal | #      | 74       |
| 5) Bromomethane               | 2.874          | 94   | 1083                | Below Cal | #      | 73       |
| 6) Chloroethane               | 3.003          | 64   | 322                 | Below Cal | #      | 44       |
| 13) Acrolein                  | 4.025          | 56   | 55                  | Below Cal | #      | 14       |
| 16) Acetone                   | 4.291          | 43   | 2504                | Below Cal |        | 97       |
| 17) Carbon Disulfide          | 4.540          | 76   | 351                 | Below Cal | #      | 74       |
| 31) Cyclohexane               | 8.080          | 56   | 6501                | Below Cal | #      | 50       |
| 36) 1,1-Dichloropropene       | 8.086          | 75   | 41780               | 5.556     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.088          | 117  | 51106               | 5.721     | ug/l # | 17       |
| 40) Benzene                   | 8.466          | 78   | 7851                | 0.343     | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.764          | 83   | 1998                | 0.219     | ug/l # | 90       |
| 52) Toluene                   | 10.507         | 92   | 3376                | 0.221     | ug/l   | 100      |
| 65) Chlorobenzene             | 11.776         | 112  | 4042                | 0.270     | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.733         | 75   | 172950              | 33.367    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.733         | 75   | 172950              | 96.999    | ug/l # | 6        |
| 95) Naphthalene               | 15.512         | 128  | 2852                | 1.699     | ug/l # | 73       |
| -----                         |                |      |                     |           |        |          |

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

Quant Time: Oct 02 04:03:12 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092921W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 29 23:31:35 2021  
Response via : Initial Calibration

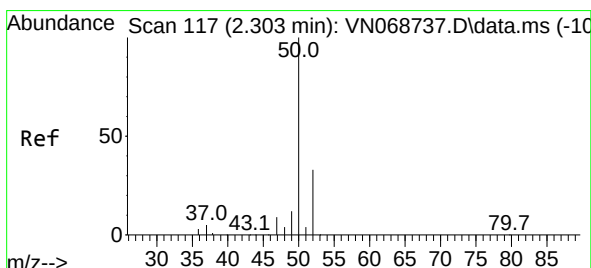
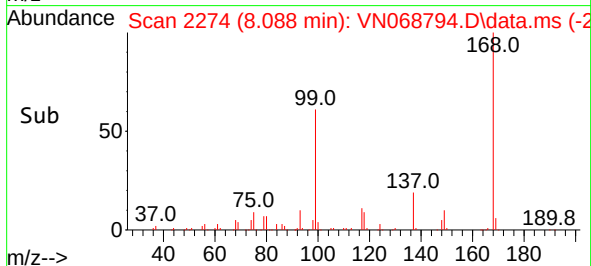
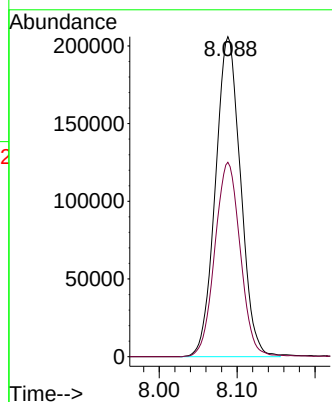
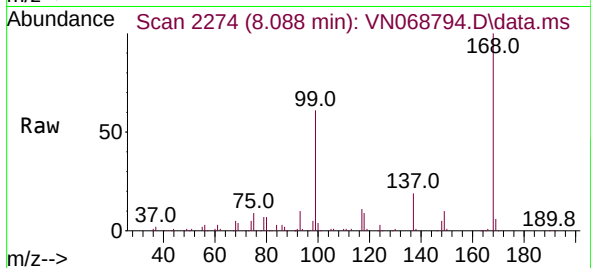




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

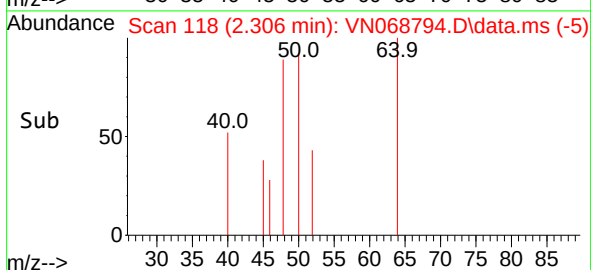
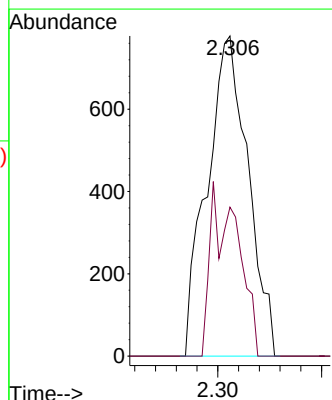
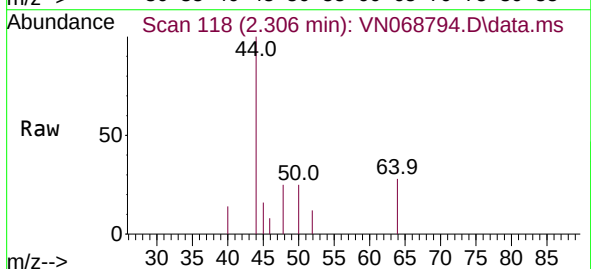
Instrument :  
MSVOA\_N  
ClientSampled :

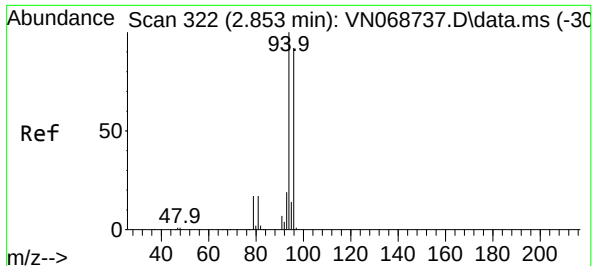
Tgt Ion:168 Resp: 461346  
Ion Ratio Lower Upper  
168 100  
99 60.8 62.9 94.3#



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.306 min Scan# 118  
Delta R.T. 0.003 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion: 50 Resp: 1068  
Ion Ratio Lower Upper  
50 100  
52 46.5 25.6 38.4#

