

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062922\  
 Data File : VN073252.D  
 Acq On : 29 Jun 2022 18:56  
 Operator : JC\MD  
 Sample : N3496-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

Quant Time: Jun 30 07:01:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 Response via : Initial Calibration

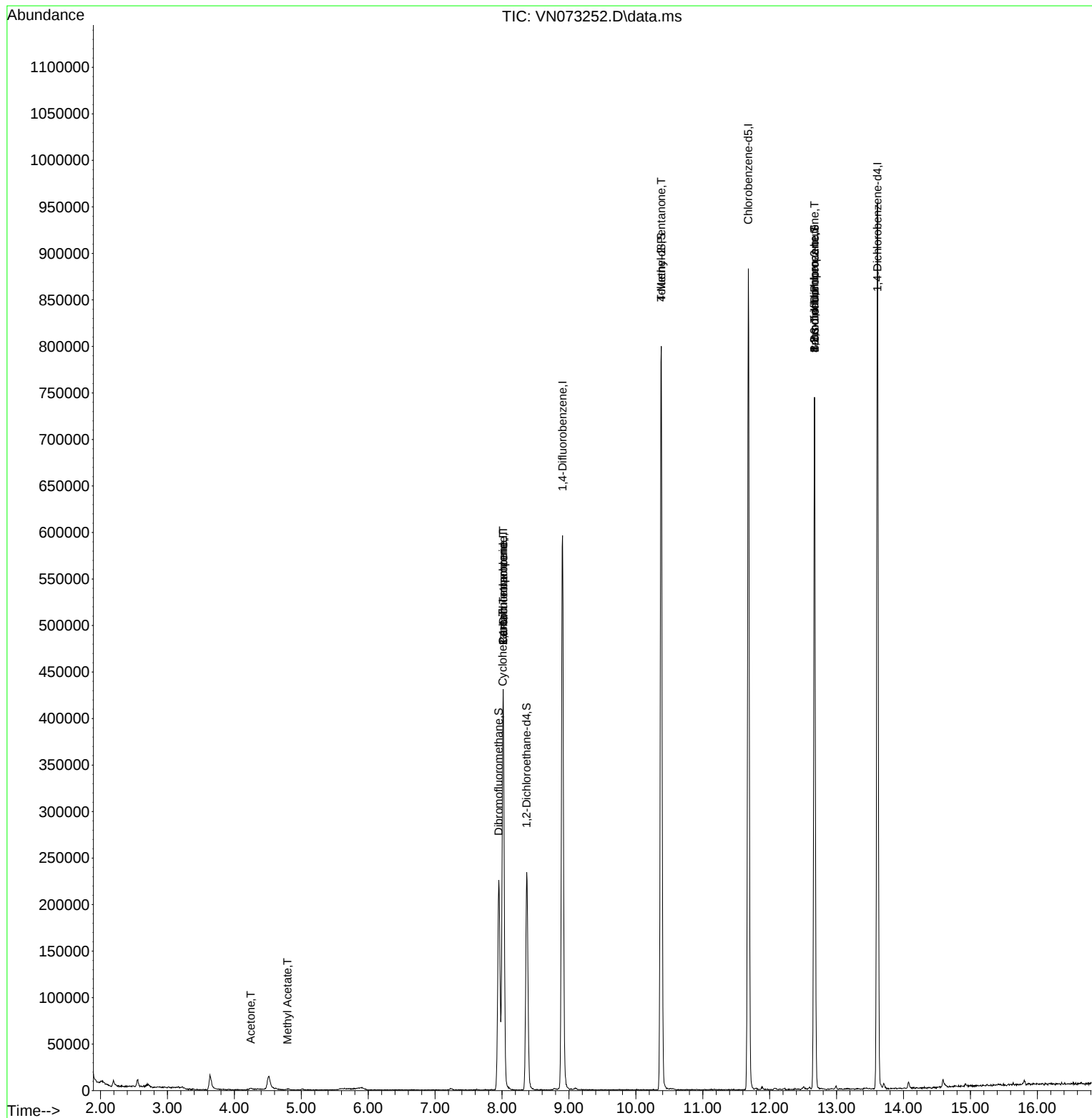
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.016  | 168   | 322007   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.904  | 114   | 531165   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.680 | 117   | 502137   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.610 | 152   | 251221   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369  | 65    | 200188   | 43.065   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 86.120%  |
| 35) Dibromofluoromethane      | 7.951  | 113   | 168697   | 47.737   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 95.480%  |
| 50) Toluene-d8                | 10.381 | 98    | 553232   | 44.078   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 88.160%  |
| 62) 4-Bromofluorobenzene      | 12.669 | 95    | 255465   | 52.964   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 105.920% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 4.246  | 43    | 2620     | 1.004    | ug/l # | 86       |
| 18) Methyl Acetate            | 4.793  | 43    | 1660     | 0.227    | ug/l # | 68       |
| 31) Cyclohexane               | 8.010  | 56    | 6966     | 0.915    | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 8.016  | 75    | 26250    | 4.827    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.016  | 117   | 32774    | 5.828    | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.381 | 43    | 3067     | 0.410    | ug/l # | 1        |
| 71) Bromoform                 | 12.669 | 173   | 1865     | 0.610    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.669 | 75    | 131486   | 20.016   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.669 | 75    | 131486   | 54.894   | ug/l # | 10       |
| -----                         |        |       |          |          |        |          |

