

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051322\  
 Data File : VX028681.D  
 Acq On : 13 May 2022 16:30  
 Operator : JC/MD  
 Sample : N2794-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW9-MW01D3-20220510

Quant Time: May 16 02:22:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

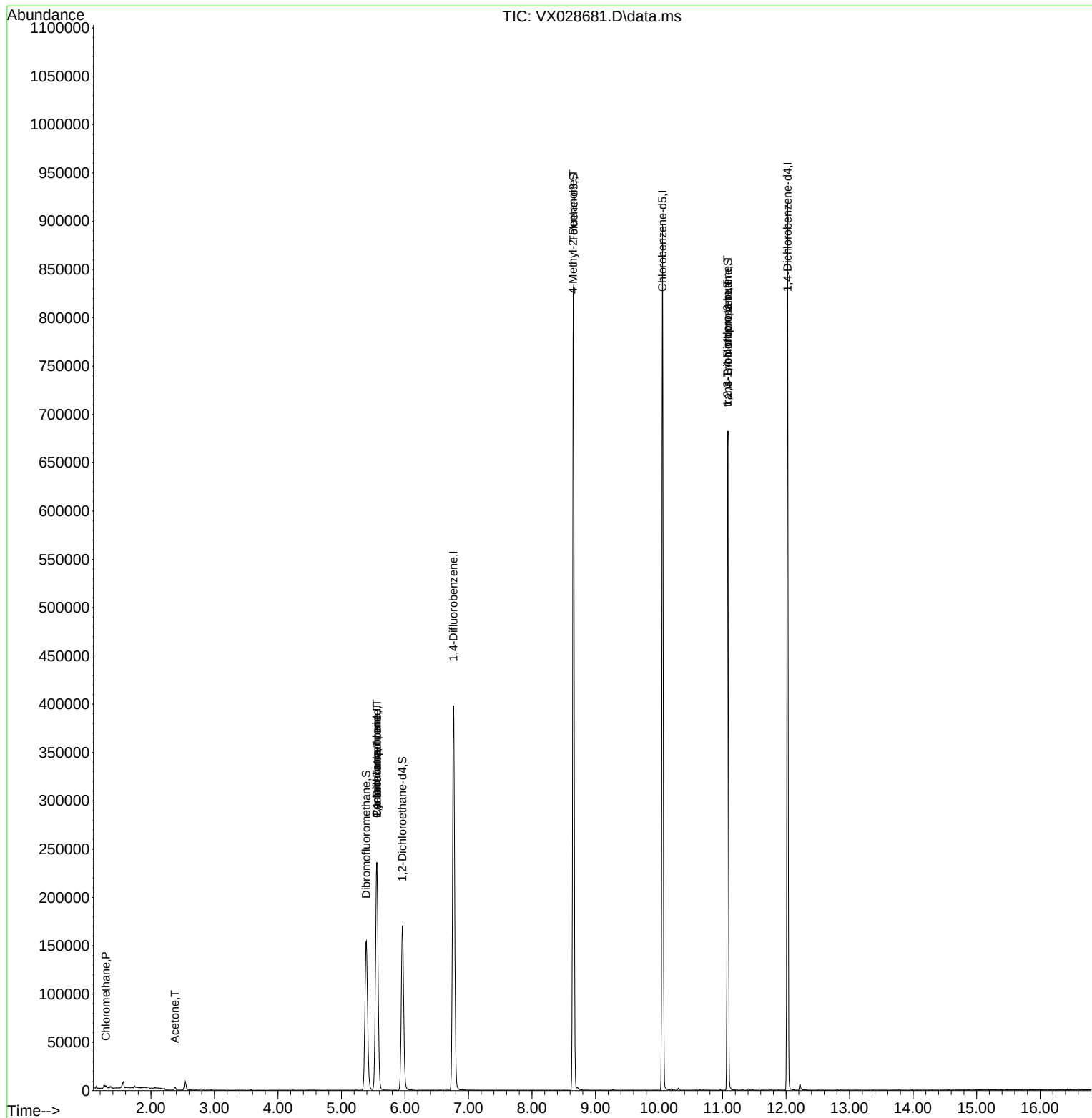
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 213239   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 402530   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 380833   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 172751   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 160996   | 55.079    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | = 110.160% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 134369   | 50.949    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | = 101.900% |          |
| 50) Toluene-d8                | 8.653  | 98    | 488685   | 49.148    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | = 98.300%  |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 178928   | 48.179    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | = 96.360%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 1.288  | 50    | 731      | 0.278     | ug/l       | 93       |
| 5) Bromomethane               | 1.611  | 94    | 586      | Below Cal |            | 97       |
| 6) Chloroethane               | 1.666  | 64    | 656      | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 2.953  | 59    | 165      | Below Cal | #          | 72       |
| 16) Acetone                   | 2.380  | 43    | 3381     | 2.695     | ug/l       | 90       |
| 31) Cyclohexane               | 5.556  | 56    | 5254     | 1.295     | ug/l #     | 16       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 18608    | 4.698     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 22565    | 5.660     | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 2258     | 0.530     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 97608    | 24.127    | ug/l #     | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 97608    | 70.274    | ug/l #     | 15       |
| -----                         |        |       |          |           |            |          |

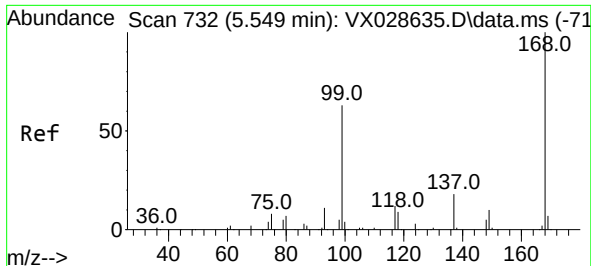
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N2794-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW9-MW01D3-20220510

Quant Time: May 16 02:22:33 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 2022  
Response via : Initial Calibration

