

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121622\  
 Data File : VN075854.D  
 Acq On : 16 Dec 2022 17:50  
 Operator : JC\MD  
 Sample : N6110-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-SAMPLE-TANK-10-13-14-15-17

Quant Time: Dec 17 08:42:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

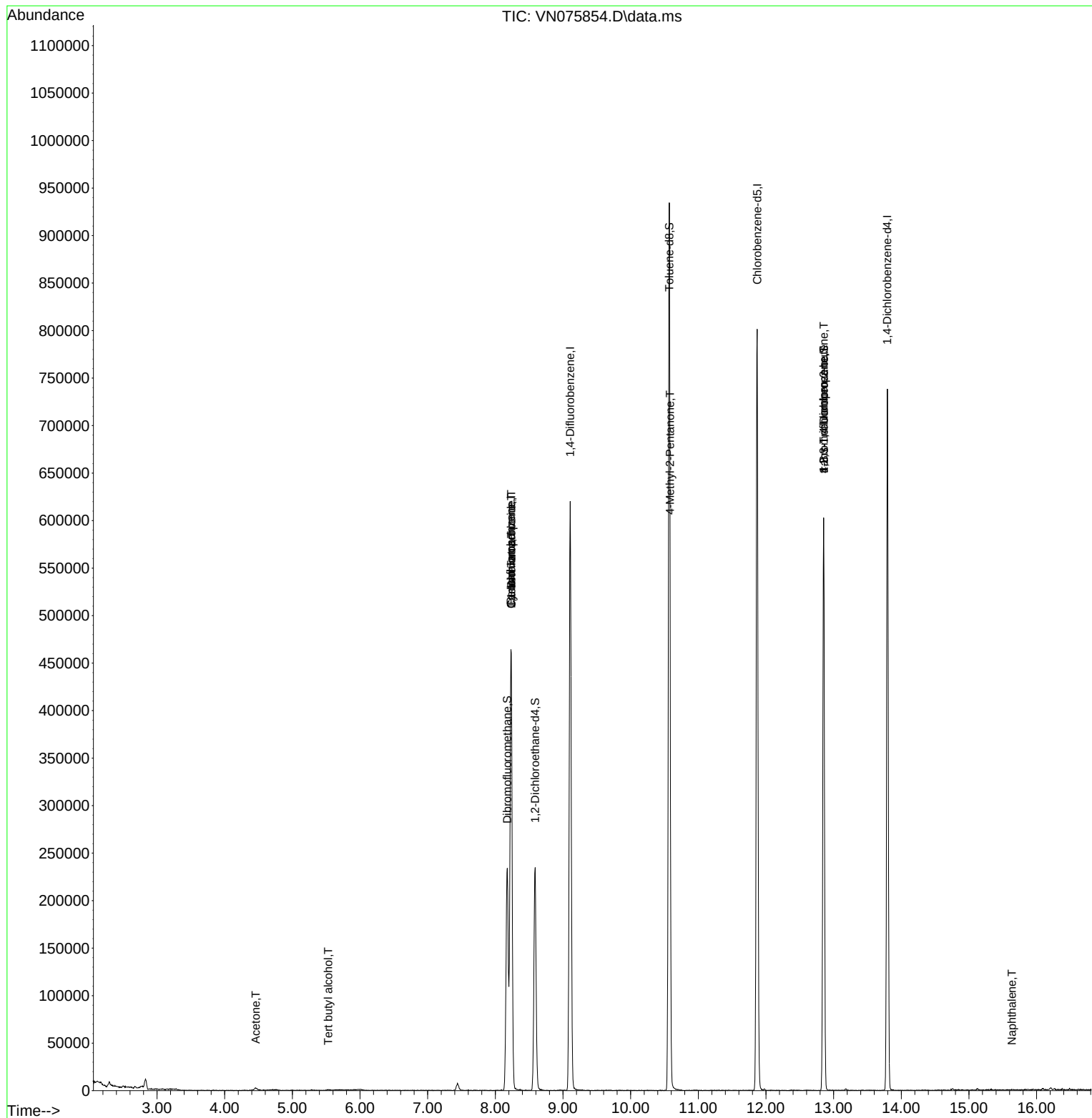
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 365045   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 576132   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.871 | 117   | 494952   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 204477   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.588  | 65    | 188424   | 47.446    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 94.900%  |
| 35) Dibromofluoromethane      | 8.177  | 113   | 168877   | 47.332    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 94.660%  |
| 50) Toluene-d8                | 10.571 | 98    | 657374   | 49.278    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 98.560%  |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 201860   | 45.687    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 91.380%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 5.530  | 59    | 1210     | 2.153     | ug/l # | 72       |
| 16) Acetone                   | 4.459  | 43    | 4895     | 3.576     | ug/l # | 85       |
| 20) Methylene Chloride        | 5.283  | 84    | 238      | Below Cal | #      | 56       |
| 31) Cyclohexane               | 8.236  | 56    | 7167     | 1.260     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.236  | 75    | 25767    | 5.437     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.236  | 117   | 36312    | 6.845     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.582 | 43    | 2239     | 0.590     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 104894   | 25.449    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 104894   | 91.603    | ug/l # | 12       |
| 95) Naphthalene               | 15.635 | 128   | 755      | 2.242     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

