

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022024\  
 Data File : VX040366.D  
 Acq On : 20 Feb 2024 18:50  
 Operator : JC/MD  
 Sample : P1520-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW17811-20240215

Quant Time: Feb 21 02:07:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 12 00:21:14 2024  
 Response via : Initial Calibration

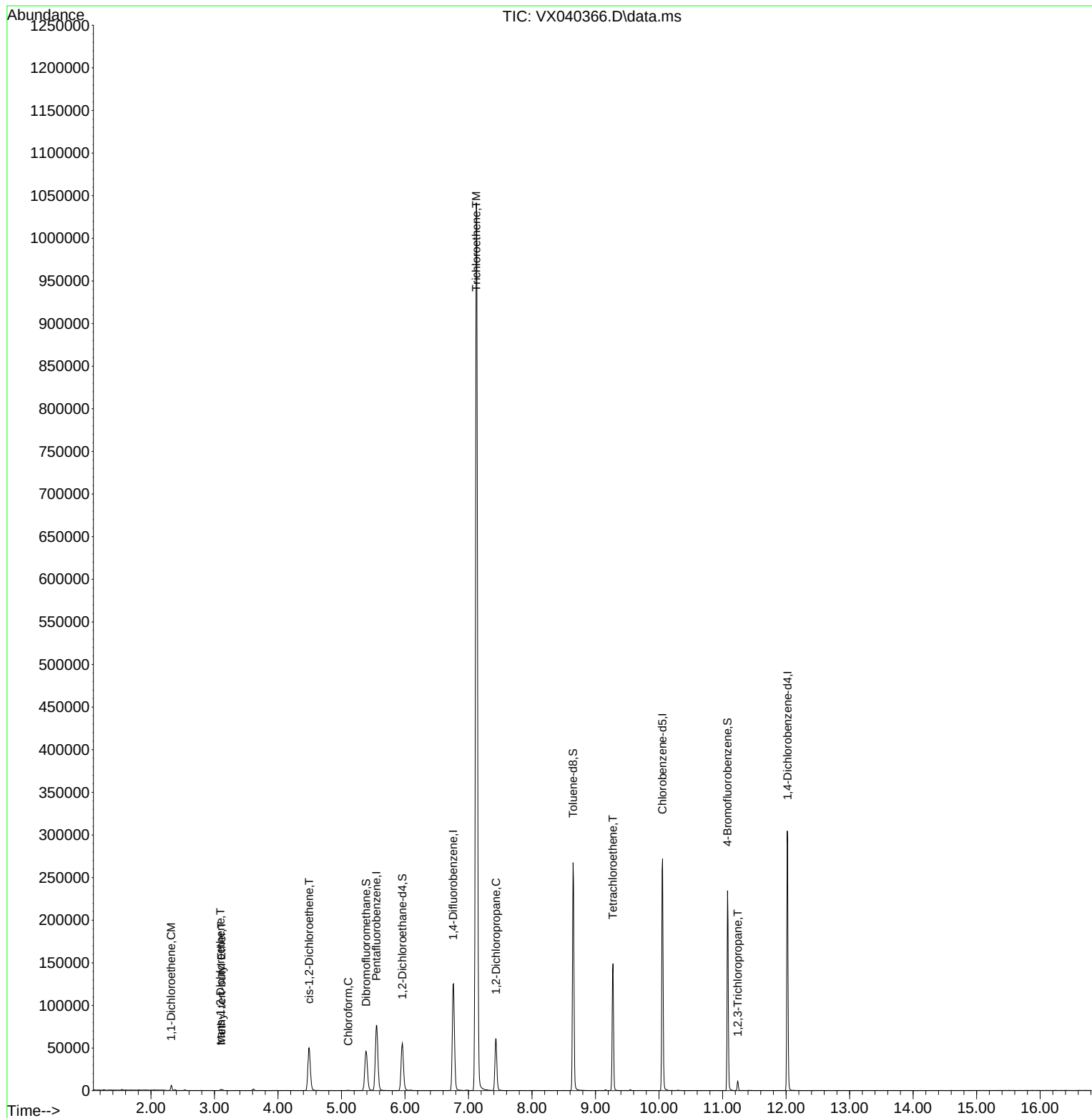
| Compound                     | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                        |           |       |          |          |        |          |
| Internal Standards           |           |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.550     | 168   | 69424    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757     | 114   | 122519   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055    | 117   | 119489   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024    | 152   | 59889    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958     | 65    | 54726    | 52.987   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 78 - 117 | Recovery | =      | 105.980% |
| 35) Dibromofluoromethane     | 5.385     | 113   | 40968    | 47.882   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 75 - 124 | Recovery | =      | 95.760%  |
| 50) Toluene-d8               | 8.647     | 98    | 154008   | 48.119   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 92 - 112 | Recovery | =      | 96.240%  |
| 62) 4-Bromofluorobenzene     | 11.079    | 95    | 59439    | 45.536   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 83 - 123 | Recovery | =      | 91.080%  |
| Target Compounds             |           |       |          |          |        |          |
|                              |           |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene       | 2.318     | 96    | 1831     | 2.583    | ug/l # | 71       |
| 19) Methyl tert-butyl Ether  | 3.111     | 73    | 1231     | 0.493    | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093     | 96    | 239      | 0.296    | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489     | 96    | 30236    | 32.833   | ug/l   | 89       |
| 30) Chloroform               | 5.105     | 83    | 426      | 0.271    | ug/l # | 70       |
| 44) Trichloroethene          | 7.122     | 130   | 385474   | 416.935  | ug/l   | 99       |
| 45) 1,2-Dichloropropane      | 7.433     | 63    | 23749    | 27.223   | ug/l   | 96       |
| 64) Tetrachloroethene        | 9.275     | 164   | 25889    | 30.918   | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane   | 11.238    | 75    | 3571     | 2.944    | ug/l   | 96       |
| -----                        |           |       |          |          |        |          |

