

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082722\  
 Data File : VX030869.D  
 Acq On : 27 Aug 2022 14:42  
 Operator : JC/MD  
 Sample : N4373-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT101D2-20220824

Quant Time: Aug 29 01:09:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X082522W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 26 02:03:28 2022  
 Response via : Initial Calibration

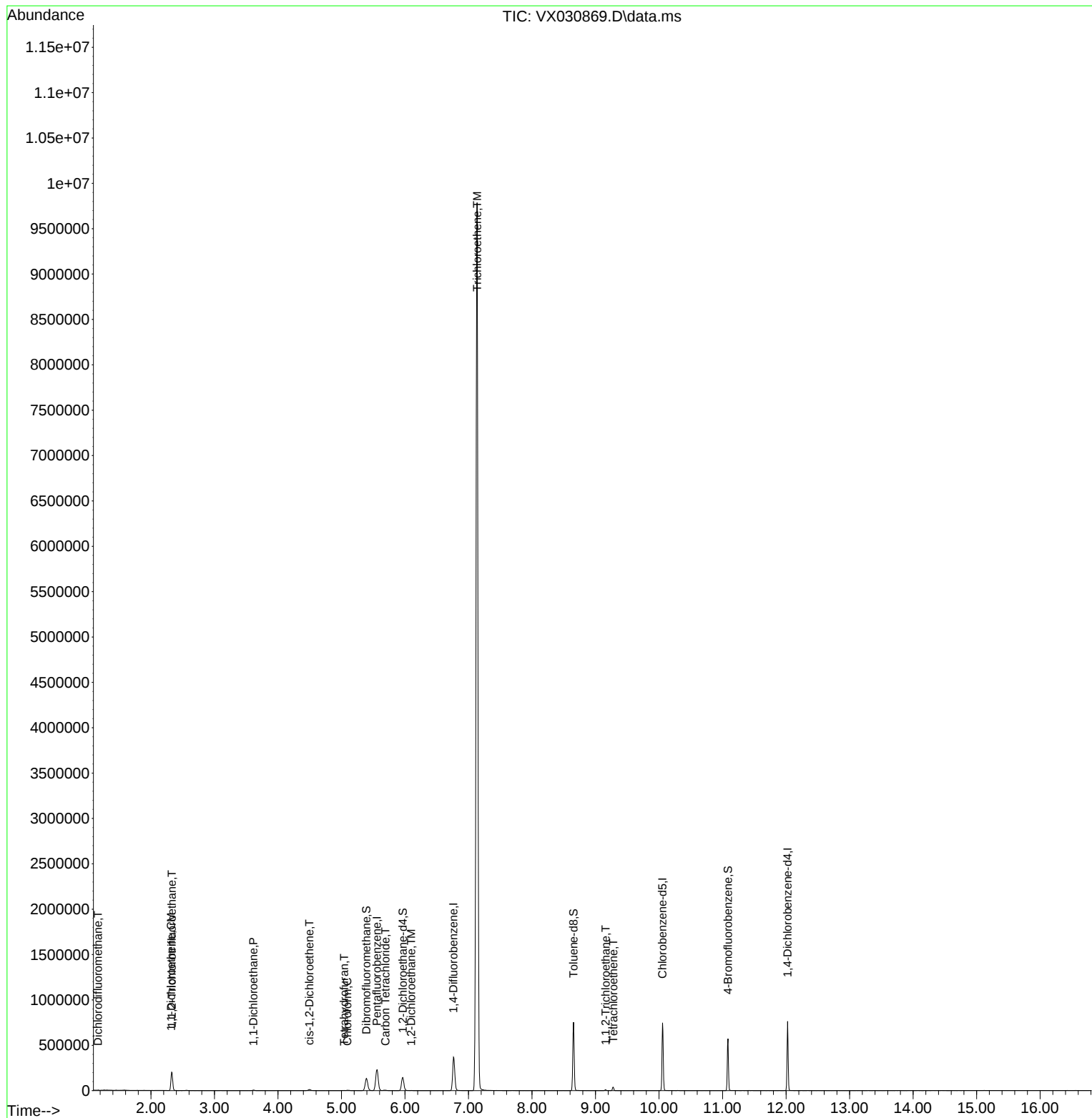
| Compound                     | R.T.           | QIon | Response            | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|----------|--------|----------|
| -----                        |                |      |                     |          |        |          |
| Internal Standards           |                |      |                     |          |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 216988              | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 373460              | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 334377              | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 149672              | 50.000   | ug/l   | 0.00     |
|                              |                |      |                     |          |        |          |
| System Monitoring Compounds  |                |      |                     |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 142376              | 55.782   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 111.560% |          |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 116960              | 50.958   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.920% |          |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 437014              | 54.640   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 109.280% |          |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 150213              | 50.446   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 100.900% |          |        |          |
|                              |                |      |                     |          |        |          |
| Target Compounds             |                |      |                     |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 671                 | 0.334    | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 65191               | 30.851   | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 18858               | 9.587    | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 7039                | 1.699    | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 7597                | 2.910    | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.044          | 42   | 1367                | 1.102    | ug/l # | 76       |
| 30) Chloroform               | 5.092          | 83   | 5010                | 1.149    | ug/l   | 93       |
| 38) Carbon Tetrachloride     | 5.690          | 117  | 4814                | 1.460    | ug/l # | 91       |
| 42) 1,2-Dichloroethane       | 6.098          | 62   | 1342                | 0.404    | ug/l   | 97       |
| 44) Trichloroethene          | 7.135          | 130  | 3681990             | 1362.925 | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane    | 9.159          | 97   | 2615                | 1.008    | ug/l   | 95       |
| 64) Tetrachloroethene        | 9.281          | 164  | 8106                | 3.077    | ug/l # | 84       |
| -----                        |                |      |                     |          |        |          |