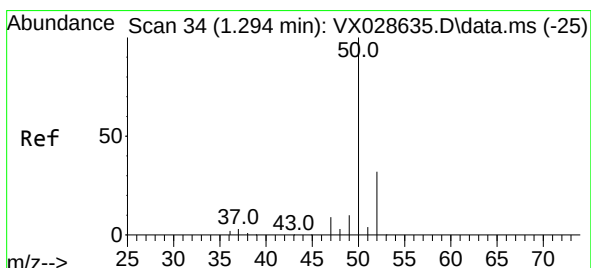
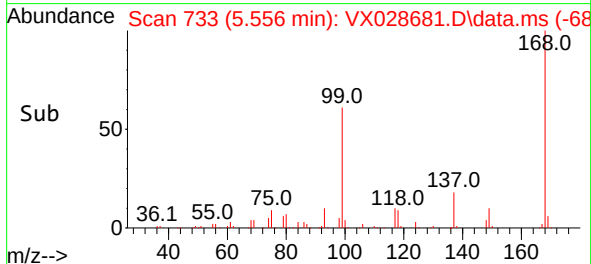
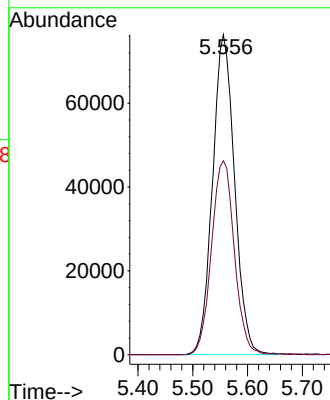
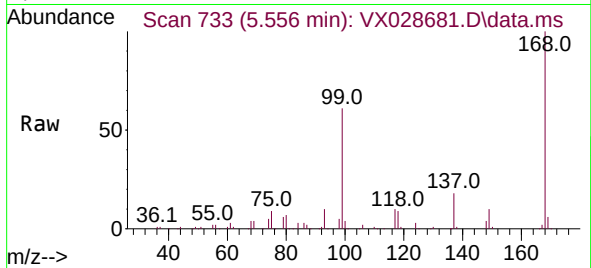




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

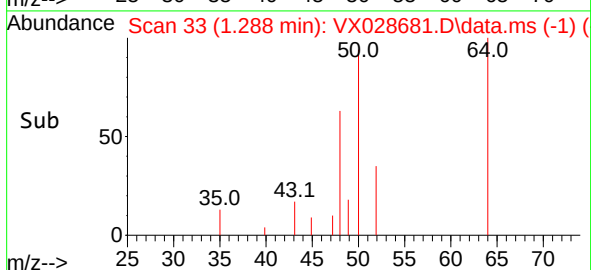
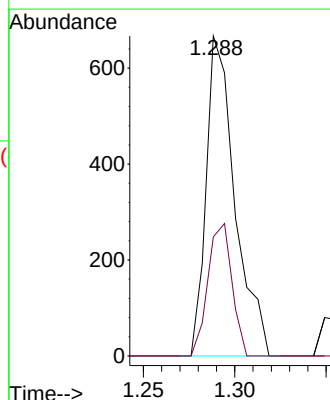
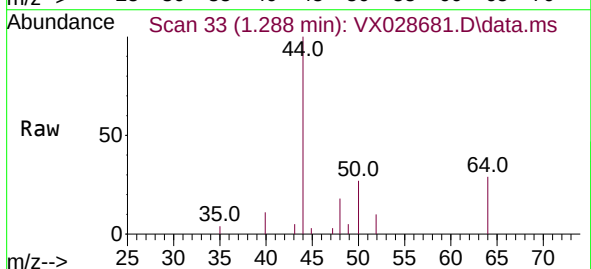
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW9-MW01D3-20220510

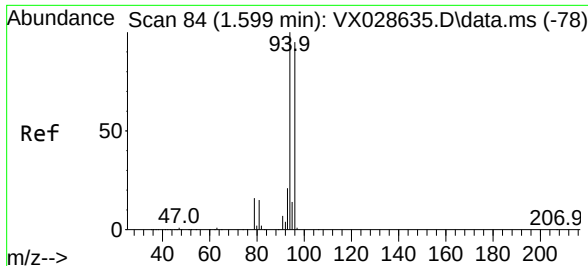
Tgt Ion:168 Resp: 213239  
Ion Ratio Lower Upper  
168 100  
99 60.6 41.7 62.5



#3  
Chloromethane  
Concen: 0.278 ug/l  
RT: 1.288 min Scan# 33  
Delta R.T. -0.006 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

Tgt Ion: 50 Resp: 731  
Ion Ratio Lower Upper  
50 100  
52 37.2 26.4 39.6

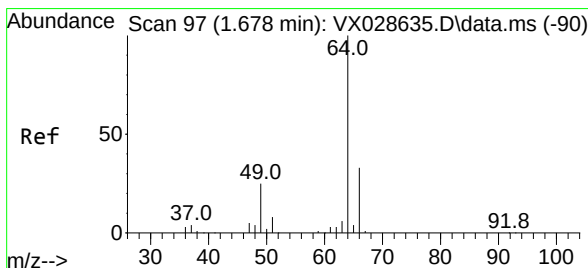
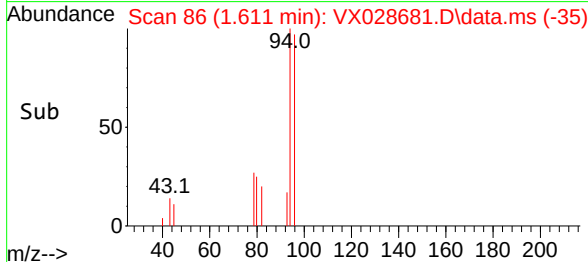
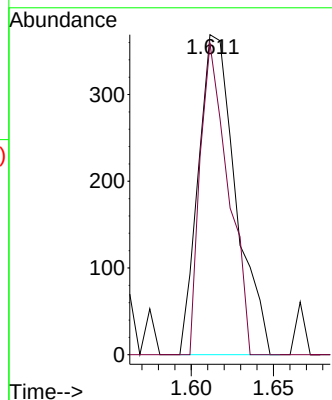
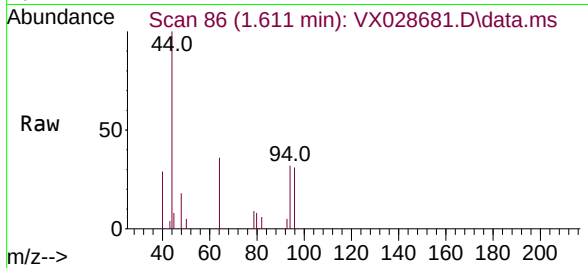