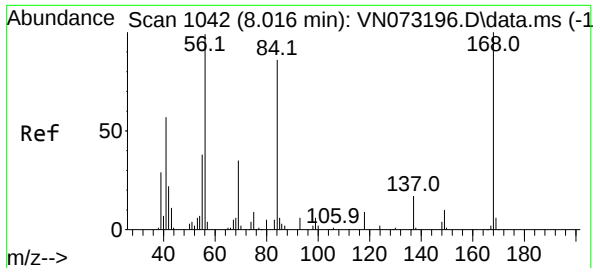
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N3496-03  
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ALS Vial : 24 Sample Multiplier: 1

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STORAGE-BLANK-WATER-REF-4

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 29 01:54:03 2022  
Response via : Initial Calibration

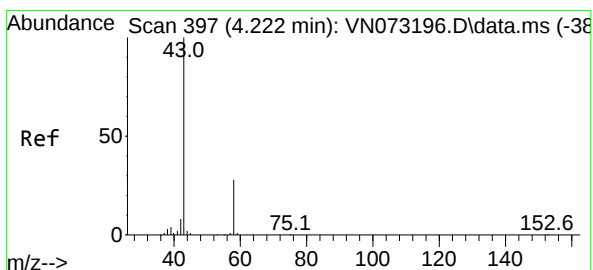
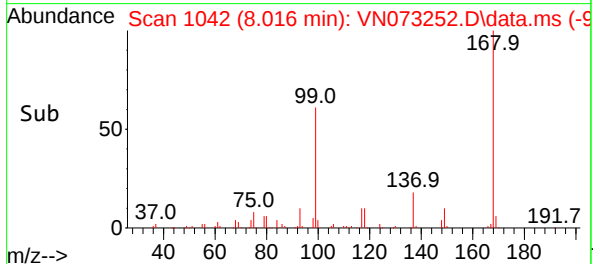
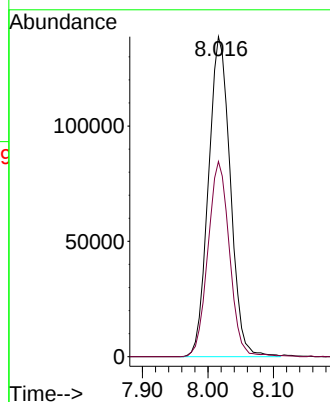
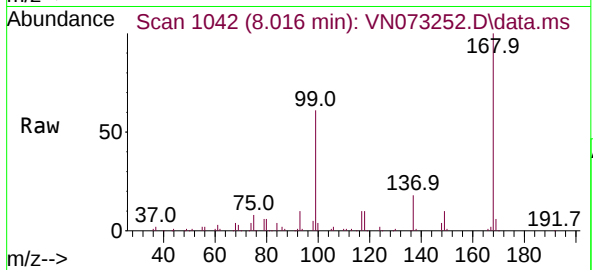




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

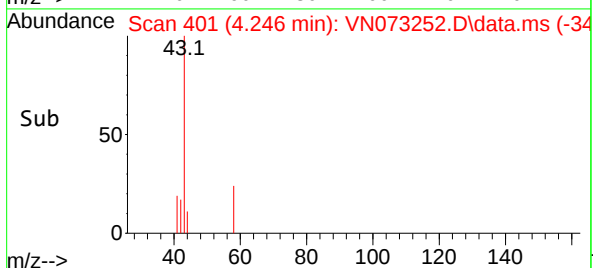
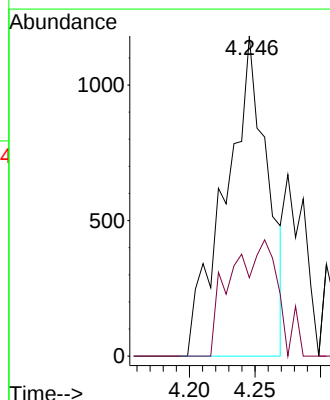
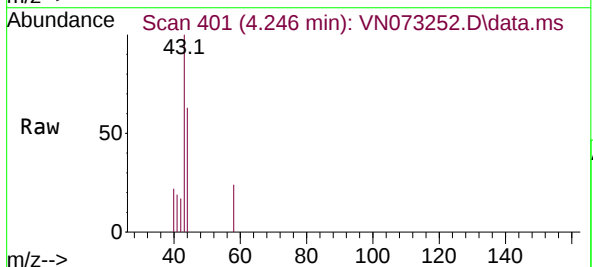
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

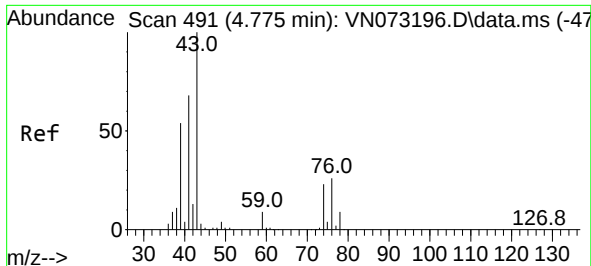
Tgt Ion:168 Resp: 322007  
Ion Ratio Lower Upper  
168 100  
99 61.0 42.3 63.5



#16  
Acetone  
Concen: 1.004 ug/l  
RT: 4.246 min Scan# 401  
Delta R.T. 0.024 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

