

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092921\  
 Data File : VN068751.D  
 Acq On : 29 Sep 2021 20:21  
 Operator : JC/MD  
 Sample : M3915-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TT101D-20210921

Quant Time: Sep 29 23:43:55 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

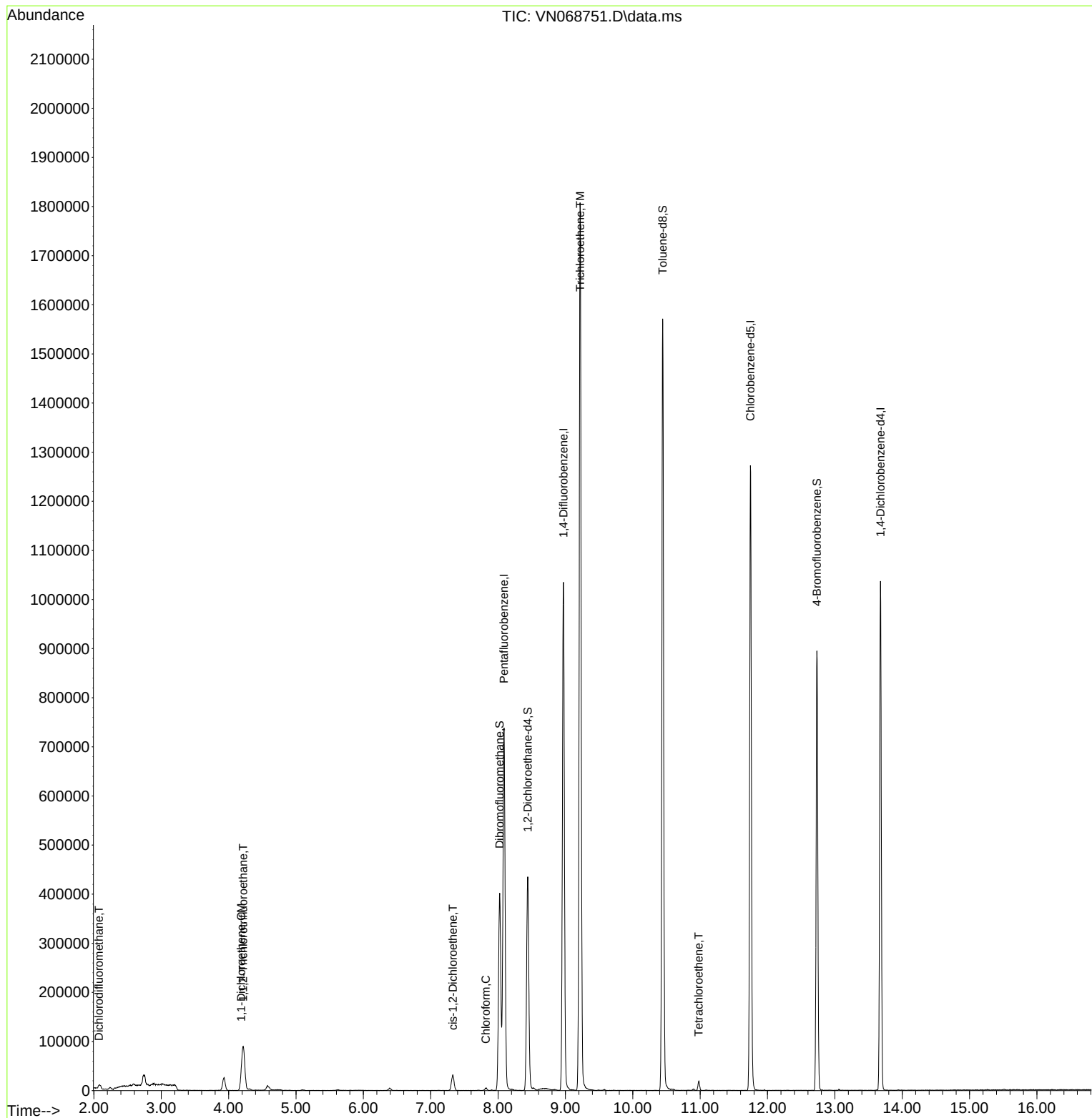
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.088  | 168   | 532150   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.971  | 114   | 909250   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747 | 117   | 724472   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.678 | 152   | 264548   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.440  | 65    | 359266   | 48.454   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 96.900%  |
| 35) Dibromofluoromethane     | 8.024  | 113   | 287079   | 50.816   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 101.640% |
| 50) Toluene-d8               | 10.443 | 98    | 1087426  | 52.675   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 105.360% |
| 62) 4-Bromofluorobenzene     | 12.734 | 95    | 291170   | 40.591   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 81.180%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.075  | 85    | 6273     | 1.076    | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.216  | 101   | 54156    | 9.280    | ug/l   | 93       |
| 12) 1,1-Dichloroethene       | 4.189  | 96    | 9648     | 1.930    | ug/l # | 75       |
| 27) cis-1,2-Dichloroethene   | 7.329  | 96    | 18051    | 2.497    | ug/l   | 75       |
| 30) Chloroform               | 7.817  | 83    | 4654     | 0.354    | ug/l   | 88       |
| 44) Trichloroethene          | 9.217  | 130   | 608365   | 87.529   | ug/l   | 85       |
| 64) Tetrachloroethene        | 10.980 | 164   | 4116     | 0.761    | ug/l # | 82       |
| -----                        |        |       |          |          |        |          |

