

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092921\  
 Data File : VN068752.D  
 Acq On : 29 Sep 2021 20:46  
 Operator : JC/MD  
 Sample : M3915-08  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 29 23:44:14 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

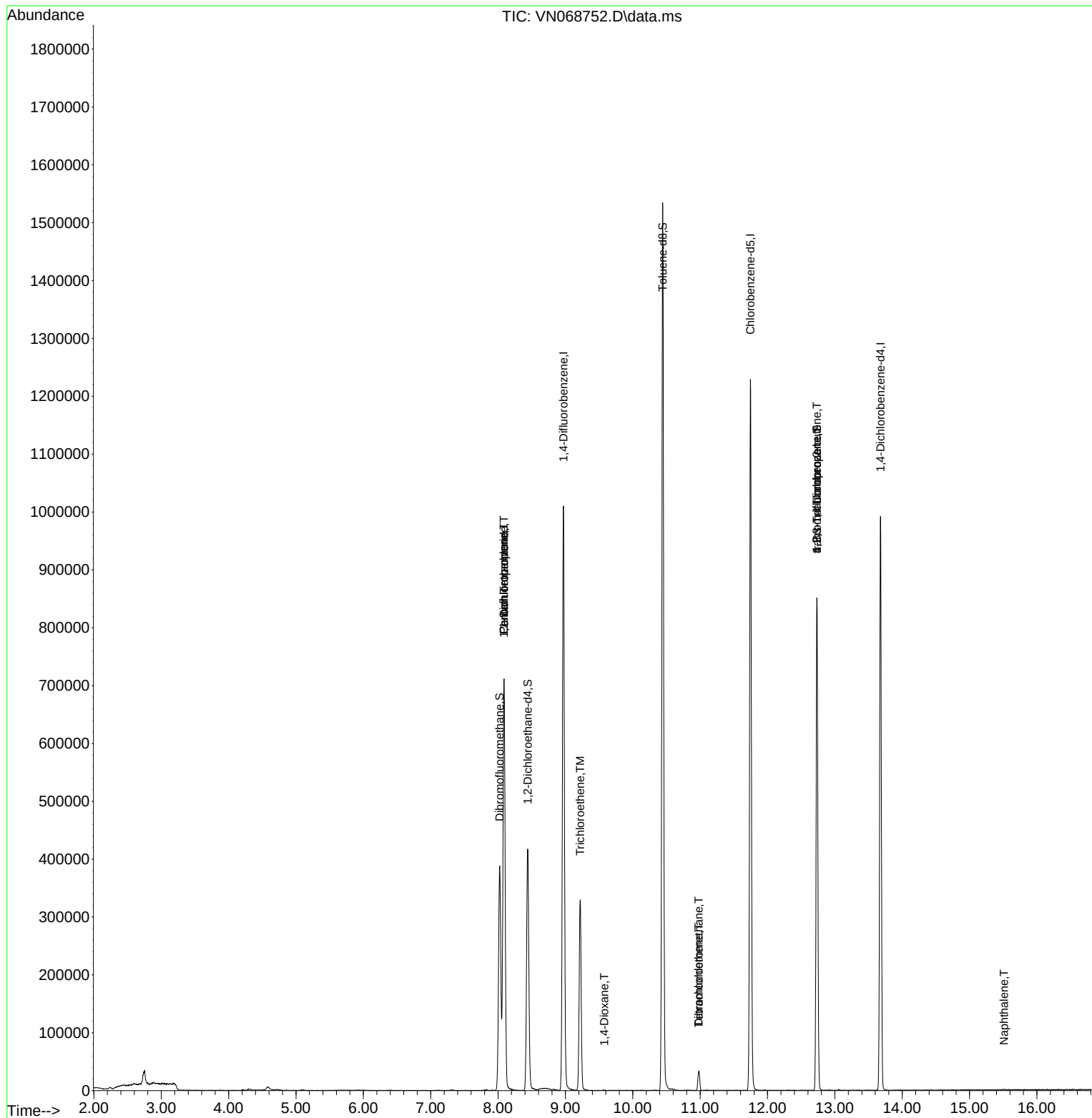
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.088          | 168  | 517104     | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.971          | 114  | 876872     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.746         | 117  | 692369     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.678         | 152  | 251979     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440          | 65   | 347858     | 48.281    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 96.560%   |        |          |
| 35) Dibromofluoromethane      | 8.024          | 113  | 270198     | 49.594    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 99.180%   |        |          |
| 50) Toluene-d8                | 10.443         | 98   | 1050727    | 52.777    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 105.560%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.733         | 95   | 273667     | 39.560    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 79.120%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 3) Chloromethane              | 2.306          | 50   | 1494       | Below Cal |        | 98       |
| 5) Bromomethane               | 2.837          | 94   | 130        | Below Cal | #      | 75       |
| 6) Chloroethane               | 3.022          | 64   | 450        | Below Cal | #      | 66       |
| 16) Acetone                   | 4.264          | 43   | 162        | Below Cal | #      | 48       |
| 17) Carbon Disulfide          | 4.529          | 76   | 388        | Below Cal | #      | 74       |
| 31) Cyclohexane               | 8.088          | 56   | 14485      | Below Cal | #      | 30       |
| 36) 1,1-Dichloropropene       | 8.086          | 75   | 44377      | 5.381     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.088          | 117  | 56604      | 5.778     | ug/l # | 17       |
| 44) Trichloroethene           | 9.220          | 130  | 113565     | 16.943    | ug/l   | 85       |
| 49) 1,4-Dioxane               | 9.577          | 88   | 266        | 2.725     | ug/l # | 21       |
| 60) Dibromochloromethane      | 10.979         | 129  | 7159       | 0.954     | ug/l # | 11       |
| 64) Tetrachloroethene         | 10.977         | 164  | 7461       | 1.444     | ug/l   | 87       |
| 76) 1,2,3-Trichloropropane    | 12.733         | 75   | 158570     | 28.297    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.733         | 75   | 158570     | 82.260    | ug/l # | 6        |
| 95) Naphthalene               | 15.512         | 128  | 1270       | 1.551     | ug/l # | 69       |
| -----                         |                |      |            |           |        |          |

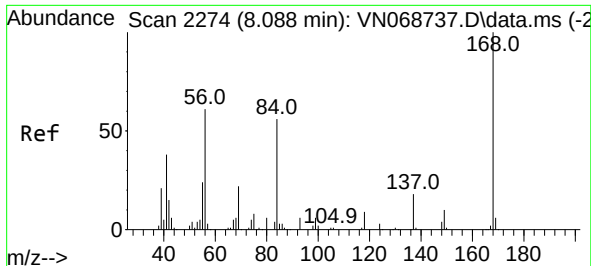
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092921\  
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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