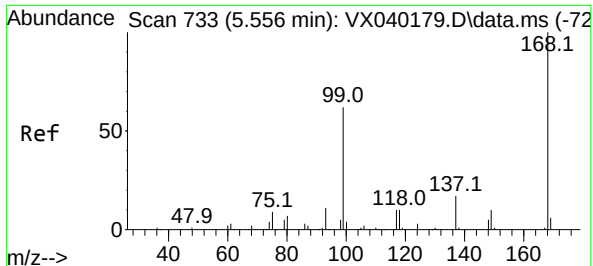
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

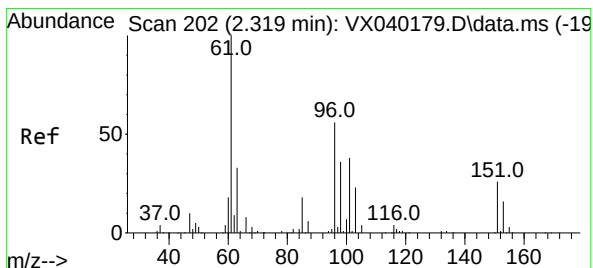
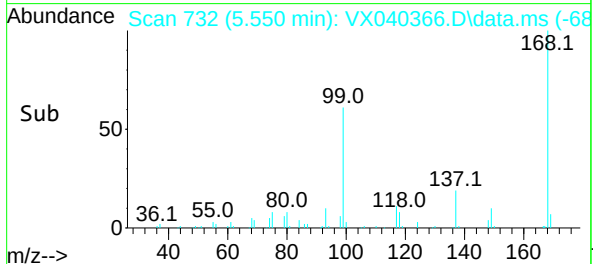
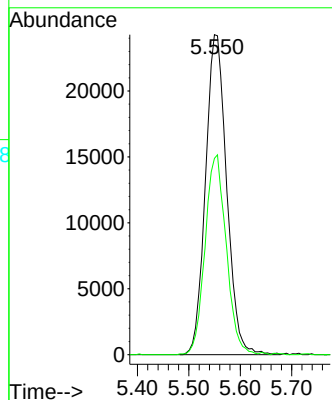
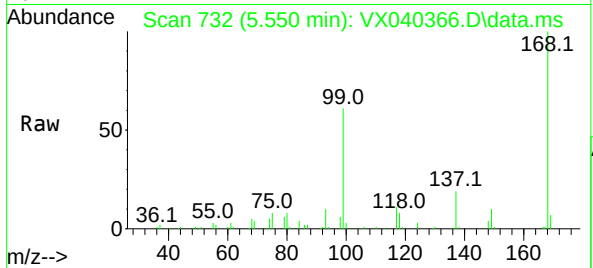




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX040366.D  
Acq: 20 Feb 2024 18:50

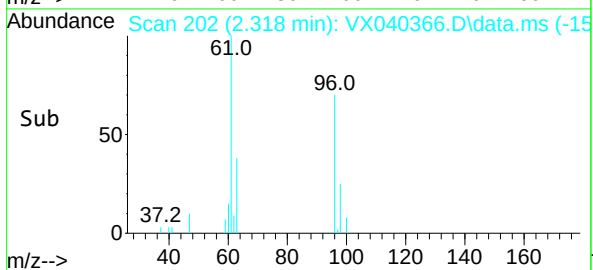
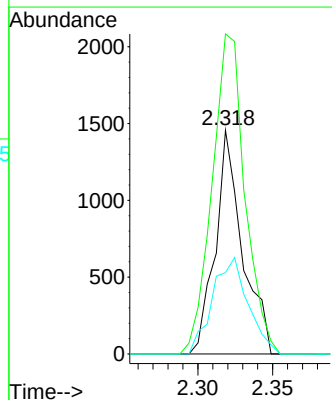
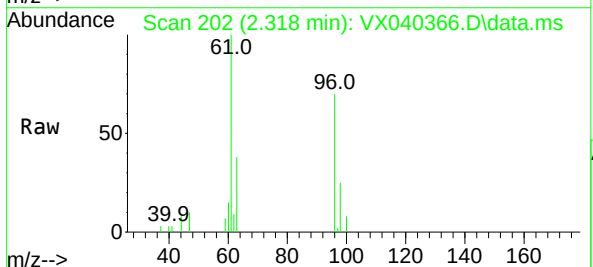
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW17811-20240215

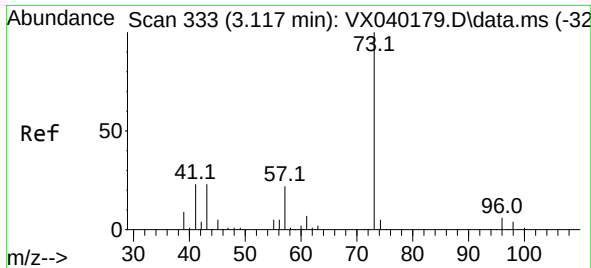
Tgt Ion:168 Resp: 69424  
Ion Ratio Lower Upper  
168 100  
99 61.1 56.6 85.0



#12  
1,1-Dichloroethene  
Concen: 2.583 ug/l  
RT: 2.318 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX040366.D  
Acq: 20 Feb 2024 18:50

Tgt Ion: 96 Resp: 1831  
Ion Ratio Lower Upper  
96 100  
61 143.1 144.6 216.8#  
98 36.3 50.4 75.6#