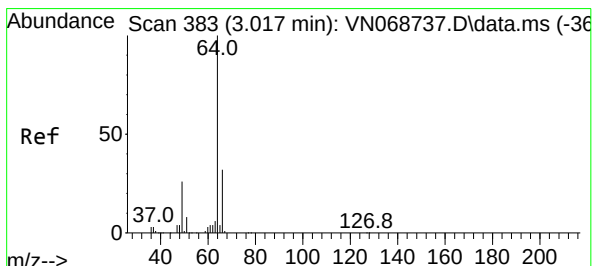
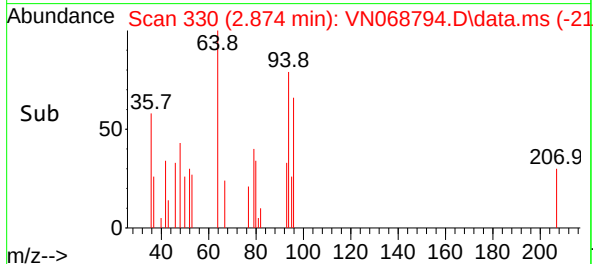
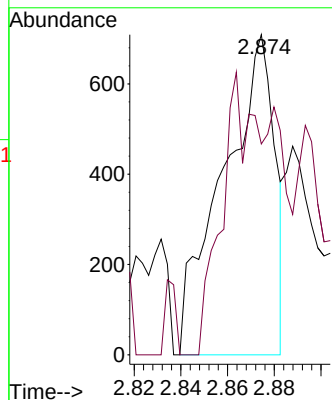
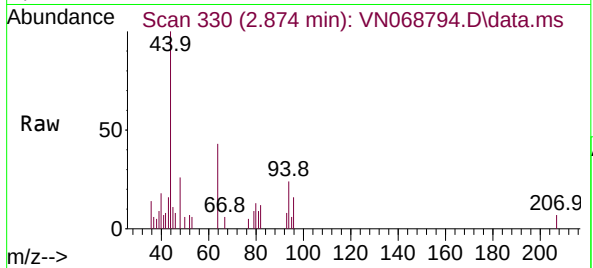




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.874 min Scan# 330  
Delta R.T. 0.021 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

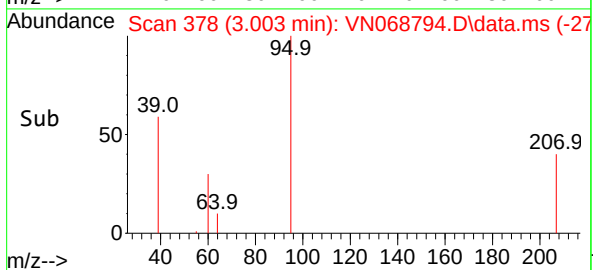
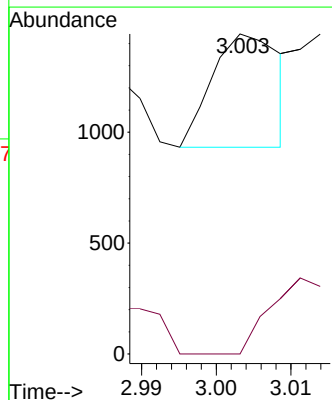
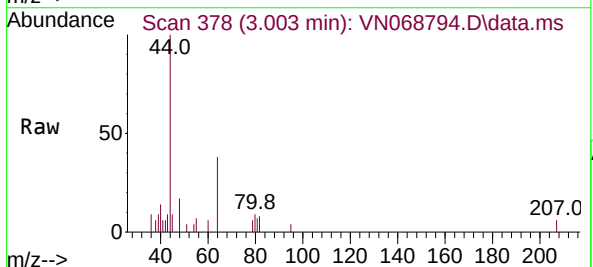
Instrument :  
MSVOA\_N  
ClientSampled :

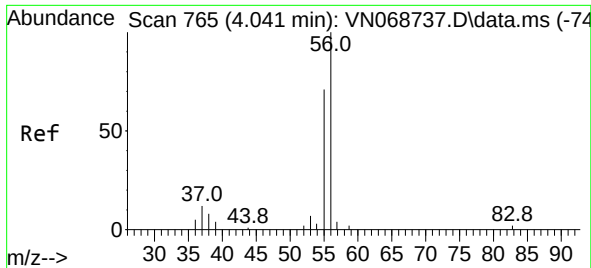
Tgt Ion: 94 Resp: 1083  
Ion Ratio Lower Upper  
94 100  
96 65.9 73.7 110.5#



#6  
Chloroethane  
Concen: Below Cal  
RT: 3.003 min Scan# 378  
Delta R.T. -0.014 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion: 64 Resp: 322  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.7 37.1#

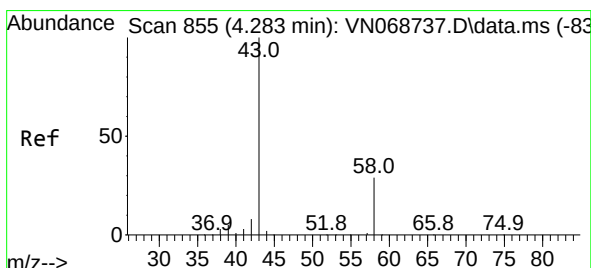
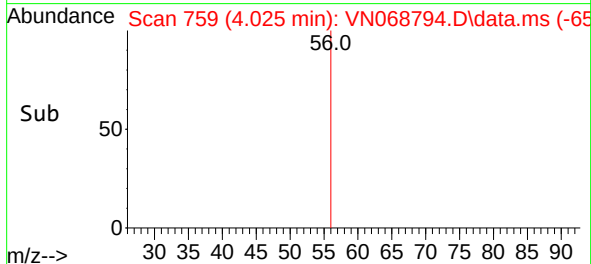
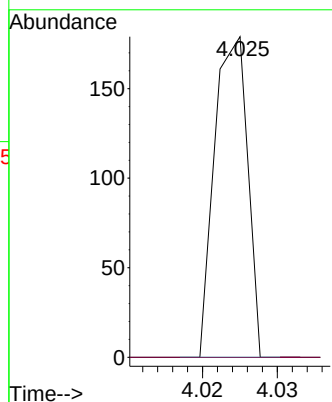
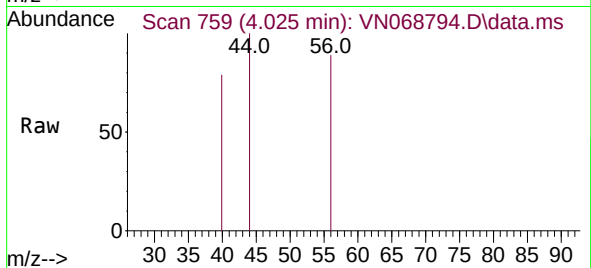




#13  
Acrolein  
Concen: Below Cal  
RT: 4.025 min Scan# 759  
Delta R.T. -0.016 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

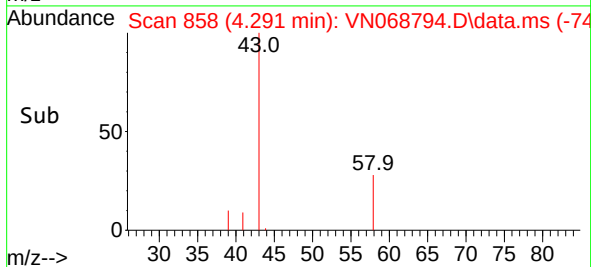
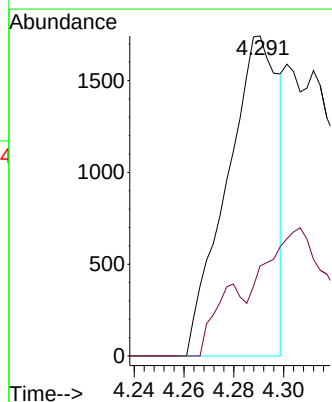
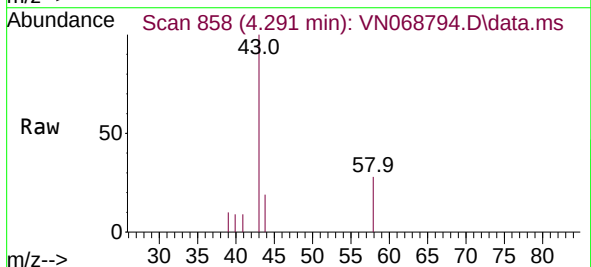
Instrument :  
MSVOA\_N  
ClientSampled :