Tgt Ion: 43 Resp: 2620  
Ion Ratio Lower Upper  
43 100  
58 24.5 26.0 39.0#

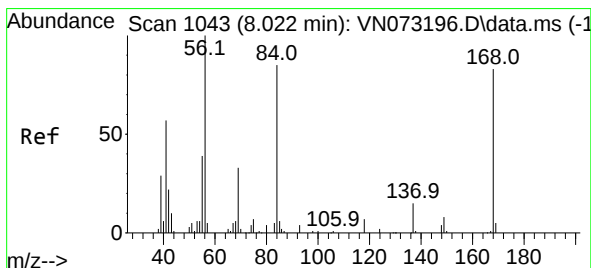
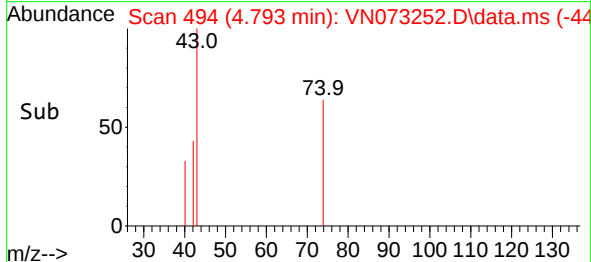
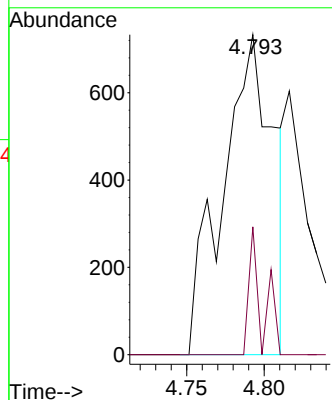
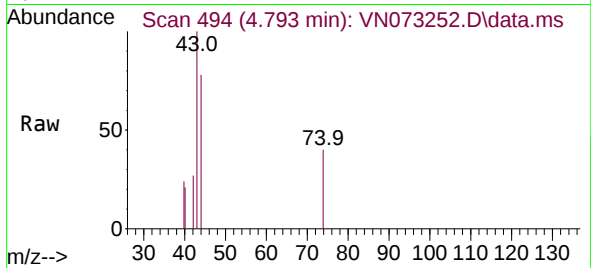




#18  
Methyl Acetate  
Concen: 0.227 ug/l  
RT: 4.793 min Scan# 491  
Delta R.T. 0.018 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

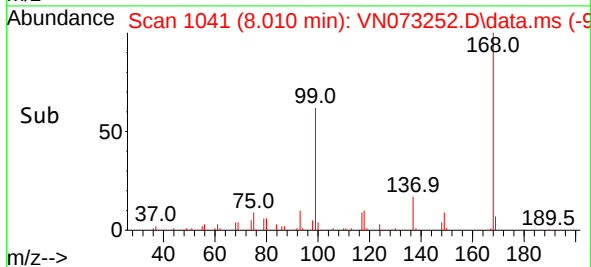
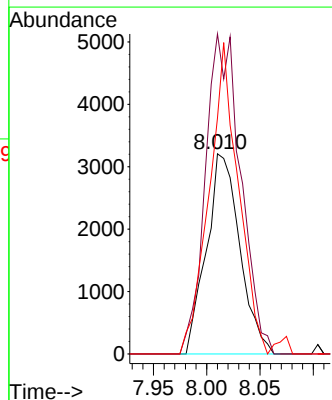
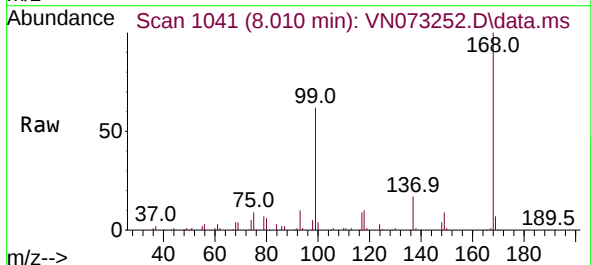
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 43 Resp: 1660  
Ion Ratio Lower Upper  
43 100  
74 10.4 21.6 32.4#



#31  
Cyclohexane  
Concen: 0.915 ug/l  
RT: 8.010 min Scan# 1041  
Delta R.T. -0.012 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

Tgt Ion: 56 Resp: 6966  
Ion Ratio Lower Upper  
56 100  
69 159.9 27.8 41.8#  
84 117.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 43.065 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073252.D

Acq: 29 Jun 2022 18:56

Instrument :

MSVOA\_N

ClientSampleId :