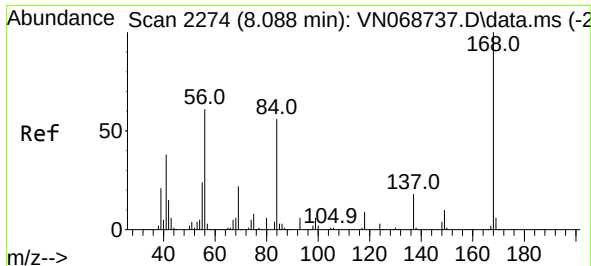
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

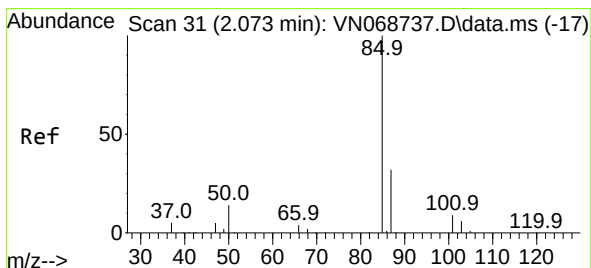
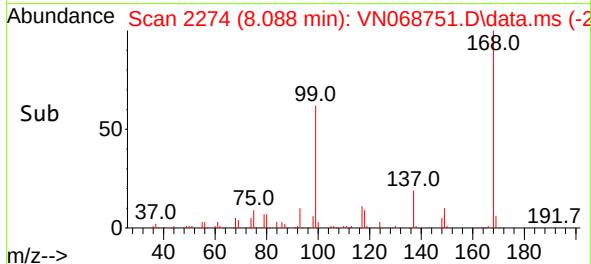
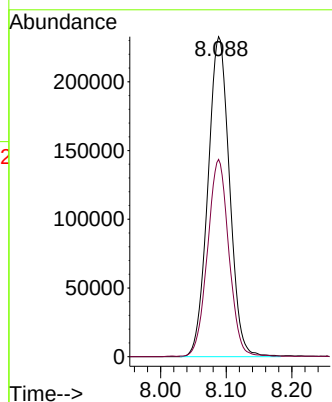
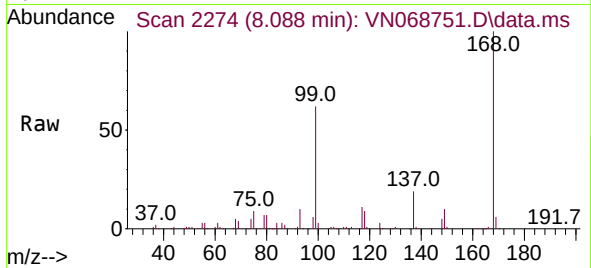




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

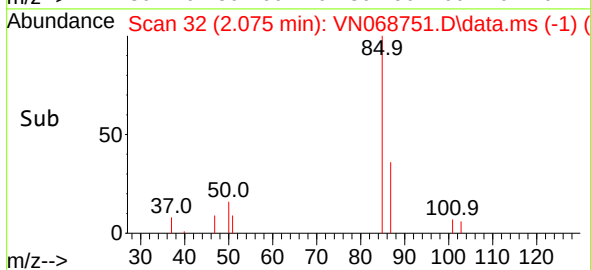
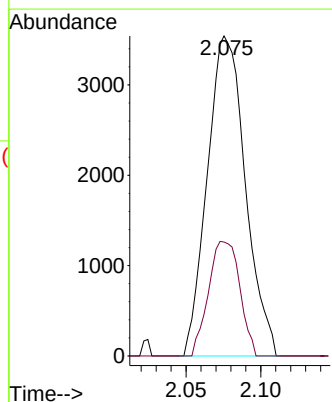
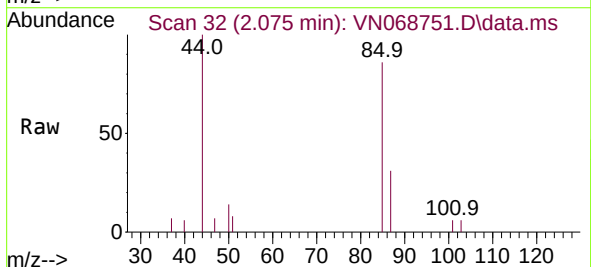
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT101D-20210921