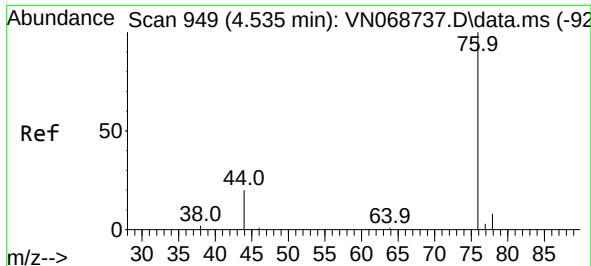
Tgt Ion: 56 Resp: 55  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.4 86.0#



#16  
Acetone  
Concen: Below Cal  
RT: 4.291 min Scan# 858  
Delta R.T. 0.008 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion: 43 Resp: 2504  
Ion Ratio Lower Upper  
43 100  
58 28.1 21.2 31.8

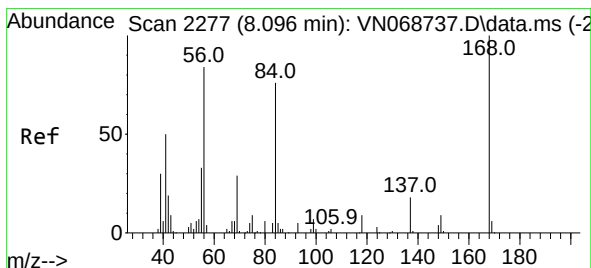
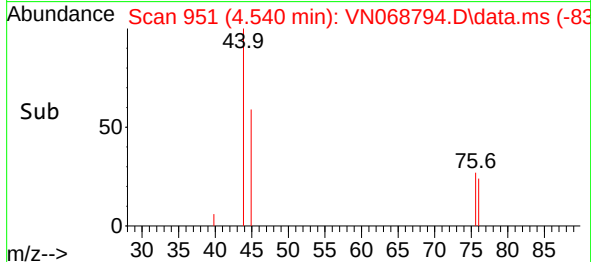
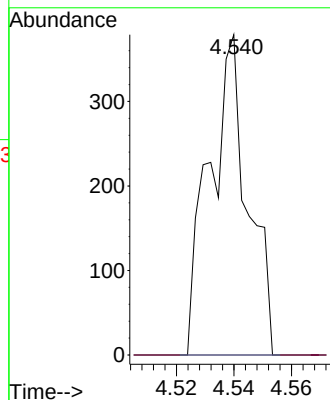
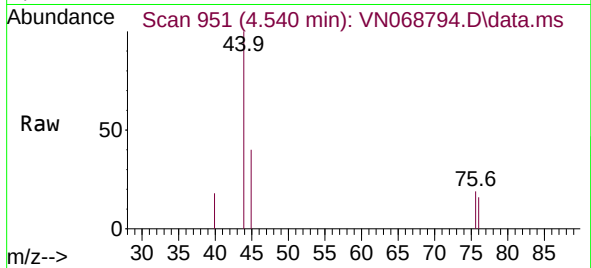




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.540 min Scan# 951  
Delta R.T. 0.005 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

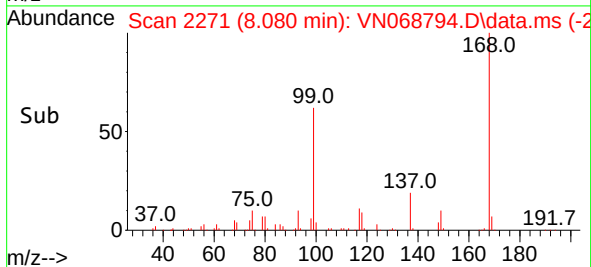
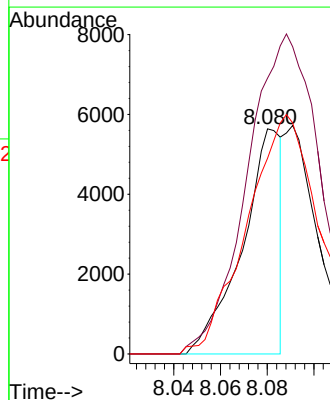
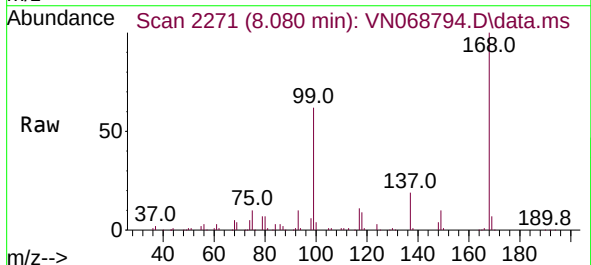
Instrument :  
MSVOA\_N  
ClientSampleId :

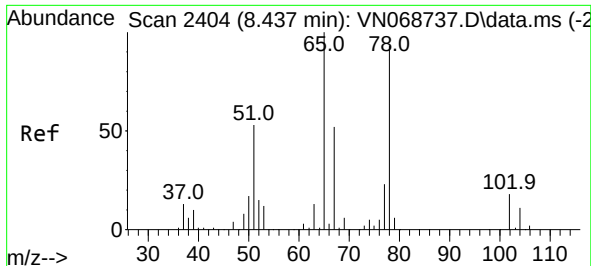
Tgt Ion: 76 Resp: 351  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.7 11.5#



#31  
Cyclohexane  
Concen: Below Cal  
RT: 8.080 min Scan# 2271  
Delta R.T. -0.016 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion: 56 Resp: 6501  
Ion Ratio Lower Upper  
56 100  
69 122.5 27.3 40.9#  
84 86.9 64.9 97.3