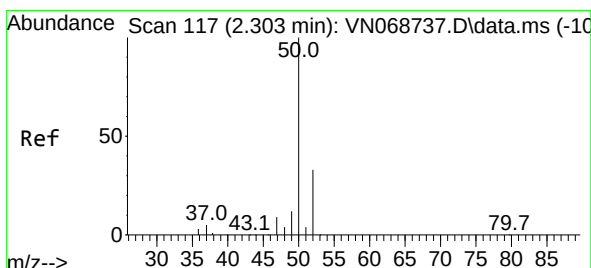
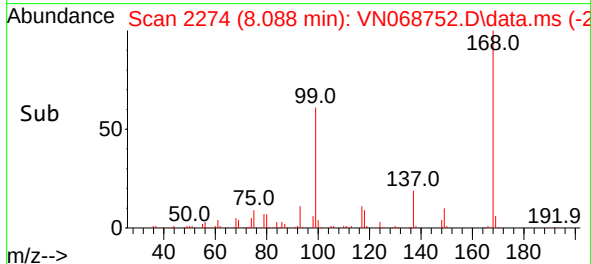
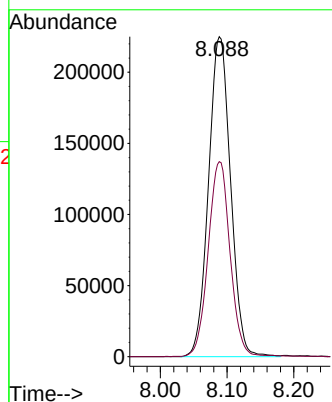
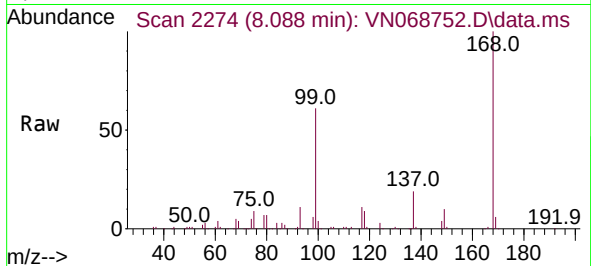




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

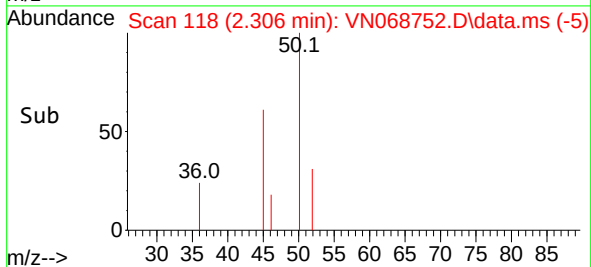
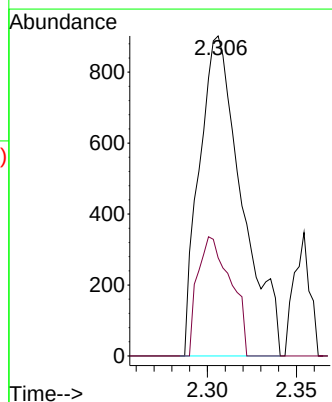
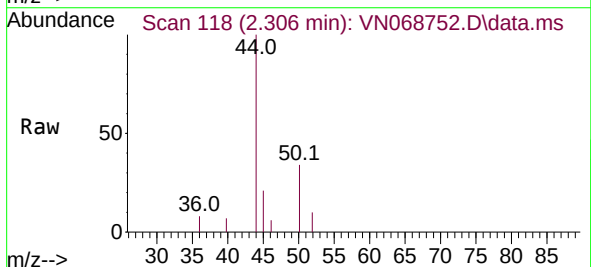
Instrument :  
MSVOA\_N  
ClientSampled :

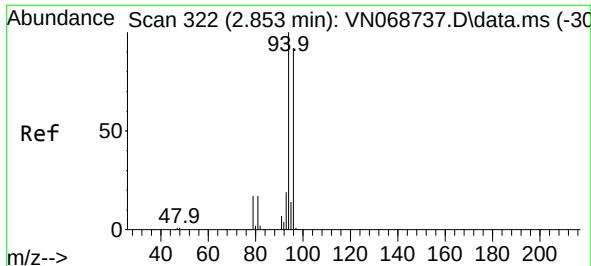
Tgt Ion:168 Resp: 517104  
Ion Ratio Lower Upper  
168 100  
99 60.8 62.9 94.3#



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.306 min Scan# 118  
Delta R.T. 0.003 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Tgt Ion: 50 Resp: 1494  
Ion Ratio Lower Upper  
50 100  
52 30.7 25.6 38.4

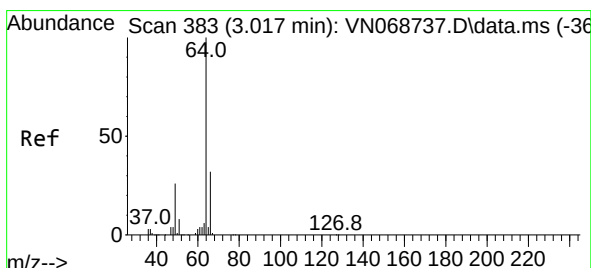
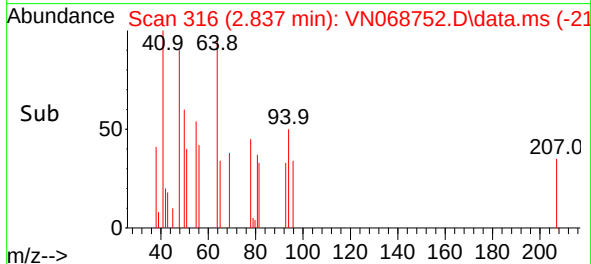
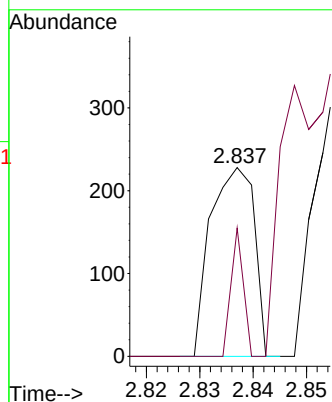
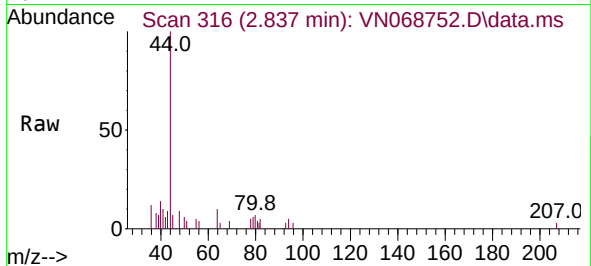




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.837 min Scan# 316  
Delta R.T. -0.016 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

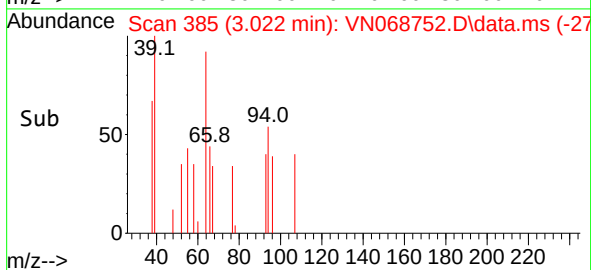
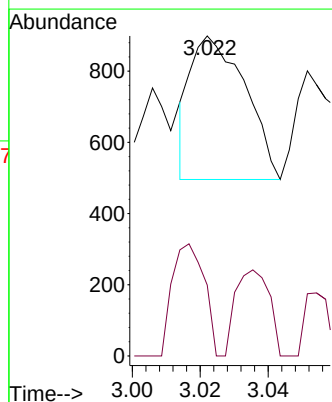
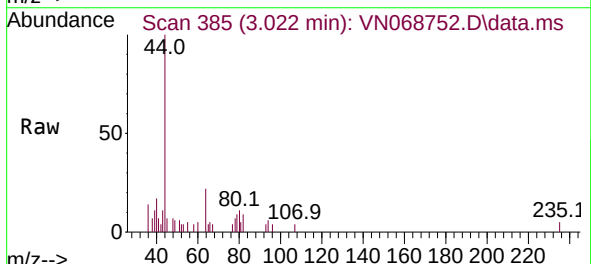
Instrument :  
MSVOA\_N  
ClientSampleId :