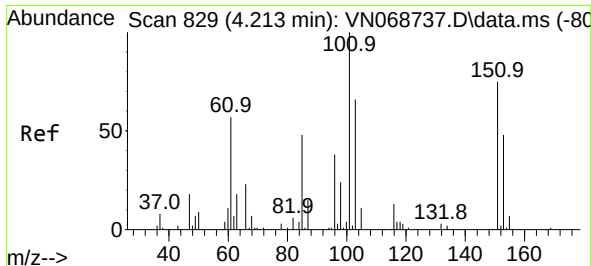
Tgt Ion:168 Resp: 532150  
Ion Ratio Lower Upper  
168 100  
99 61.4 62.9 94.3#



#2  
Dichlorodifluoromethane  
Concen: 1.076 ug/l  
RT: 2.075 min Scan# 32  
Delta R.T. 0.002 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

Tgt Ion: 85 Resp: 6273  
Ion Ratio Lower Upper  
85 100  
87 35.6 16.1 48.2

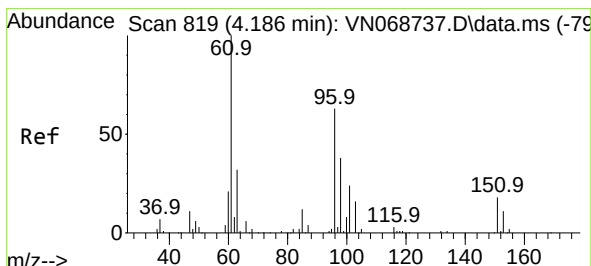
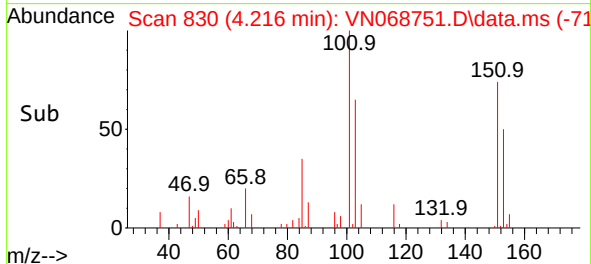
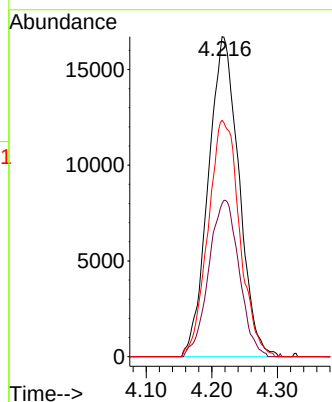
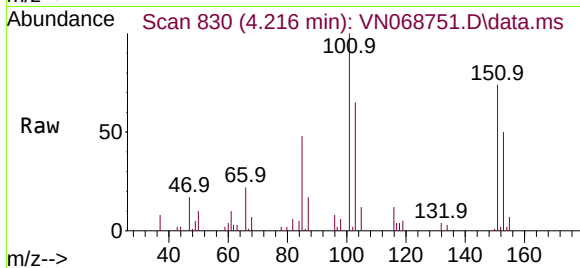




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.280 ug/l  
RT: 4.216 min Scan# 830  
Delta R.T. 0.003 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

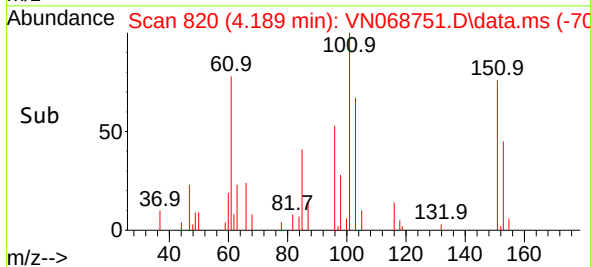
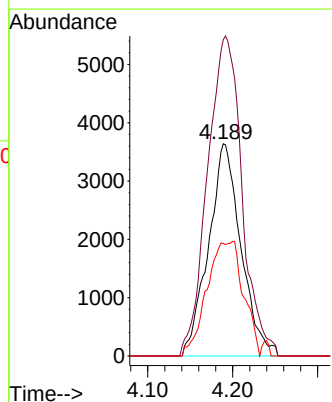
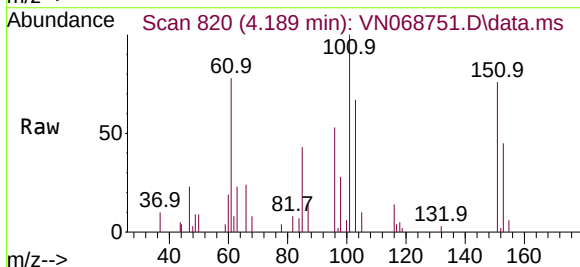
Instrument :  
MSVOA\_N  
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TT101D-20210921

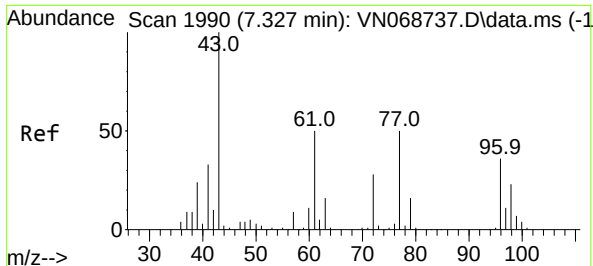
Tgt Ion:101 Resp: 54156  
Ion Ratio Lower Upper  
101 100  
85 48.6 39.6 59.4  
151 76.1 54.1 81.1