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.611 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

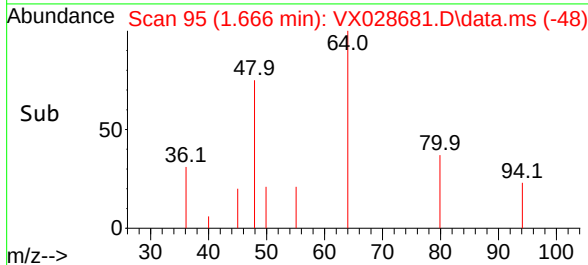
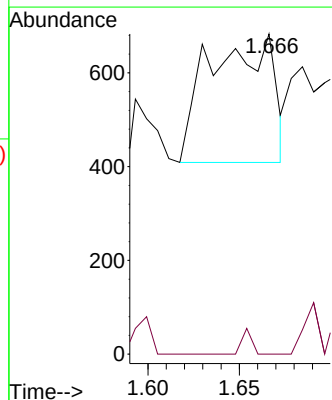
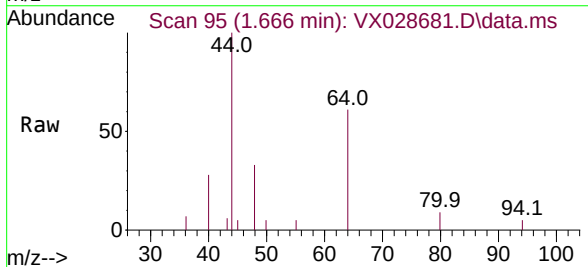
Instrument :  
MSVOA\_X  
ClientSampleId :  
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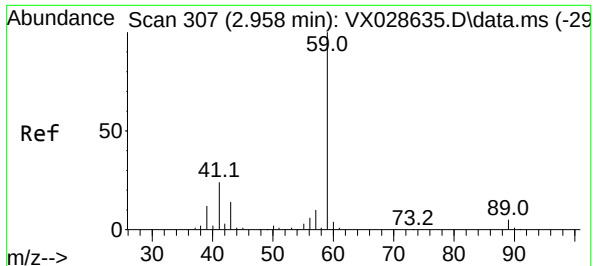
Tgt Ion: 94 Resp: 586  
Ion Ratio Lower Upper  
94 100  
96 97.3 75.3 112.9



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.666 min Scan# 95  
Delta R.T. -0.012 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

Tgt Ion: 64 Resp: 656  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 307

Delta R.T. -0.005 min

Lab File: VX028681.D

Acq: 13 May 2022 16:30

Instrument :

MSVOA\_X

ClientSampleId :

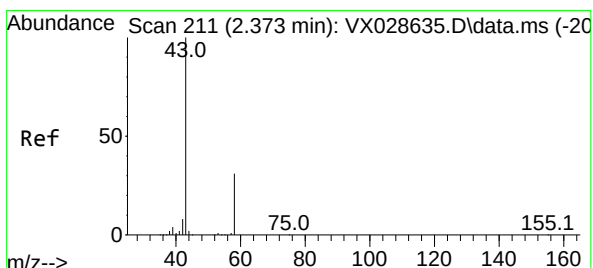
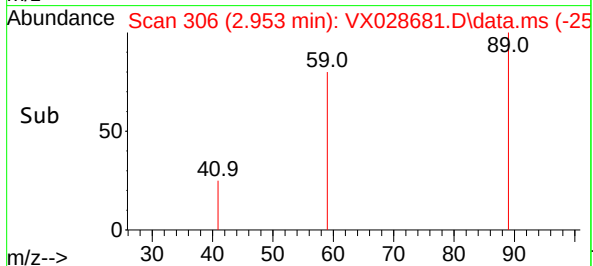
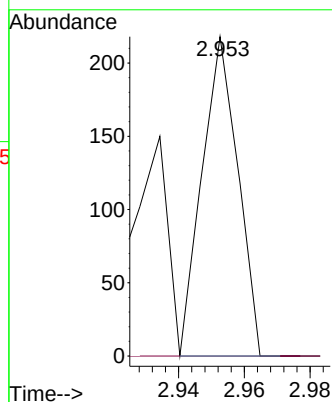
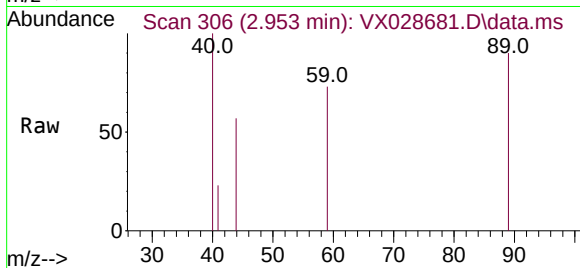
RW9-MW01D3-20220510

Tgt Ion: 59 Resp: 165

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.695 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX028681.D

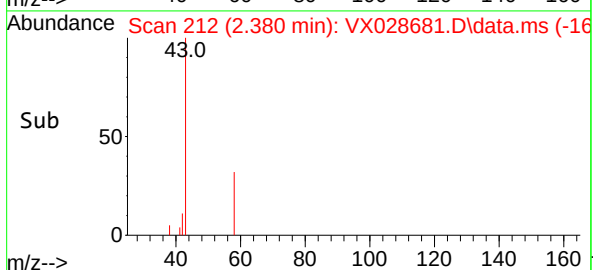
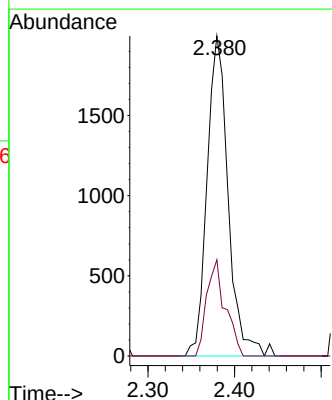
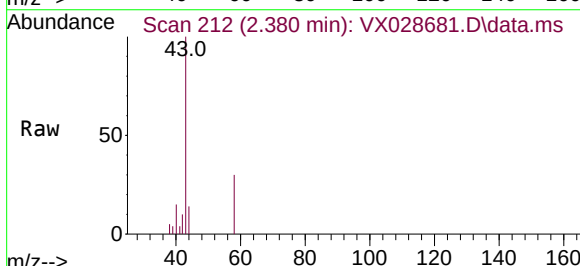
Acq: 13 May 2022 16:30