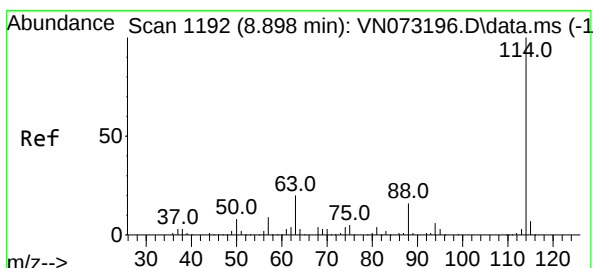
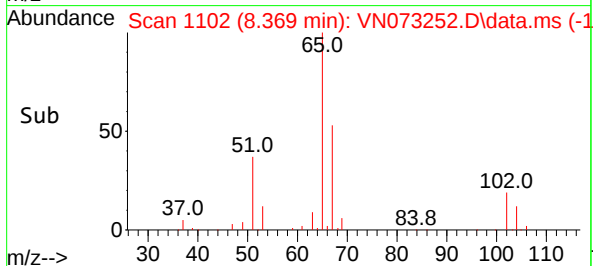
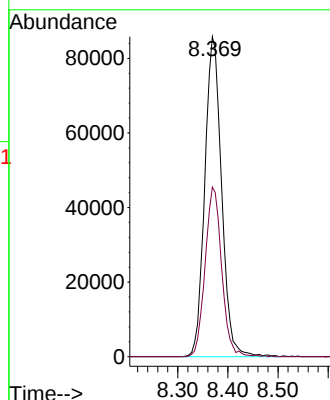
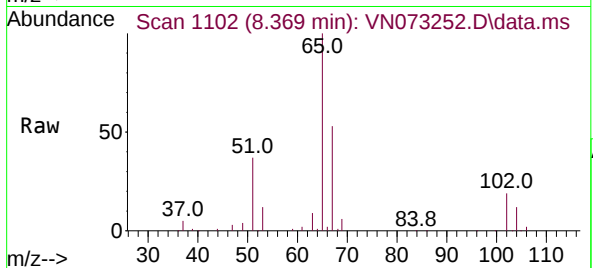
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 200188

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073252.D

Acq: 29 Jun 2022 18:56

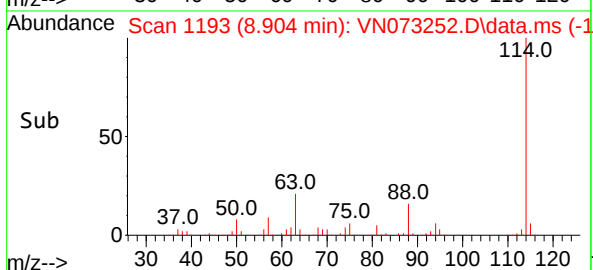
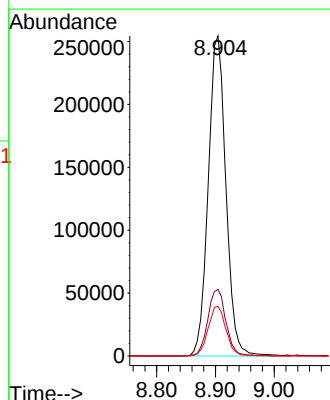
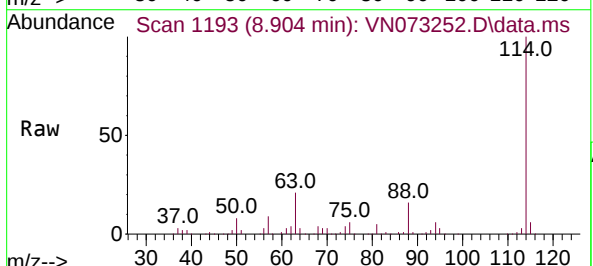
Tgt Ion: 114 Resp: 531165

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.0

88 15.5 0.0 32.6

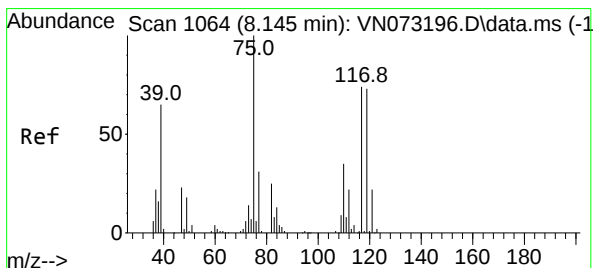
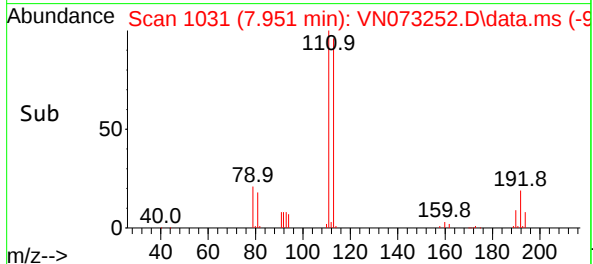
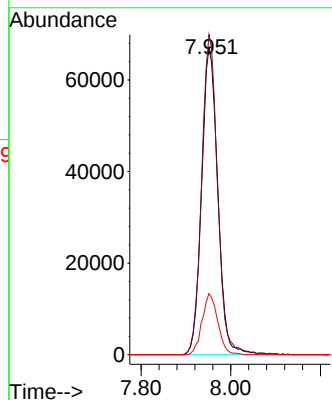
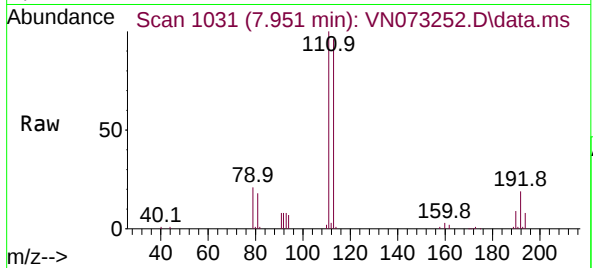




#35  
Dibromofluoromethane  
Concen: 47.737 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