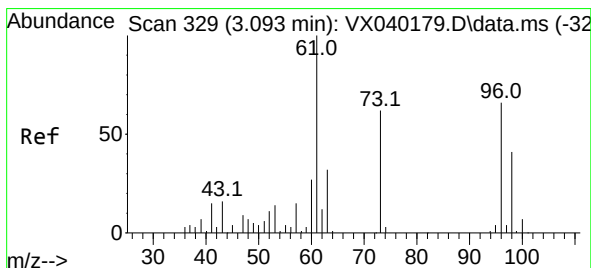
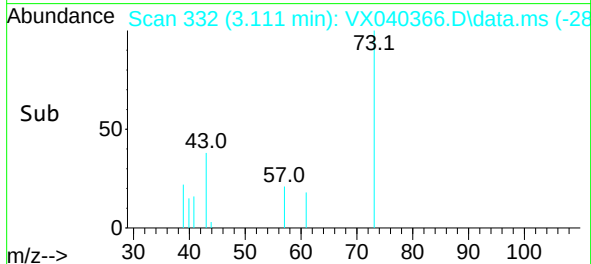
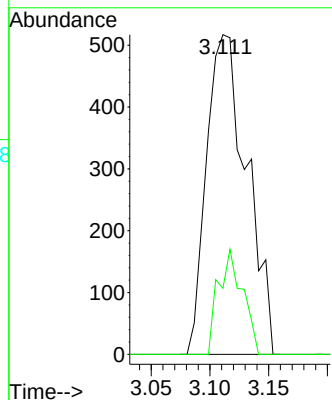
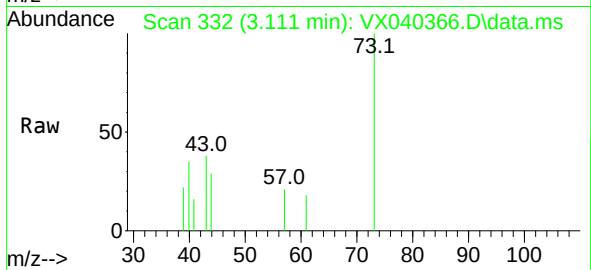




#19  
Methyl tert-butyl Ether  
Concen: 0.493 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VX040366.D  
Acq: 20 Feb 2024 18:50

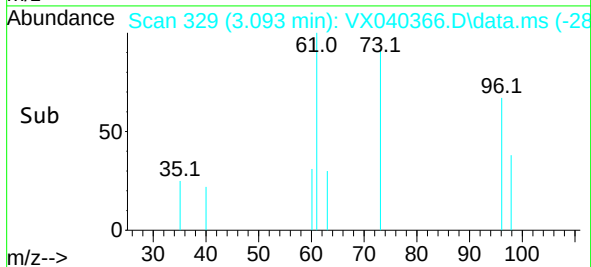
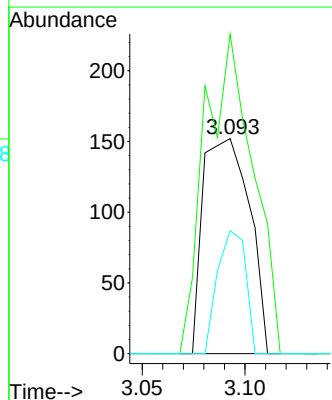
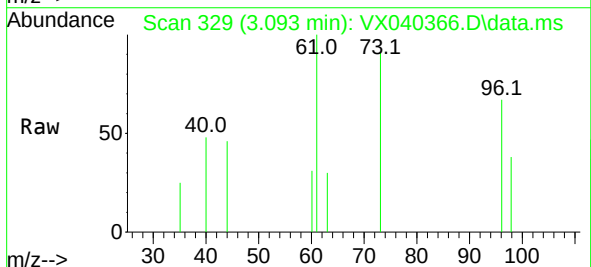
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW17811-20240215

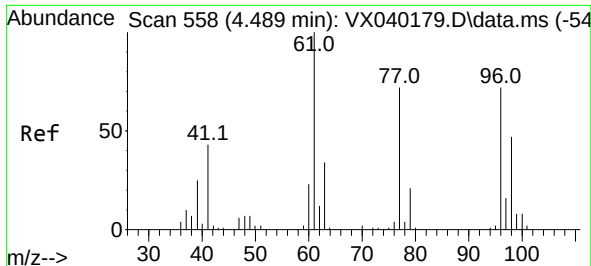
Tgt Ion: 73 Resp: 1231  
Ion Ratio Lower Upper  
73 100  
57 20.7 17.3 25.9



#21  
trans-1,2-Dichloroethene  
Concen: 0.296 ug/l  
RT: 3.093 min Scan# 329  
Delta R.T. -0.000 min  
Lab File: VX040366.D  
Acq: 20 Feb 2024 18:50

Tgt Ion: 96 Resp: 239  
Ion Ratio Lower Upper  
96 100  
61 148.7 119.2 178.8  
98 57.2 48.7 73.1





#27

cis-1,2-Dichloroethene

Concen: 32.833 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX040366.D

Acq: 20 Feb 2024 18:50

Instrument :

MSVOA\_X

ClientSampleId :

