

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052523\  
 Data File : VX035869.D  
 Acq On : 25 May 2023 21:24  
 Operator : JC/MD  
 Sample : 02911-15RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW9-MW01D2-20230522

Quant Time: May 26 07:26:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.556  | 168  | 199243   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 350925   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 313664   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 149618   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 150729   | 43.364   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 86.720%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 114310   | 48.301   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 96.600%  |
| 50) Toluene-d8              | 8.647  | 98    | 390246   | 44.636   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 89.280%# |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 157024   | 44.606   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 89.220%  |

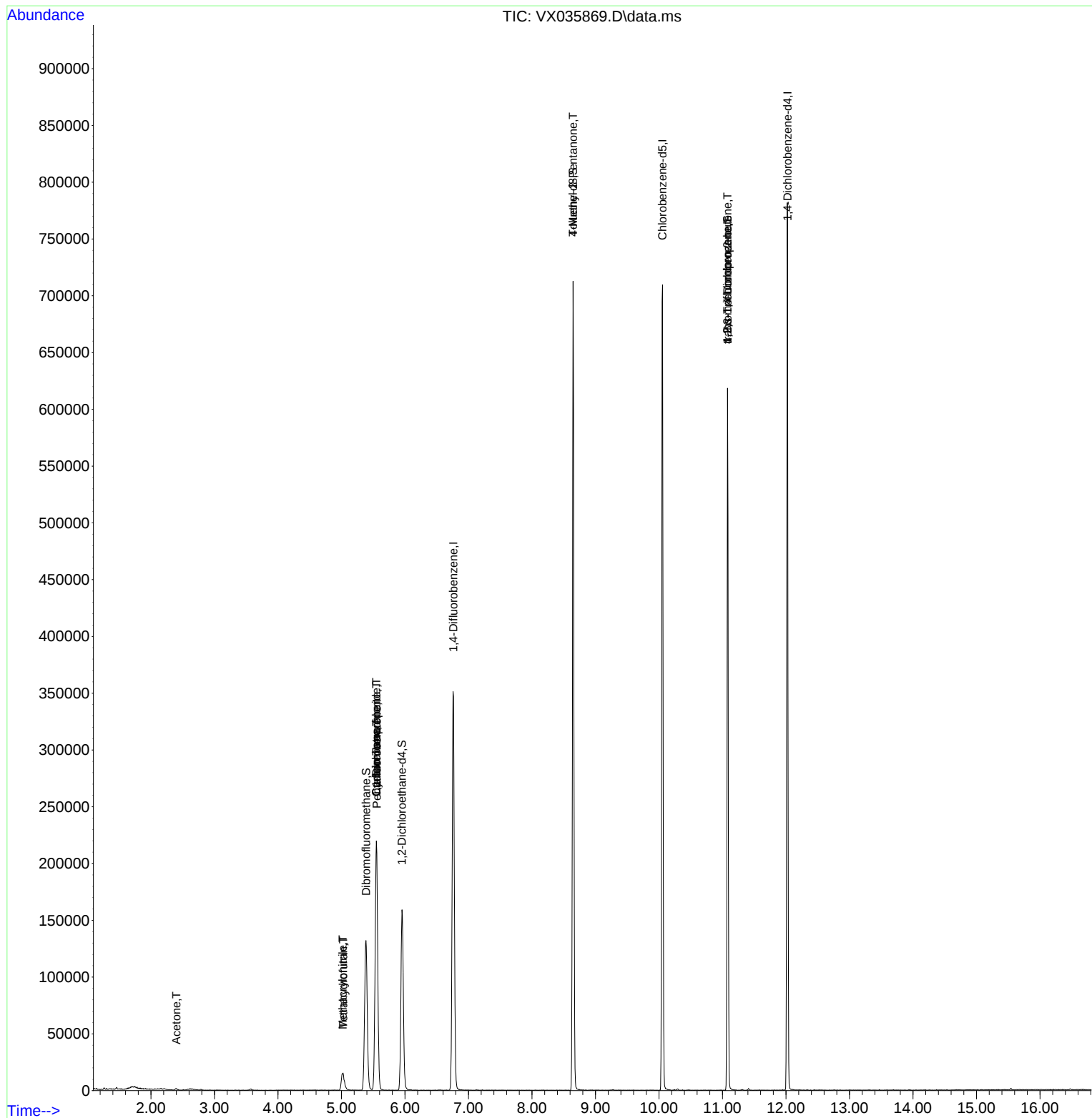
| Target Compounds              |        |     |       |        | Qvalue |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| 16) Acetone                   | 2.398  | 43  | 1874  | 1.254  | ug/l # | 86 |
| 29) Tetrahydrofuran           | 5.026  | 42  | 15544 | 11.958 | ug/l   | 97 |
| 31) Cyclohexane               | 5.550  | 56  | 5345  | 1.217  | ug/l # | 43 |
| 36) 1,1-Dichloropropene       | 5.550  | 75  | 17004 | 4.552  | ug/l # | 51 |
| 38) Carbon Tetrachloride      | 5.550  | 117 | 21061 | 5.952  | ug/l # | 17 |
| 41) Methacrylonitrile         | 5.019  | 41  | 9493  | 4.103  | ug/l # | 48 |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43  | 2037  | 0.520  | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 83035 | 22.689 | ug/l # | 34 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 83035 | 73.123 | ug/l # | 8  |