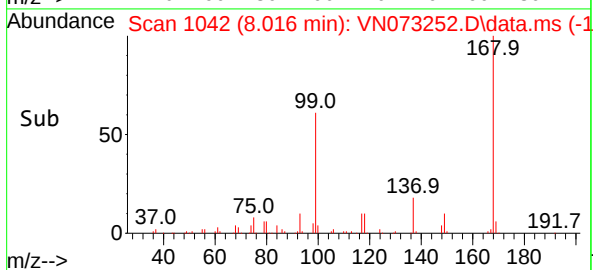
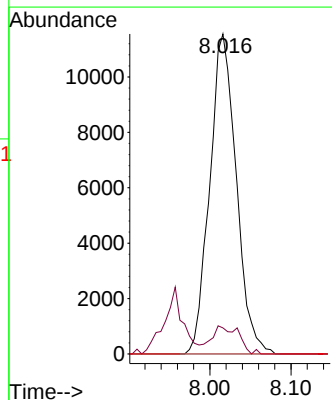
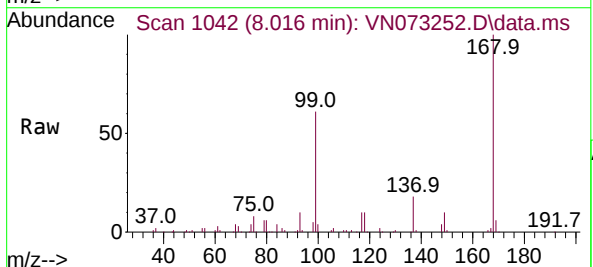
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ClientSampleId :  
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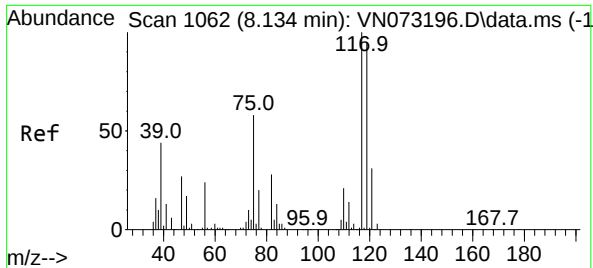
Tgt Ion:113 Resp: 168697  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.4 122.0  
192 19.1 17.0 25.6



#36  
1,1-Dichloropropene  
Concen: 4.827 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.129 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

Tgt Ion: 75 Resp: 26250  
Ion Ratio Lower Upper  
75 100  
110 9.1 18.3 54.8#  
77 0.0 25.1 37.7#

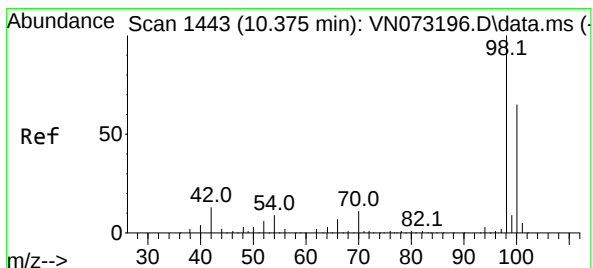
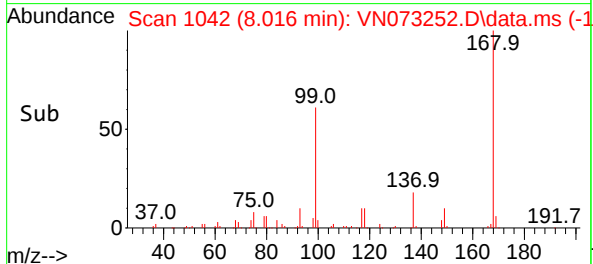
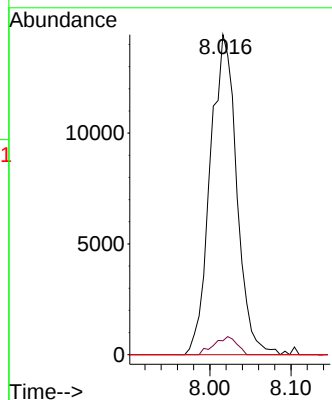
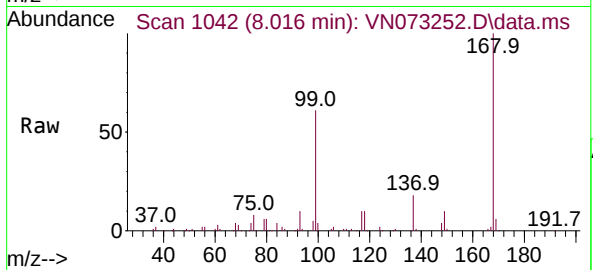




#38  
Carbon Tetrachloride  
Concen: 5.828 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.118 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