MW17811-20240215

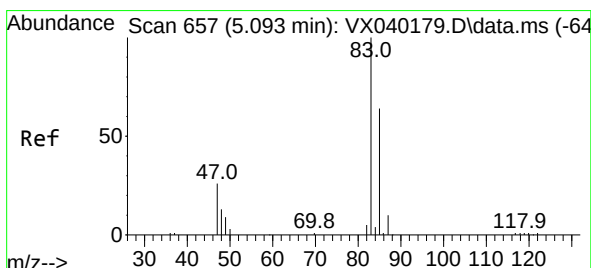
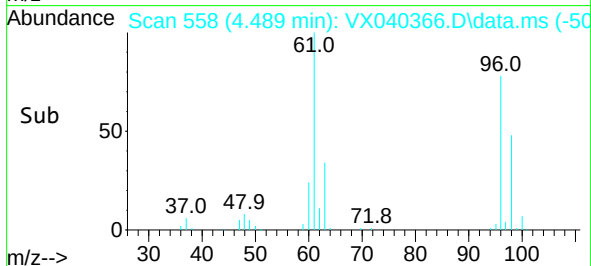
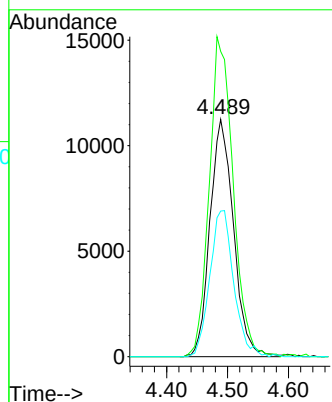
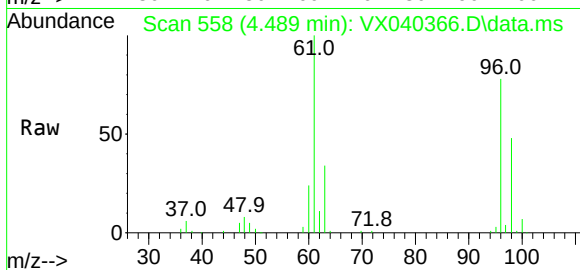
Tgt Ion: 96 Resp: 30236

Ion Ratio Lower Upper

96 100

61 136.5 0.0 312.2

98 62.5 0.0 129.0



#30

Chloroform

Concen: 0.271 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX040366.D

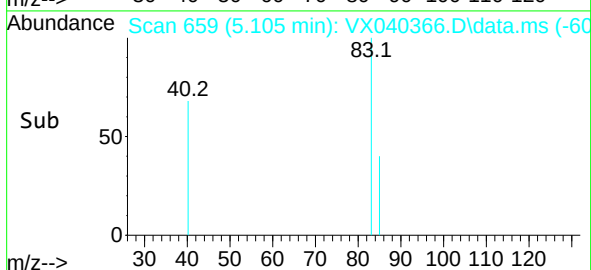
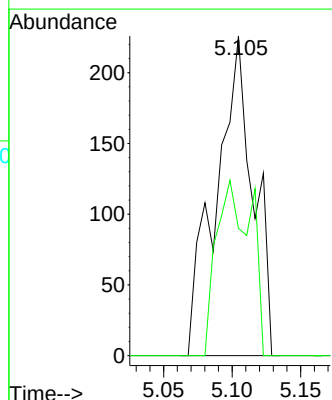
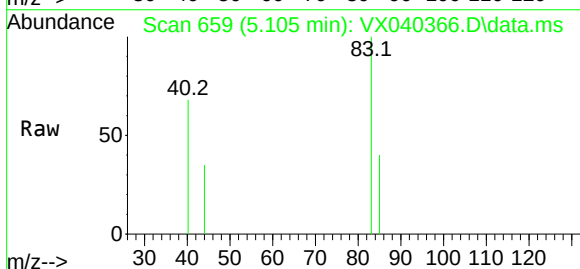
Acq: 20 Feb 2024 18:50

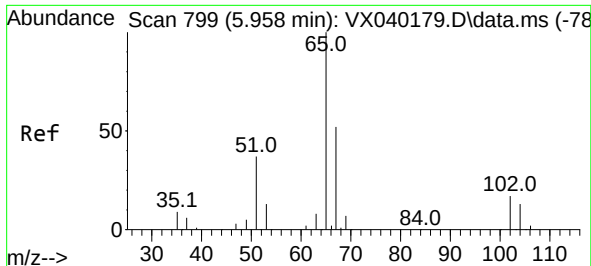
Tgt Ion: 83 Resp: 426

Ion Ratio Lower Upper

83 100

85 39.8 50.3 75.5#





#33

1,2-Dichloroethane-d4

Concen: 52.987 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX040366.D

Acq: 20 Feb 2024 18:50

Instrument :

MSVOA\_X

ClientSampleId :

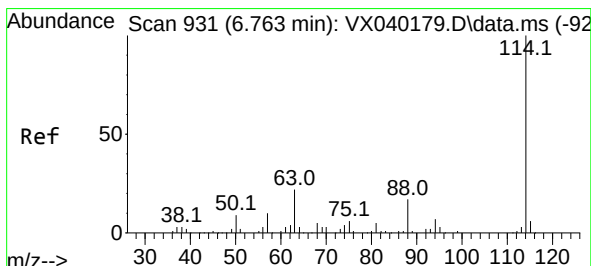
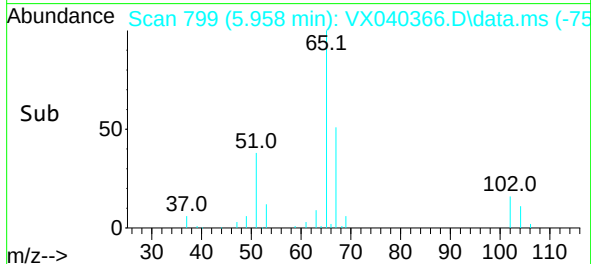
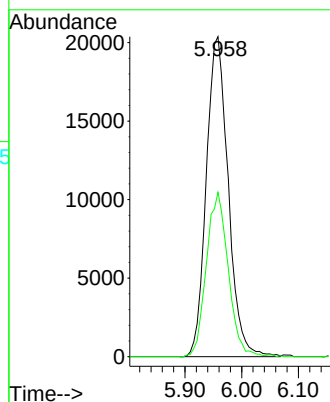
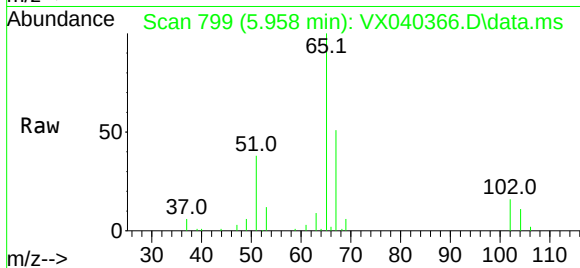
MW17811-20240215