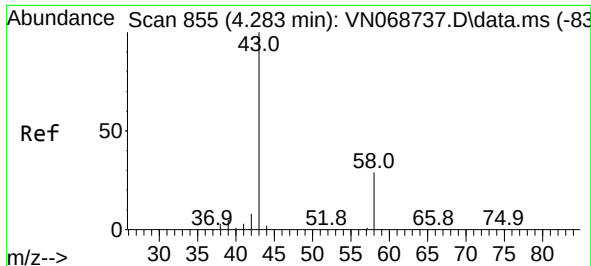
Tgt Ion: 94 Resp: 130  
Ion Ratio Lower Upper  
94 100  
96 68.0 73.7 110.5#



#6  
Chloroethane  
Concen: Below Cal  
RT: 3.022 min Scan# 385  
Delta R.T. 0.005 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Tgt Ion: 64 Resp: 450  
Ion Ratio Lower Upper  
64 100  
66 49.4 24.7 37.1#

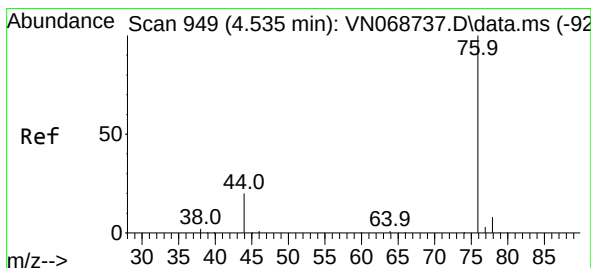
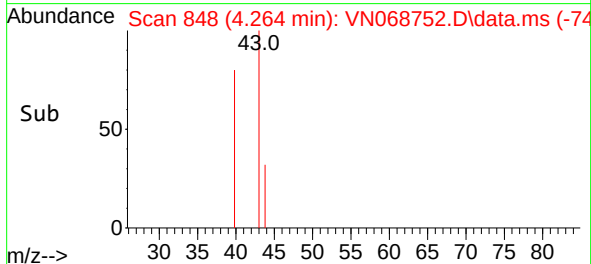
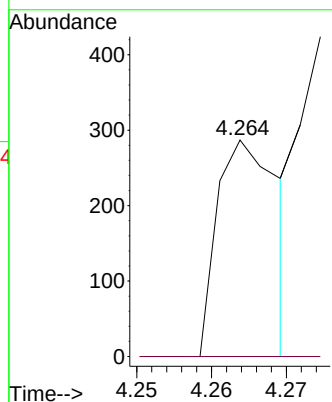
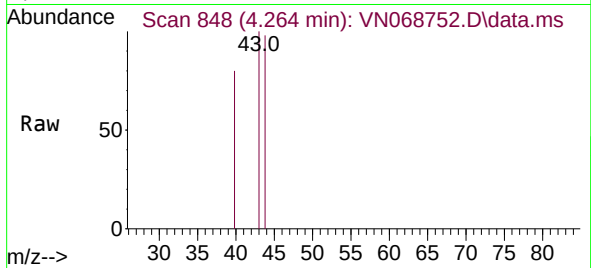




#16  
Acetone  
Concen: Below Cal  
RT: 4.264 min Scan# 848  
Delta R.T. -0.019 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

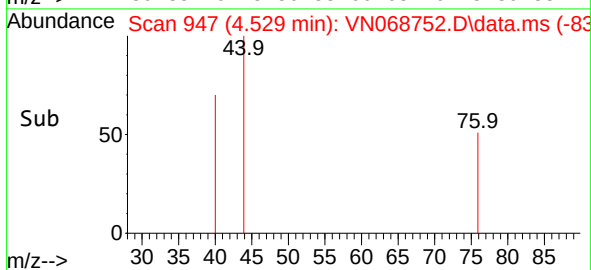
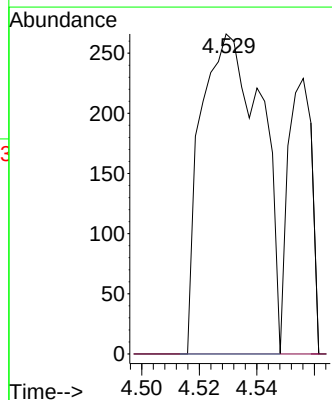
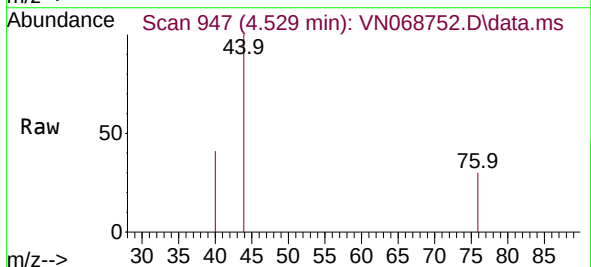
Instrument :  
MSVOA\_N  
ClientSampled :

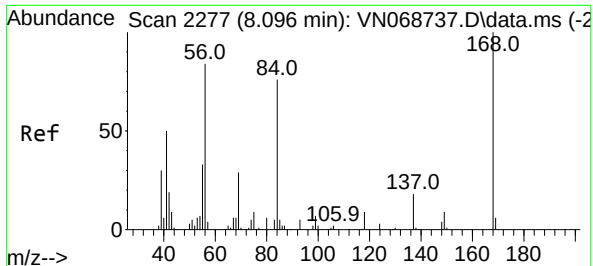
Tgt Ion: 43 Resp: 162  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.2 31.8#



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.529 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Tgt Ion: 76 Resp: 388  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.7 11.5#

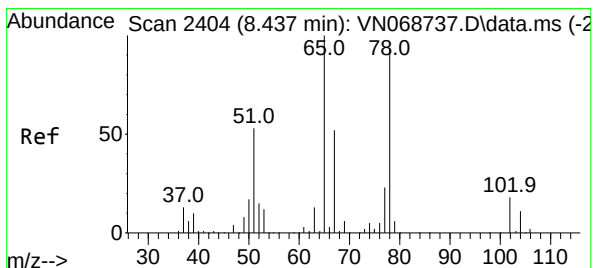
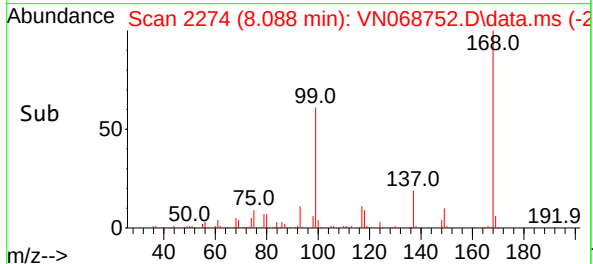
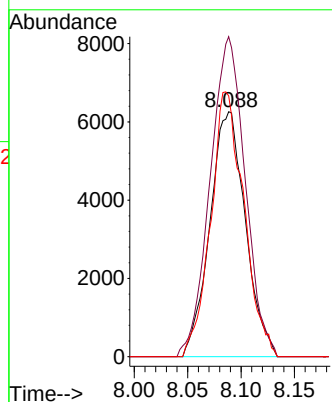
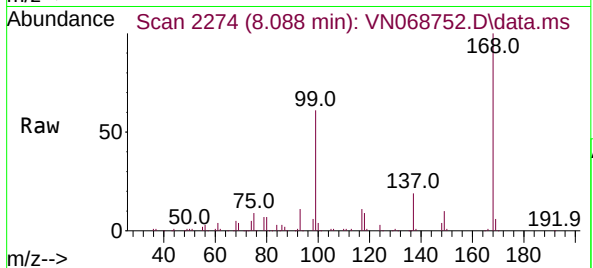