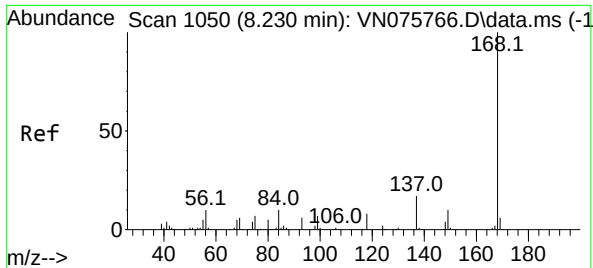
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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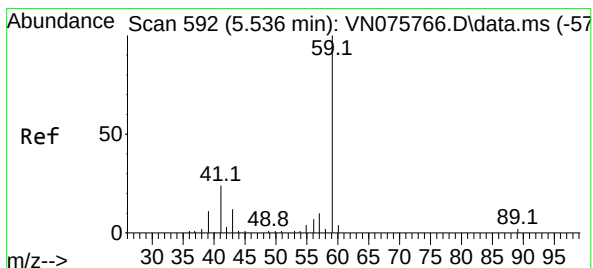
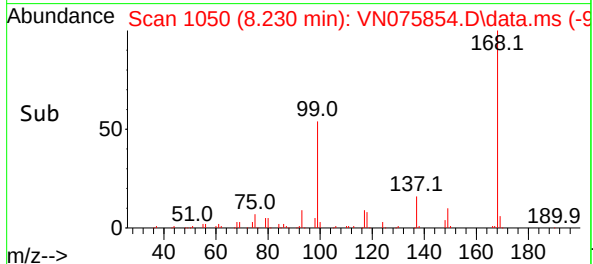
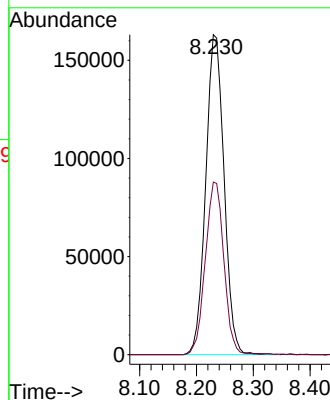
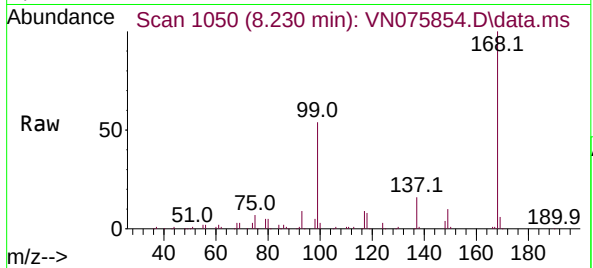




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

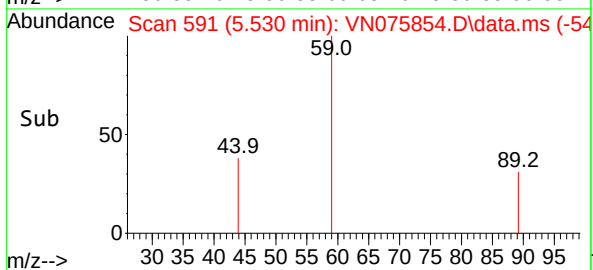
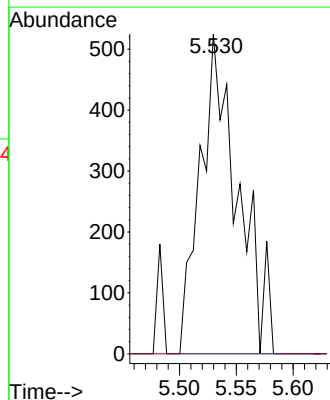
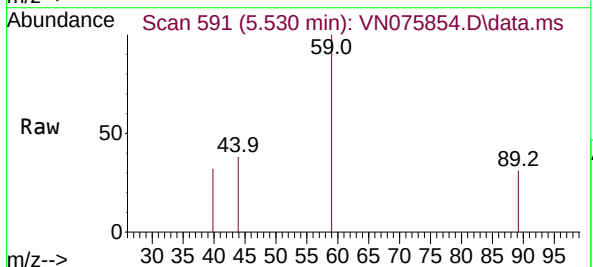
Instrument : MSVOA\_N  
ClientSampleId : COMP-SAMPLE-TANK-10-13-14-15-17

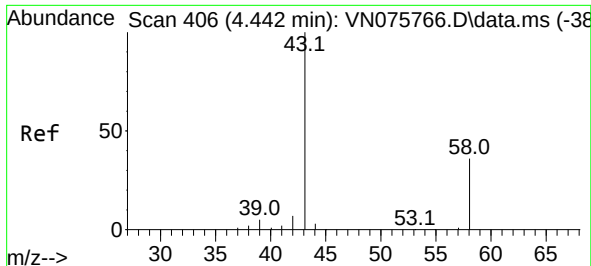
Tgt Ion:168 Resp: 365045  
Ion Ratio Lower Upper  
168 100  
99 54.0 44.2 66.4



#11  
Tert butyl alcohol  
Concen: 2.153 ug/l  
RT: 5.530 min Scan# 591  
Delta R.T. -0.006 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

Tgt Ion: 59 Resp: 1210  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

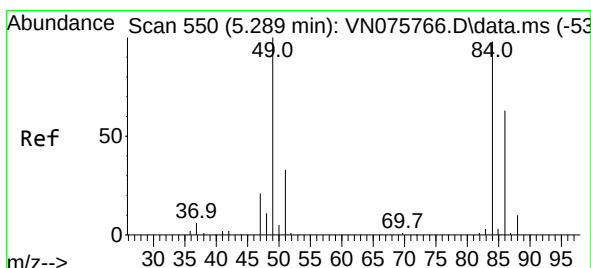
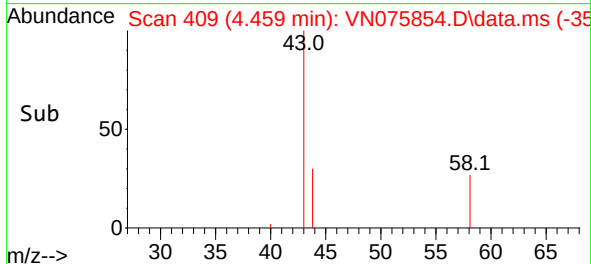
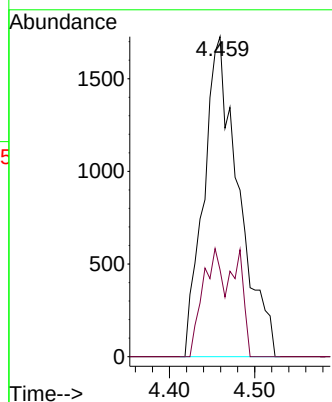
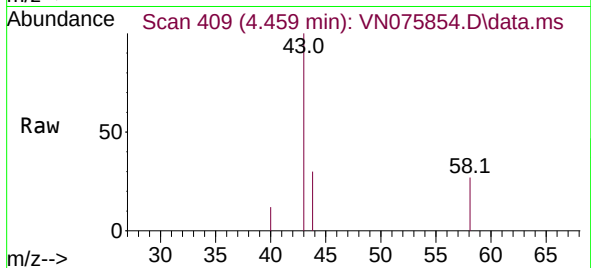