Tgt Ion: 65 Resp: 54726

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX040366.D

Acq: 20 Feb 2024 18:50

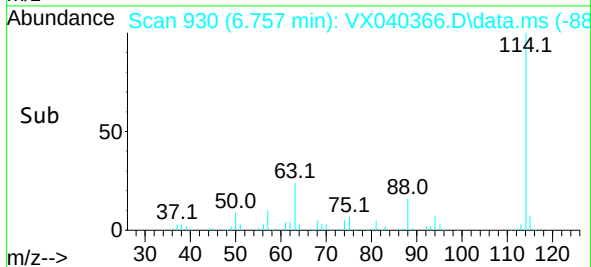
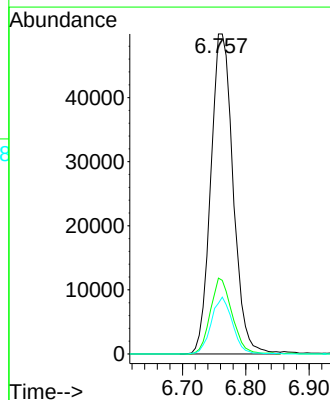
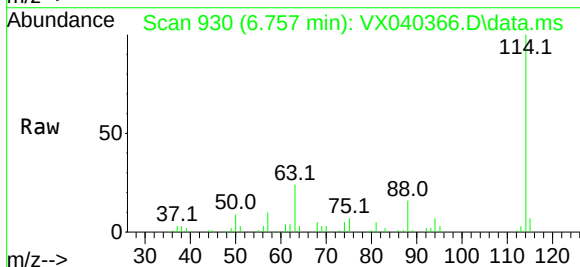
Tgt Ion: 114 Resp: 122519

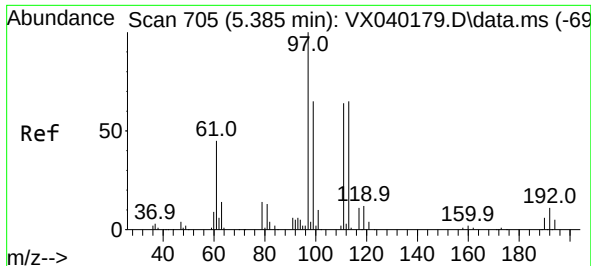
Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.0

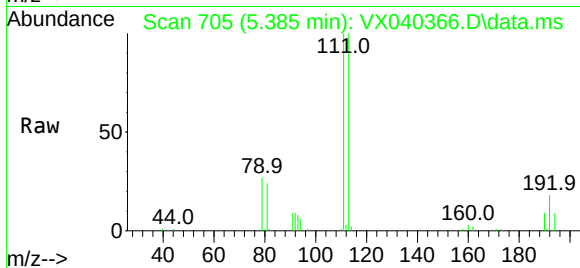
88 15.8 0.0 36.6



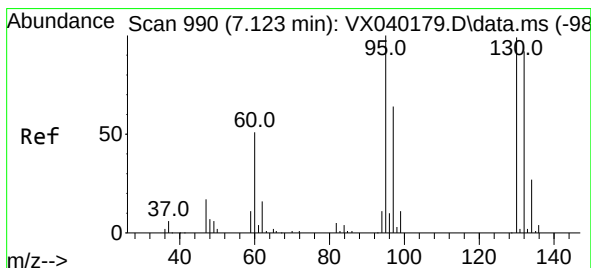
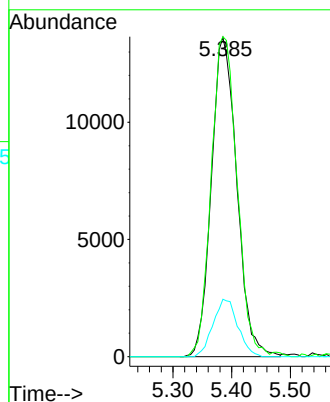
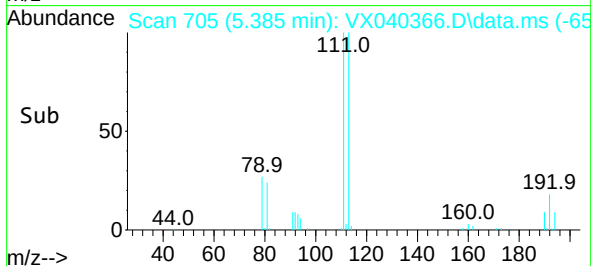


#35  
Dibromofluoromethane  
Concen: 47.882 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX040366.D  
Acq: 20 Feb 2024 18:50