#31  
Cyclohexane  
Concen: Below Cal  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.008 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

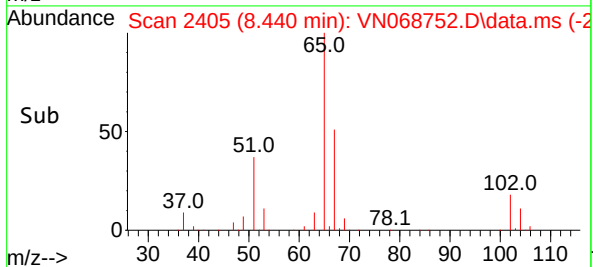
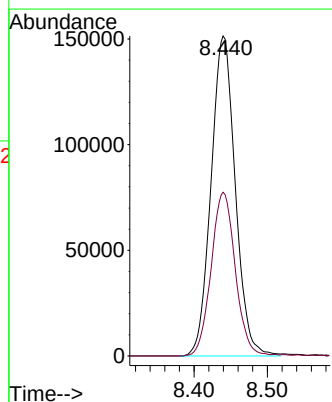
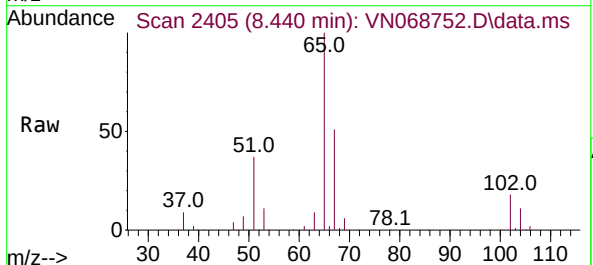
Instrument :  
MSVOA\_N  
ClientSampled :

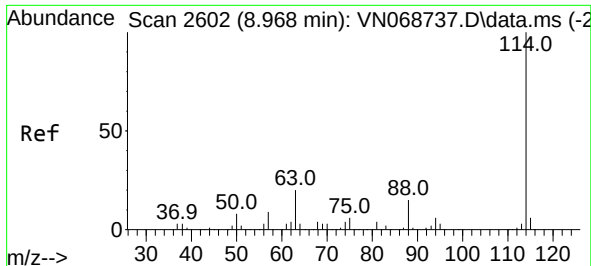
Tgt Ion: 56 Resp: 14485  
Ion Ratio Lower Upper  
56 100  
69 130.6 27.3 40.9#  
84 106.5 64.9 97.3#



#33  
1,2-Dichloroethane-d4  
Concen: 48.281 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Tgt Ion: 65 Resp: 347858  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 98.6

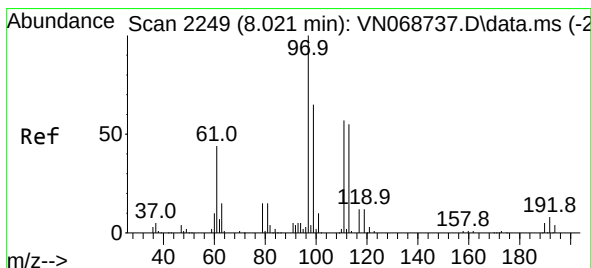
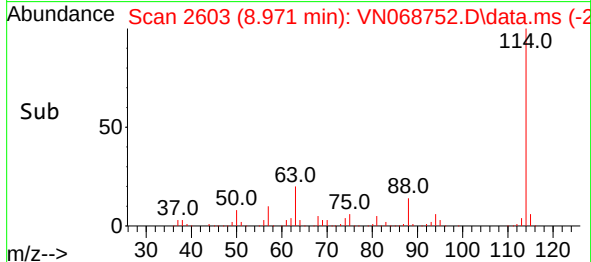
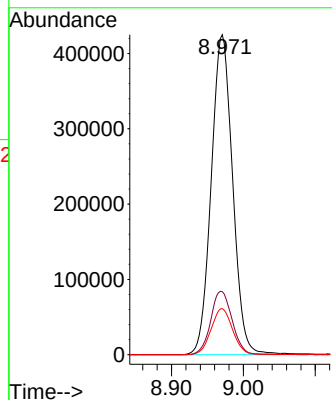
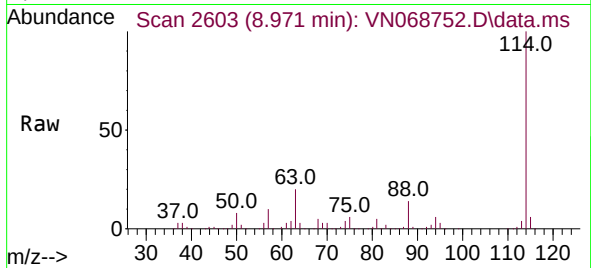




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

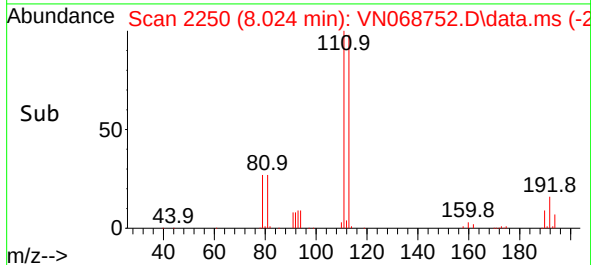
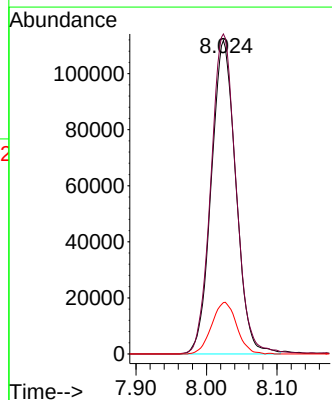
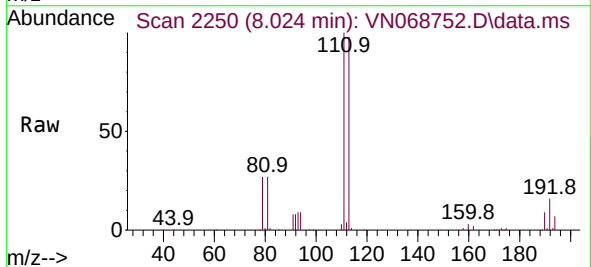
Instrument :  
MSVOA\_N  
ClientSampled :

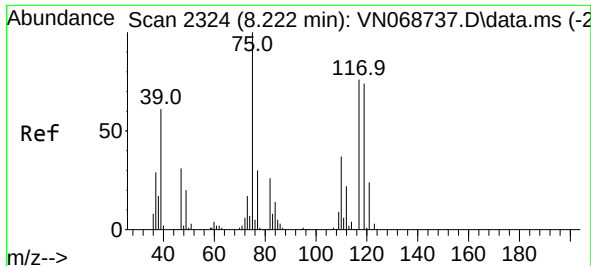
Tgt Ion:114 Resp: 876872  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 49.0  
88 14.4 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 49.594 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Tgt Ion:113 Resp: 270198  
Ion Ratio Lower Upper  
113 100  
111 104.3 83.8 125.8  
192 16.8 13.4 20.0