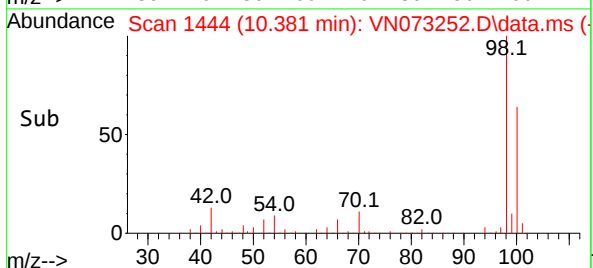
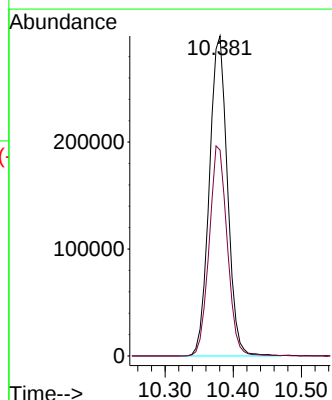
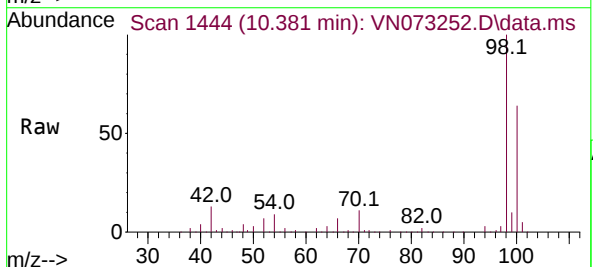
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MSVOA\_N  
ClientSampleId :  
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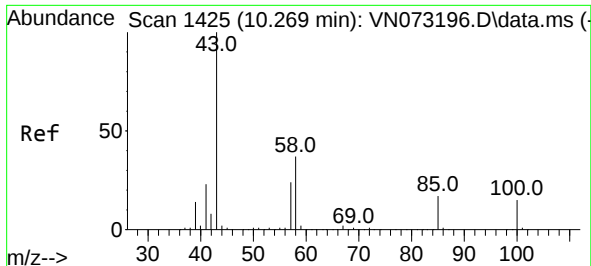
Tgt Ion:117 Resp: 32774  
Ion Ratio Lower Upper  
117 100  
119 4.4 75.8 113.8#  
121 0.0 24.6 37.0#



#50  
Toluene-d8  
Concen: 44.078 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.006 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

Tgt Ion: 98 Resp: 553232  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.6 78.8

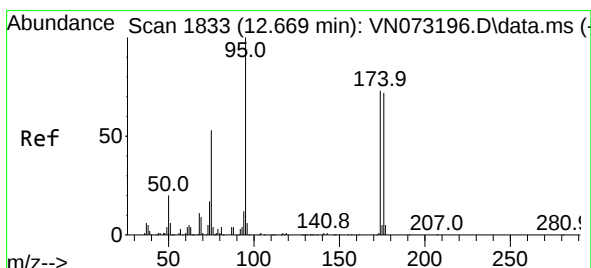
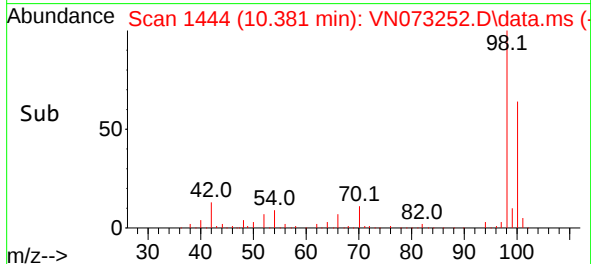
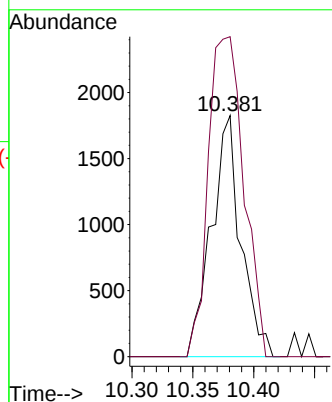
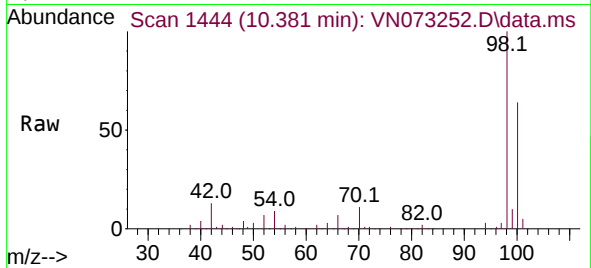




#51  
4-Methyl-2-Pentanone  
Concen: 0.410 ug/l  
RT: 10.381 min Scan# 1425  
Delta R.T. 0.112 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

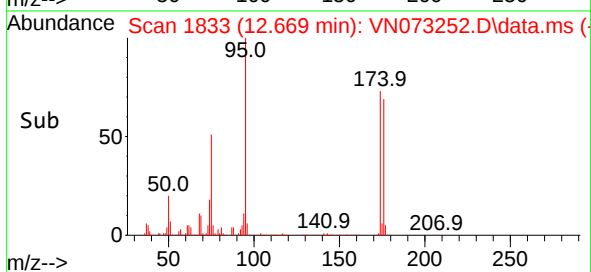
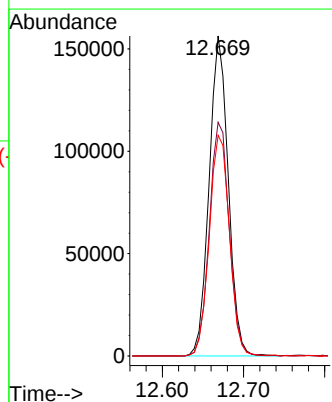
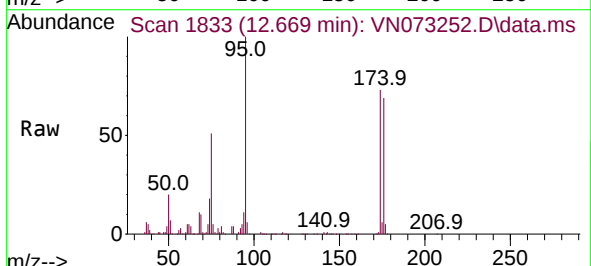
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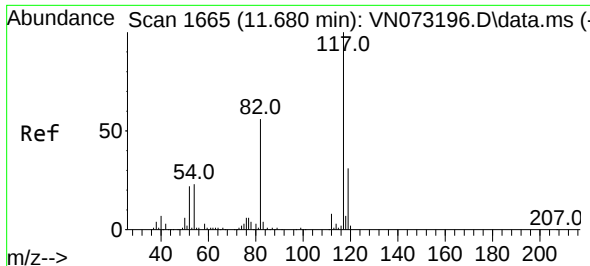
Tgt Ion: 43 Resp: 3067  
Ion Ratio Lower Upper  
43 100  
58 160.8 34.1 51.1#