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

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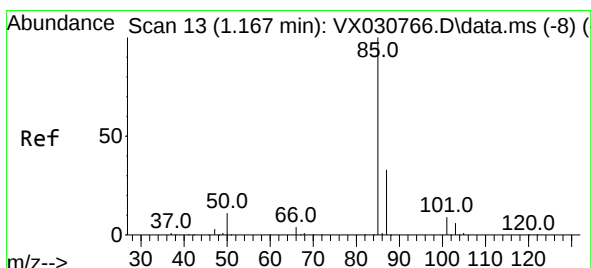
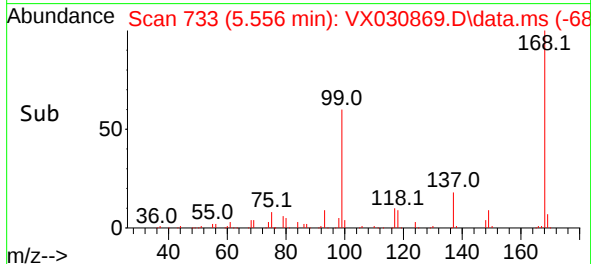
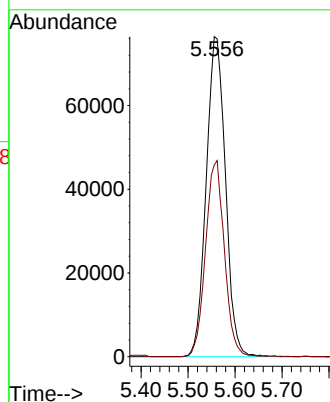
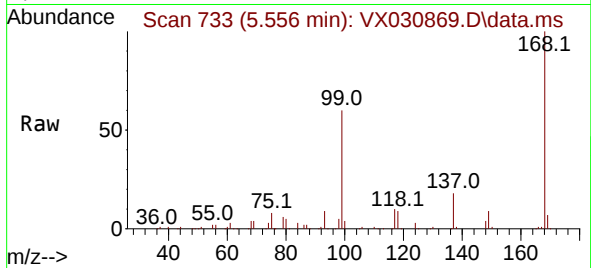




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX030869.D  
Acq: 27 Aug 2022 14:42

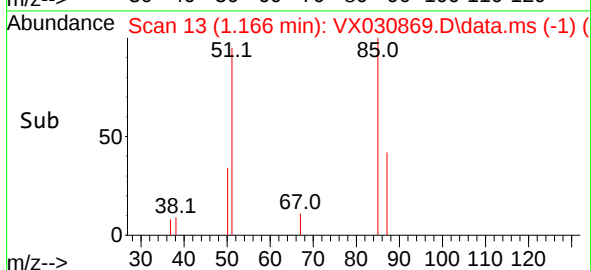
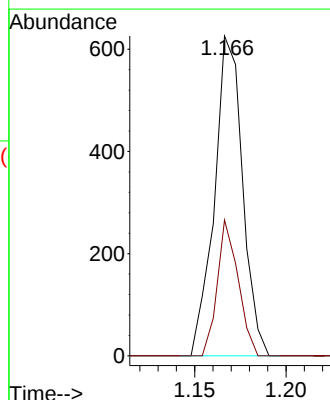
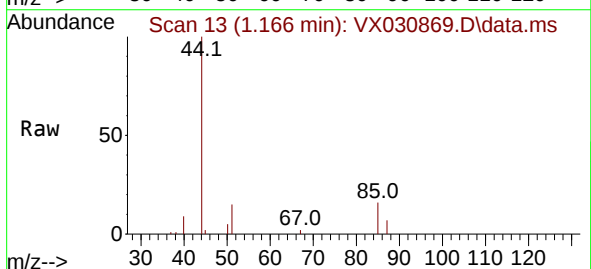
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20220824