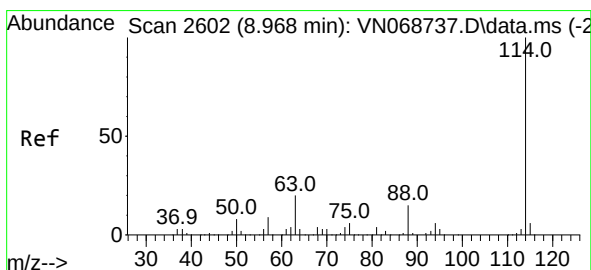
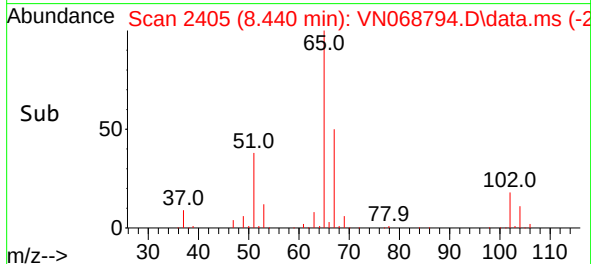
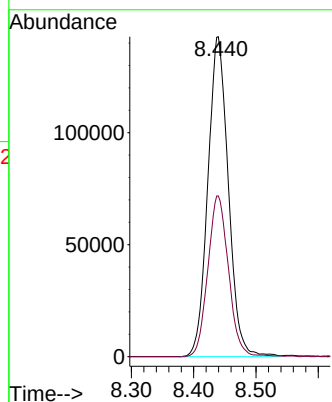
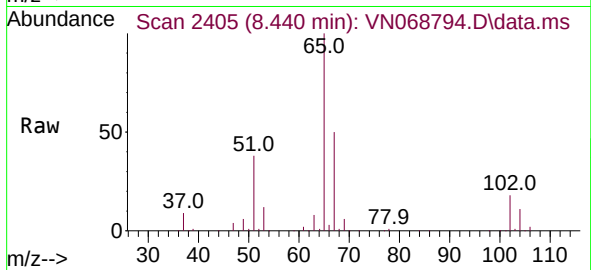


#33

1,2-Dichloroethane-d4  
Concen: 50.818 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Instrument :  
MSVOA\_N  
ClientSampled :

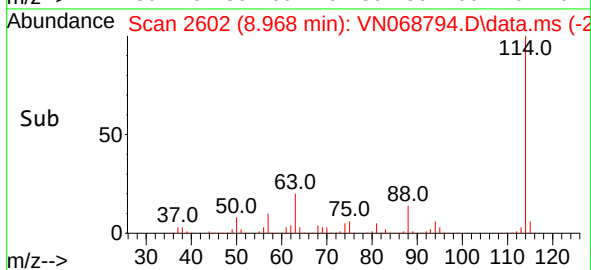
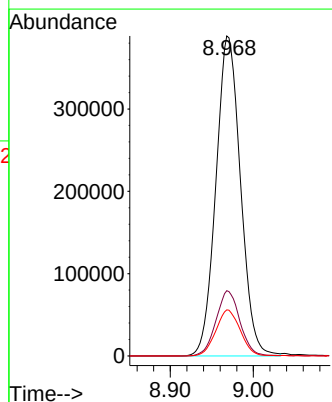
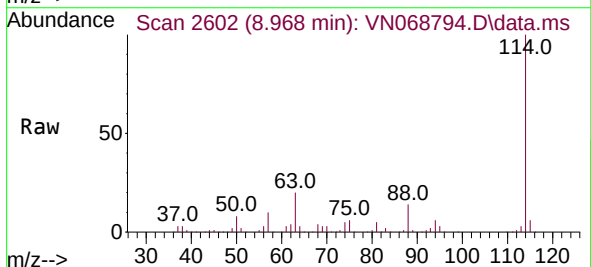
Tgt Ion: 65 Resp: 326659  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 98.6

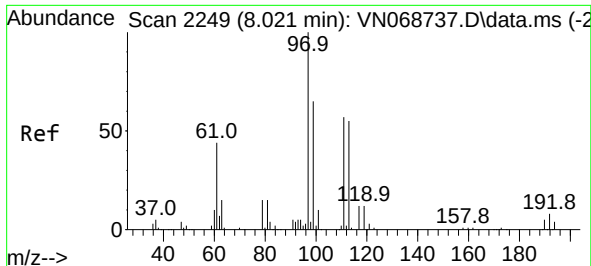


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 2602  
Delta R.T. -0.000 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion: 114 Resp: 799551  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 49.0  
88 14.4 0.0 36.6

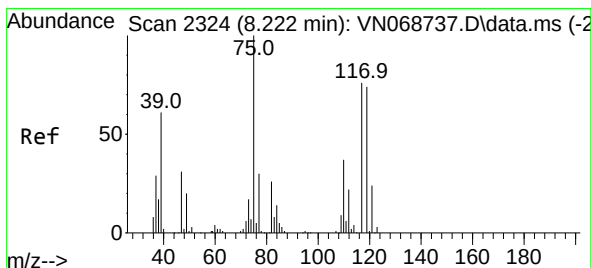
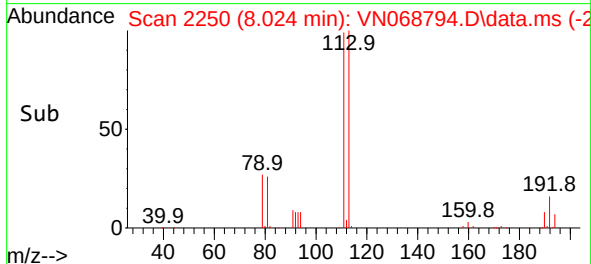
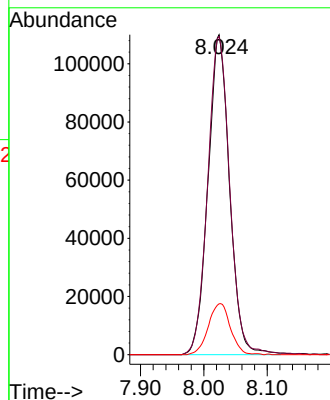
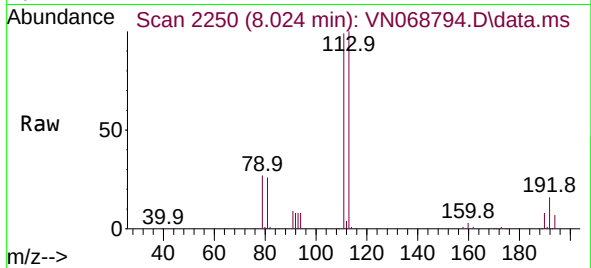




#35  
Dibromofluoromethane  
Concen: 52.347 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

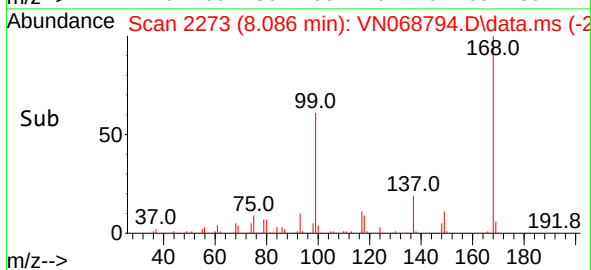
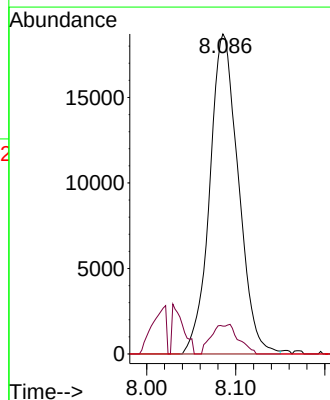
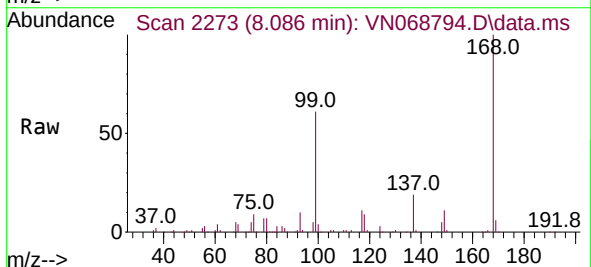
Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion:113 Resp: 260051  
Ion Ratio Lower Upper  
113 100  
111 101.9 83.8 125.8  
192 16.3 13.4 20.0