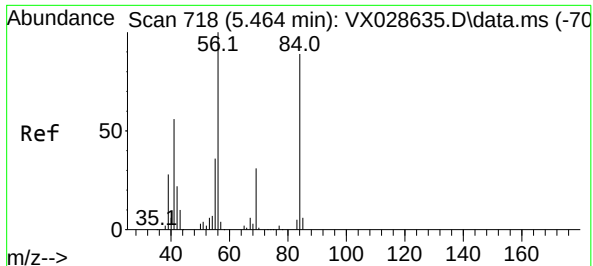
Tgt Ion: 43 Resp: 3381

Ion Ratio Lower Upper

43 100

58 30.1 28.8 43.2

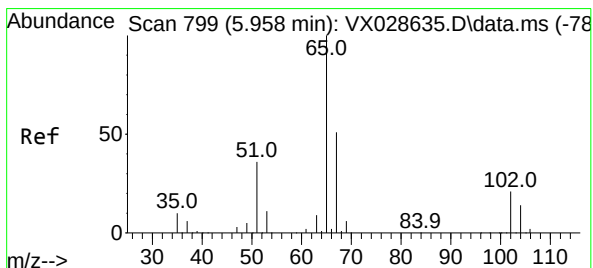
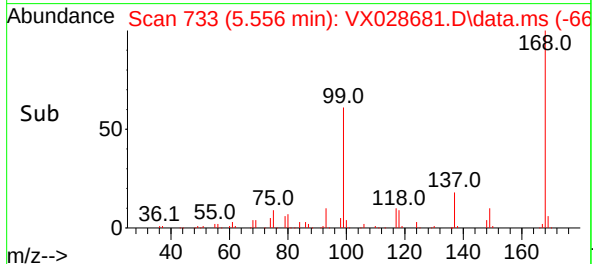
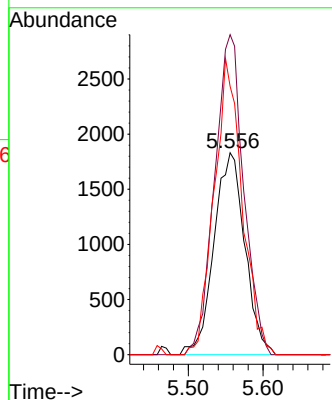
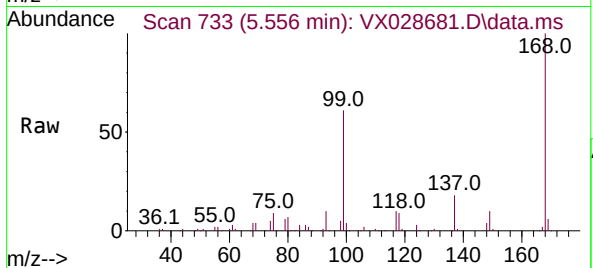




#31  
Cyclohexane  
Concen: 1.295 ug/l  
RT: 5.556 min Scan# 718  
Delta R.T. 0.092 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

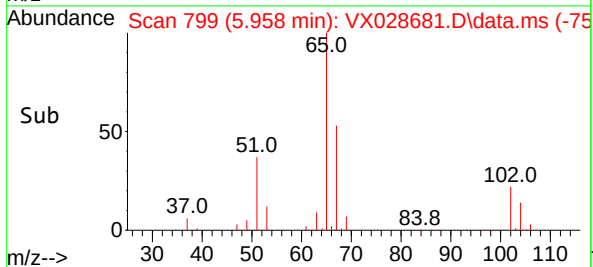
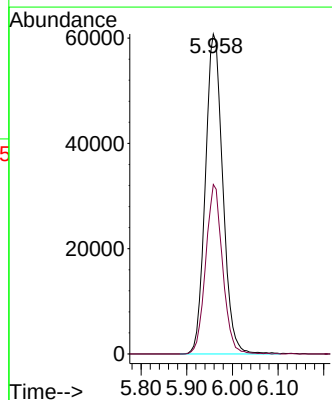
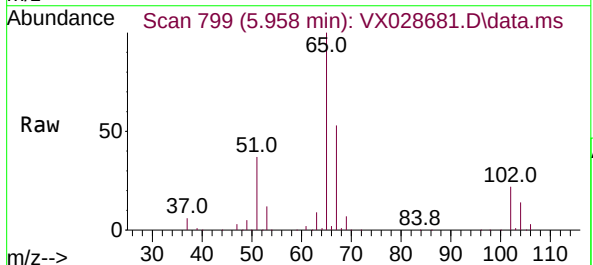
Instrument :  
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RW9-MW01D3-20220510

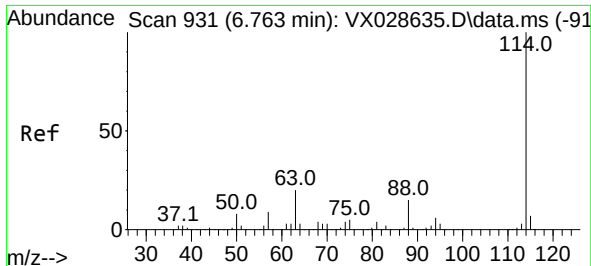
Tgt Ion: 56 Resp: 5254  
Ion Ratio Lower Upper  
56 100  
69 158.5 26.7 40.1#  
84 132.9 77.2 115.8#