#16  
Acetone  
Concen: 3.576 ug/l  
RT: 4.459 min Scan# 406  
Delta R.T. 0.018 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

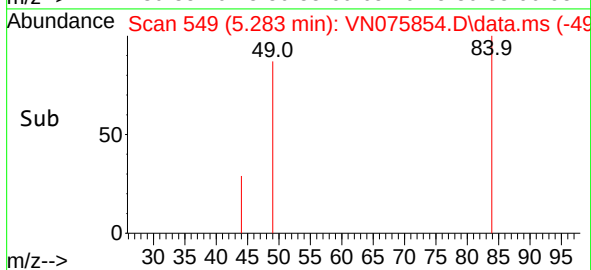
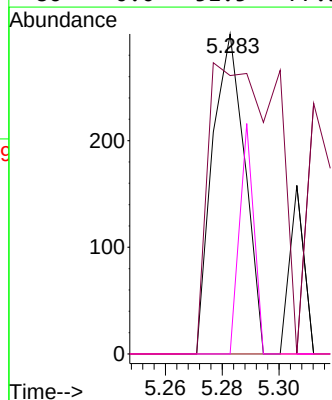
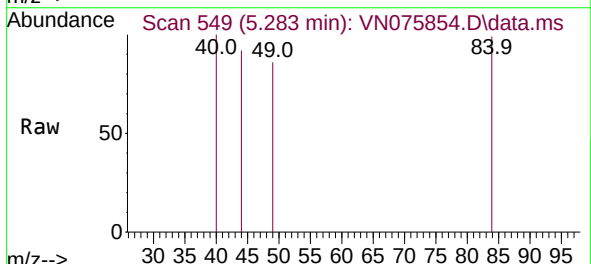
Instrument :  
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ClientSampleId :  
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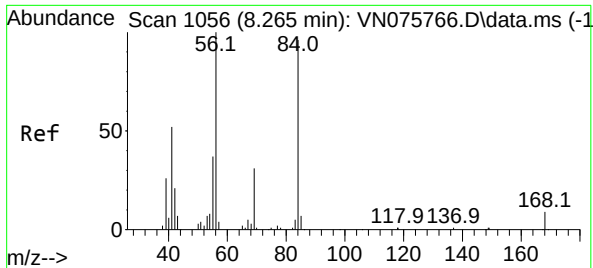
Tgt Ion: 43 Resp: 4895  
Ion Ratio Lower Upper  
43 100  
58 27.2 28.6 43.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.283 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

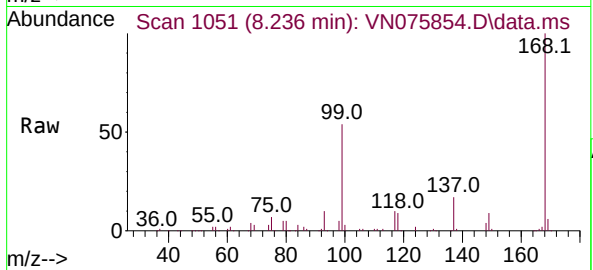
Tgt Ion: 84 Resp: 238  
Ion Ratio Lower Upper  
84 100  
49 87.0 81.8 122.6  
51 0.0 26.7 40.1#  
86 0.0 51.5 77.3#



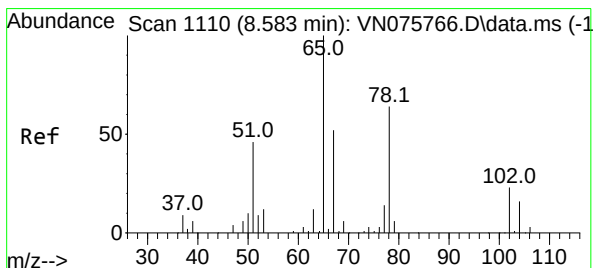
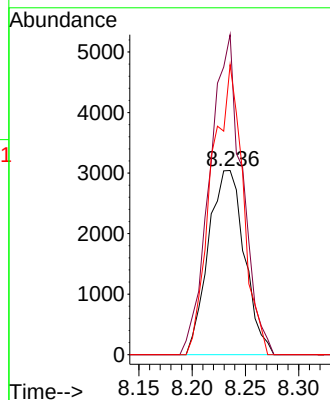
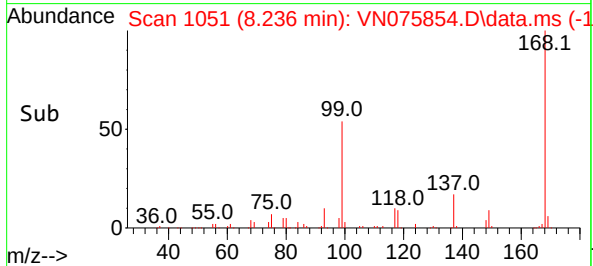


#31  
Cyclohexane  
Concen: 1.260 ug/l  
RT: 8.236 min Scan# 1056  
Delta R.T. -0.029 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