Instrument :  
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ClientSampleId :  
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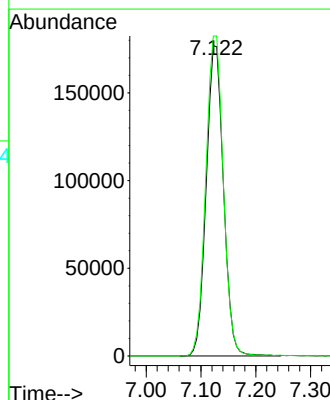
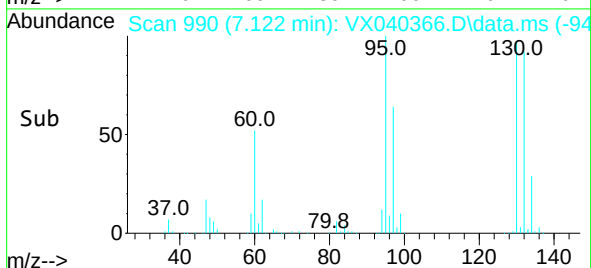
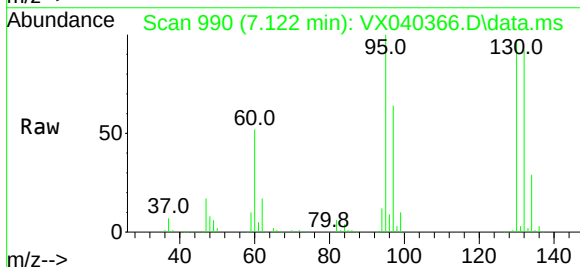


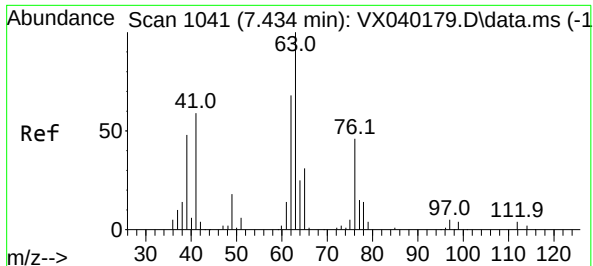
Tgt Ion:113 Resp: 40968  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.9 124.3  
192 17.5 13.3 19.9



#44  
Trichloroethene  
Concen: 416.935 ug/l  
RT: 7.122 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: VX040366.D  
Acq: 20 Feb 2024 18:50

Tgt Ion:130 Resp: 385474  
Ion Ratio Lower Upper  
130 100  
95 103.1 0.0 204.4





#45

1,2-Dichloropropane

Concen: 27.223 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VX040366.D

Acq: 20 Feb 2024 18:50

Instrument :

MSVOA\_X

ClientSampleId :

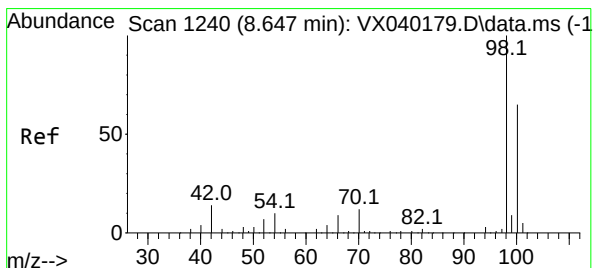
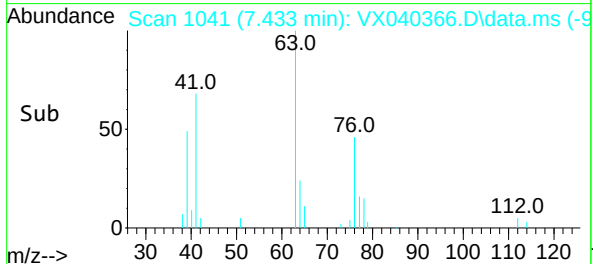
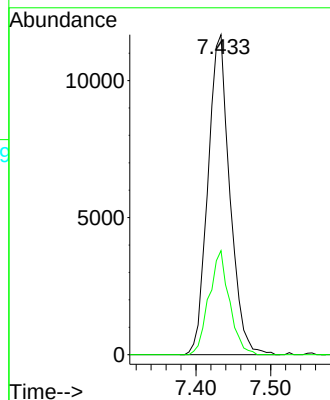
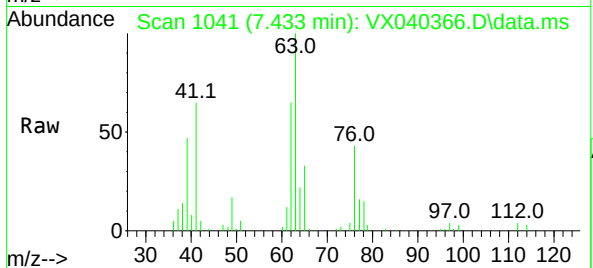
MW17811-20240215

Tgt Ion: 63 Resp: 23749

Ion Ratio Lower Upper

63 100

65 32.5 24.3 36.5



#50

Toluene-d8

Concen: 48.119 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX040366.D

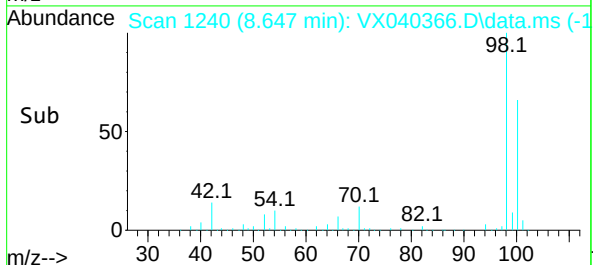
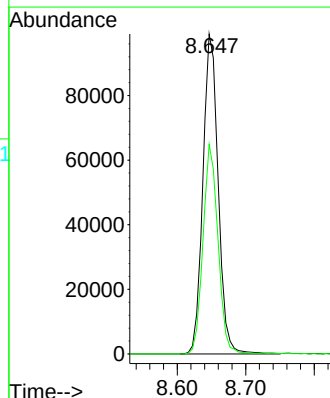
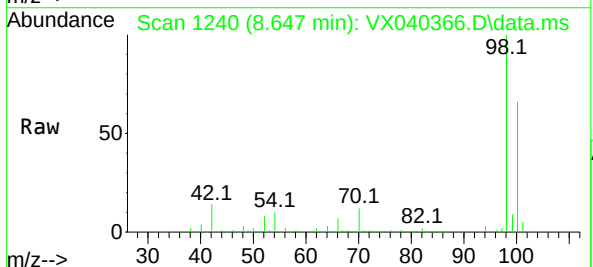
Acq: 20 Feb 2024 18:50