#33  
1,2-Dichloroethane-d4  
Concen: 55.079 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

Tgt Ion: 65 Resp: 160996  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 107.4

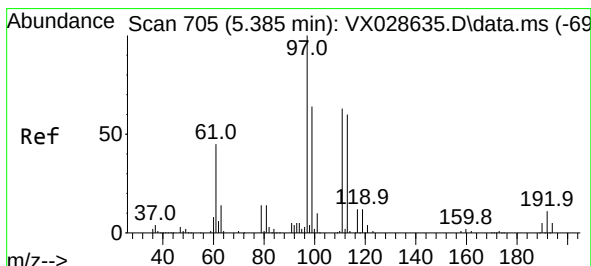
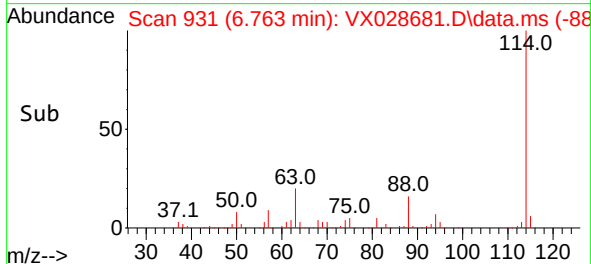
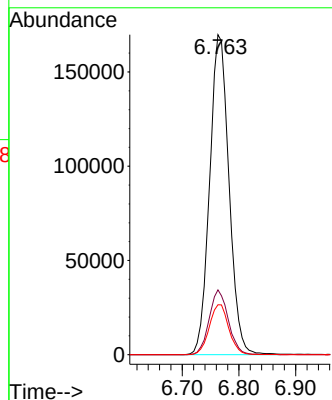
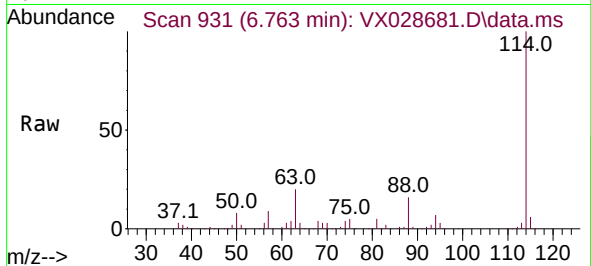




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

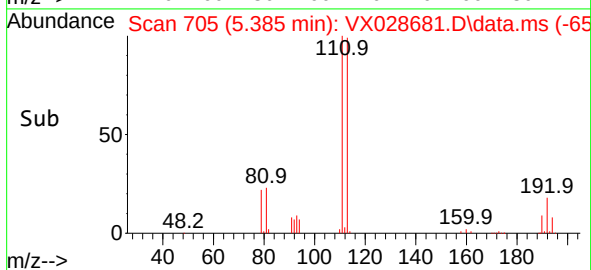
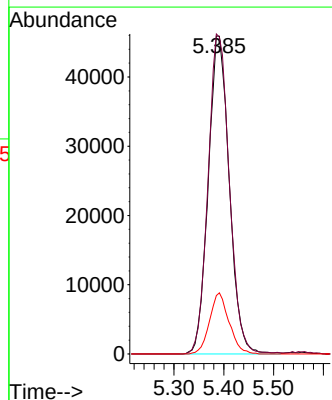
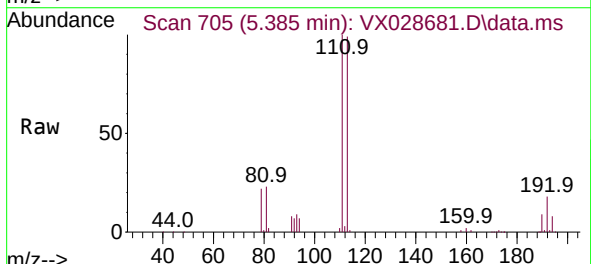
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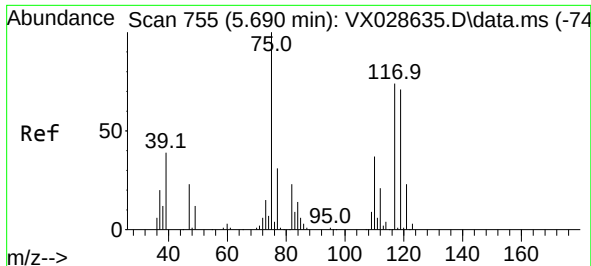
Tgt Ion:114 Resp: 402530  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 36.8  
88 15.6 0.0 32.4



#35  
Dibromofluoromethane  
Concen: 50.949 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

Tgt Ion:113 Resp: 134369  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.8 124.2  
192 17.8 16.9 25.3

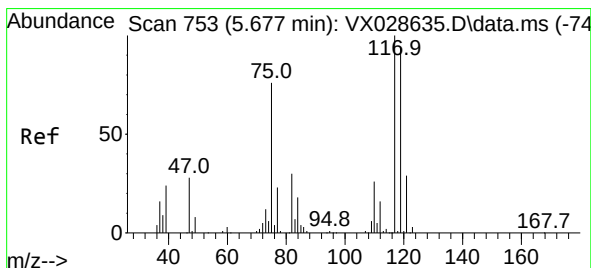
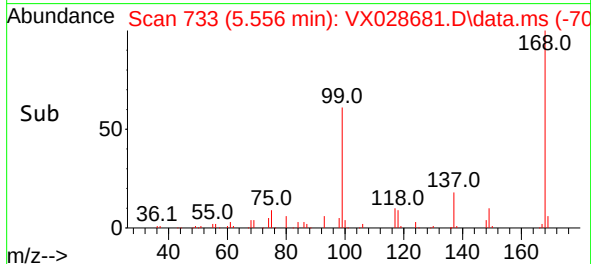
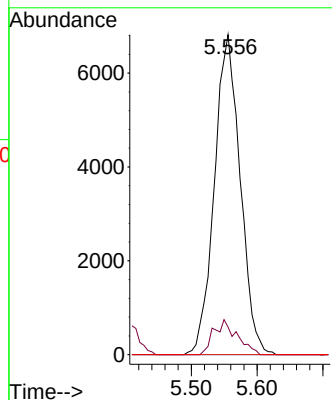
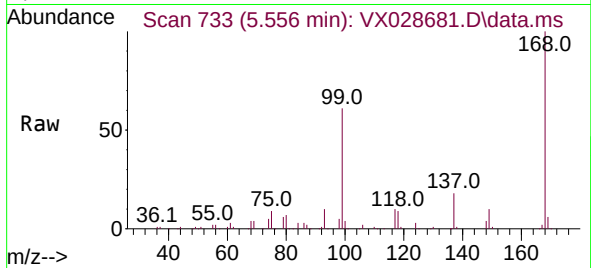