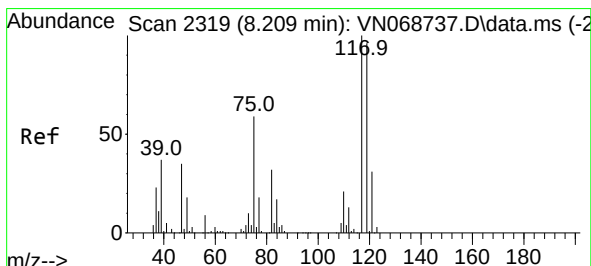
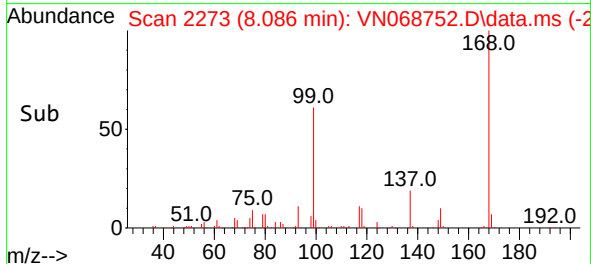
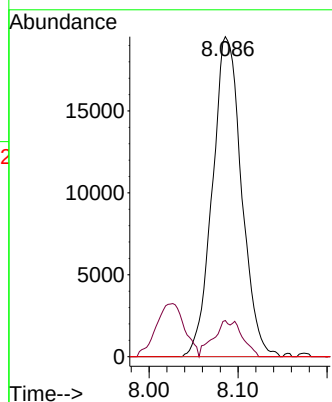
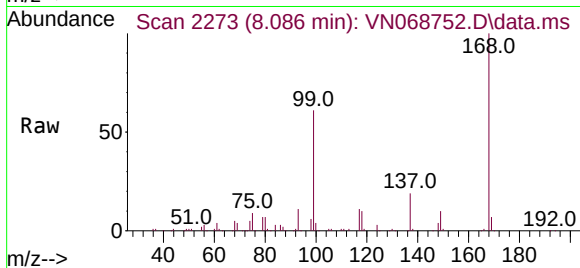




#36  
1,1-Dichloropropene  
Concen: 5.381 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.136 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

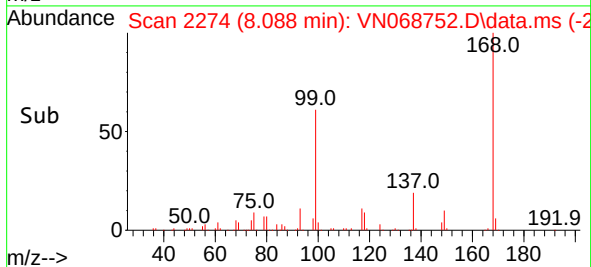
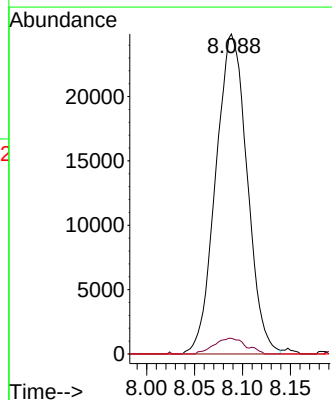
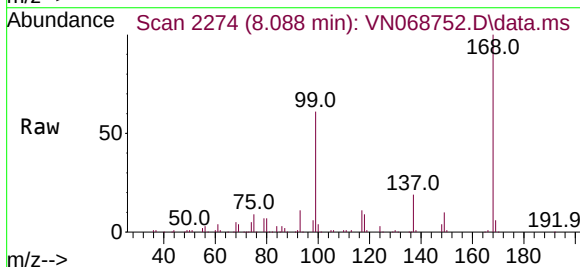
Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion: 75 Resp: 44377  
Ion Ratio Lower Upper  
75 100  
110 6.5 15.7 47.0#  
77 0.0 24.6 37.0#

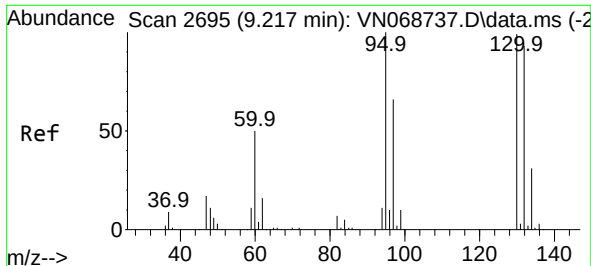


#38  
Carbon Tetrachloride  
Concen: 5.778 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.121 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Tgt Ion: 117 Resp: 56604  
Ion Ratio Lower Upper  
117 100  
119 4.9 75.4 113.2#  
121 0.0 23.5 35.3#



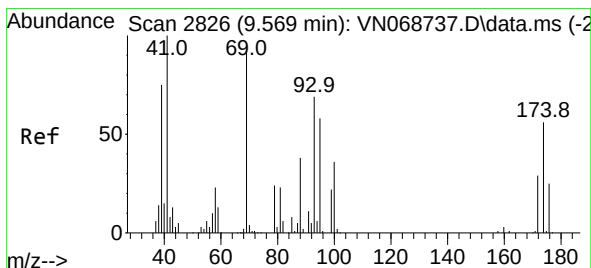
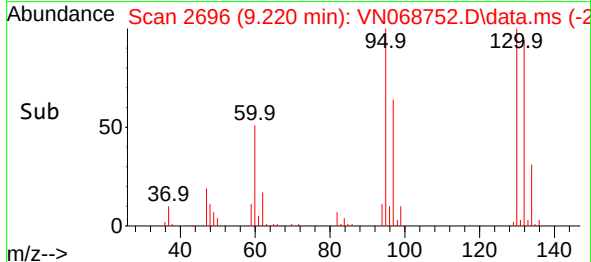
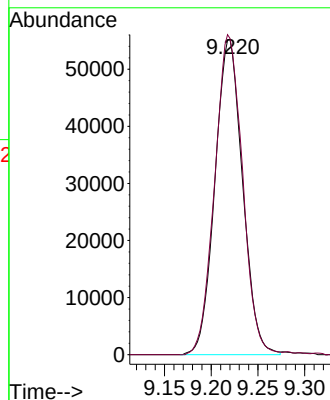
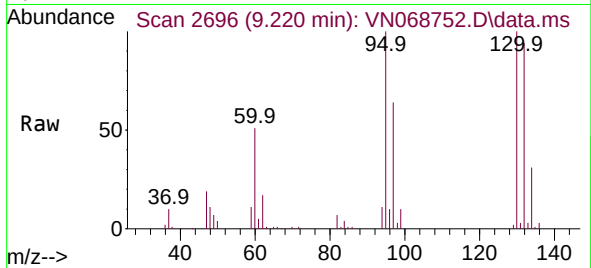




#44  
Trichloroethene  
Concen: 16.943 ug/l  
RT: 9.220 min Scan# 2696  
Delta R.T. 0.003 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