#12  
1,1-Dichloroethene  
Concen: 1.930 ug/l  
RT: 4.189 min Scan# 820  
Delta R.T. 0.003 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

Tgt Ion: 96 Resp: 9648  
Ion Ratio Lower Upper  
96 100  
61 149.0 152.6 229.0#  
98 53.1 50.9 76.3



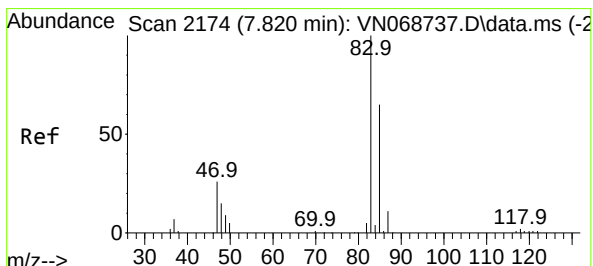
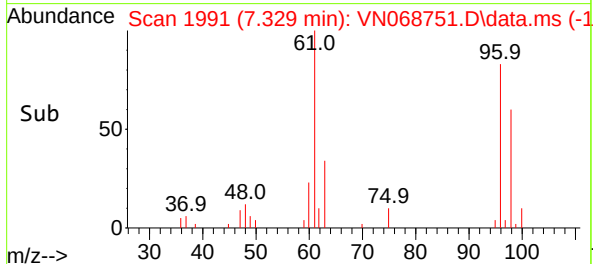
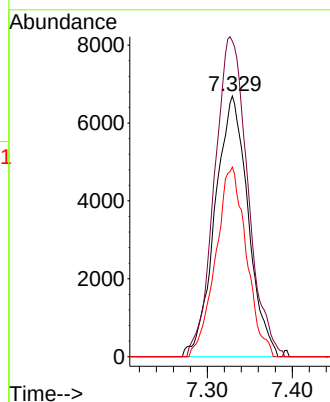
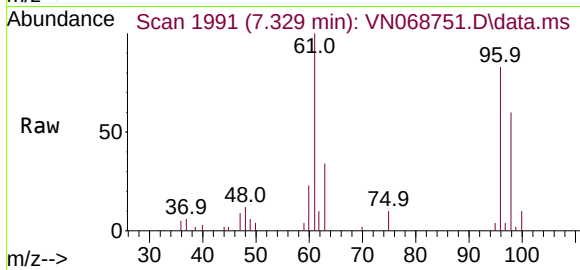


#27

cis-1,2-Dichloroethene  
Concen: 2.497 ug/l  
RT: 7.329 min Scan# 1991  
Delta R.T. 0.002 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
TT101D-20210921

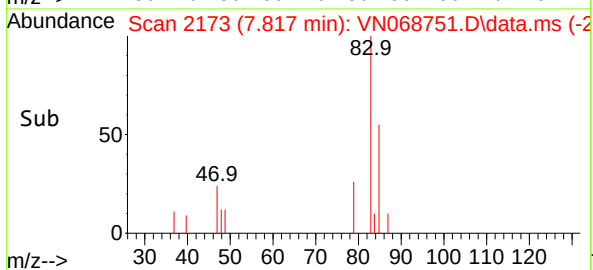
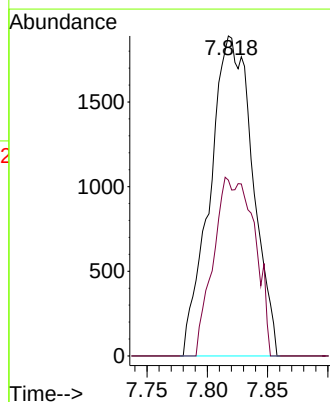
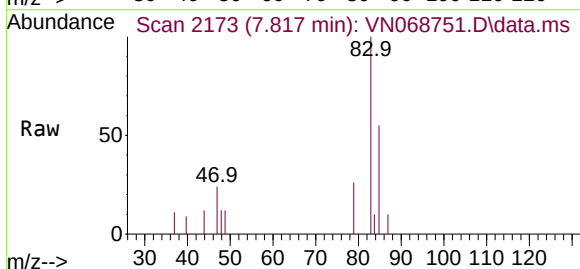
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 18051 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 123.8 | 0.0   | 338.8 |
| 98       | 67.8  | 0.0   | 129.8 |

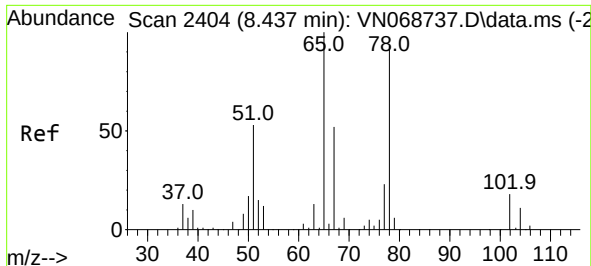


#30

Chloroform  
Concen: 0.354 ug/l  
RT: 7.817 min Scan# 2173  
Delta R.T. -0.003 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 4654  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 54.9  | 51.5  | 77.3  |