#36  
1,1-Dichloropropene  
Concen: 4.698 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.134 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

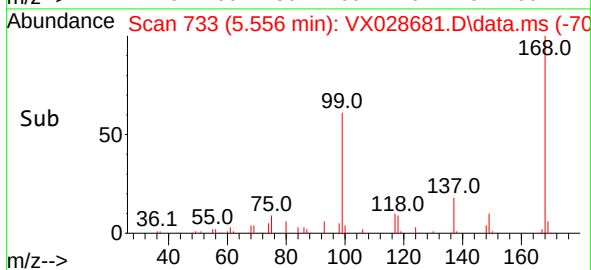
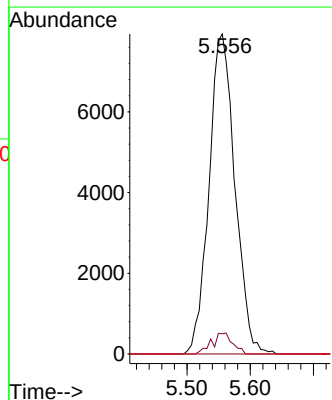
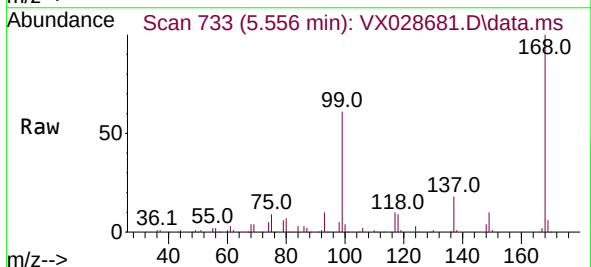
Instrument :  
MSVOA\_X  
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RW9-MW01D3-20220510

Tgt Ion: 75 Resp: 18608  
Ion Ratio Lower Upper  
75 100  
110 9.9 18.3 54.8#  
77 0.0 24.8 37.2#

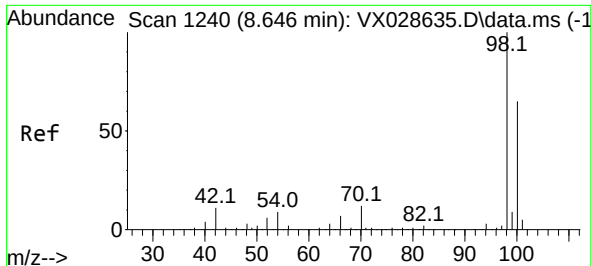


#38  
Carbon Tetrachloride  
Concen: 5.660 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.121 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

Tgt Ion: 117 Resp: 22565  
Ion Ratio Lower Upper  
117 100  
119 6.3 77.3 115.9#  
121 0.0 24.2 36.2#



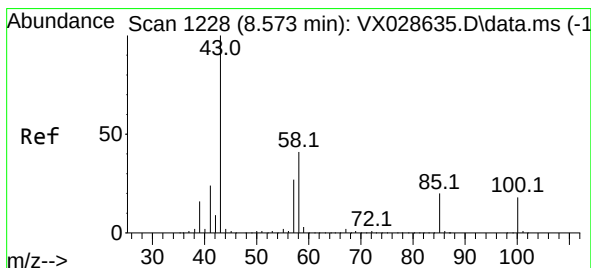
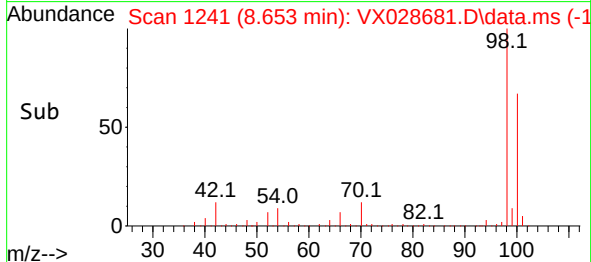
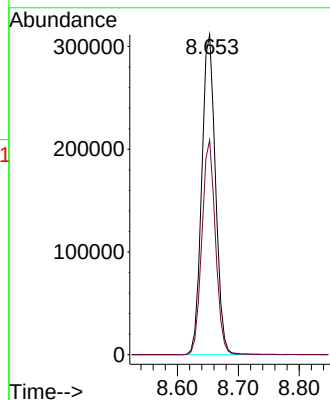
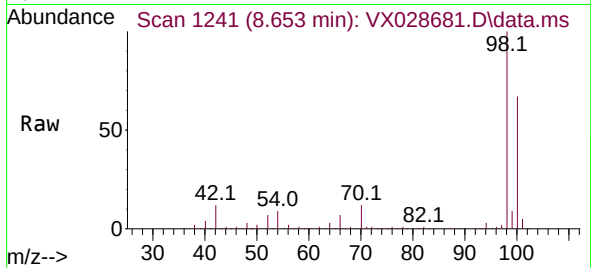




#50  
Toluene-d8  
Concen: 49.148 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