Instrument : MSVOA\_N  
ClientSampleId : COMP-SAMPLE-TANK-10-13-14-15-17

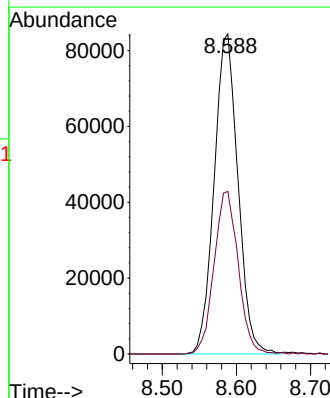
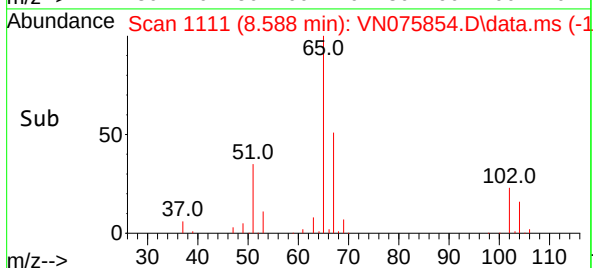
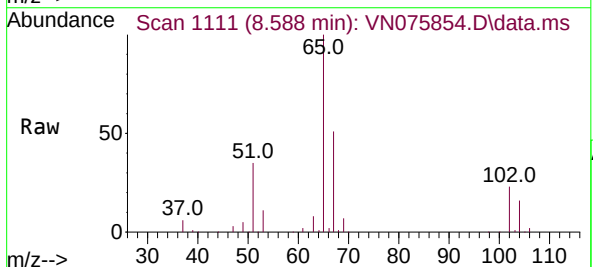


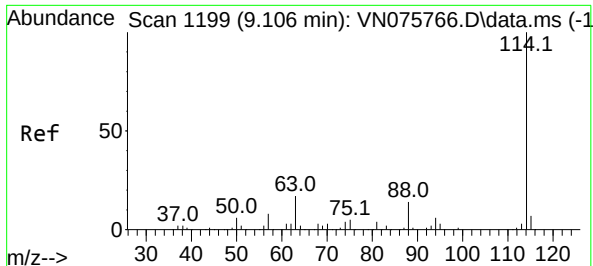
Tgt Ion: 56 Resp: 7167  
Ion Ratio Lower Upper  
56 100  
69 173.7 24.7 37.1#  
84 157.5 76.5 114.7#



#33  
1,2-Dichloroethane-d4  
Concen: 47.446 ug/l  
RT: 8.588 min Scan# 1111  
Delta R.T. 0.006 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

Tgt Ion: 65 Resp: 188424  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075854.D

Acq: 16 Dec 2022 17:50

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLE-TANK-10-13-14-15-17

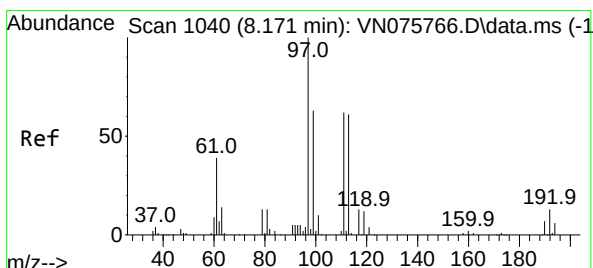
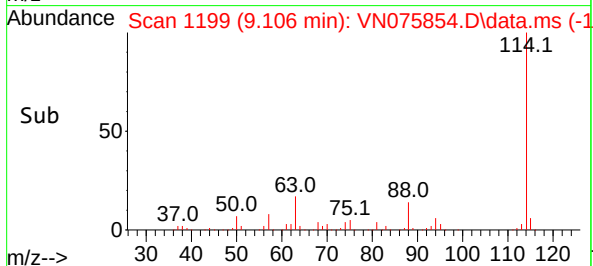
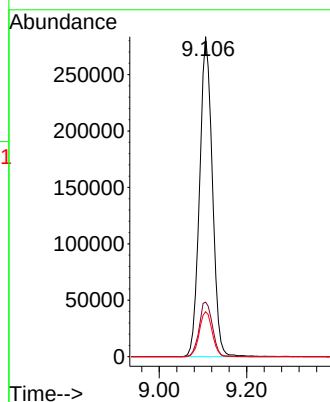
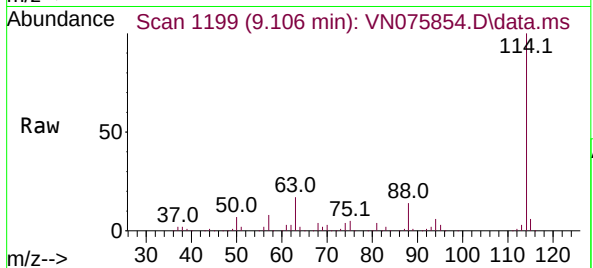
Tgt Ion:114 Resp: 576132

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.4

88 14.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.332 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075854.D

Acq: 16 Dec 2022 17:50

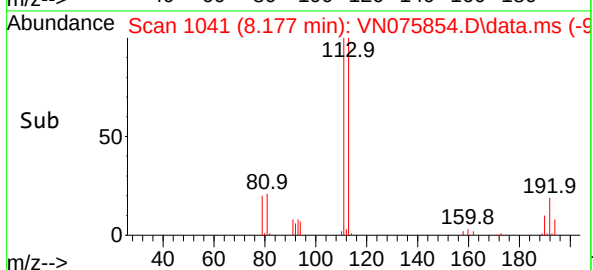
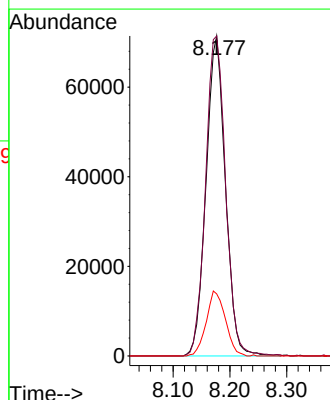
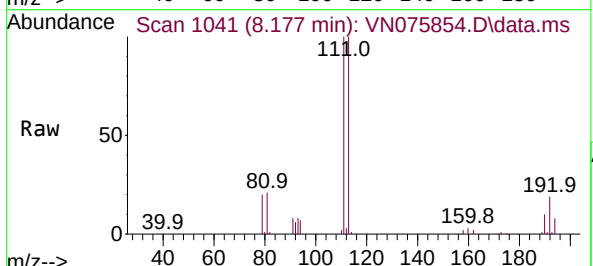
Tgt Ion:113 Resp: 168877