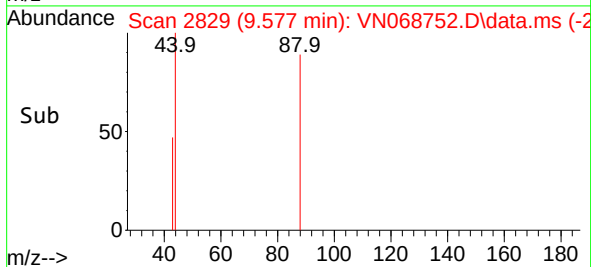
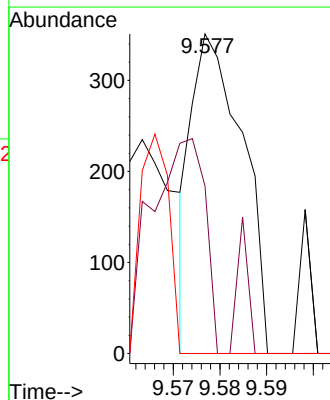
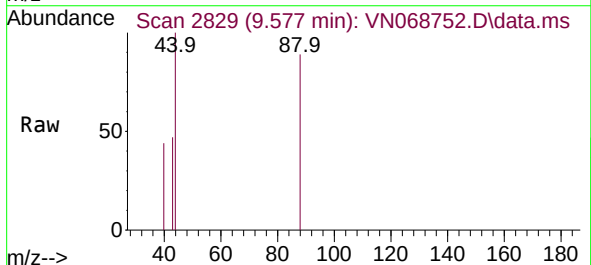
Instrument :  
MSVOA\_N  
ClientSampled :

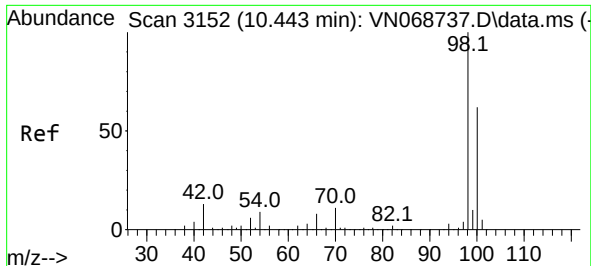
Tgt Ion:130 Resp: 113565  
Ion Ratio Lower Upper  
130 100  
95 100.3 0.0 234.4



#49  
1,4-Dioxane  
Concen: 2.725 ug/l  
RT: 9.577 min Scan# 2829  
Delta R.T. 0.008 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Tgt Ion: 88 Resp: 266  
Ion Ratio Lower Upper  
88 100  
43 70.3 28.8 43.2#  
58 0.0 60.4 90.6#

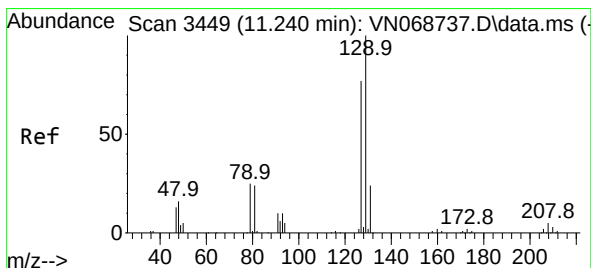
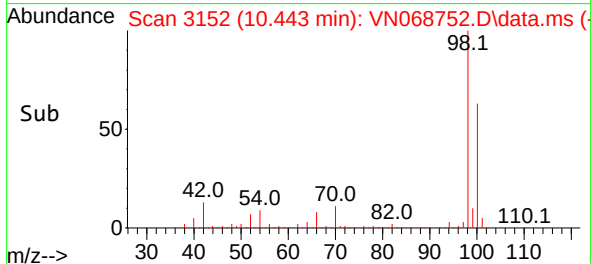
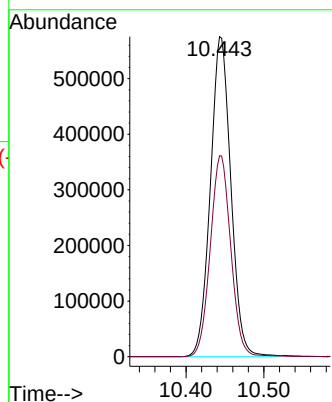
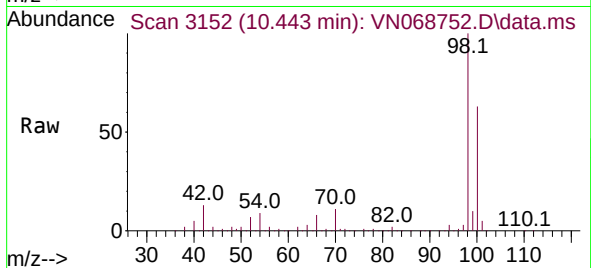




#50  
Toluene-d8  
Concen: 52.777 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

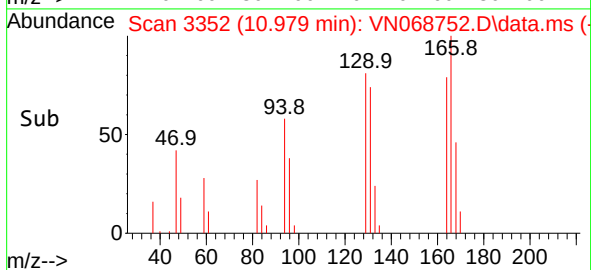
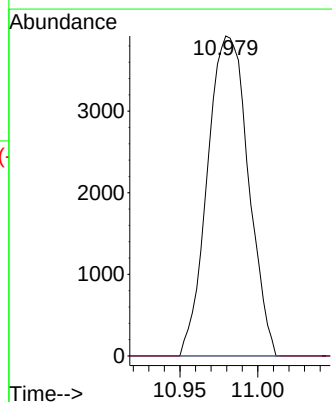
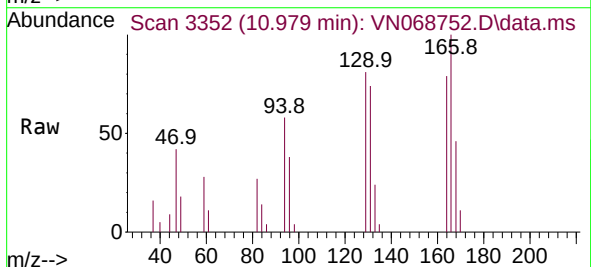
Instrument :  
MSVOA\_N  
ClientSampled :

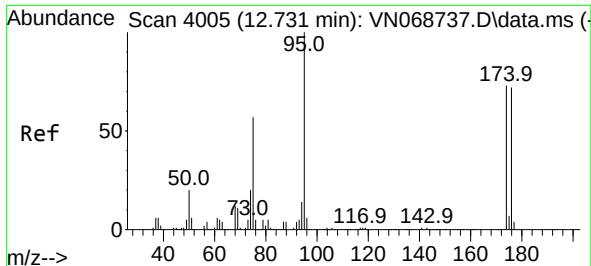
Tgt Ion: 98 Resp: 1050727  
Ion Ratio Lower Upper  
98 100  
100 62.9 51.7 77.5



#60  
Dibromochloromethane  
Concen: 0.954 ug/l  
RT: 10.979 min Scan# 3352  
Delta R.T. -0.261 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Tgt Ion:129 Resp: 7159  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.6 115.8#