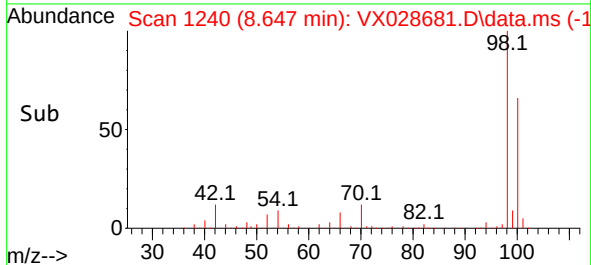
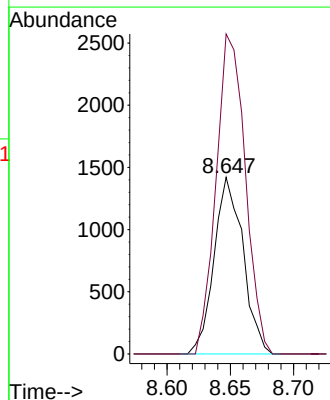
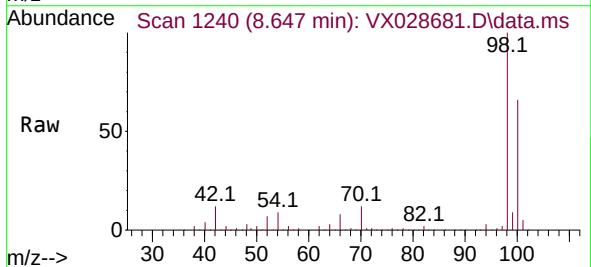
Instrument :  
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ClientSampleId :  
RW9-MW01D3-20220510

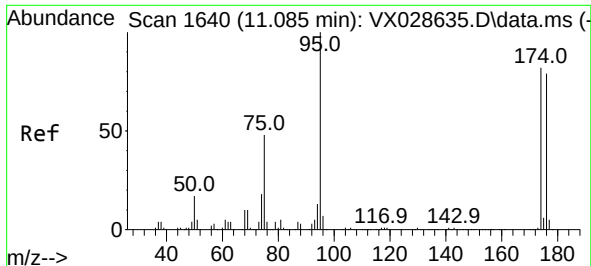
Tgt Ion: 98 Resp: 488685  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.530 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.074 min  
Lab File: VX028681.D  
Acq: 13 May 2022 16:30

Tgt Ion: 43 Resp: 2258  
Ion Ratio Lower Upper  
43 100  
58 182.9 36.1 54.1#





#62

4-Bromofluorobenzene

Concen: 48.179 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028681.D

Acq: 13 May 2022 16:30

Instrument :

MSVOA\_X

ClientSampleId :

RW9-MW01D3-20220510

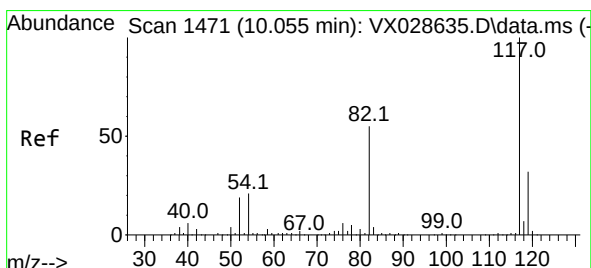
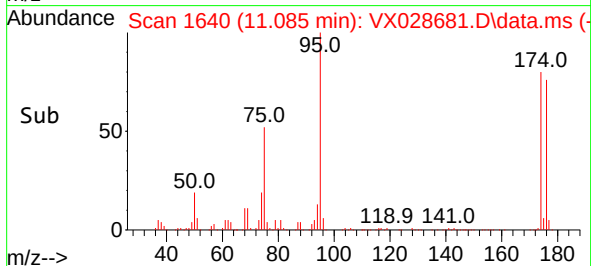
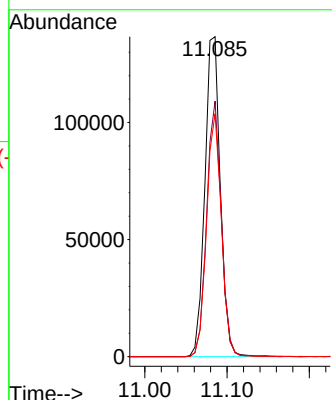
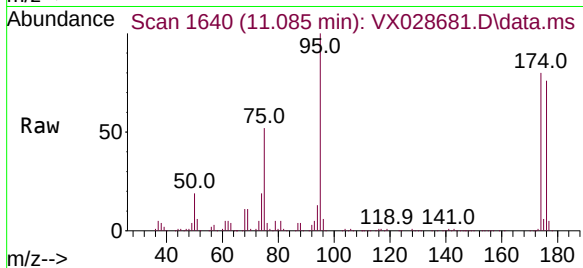
Tgt Ion: 95 Resp: 178928

Ion Ratio Lower Upper

95 100

174 75.8 0.0 163.0

176 72.5 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX028681.D

Acq: 13 May 2022 16:30

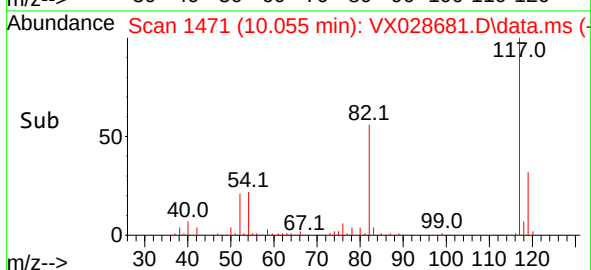
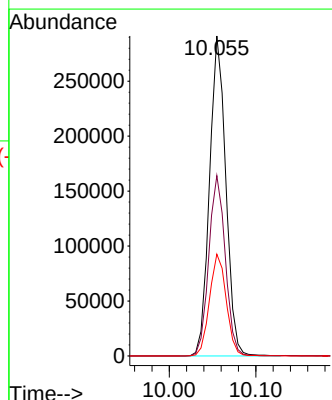
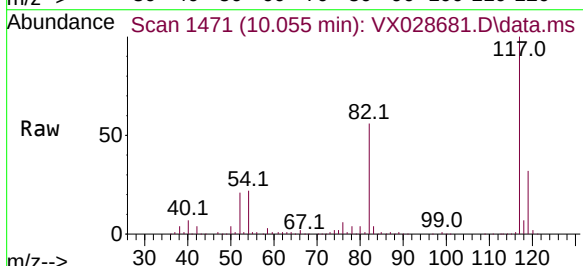
Tgt Ion: 117 Resp: 380833