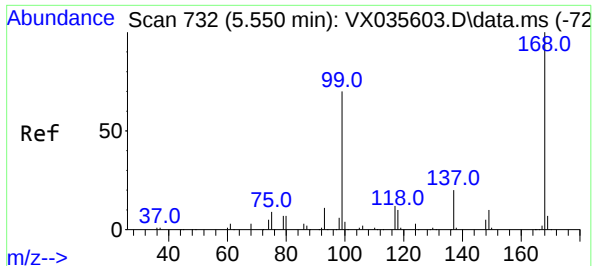
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RW9-MW01D2-20230522

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 11 13:57:54 2023  
Response via : Initial Calibration

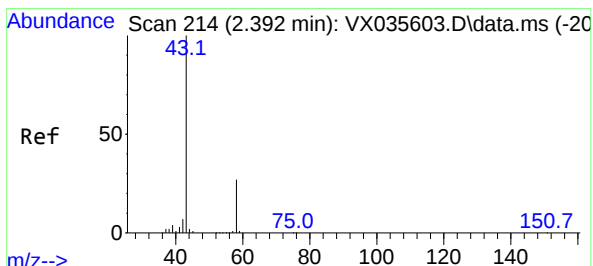
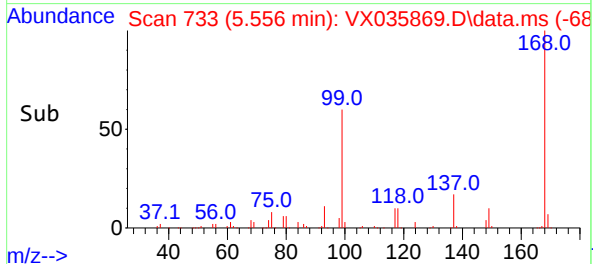
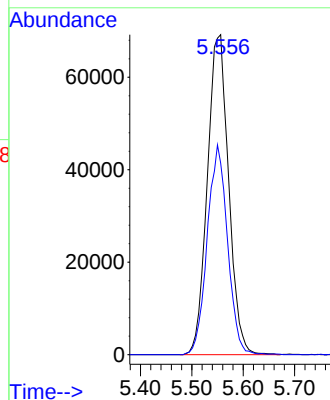
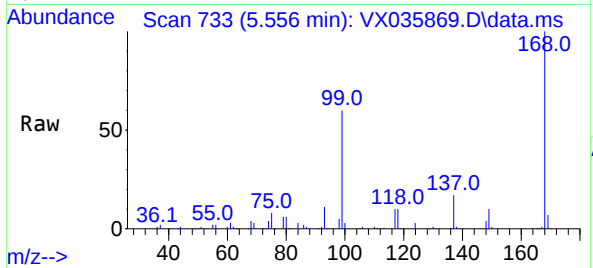




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

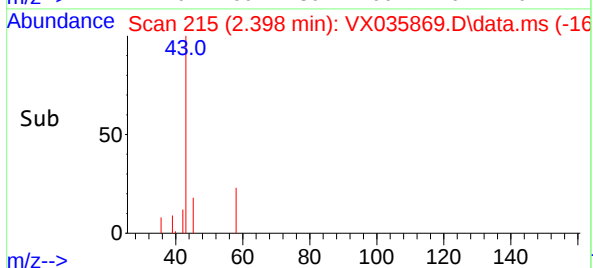
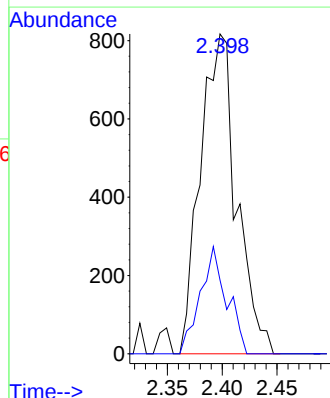
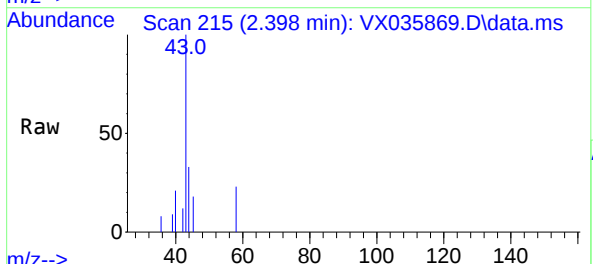
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW9-MW01D2-20230522

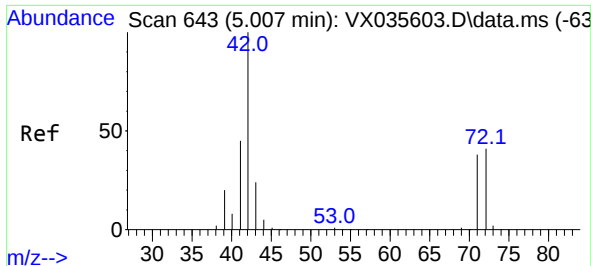
Tgt Ion:168 Resp: 199243  
Ion Ratio Lower Upper  
168 100  
99 59.8 45.7 68.5



#16  
Acetone  
Concen: 1.254 ug/l  
RT: 2.398 min Scan# 215  
Delta R.T. 0.006 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

Tgt Ion: 43 Resp: 1874  
Ion Ratio Lower Upper  
43 100  
58 23.0 24.7 37.1#





#29

Tetrahydrofuran

Concen: 11.958 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX035869.D

Acq: 25 May 2023 21:24

Instrument :

MSVOA\_X

ClientSampleId :