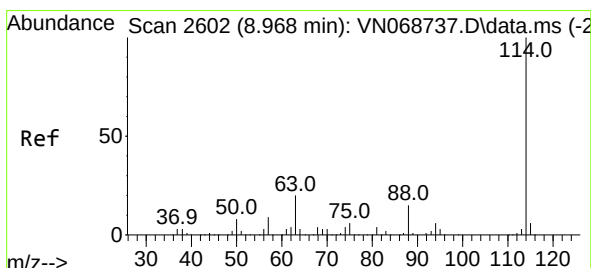
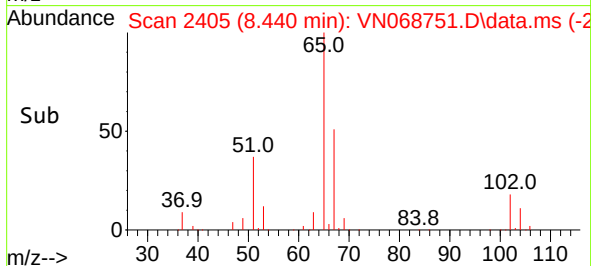
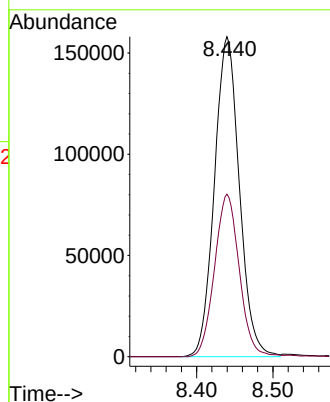
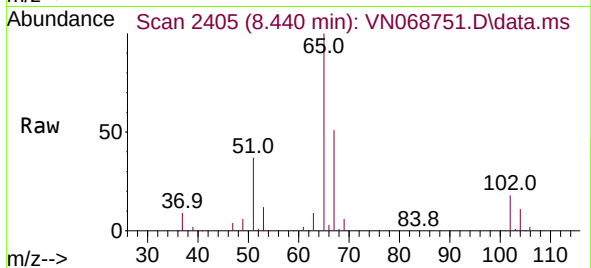


#33

1,2-Dichloroethane-d4  
Concen: 48.454 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

Instrument :  
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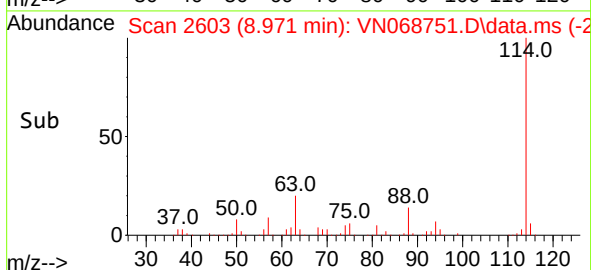
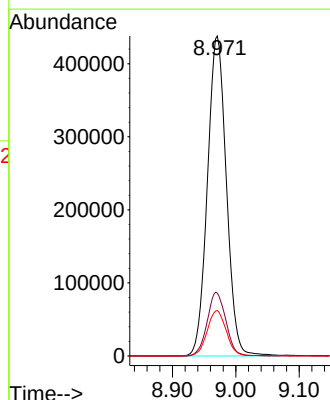
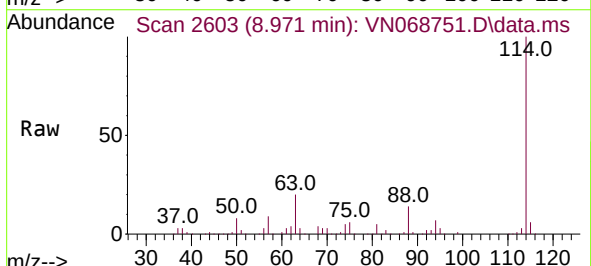
Tgt Ion: 65 Resp: 359266  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 98.6

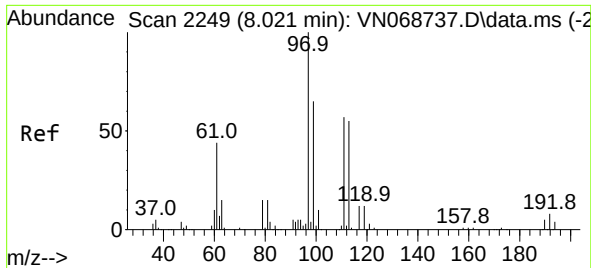


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

Tgt Ion: 114 Resp: 909250  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 49.0  
88 14.2 0.0 36.6