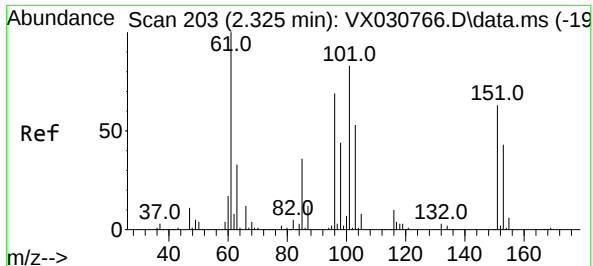
Tgt Ion:168 Resp: 216988  
Ion Ratio Lower Upper  
168 100  
99 59.9 44.0 66.0



#2  
Dichlorodifluoromethane  
Concen: 0.334 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX030869.D  
Acq: 27 Aug 2022 14:42

Tgt Ion: 85 Resp: 671  
Ion Ratio Lower Upper  
85 100  
87 42.5 16.5 49.5

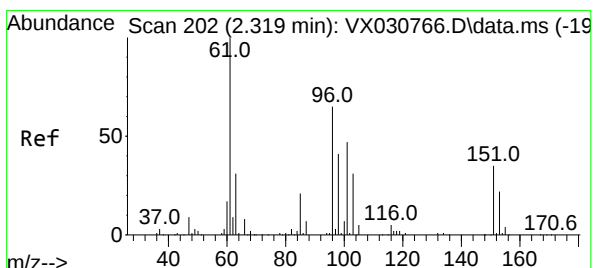
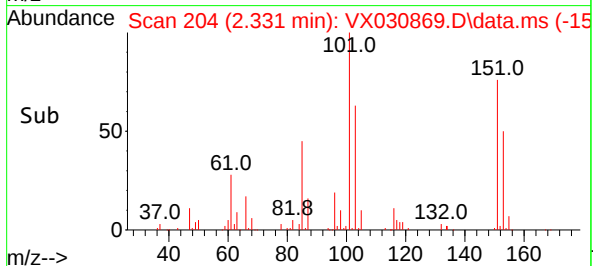
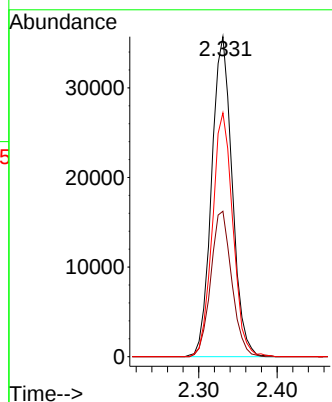
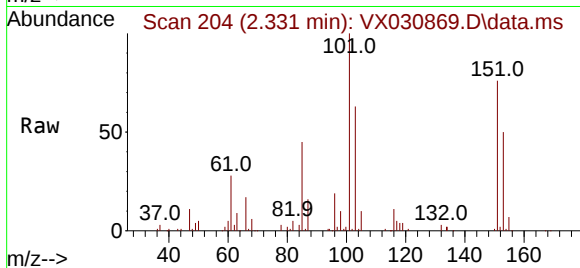




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 30.851 ug/l  
RT: 2.331 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX030869.D  
Acq: 27 Aug 2022 14:42