RW9-MW01D2-20230522

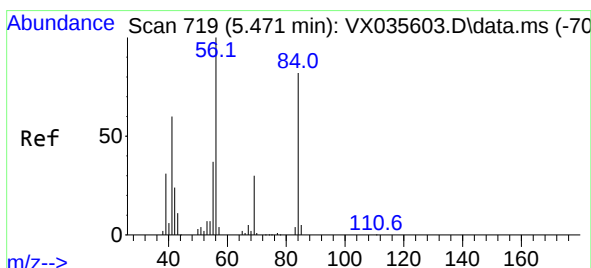
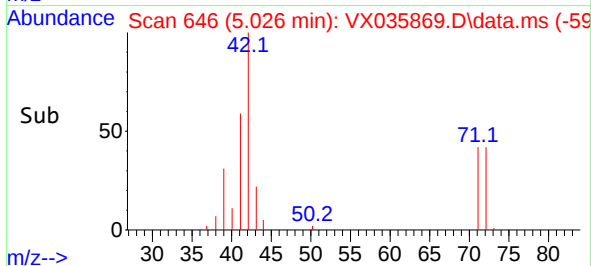
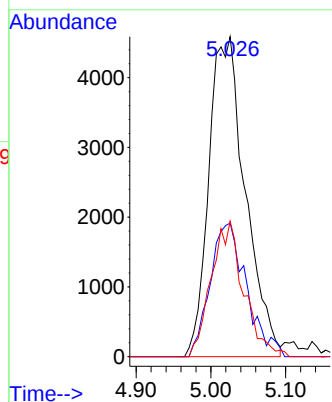
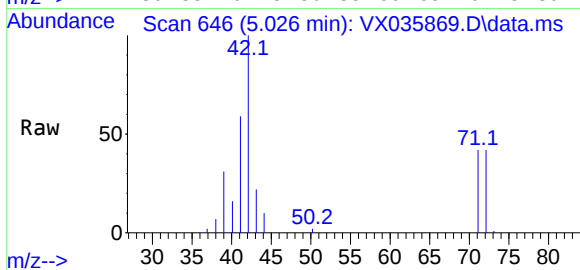
Tgt Ion: 42 Resp: 15544

Ion Ratio Lower Upper

42 100

72 41.5 34.5 51.7

71 37.7 32.1 48.1



#31

Cyclohexane

Concen: 1.217 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX035869.D

Acq: 25 May 2023 21:24

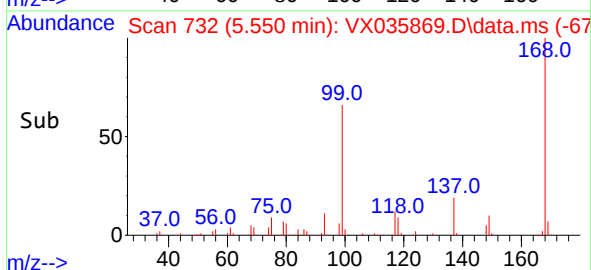
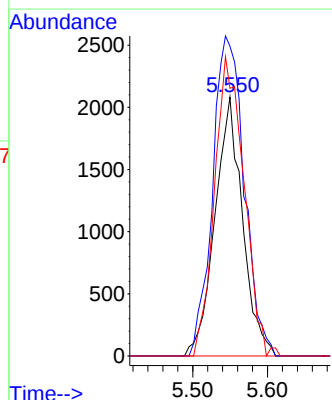
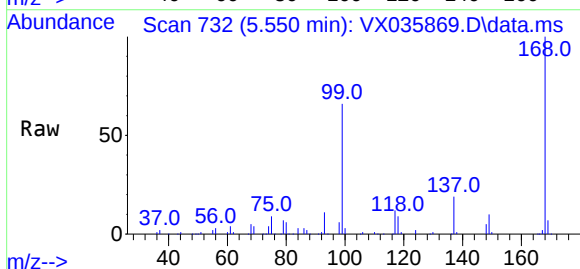
Tgt Ion: 56 Resp: 5345

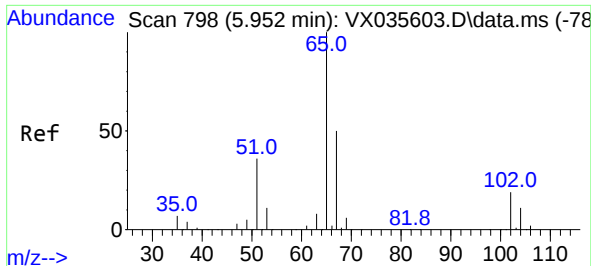
Ion Ratio Lower Upper

56 100

69 119.7 23.7 35.5#

84 103.4 68.5 102.7#

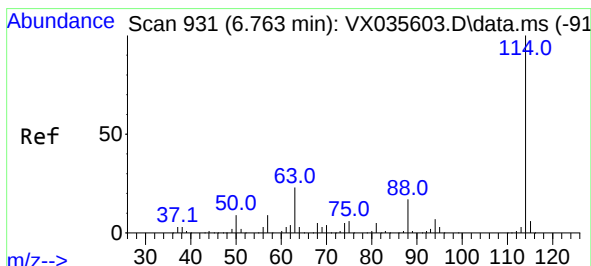
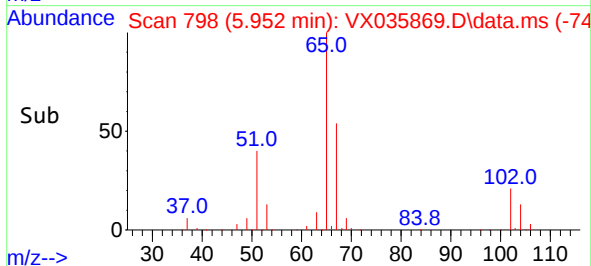
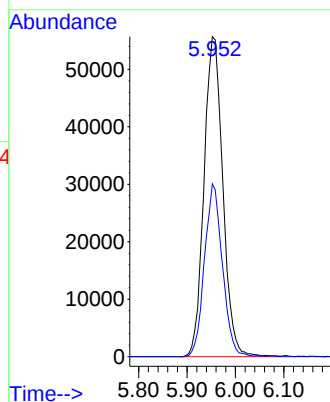
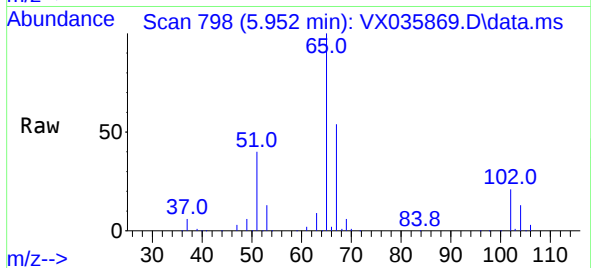