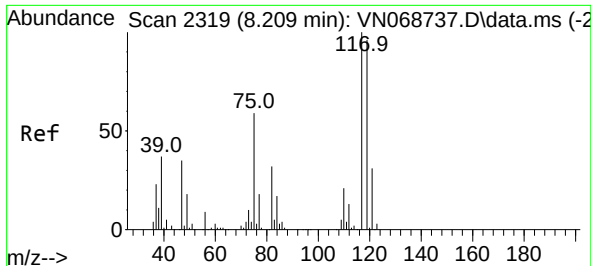


#36  
1,1-Dichloropropene  
Concen: 5.556 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.136 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion: 75 Resp: 41780  
Ion Ratio Lower Upper  
75 100  
110 4.7 15.7 47.0#  
77 0.0 24.6 37.0#

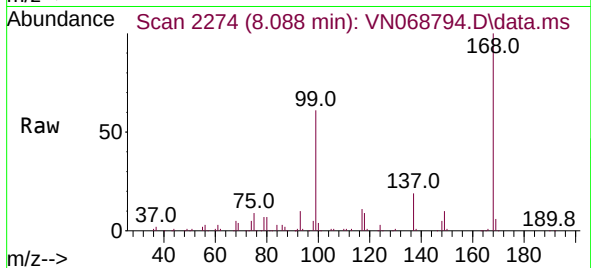




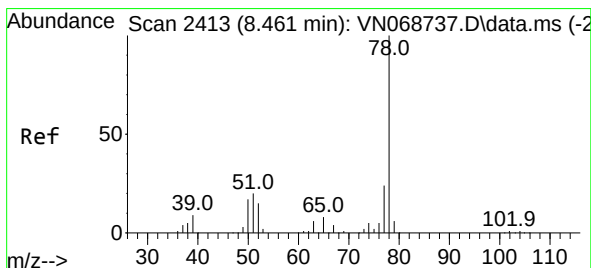
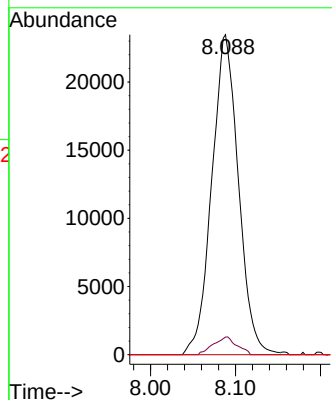
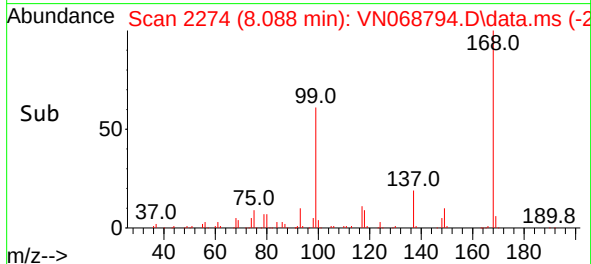


#38  
Carbon Tetrachloride  
Concen: 5.721 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.121 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

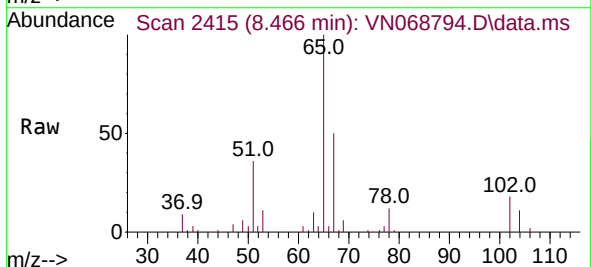
Instrument :  
MSVOA\_N  
ClientSampleId :



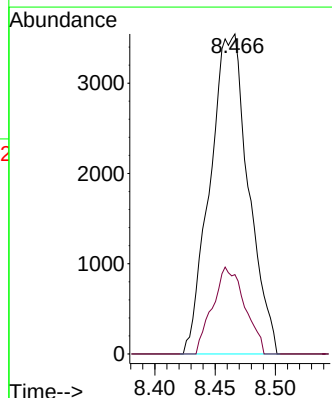
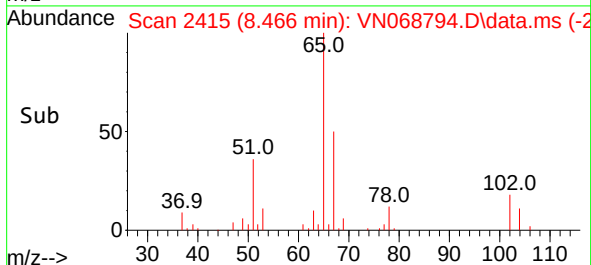
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Ion Ratio Lower Upper  
117 100  
119 5.5 75.4 113.2#  
121 0.0 23.5 35.3#

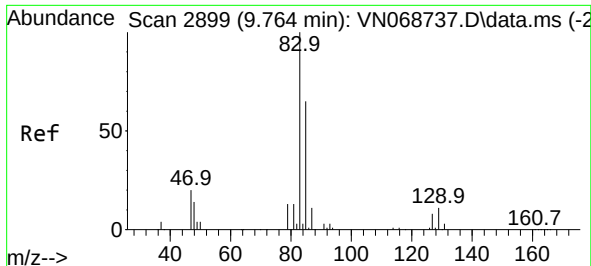


#40  
Benzene  
Concen: 0.343 ug/l  
RT: 8.466 min Scan# 2415  
Delta R.T. 0.005 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49