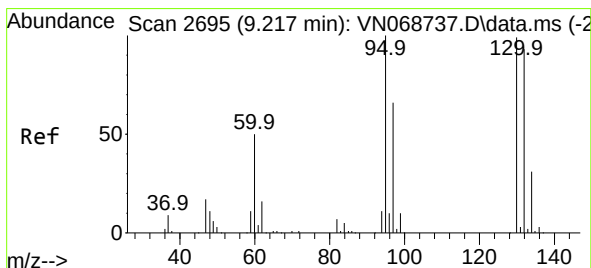
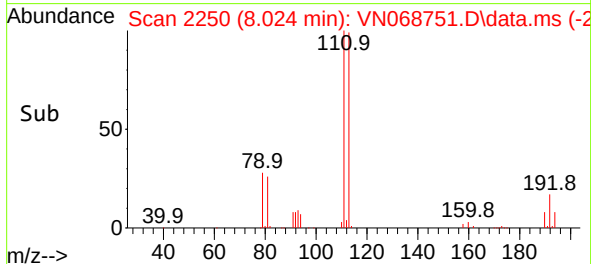
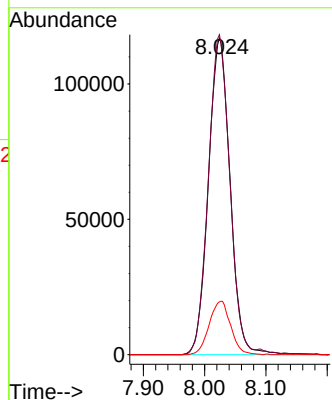
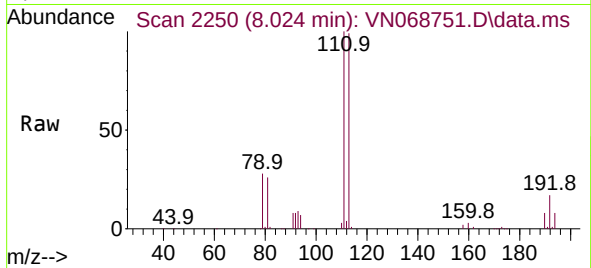




#35  
Dibromofluoromethane  
Concen: 50.816 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

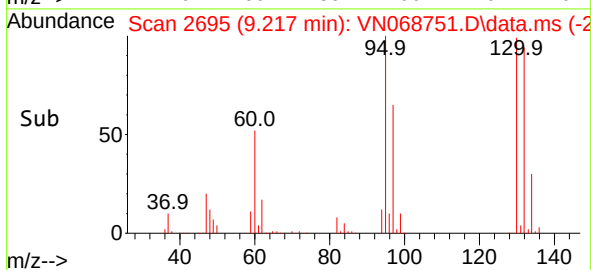
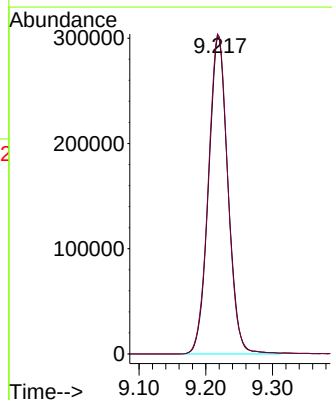
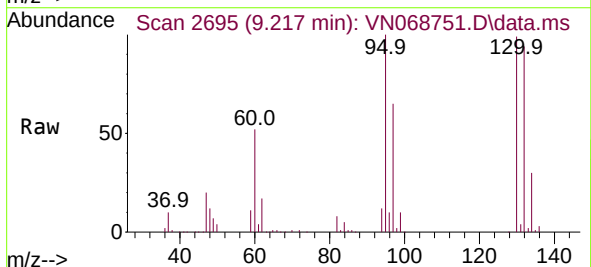
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT101D-20210921

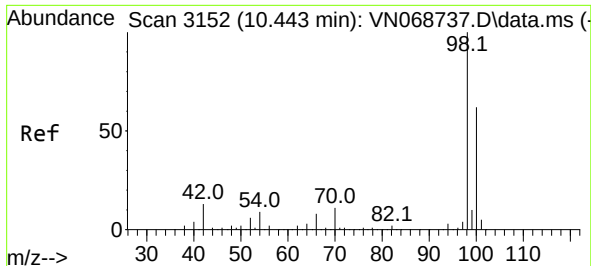
Tgt Ion:113 Resp: 287079  
Ion Ratio Lower Upper  
113 100  
111 99.9 83.8 125.8  
192 16.7 13.4 20.0



#44  
Trichloroethene  
Concen: 87.529 ug/l  
RT: 9.217 min Scan# 2695  
Delta R.T. 0.000 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