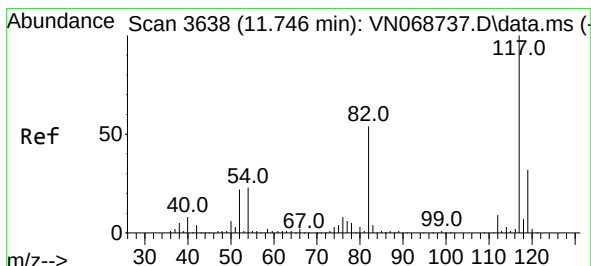
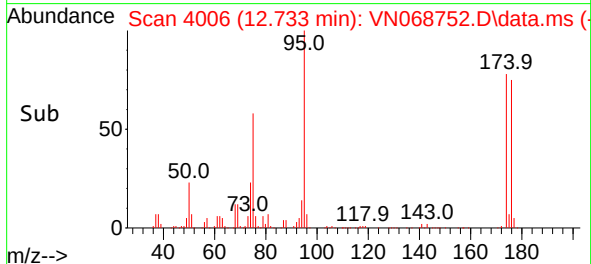
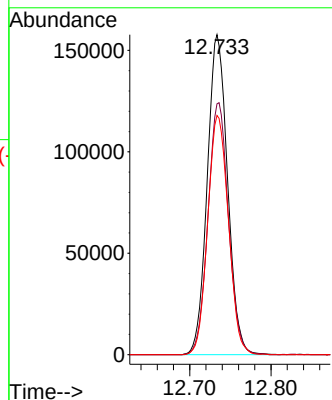
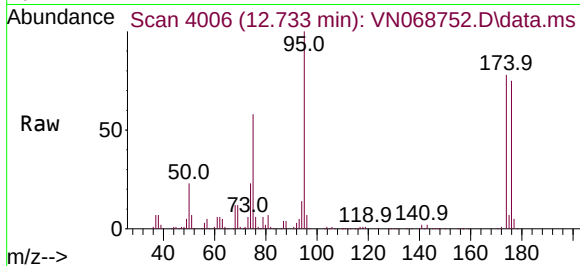




#62  
4-Bromofluorobenzene  
Concen: 39.560 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.002 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

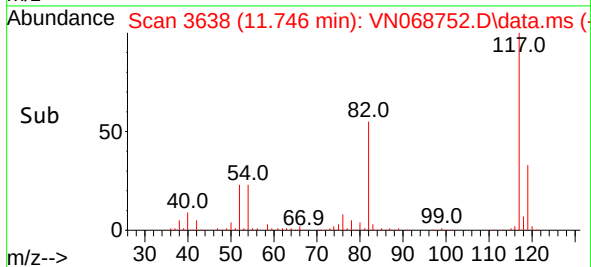
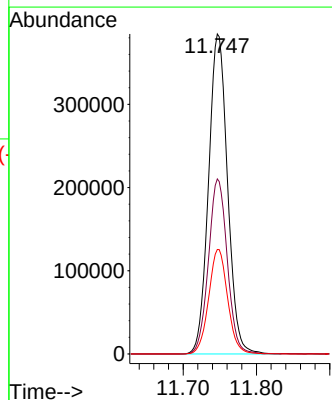
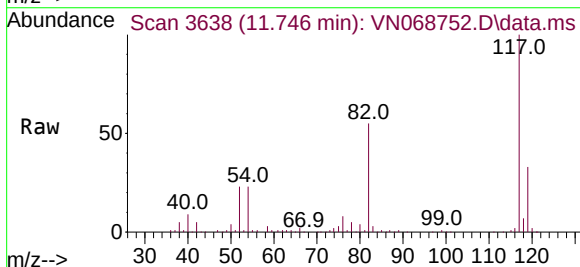
Instrument :  
MSVOA\_N  
ClientSampleId :

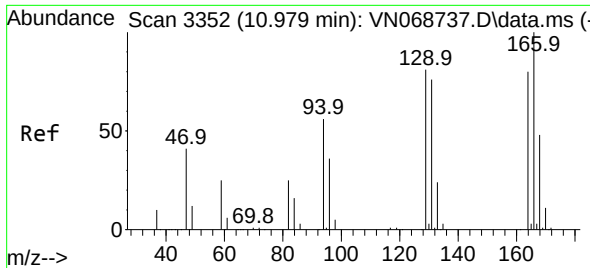
Tgt Ion: 95 Resp: 273667  
Ion Ratio Lower Upper  
95 100  
174 79.6 0.0 122.0  
176 76.2 0.0 117.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Tgt Ion: 117 Resp: 692369  
Ion Ratio Lower Upper  
117 100  
82 54.7 53.1 79.7  
119 32.7 25.5 38.3

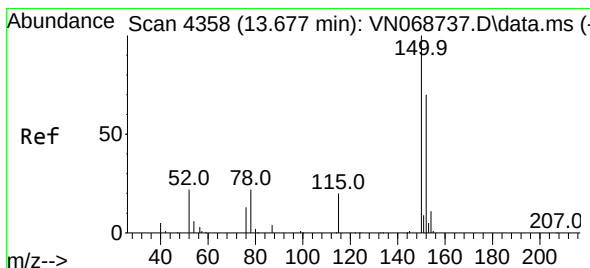
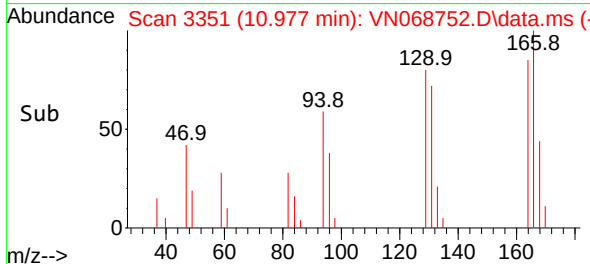
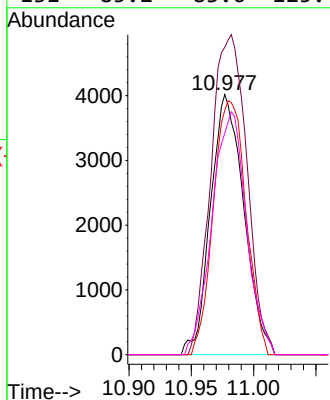
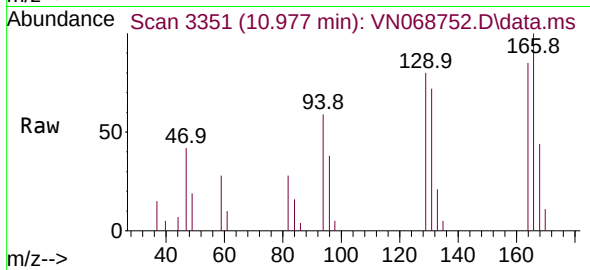




#64  
Tetrachloroethene  
Concen: 1.444 ug/l  
RT: 10.977 min Scan# 3351  
Delta R.T. -0.002 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