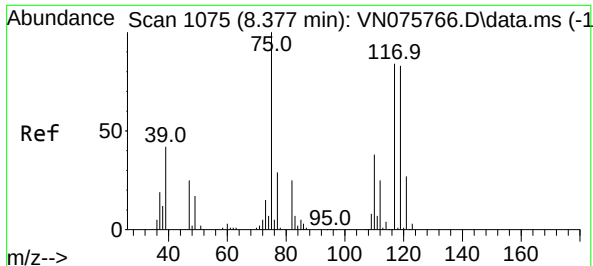
Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.2

192 20.0 16.1 24.1

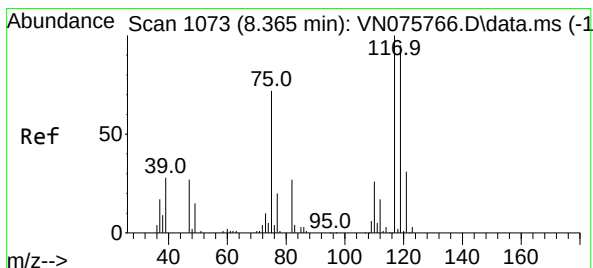
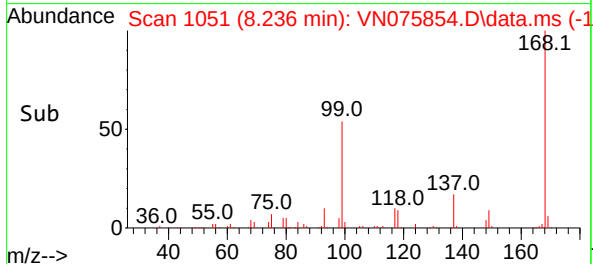
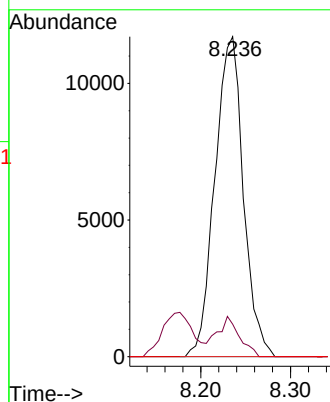
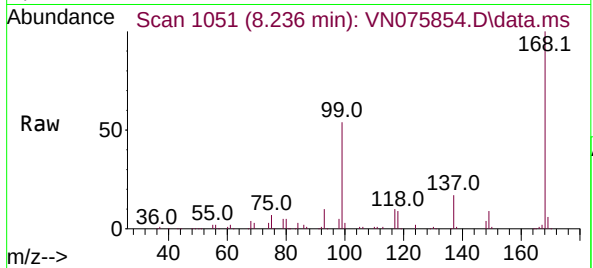




#36  
1,1-Dichloropropene  
Concen: 5.437 ug/l  
RT: 8.236 min Scan# 1051  
Delta R.T. -0.141 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

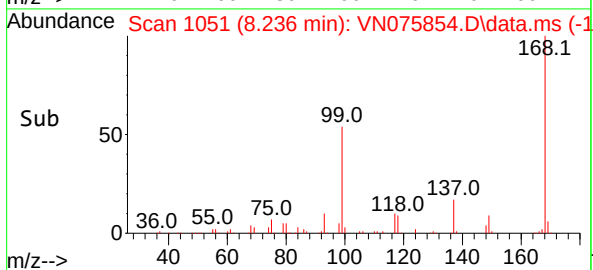
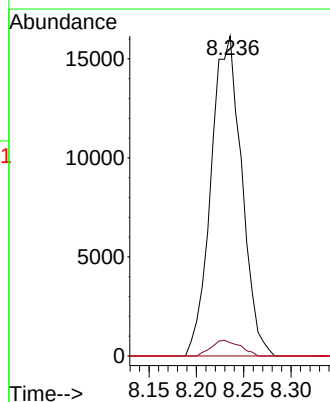
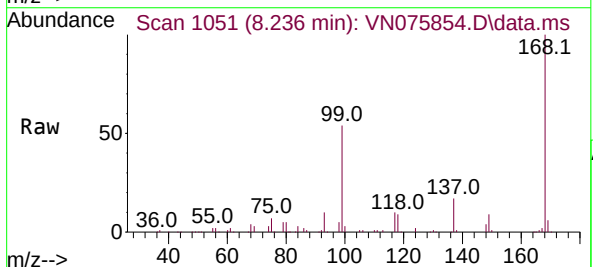
Instrument : MSVOA\_N  
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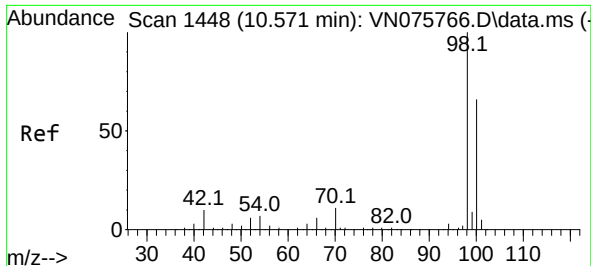
Tgt Ion: 75 Resp: 25767  
Ion Ratio Lower Upper  
75 100  
110 9.9 18.8 56.4#  
77 0.0 24.1 36.1#