#62  
4-Bromofluorobenzene  
Concen: 52.964 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

Tgt Ion: 95 Resp: 255465  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 167.6  
176 72.8 0.0 163.4

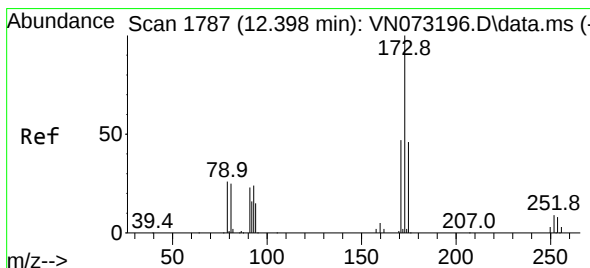
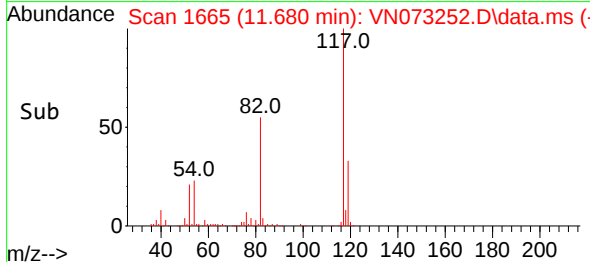
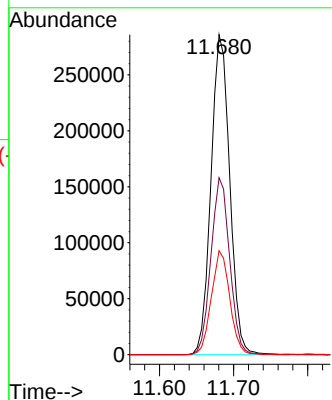
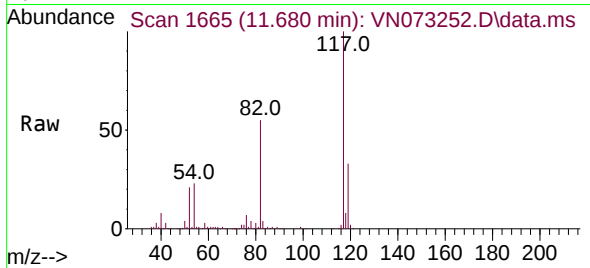




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.680 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

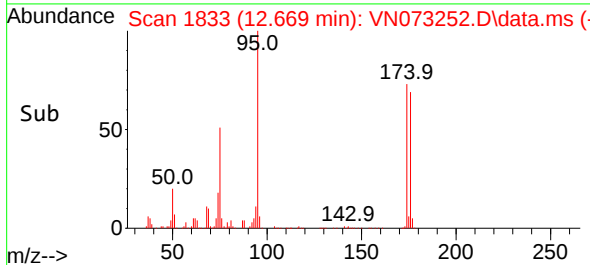
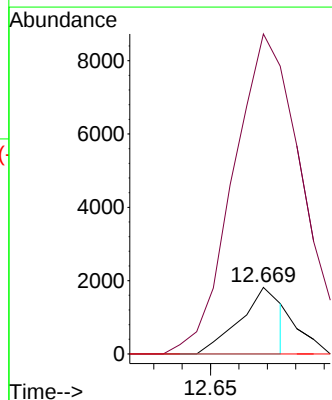
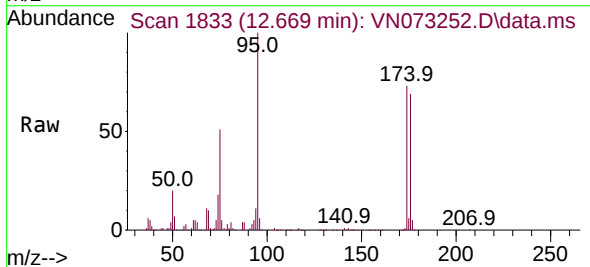
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

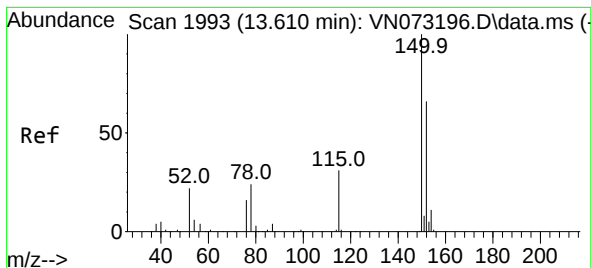
Tgt Ion:117 Resp: 502137  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.2 66.2  
119 32.5 25.4 38.0