Tgt Ion: 78 Resp: 7851  
Ion Ratio Lower Upper  
78 100  
77 24.8 18.9 28.3

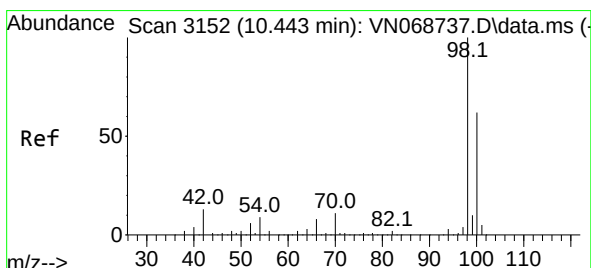
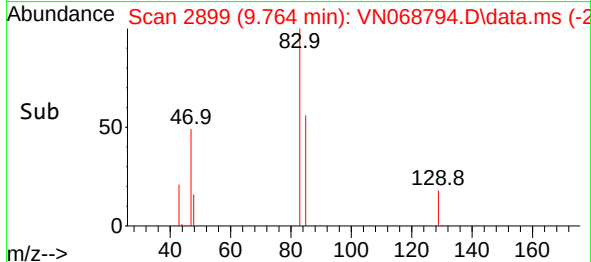
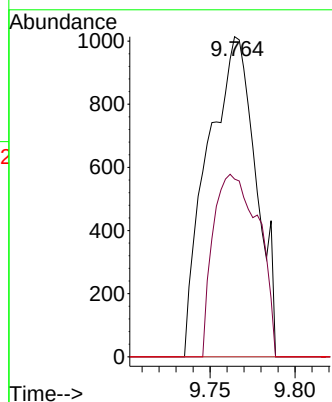
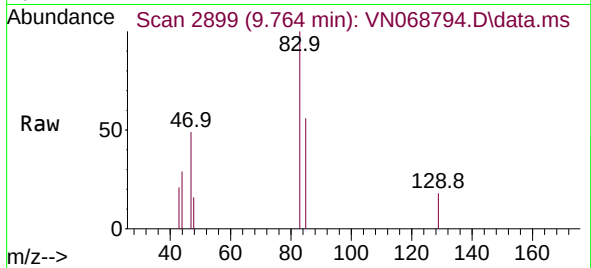




#47  
Bromodichloromethane  
Concen: 0.219 ug/l  
RT: 9.764 min Scan# 2899  
Delta R.T. 0.000 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

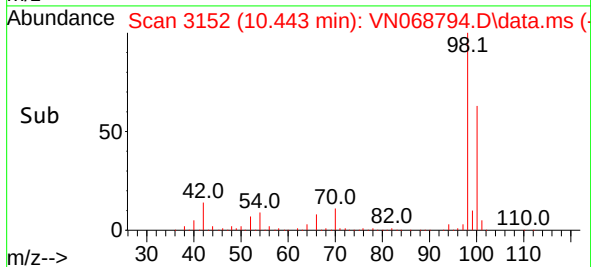
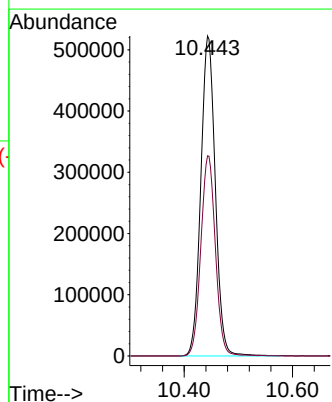
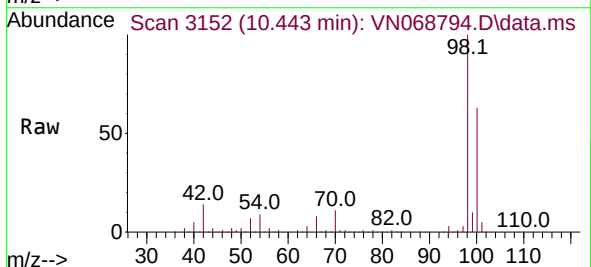
Instrument :  
MSVOA\_N  
ClientSampleId :

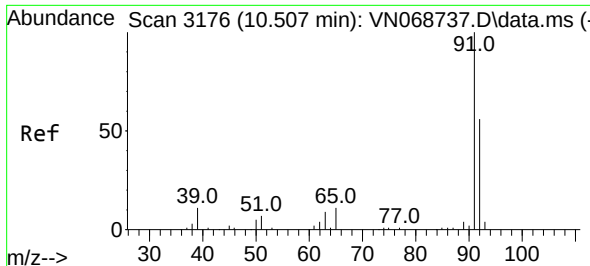
Tgt Ion: 83 Resp: 1998  
Ion Ratio Lower Upper  
83 100  
85 55.5 49.9 74.9  
127 0.0 6.1 9.1#



#50  
Toluene-d8  
Concen: 53.380 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion: 98 Resp: 969028  
Ion Ratio Lower Upper  
98 100  
100 62.6 51.7 77.5

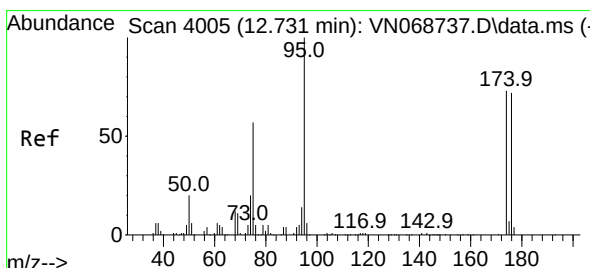
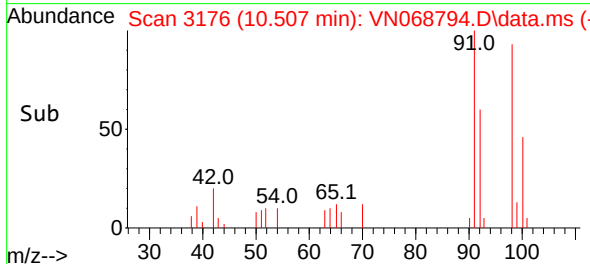
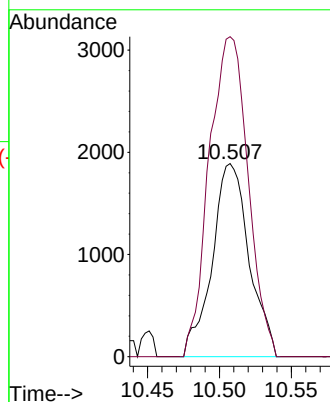
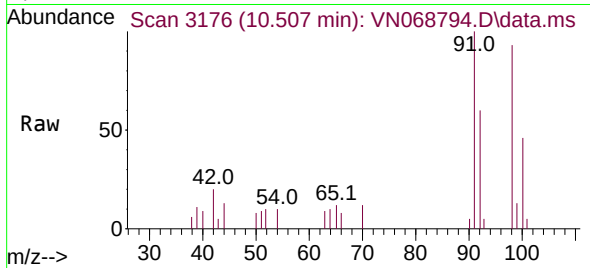




#52  
Toluene  
Concen: 0.221 ug/l  
RT: 10.507 min Scan# 3176  
Delta R.T. 0.000 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