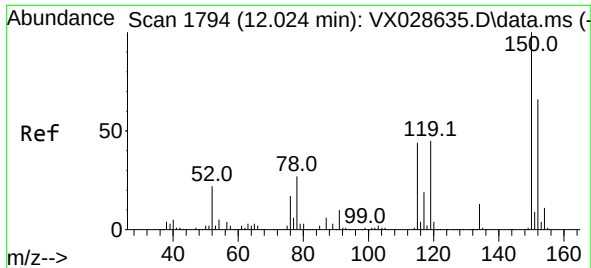
Ion Ratio Lower Upper

117 100

82 56.4 41.8 62.8

119 31.8 24.8 37.2

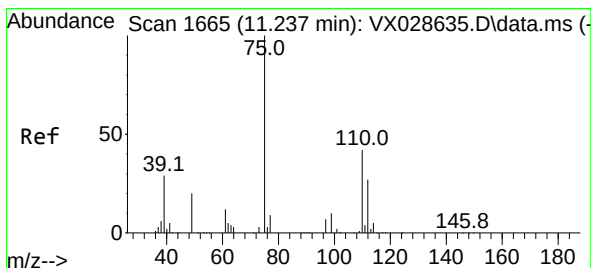
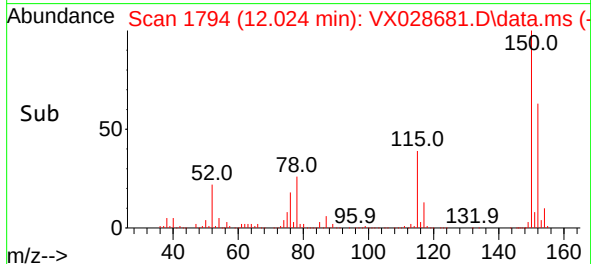
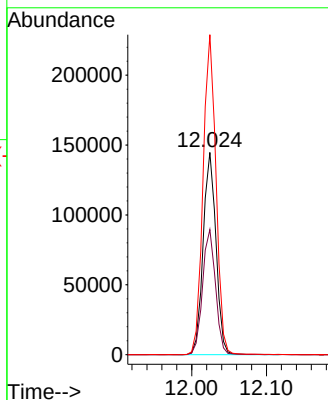
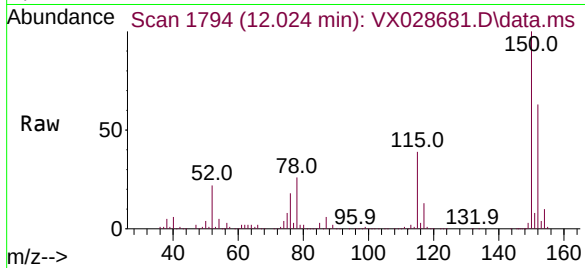




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX028681.D  
 Acq: 13 May 2022 16:30

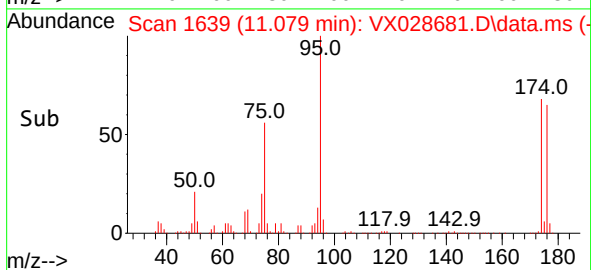
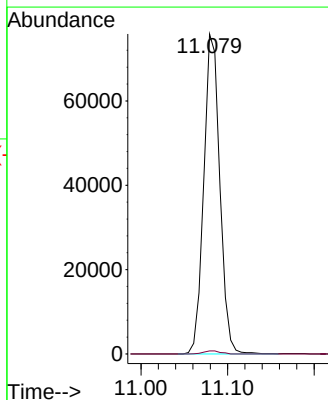
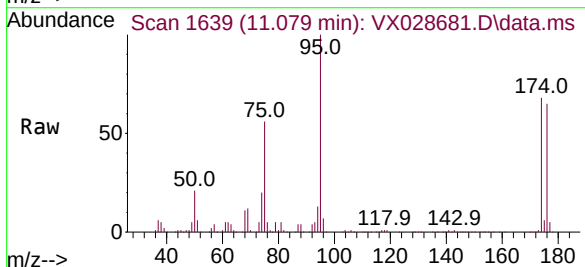
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW9-MW01D3-20220510

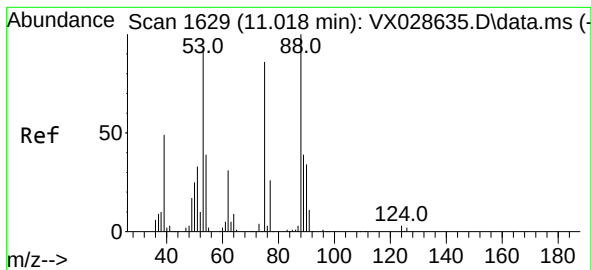
Tgt Ion:152 Resp: 172751  
 Ion Ratio Lower Upper  
 152 100  
 115 62.4 37.5 112.7  
 150 159.0 0.0 338.2



#76  
 1,2,3-Trichloropropane  
 Concen: 24.127 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX028681.D  
 Acq: 13 May 2022 16:30

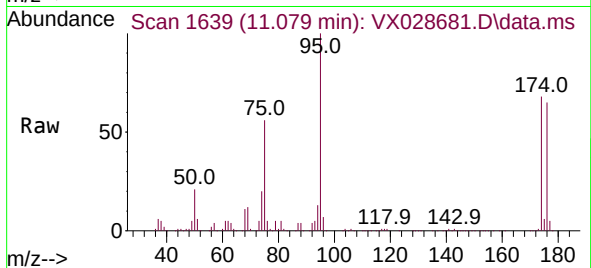
Tgt Ion: 75 Resp: 97608  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 70.274 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX028681.D  
 Acq: 13 May 2022 16:30

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW9-MW01D3-20220510



Tgt Ion: 75 Resp: 97608  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.1 37.0 55.6#