#33  
1,2-Dichloroethane-d4  
Concen: 43.364 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

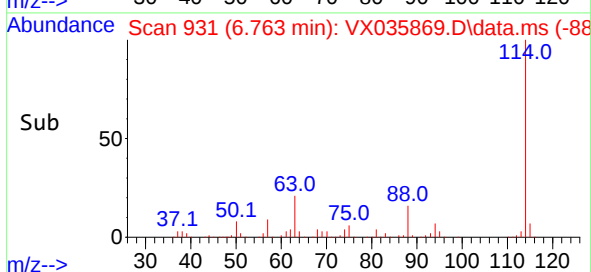
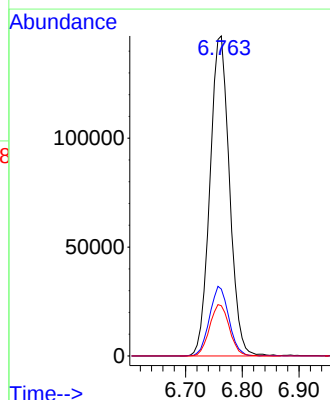
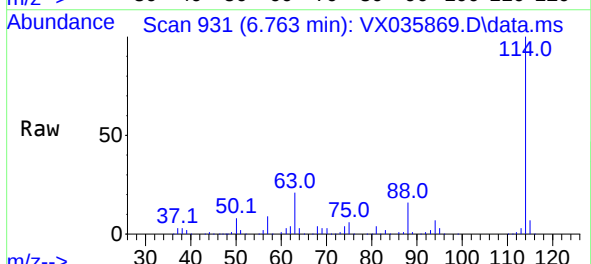
Instrument :  
MSVOA\_X  
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RW9-MW01D2-20230522

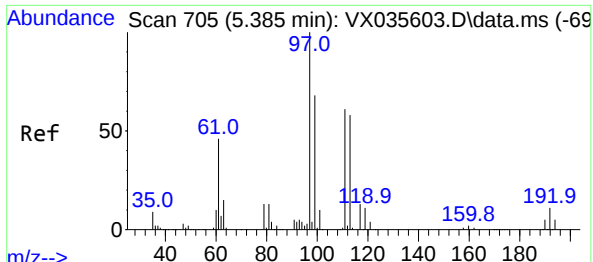
Tgt Ion: 65 Resp: 150729  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 104.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

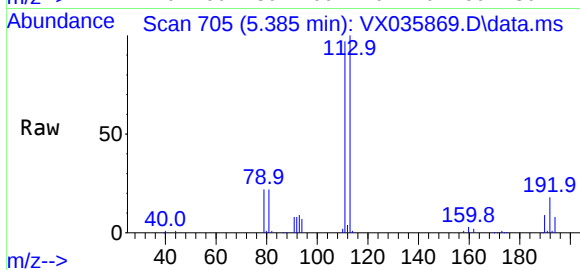
Tgt Ion: 114 Resp: 350925  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 42.2  
88 15.7 0.0 33.2



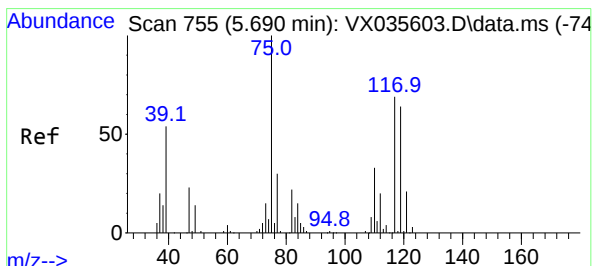
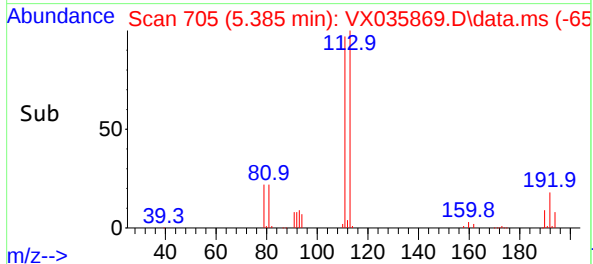
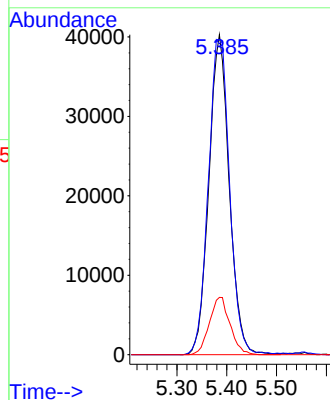