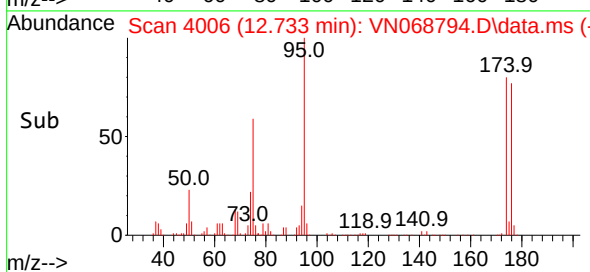
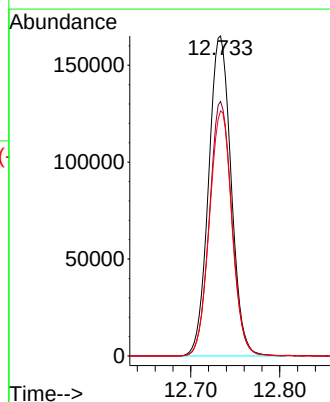
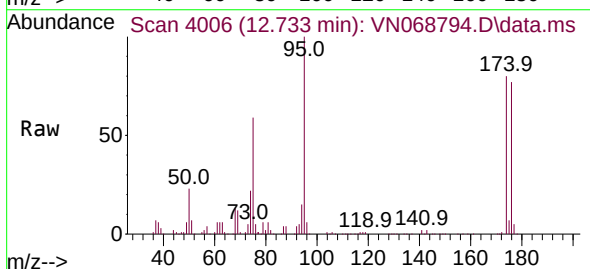
Instrument :  
MSVOA\_N  
ClientSampled :

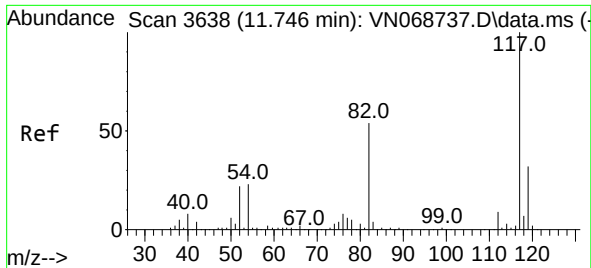
Tgt Ion: 92 Resp: 3376  
Ion Ratio Lower Upper  
92 100  
91 174.5 139.6 209.4



#62  
4-Bromofluorobenzene  
Concen: 46.046 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.002 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion: 95 Resp: 290447  
Ion Ratio Lower Upper  
95 100  
174 79.1 0.0 122.0  
176 76.6 0.0 117.6

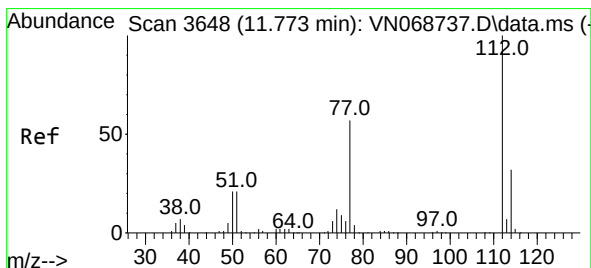
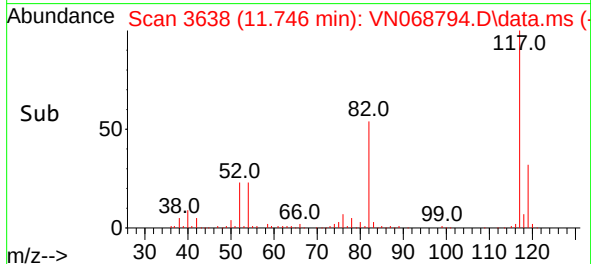
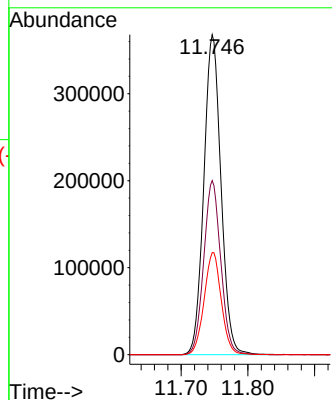
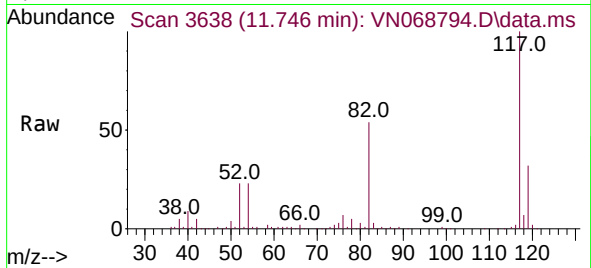




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

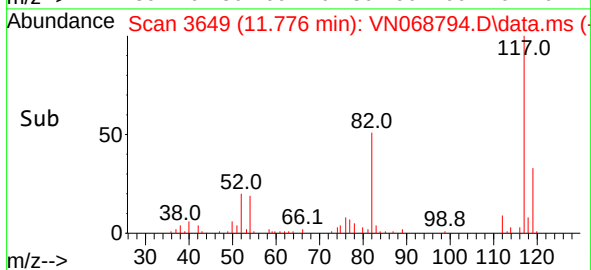
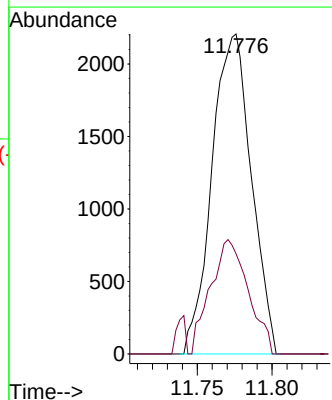
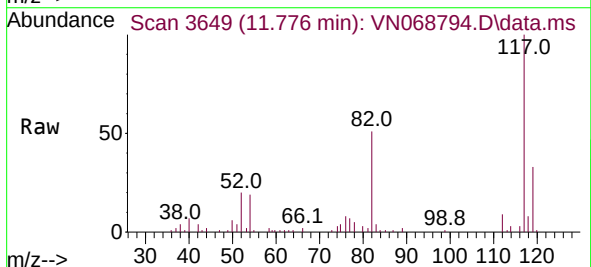
Instrument :  
MSVOA\_N  
ClientSampled :

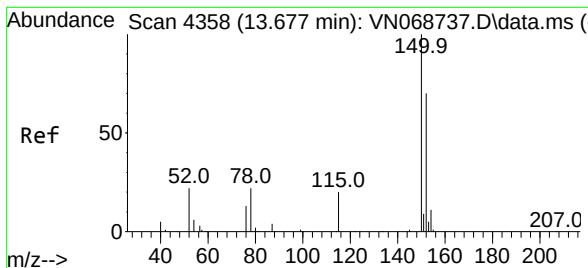
Tgt Ion:117 Resp: 657225  
Ion Ratio Lower Upper  
117 100  
82 54.4 53.1 79.7  
119 31.9 25.5 38.3



#65  
Chlorobenzene  
Concen: 0.270 ug/l  
RT: 11.776 min Scan# 3649  
Delta R.T. 0.003 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion:112 Resp: 4042  
Ion Ratio Lower Upper  
112 100  
114 31.3 24.6 37.0