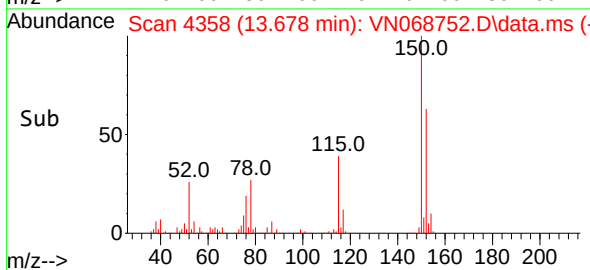
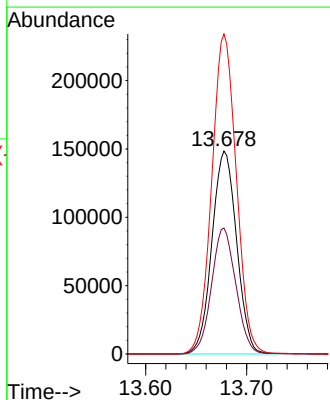
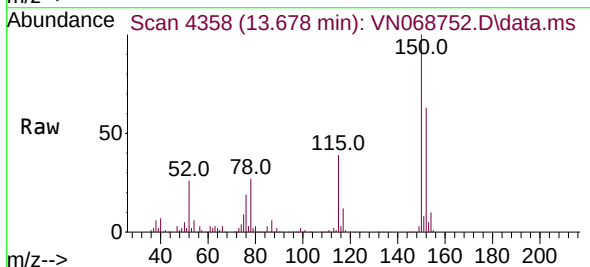
Instrument :  
MSVOA\_N  
ClientSampleId :

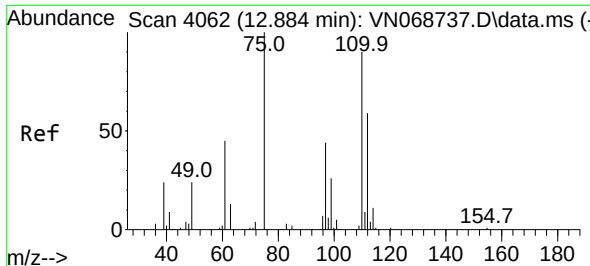
Tgt Ion:164 Resp: 7461  
Ion Ratio Lower Upper  
164 100  
166 118.2 102.1 153.1  
129 94.0 86.9 130.3  
131 85.2 83.6 125.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.001 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Tgt Ion:152 Resp: 251979  
Ion Ratio Lower Upper  
152 100  
115 61.1 36.1 108.5  
150 157.0 0.0 351.8

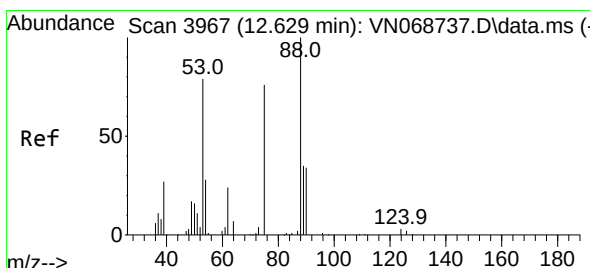
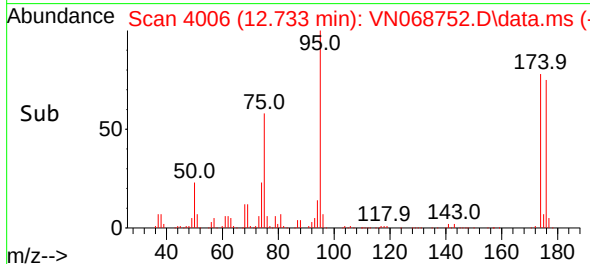
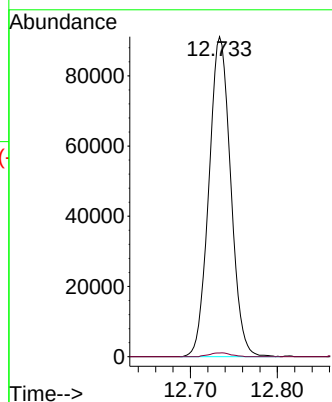
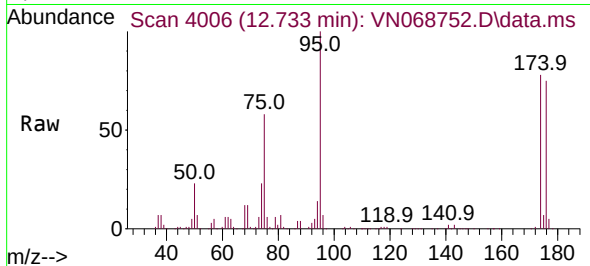




#76  
1,2,3-Trichloropropane  
Concen: 28.297 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.151 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

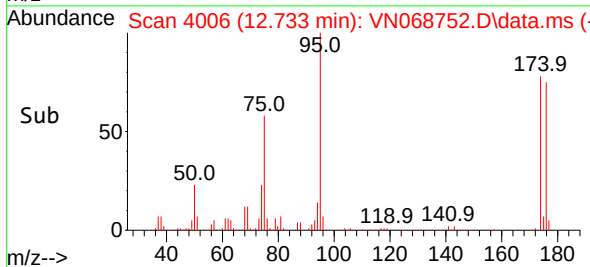
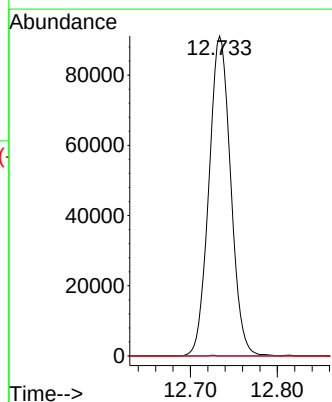
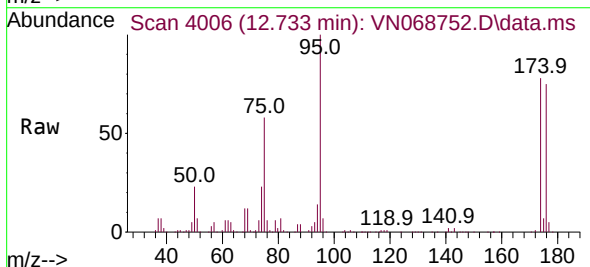
Instrument :  
MSVOA\_N  
ClientSampled :

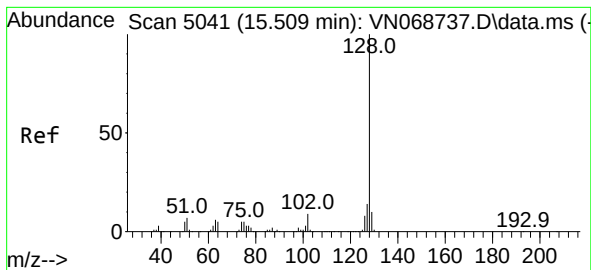
Tgt Ion: 75 Resp: 158570  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.260 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.104 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

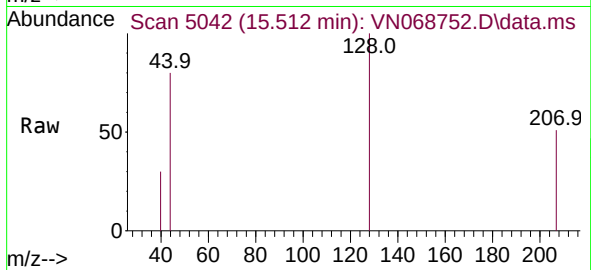
Tgt Ion: 75 Resp: 158570  
Ion Ratio Lower Upper  
75 100  
53 0.1 87.6 131.4#  
89 0.0 37.8 56.8#





#95  
Naphthalene  
Concen: 1.551 ug/l  
RT: 15.512 min Scan# 5042  
Delta R.T. 0.003 min  
Lab File: VN068752.D  
Acq: 29 Sep 2021 20:46

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion:128 Resp: 1270  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 15.8#  
129 0.0 8.6 12.8#