#71  
Bromoform  
Concen: 0.610 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. 0.271 min  
Lab File: VN073252.D  
Acq: 29 Jun 2022 18:56

Tgt Ion:173 Resp: 1865  
Ion Ratio Lower Upper  
173 100  
175 579.3 24.6 73.6#  
254 0.0 0.1 0.1#

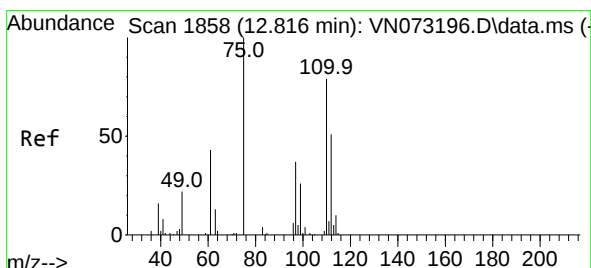
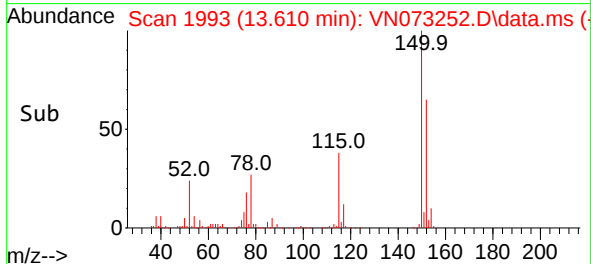
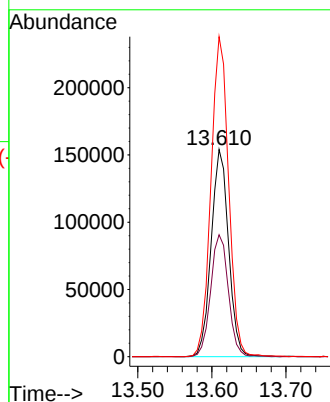
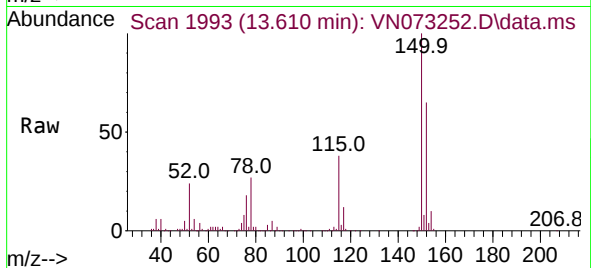




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.610 min Scan# 1993  
 Delta R.T. -0.000 min  
 Lab File: VN073252.D  
 Acq: 29 Jun 2022 18:56

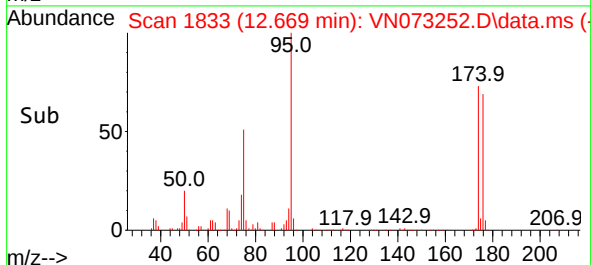
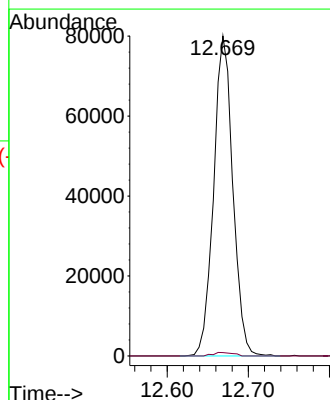
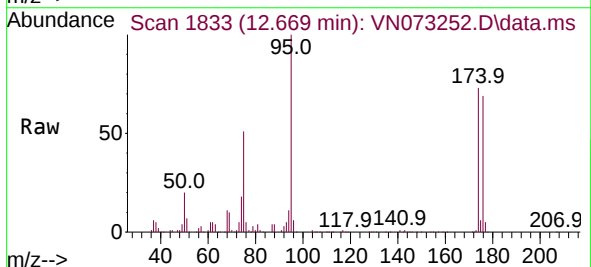
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

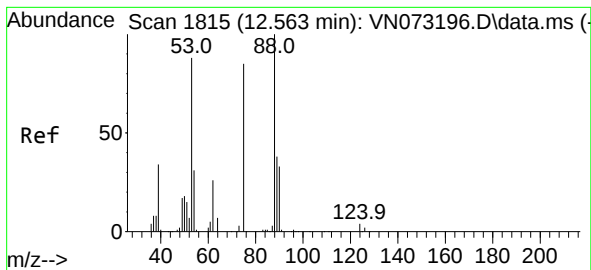
Tgt Ion:152 Resp: 251221  
 Ion Ratio Lower Upper  
 152 100  
 115 59.8 28.9 86.7  
 150 156.7 0.0 356.2



#76  
 1,2,3-Trichloropropane  
 Concen: 20.016 ug/l  
 RT: 12.669 min Scan# 1833  
 Delta R.T. -0.147 min  
 Lab File: VN073252.D  
 Acq: 29 Jun 2022 18:56

Tgt Ion: 75 Resp: 131486  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 98.5 295.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 54.894 ug/l  
 RT: 12.669 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VN073252.D  
 Acq: 29 Jun 2022 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 131486  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.0 117.0#  
 89 0.0 37.2 55.8#