#38  
Carbon Tetrachloride  
Concen: 6.845 ug/l  
RT: 8.236 min Scan# 1051  
Delta R.T. -0.129 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

Tgt Ion: 117 Resp: 36312  
Ion Ratio Lower Upper  
117 100  
119 4.1 76.1 114.1#  
121 0.0 24.5 36.7#

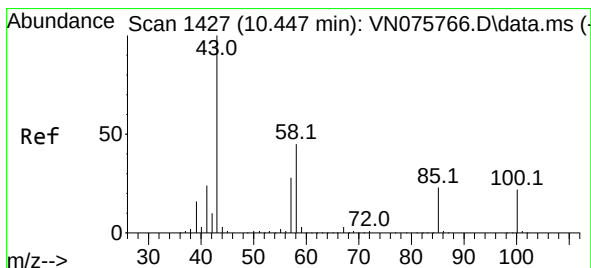
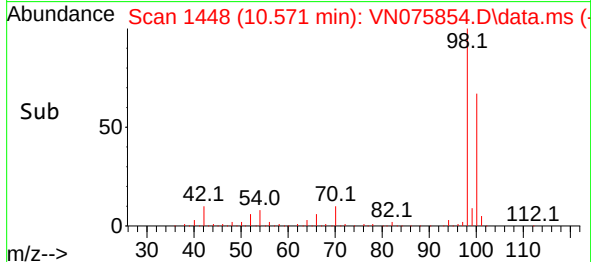
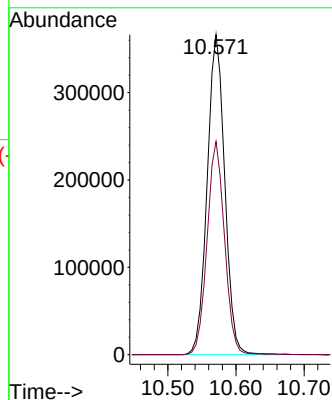
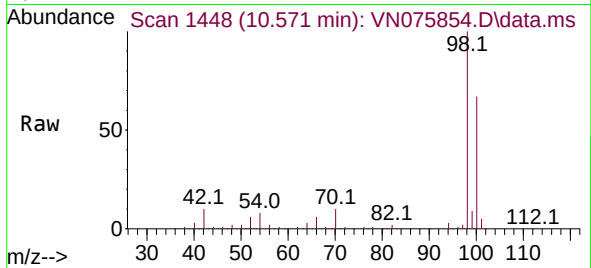




#50  
Toluene-d8  
Concen: 49.278 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

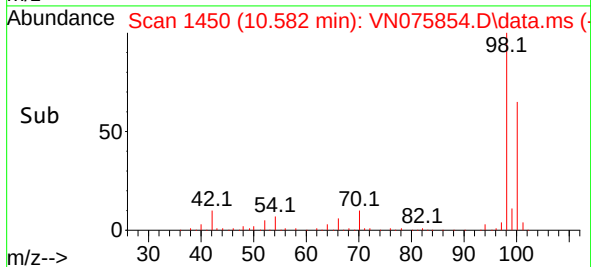
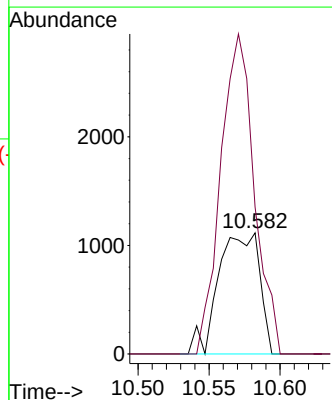
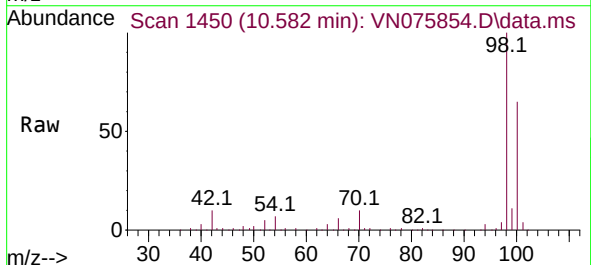
Instrument :  
MSVOA\_N  
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COMP-SAMPLE-TANK-10-13-14-15-17

Tgt Ion: 98 Resp: 657374  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.1 78.1

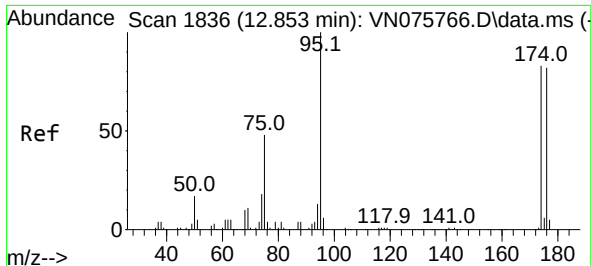


#51  
4-Methyl-2-Pentanone  
Concen: 0.590 ug/l  
RT: 10.582 min Scan# 1450  
Delta R.T. 0.135 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