#35  
Dibromofluoromethane  
Concen: 48.301 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW9-MW01D2-20230522

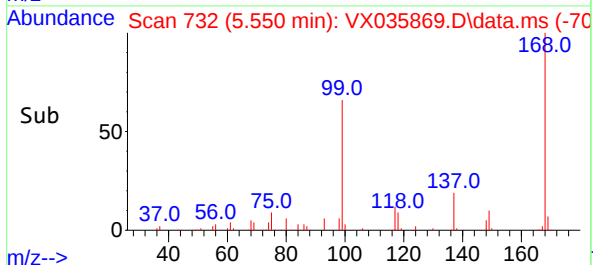
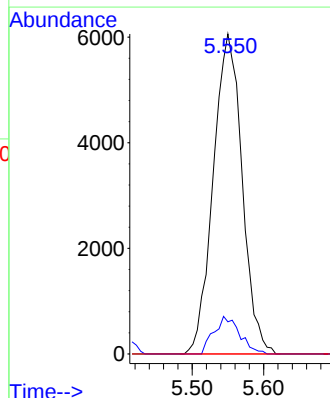
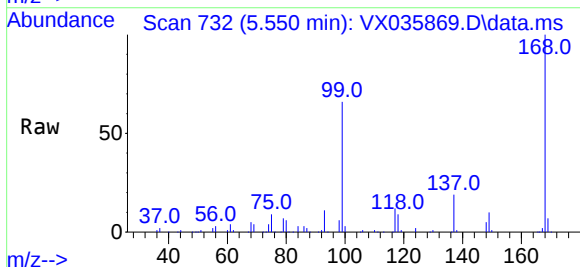


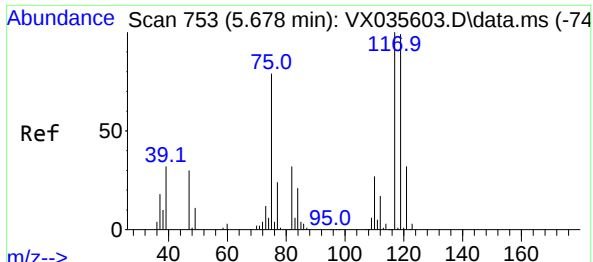
Tgt Ion:113 Resp: 114310  
Ion Ratio Lower Upper  
113 100  
111 103.2 83.7 125.5  
192 18.1 15.4 23.2



#36  
1,1-Dichloropropene  
Concen: 4.552 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

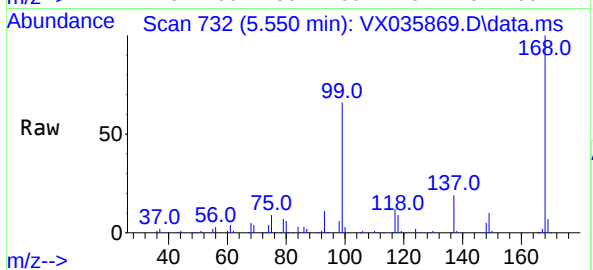
Tgt Ion: 75 Resp: 17004  
Ion Ratio Lower Upper  
75 100  
110 10.5 17.5 52.5#  
77 0.0 24.3 36.5#



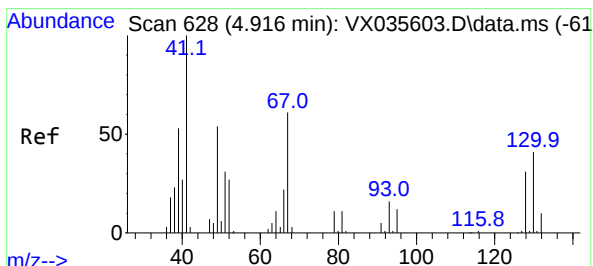
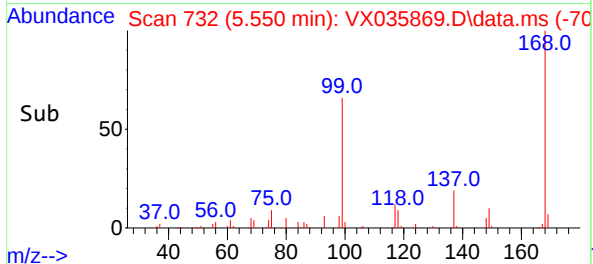
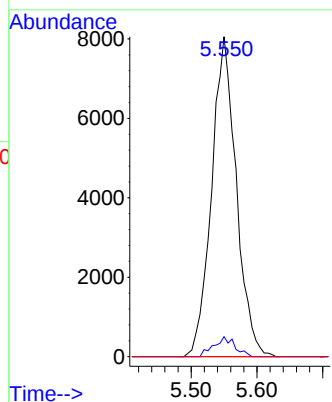


#38  
Carbon Tetrachloride  
Concen: 5.952 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW9-MW01D2-20230522