Tgt Ion:130 Resp: 608365  
Ion Ratio Lower Upper  
130 100  
95 100.6 0.0 234.4

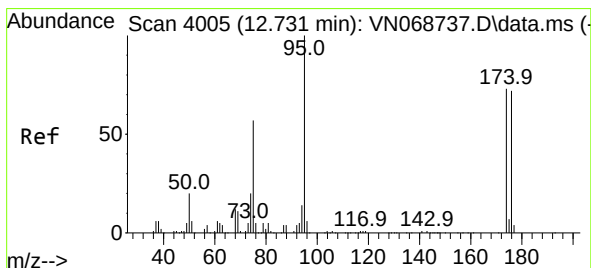
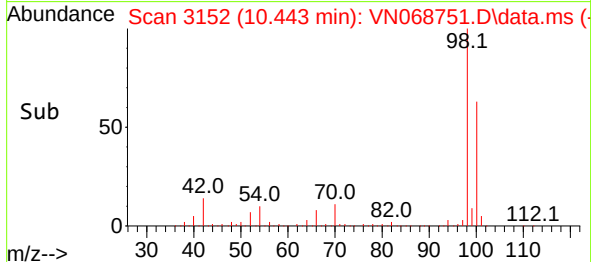
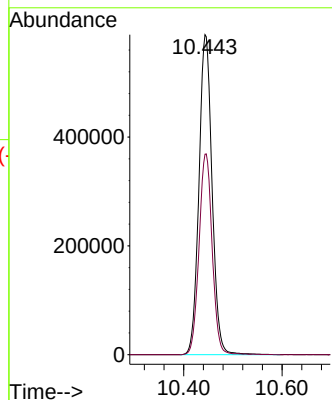
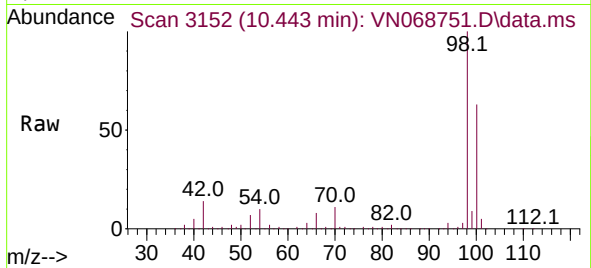




#50  
Toluene-d8  
Concen: 52.675 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

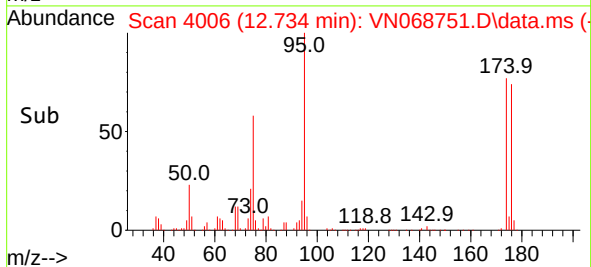
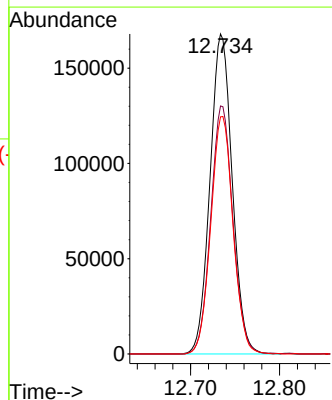
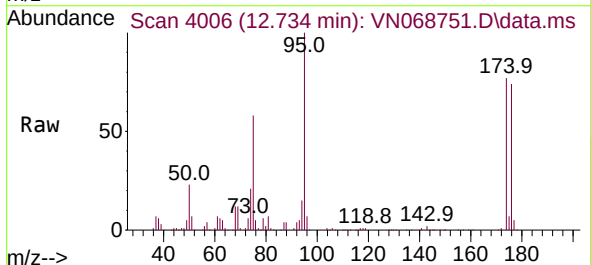
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Tgt Ion: 98 Resp: 1087426  
Ion Ratio Lower Upper  
98 100  
100 62.8 51.7 77.5

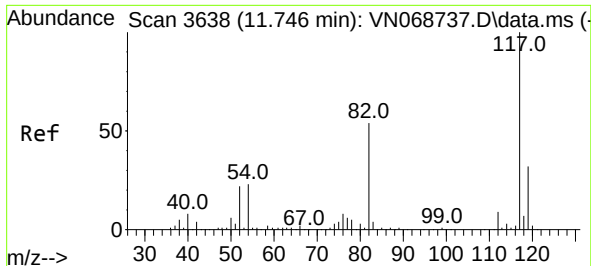


#62  
4-Bromofluorobenzene  
Concen: 40.591 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.003 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

Tgt Ion: 95 Resp: 291170  
Ion Ratio Lower Upper  
95 100  
174 77.4 0.0 122.0  
176 74.4 0.0 117.6