Tgt Ion: 98 Resp: 154008

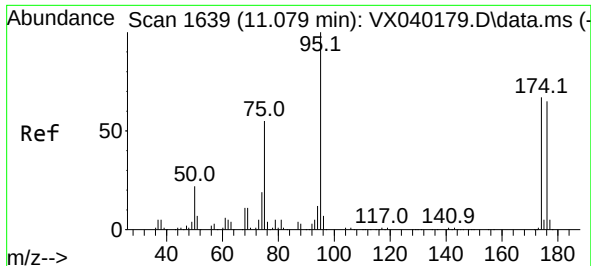
Ion Ratio Lower Upper

98 100

100 64.4 53.1 79.7



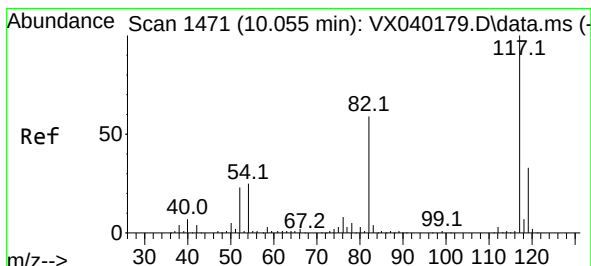
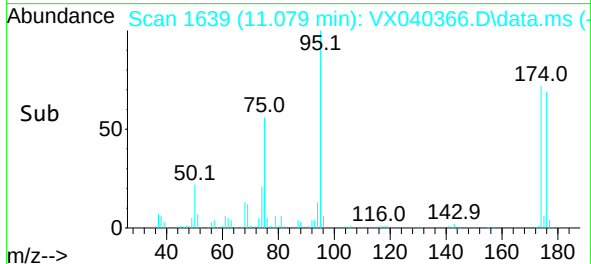
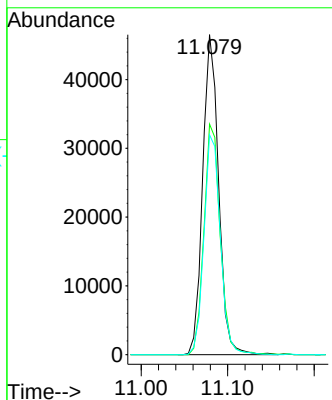
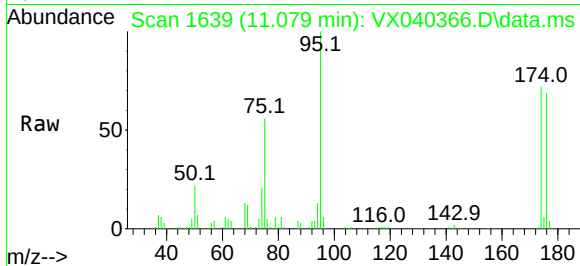




#62  
4-Bromofluorobenzene  
Concen: 45.536 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX040366.D  
Acq: 20 Feb 2024 18:50

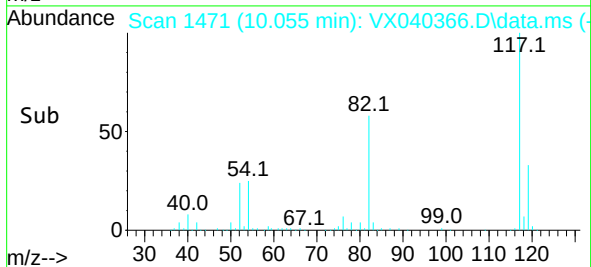
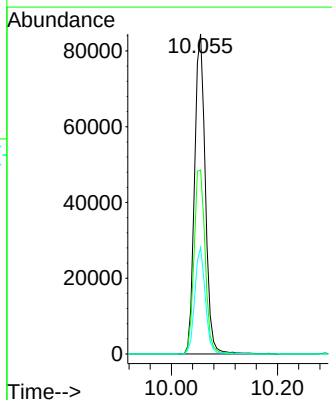
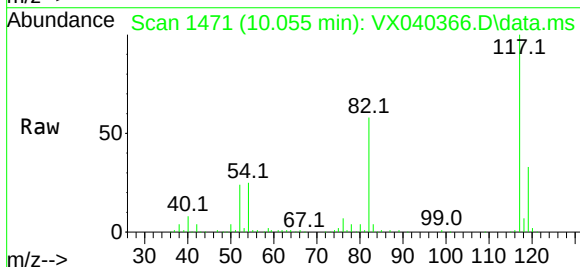
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW17811-20240215

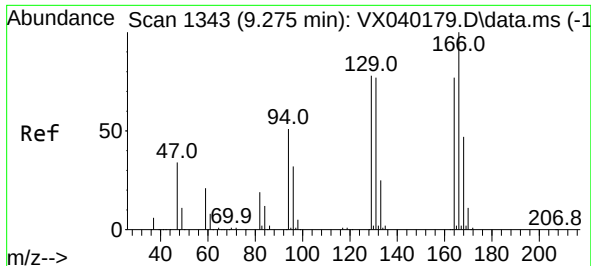
Tgt Ion: 95 Resp: 59439  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 135.6  
176 70.8 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX040366.D  
Acq: 20 Feb 2024 18:50