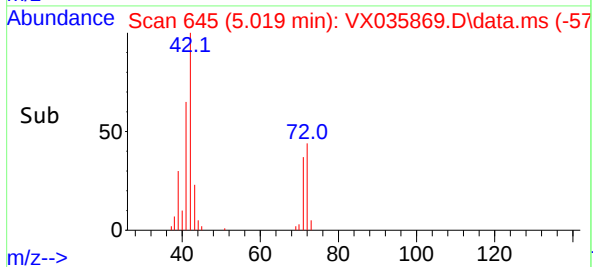
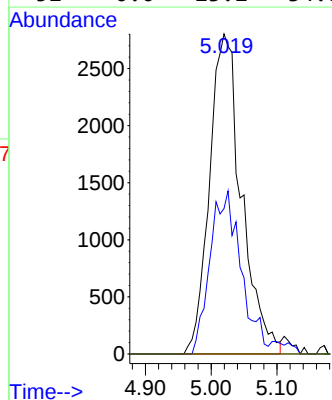
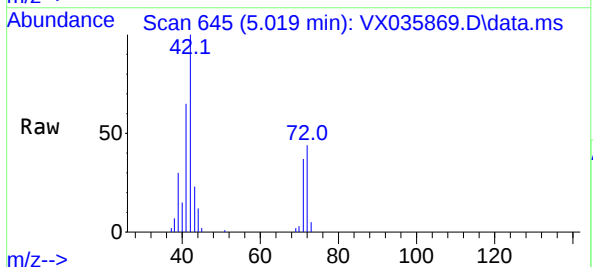


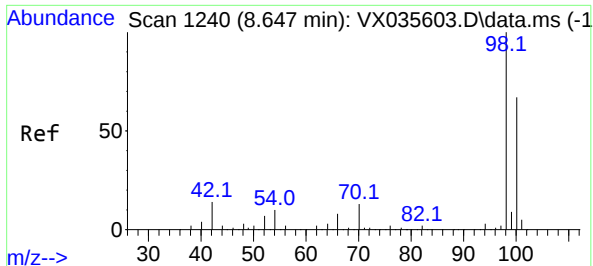
Tgt Ion:117 Resp: 21061  
Ion Ratio Lower Upper  
117 100  
119 6.2 76.6 114.8#  
121 0.0 23.8 35.6#



#41  
Methacrylonitrile  
Concen: 4.103 ug/l  
RT: 5.019 min Scan# 645  
Delta R.T. 0.103 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

Tgt Ion: 41 Resp: 9493  
Ion Ratio Lower Upper  
41 100  
39 49.2 45.0 67.6  
67 0.0 55.6 83.4#  
52 0.0 23.2 34.8#

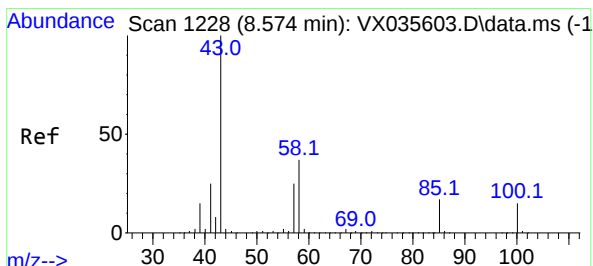
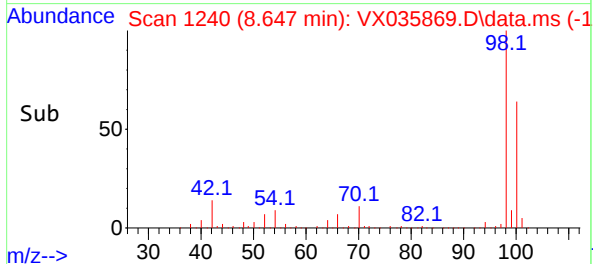
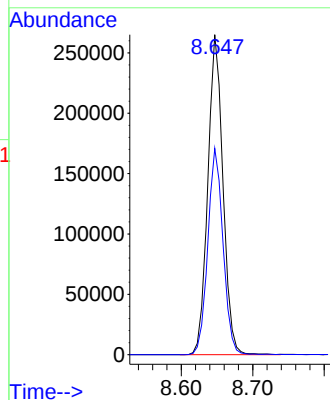
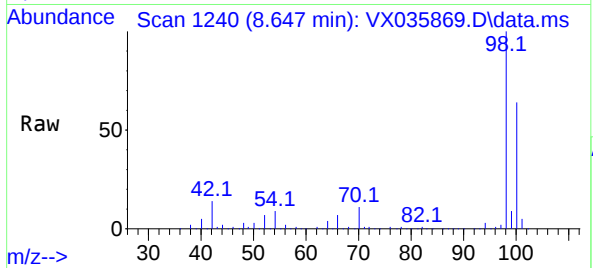




#50  
Toluene-d8  
Concen: 44.636 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

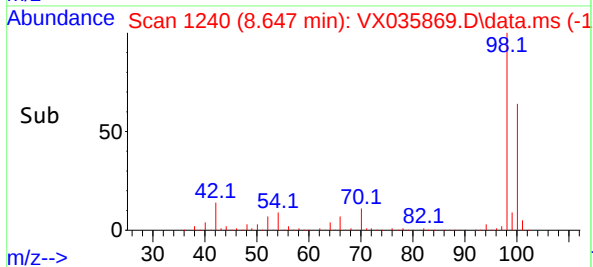
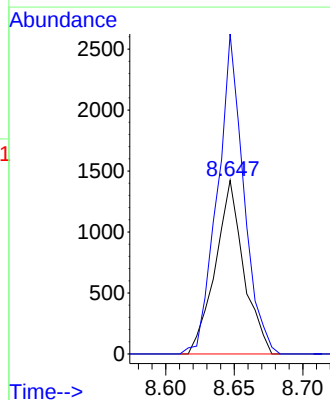
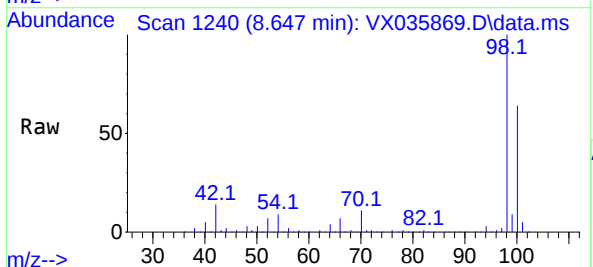
Instrument :  
MSVOA\_X  
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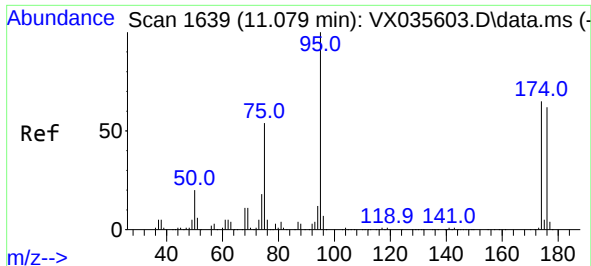
Tgt Ion: 98 Resp: 390246  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.5 78.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.520 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