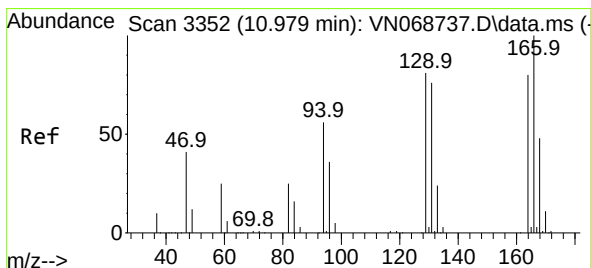
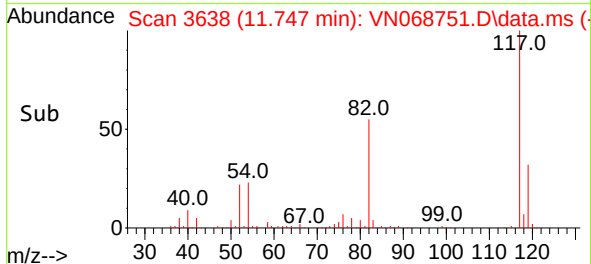
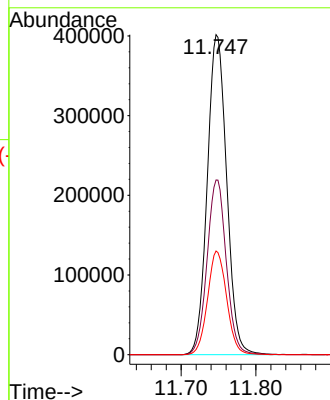
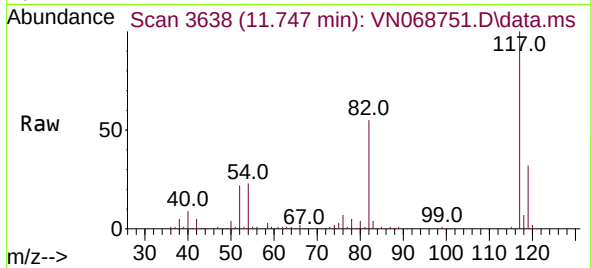




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.001 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

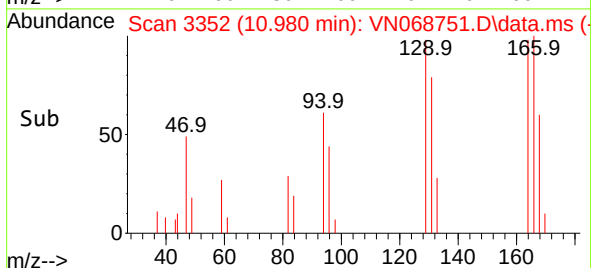
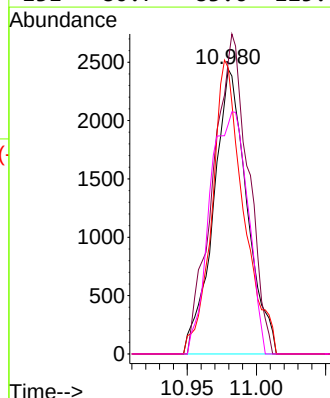
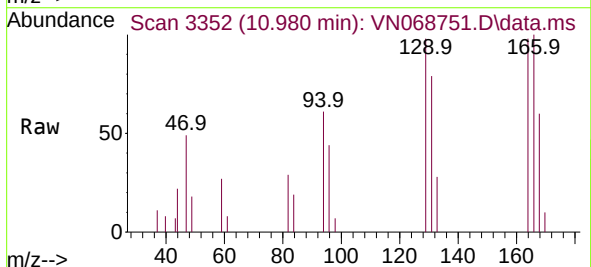
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT101D-20210921

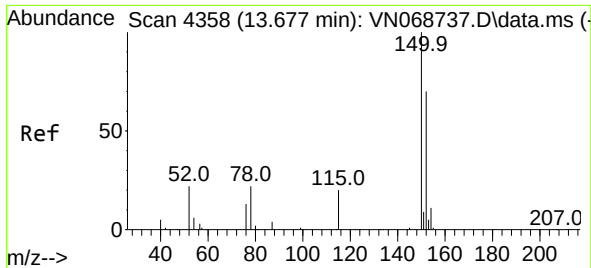
Tgt Ion:117 Resp: 724472  
Ion Ratio Lower Upper  
117 100  
82 54.6 53.1 79.7  
119 32.4 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.761 ug/l  
RT: 10.980 min Scan# 3352  
Delta R.T. 0.001 min  
Lab File: VN068751.D  
Acq: 29 Sep 2021 20:21

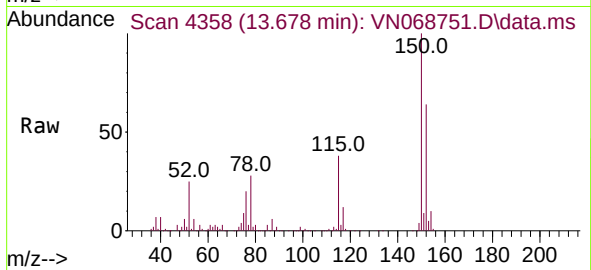
Tgt Ion:164 Resp: 4116  
Ion Ratio Lower Upper  
164 100  
166 102.5 102.1 153.1  
129 100.5 86.9 130.3  
131 80.7 83.6 125.4#





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.678 min Scan# 4358  
 Delta R.T. 0.001 min  
 Lab File: VN068751.D  
 Acq: 29 Sep 2021 20:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TT101D-20210921



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.5  | 36.1  | 108.5 |
| 150     | 158.6 | 0.0   | 351.8 |