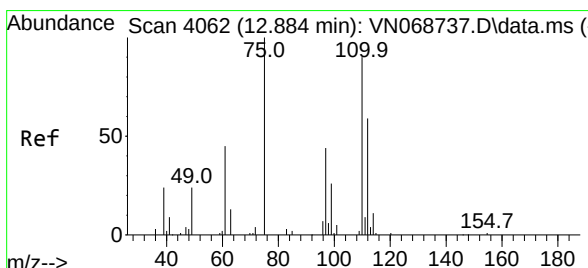
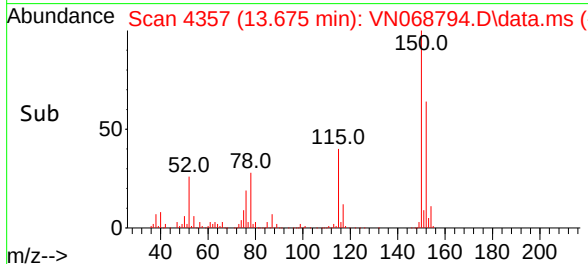
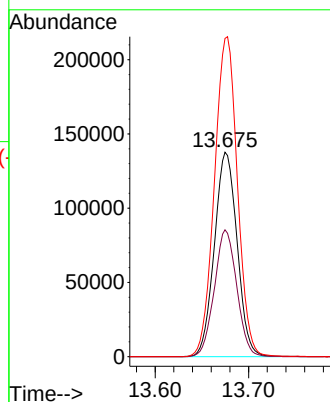
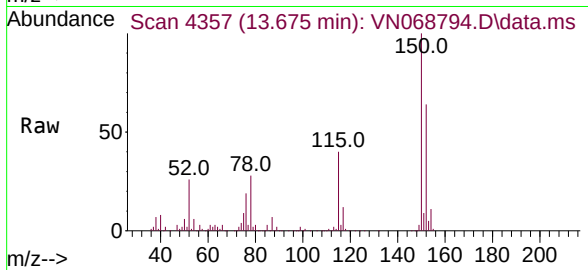




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 4357  
Delta R.T. -0.002 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

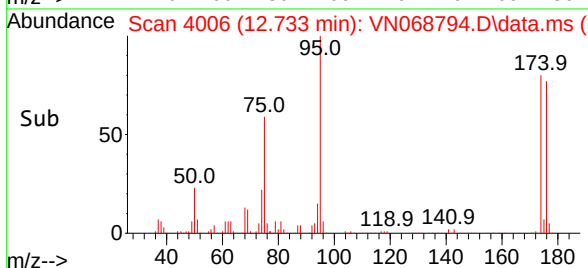
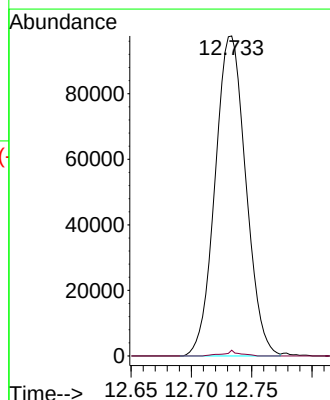
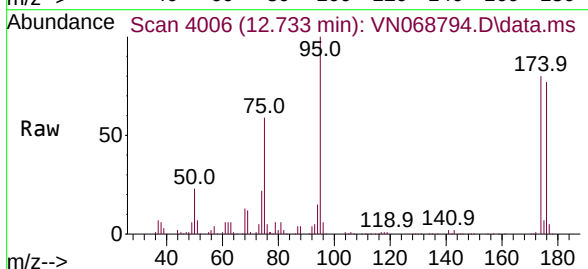
Instrument :  
MSVOA\_N  
ClientSampled :

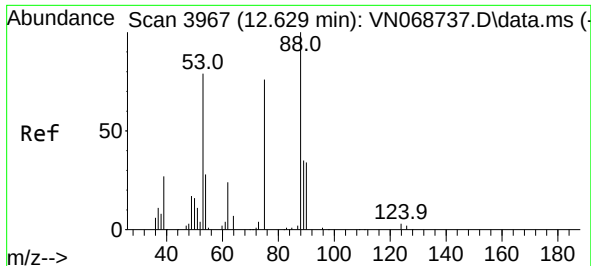
Tgt Ion:152 Resp: 233069  
Ion Ratio Lower Upper  
152 100  
115 61.2 36.1 108.5  
150 158.3 0.0 351.8



#76  
1,2,3-Trichloropropane  
Concen: 33.367 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.151 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion: 75 Resp: 172950  
Ion Ratio Lower Upper  
75 100  
77 0.9 0.0 0.0#

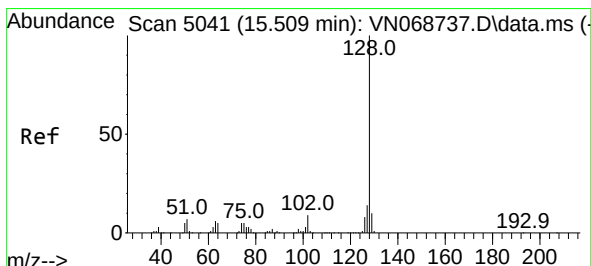
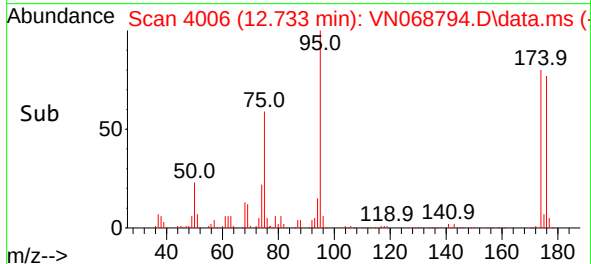
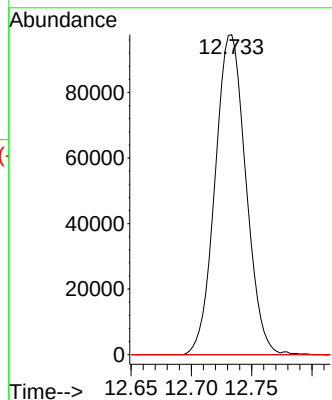
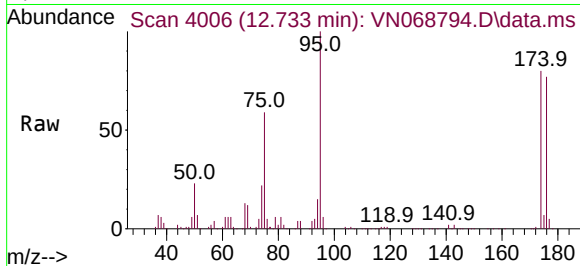




#81  
trans-1,4-Dichloro-2-butene  
Concen: 96.999 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.104 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 172950  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.6 131.4#  
89 0.0 37.8 56.8#



#95  
Naphthalene  
Concen: 1.699 ug/l  
RT: 15.512 min Scan# 5042  
Delta R.T. 0.003 min  
Lab File: VN068794.D  
Acq: 1 Oct 2021 19:49

Tgt Ion:128 Resp: 2852  
Ion Ratio Lower Upper  
128 100  
127 3.2 10.6 15.8#  
129 0.0 8.6 12.8#