Tgt Ion: 43 Resp: 2037  
Ion Ratio Lower Upper  
43 100  
58 171.3 30.6 46.0#

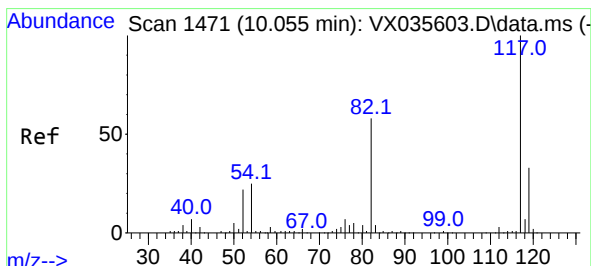
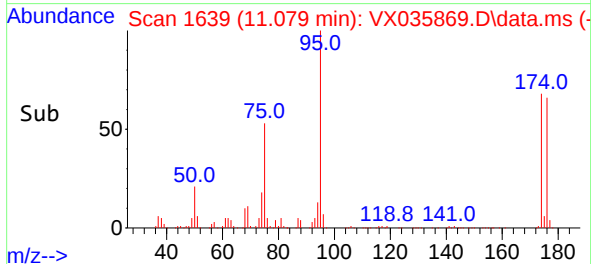
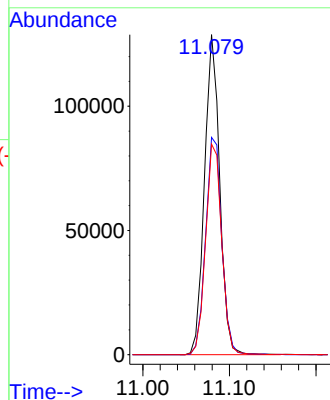
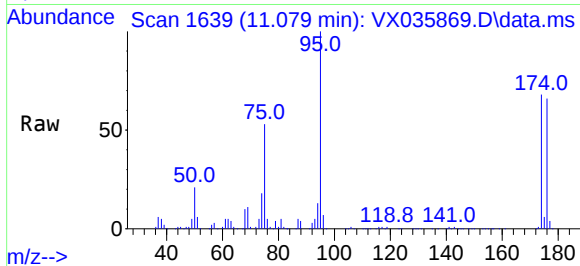




#62  
4-Bromofluorobenzene  
Concen: 44.606 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

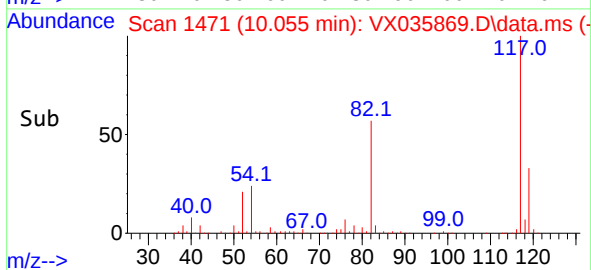
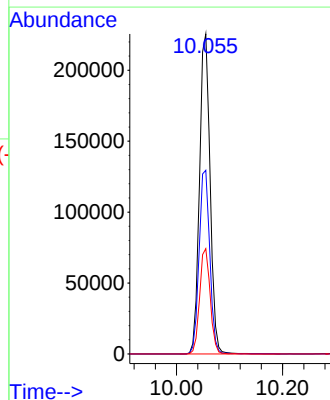
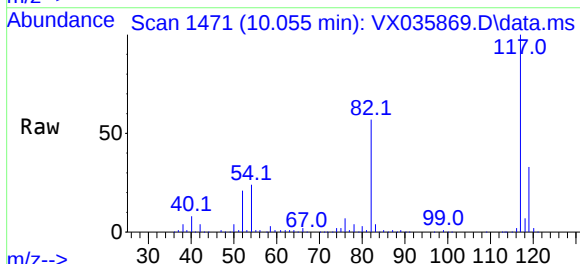
Instrument :  
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ClientSampleId :  
RW9-MW01D2-20230522

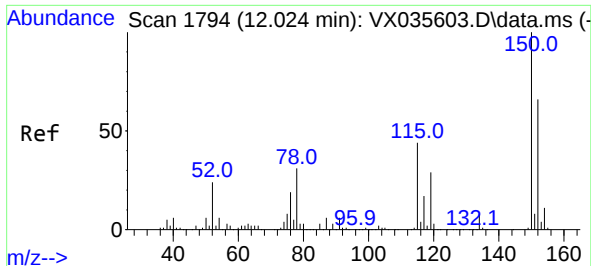
Tgt Ion: 95 Resp: 157024  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 147.4  
176 69.7 0.0 140.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