Tgt Ion: 43 Resp: 2239  
Ion Ratio Lower Upper  
43 100  
58 217.1 35.5 53.3#



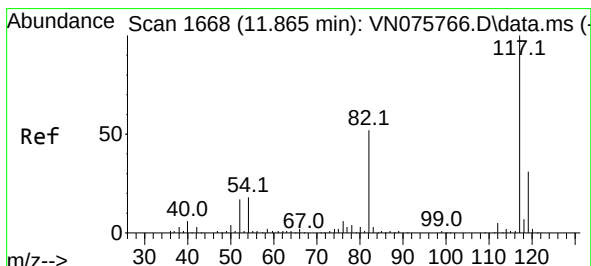
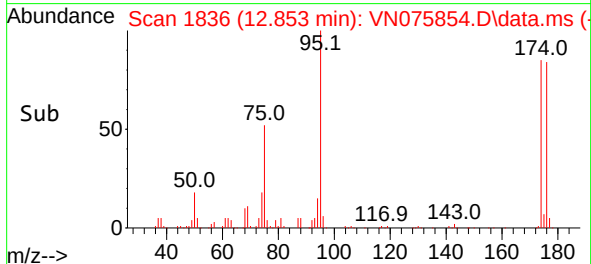
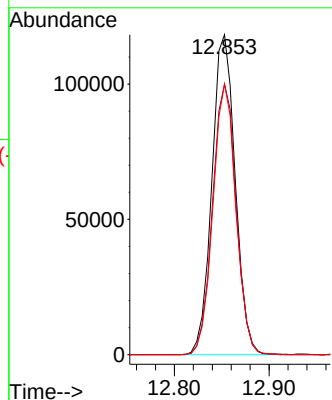
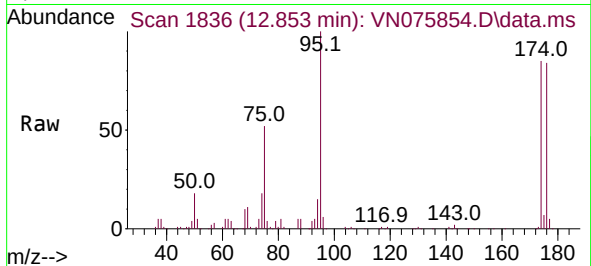




#62  
4-Bromofluorobenzene  
Concen: 45.687 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

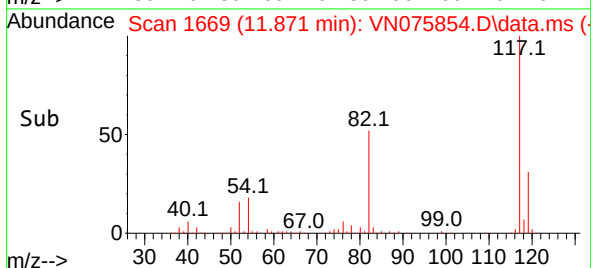
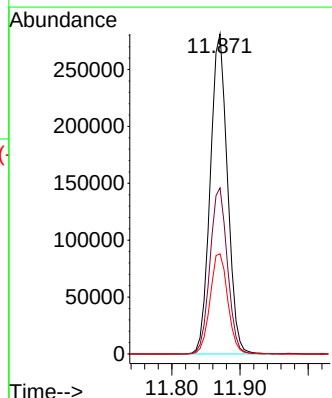
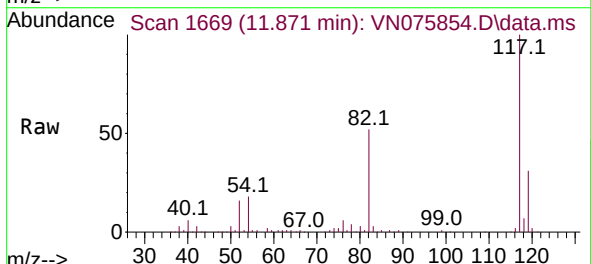
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-SAMPLE-TANK-10-13-14-15-17

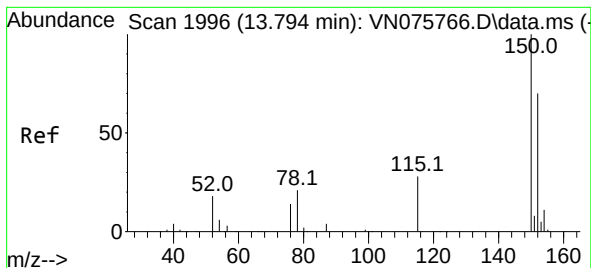
Tgt Ion: 95 Resp: 201860  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 171.6  
176 83.4 0.0 169.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

Tgt Ion: 117 Resp: 494952  
Ion Ratio Lower Upper  
117 100  
82 51.9 41.3 61.9  
119 31.3 24.6 37.0

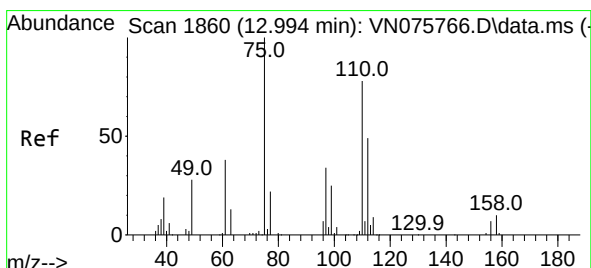
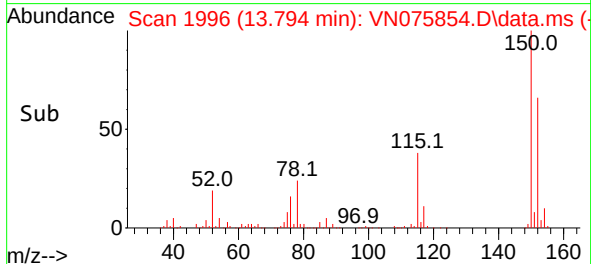
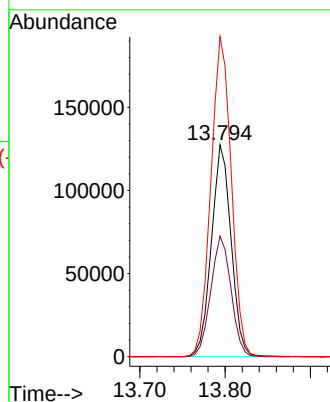
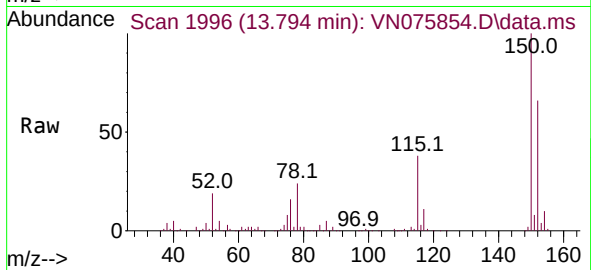