Tgt Ion: 117 Resp: 119489  
Ion Ratio Lower Upper  
117 100  
82 57.5 46.2 69.4  
119 33.3 25.5 38.3

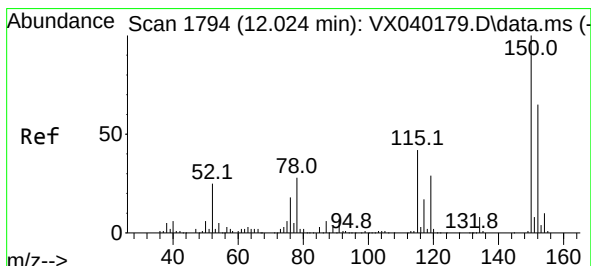
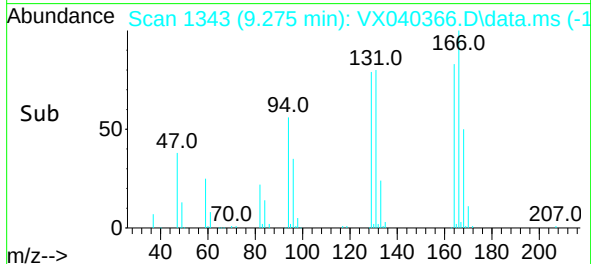
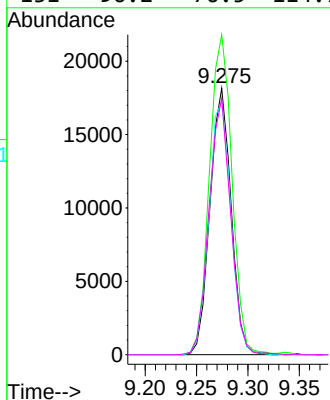
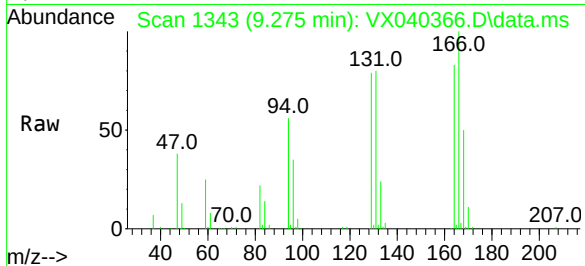




#64  
Tetrachloroethene  
Concen: 30.918 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040366.D  
Acq: 20 Feb 2024 18:50

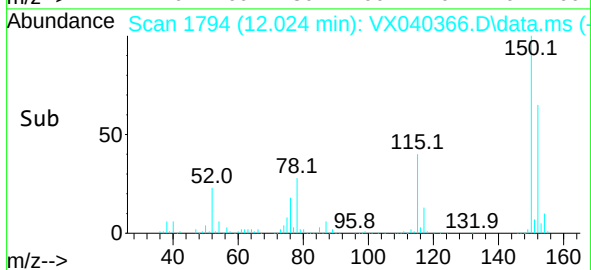
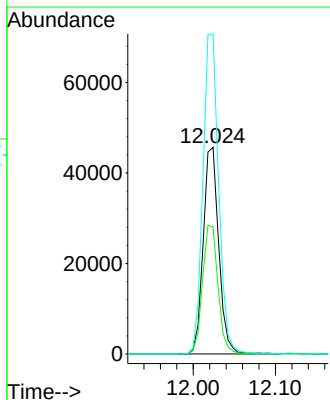
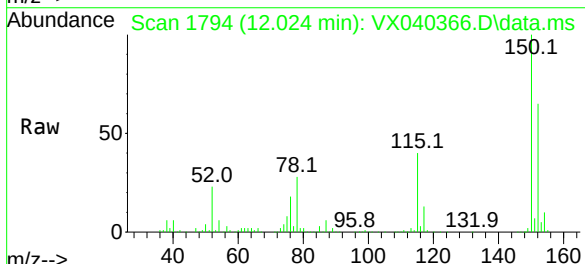
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW17811-20240215

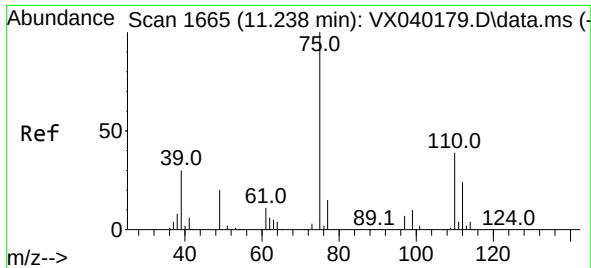
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 25889       |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 166         | 120.1 | 102.7 154.1 |
| 129         | 95.1  | 80.4 120.6  |
| 131         | 96.2  | 76.5 114.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX040366.D  
Acq: 20 Feb 2024 18:50

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 59889       |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 62.3  | 43.3 129.9  |
| 150         | 157.4 | 0.0 345.0   |





#76  
 1,2,3-Trichloropropane  
 Concen: 2.944 ug/l  
 RT: 11.238 min Scan# 1  
 Delta R.T. -0.000 min  
 Lab File: VX040366.D  
 Acq: 20 Feb 2024 18:50

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW17811-20240215

Tgt Ion: 75 Resp: 3571  
 Ion Ratio Lower Upper  
 75 100  
 77 36.1 19.1 57.5