Tgt Ion: 117 Resp: 313664  
Ion Ratio Lower Upper  
117 100  
82 57.4 45.0 67.4  
119 32.9 26.0 39.0

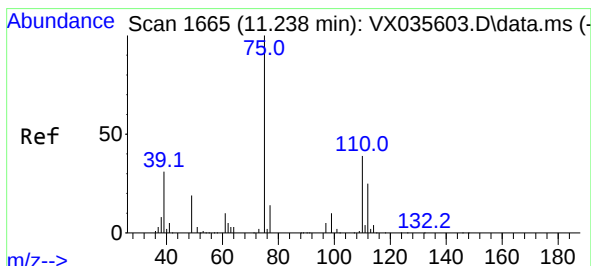
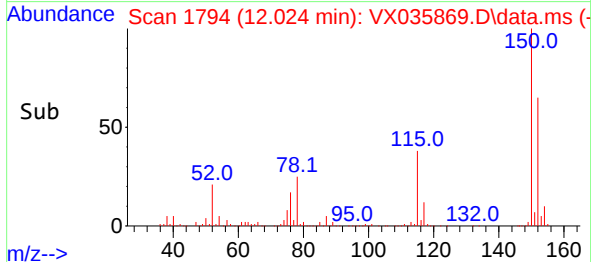
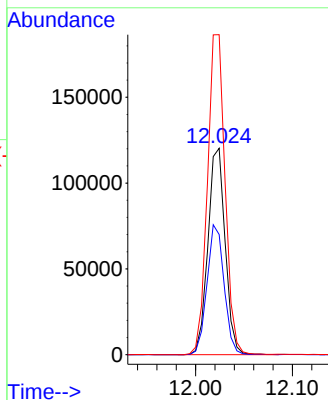
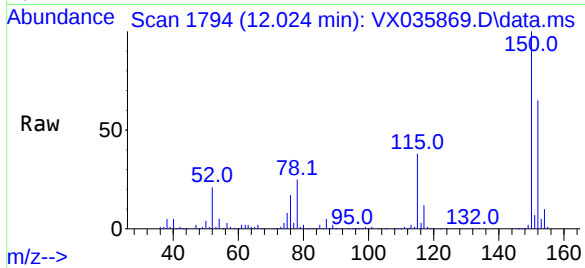




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

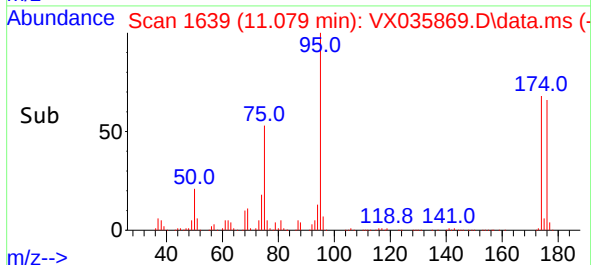
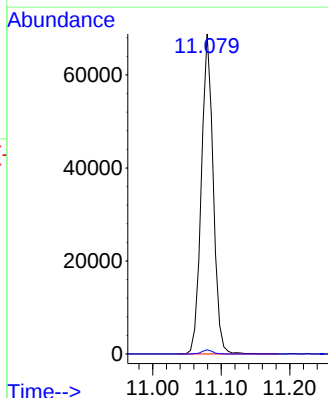
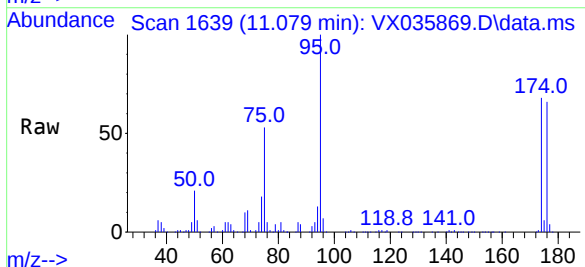
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW9-MW01D2-20230522

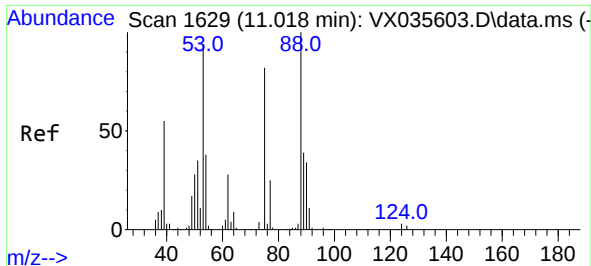
Tgt Ion:152 Resp: 149618  
Ion Ratio Lower Upper  
152 100  
115 62.3 45.0 135.0  
150 158.4 0.0 352.4



#76  
1,2,3-Trichloropropane  
Concen: 22.689 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX035869.D  
Acq: 25 May 2023 21:24

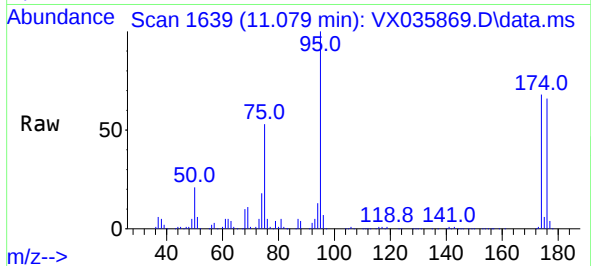
Tgt Ion: 75 Resp: 83035  
Ion Ratio Lower Upper  
75 100  
77 1.2 21.6 64.8#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 73.123 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX035869.D  
 Acq: 25 May 2023 21:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW9-MW01D2-20230522



Tgt Ion: 75 Resp: 83035  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 82.6 124.0#  
 89 0.0 36.9 55.3#