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 1996  
 Delta R.T. 0.000 min  
 Lab File: VN075854.D  
 Acq: 16 Dec 2022 17:50

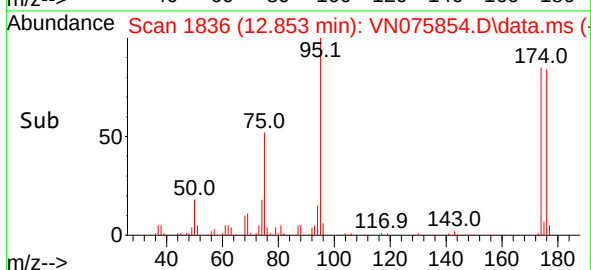
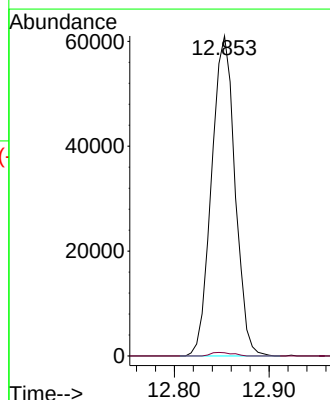
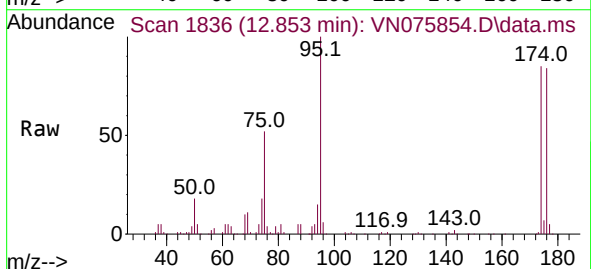
Instrument : MSVOA\_N  
 ClientSampleId : COMP-SAMPLE-TANK-10-13-14-15-17

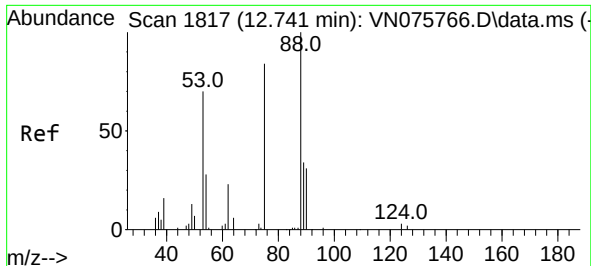
Tgt Ion:152 Resp: 204477  
 Ion Ratio Lower Upper  
 152 100  
 115 58.4 29.1 87.4  
 150 156.9 0.0 347.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.449 ug/l  
 RT: 12.853 min Scan# 1836  
 Delta R.T. -0.141 min  
 Lab File: VN075854.D  
 Acq: 16 Dec 2022 17:50

Tgt Ion: 75 Resp: 104894  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 82.6 247.8#

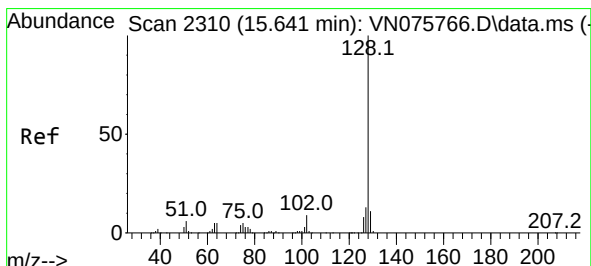
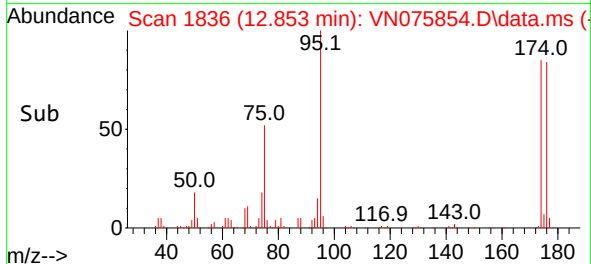
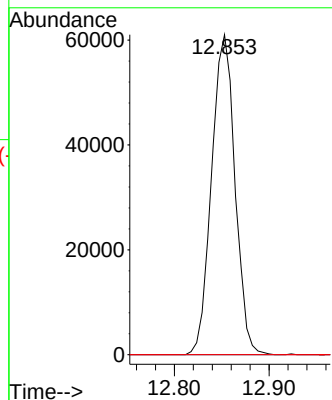
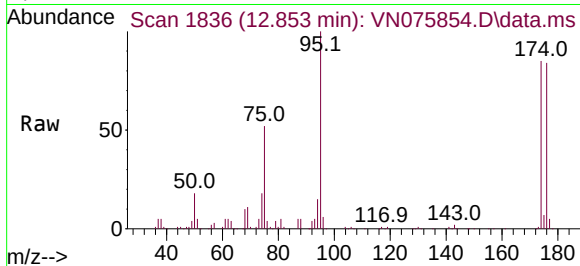




#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.603 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.112 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

Instrument : MSVOA\_N  
ClientSampleId : COMP-SAMPLE-TANK-10-13-14-15-17

Tgt Ion: 75 Resp: 104894  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.8 110.6#  
89 0.0 39.5 59.3#



#95  
Naphthalene  
Concen: 2.242 ug/l  
RT: 15.635 min Scan# 2309  
Delta R.T. -0.006 min  
Lab File: VN075854.D  
Acq: 16 Dec 2022 17:50

Tgt Ion:128 Resp: 755  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.4 15.6#  
129 0.0 8.7 13.1#