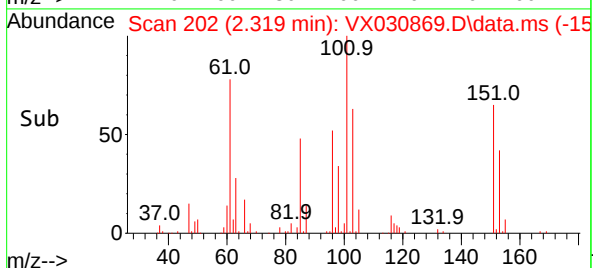
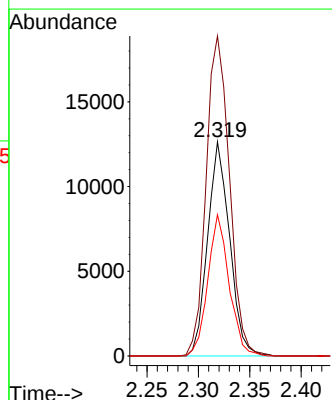
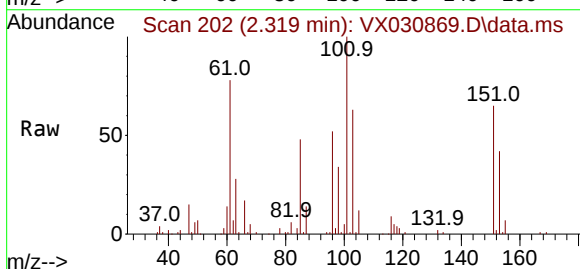
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20220824

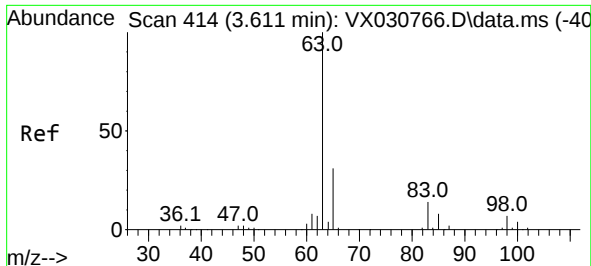
Tgt Ion:101 Resp: 65191  
Ion Ratio Lower Upper  
101 100  
85 46.2 34.0 51.0  
151 75.9 59.4 89.0



#12  
1,1-Dichloroethene  
Concen: 9.587 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX030869.D  
Acq: 27 Aug 2022 14:42

Tgt Ion: 96 Resp: 18858  
Ion Ratio Lower Upper  
96 100  
61 149.4 117.4 176.0  
98 66.0 52.2 78.4

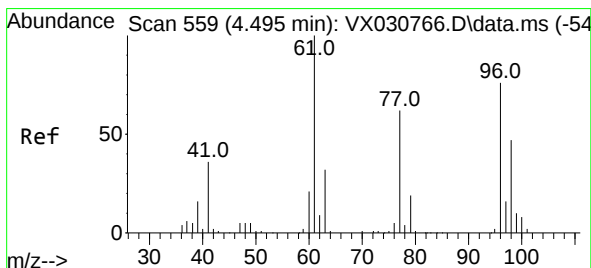
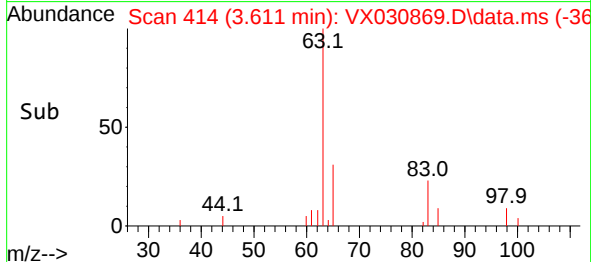
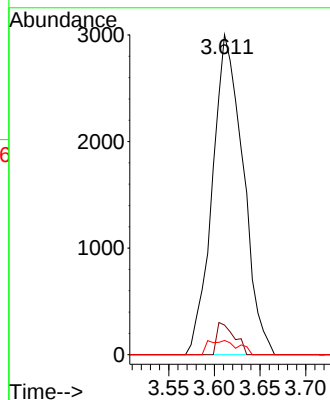
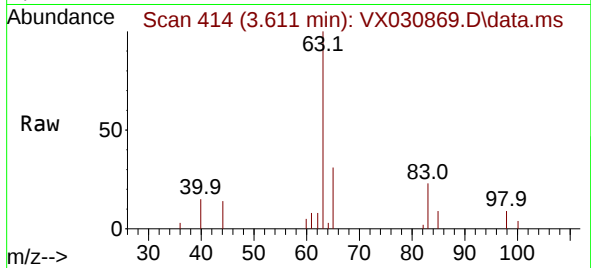




#24  
 1,1-Dichloroethane  
 Concen: 1.699 ug/l  
 RT: 3.611 min Scan# 414  
 Delta R.T. -0.000 min  
 Lab File: VX030869.D  
 Acq: 27 Aug 2022 14:42

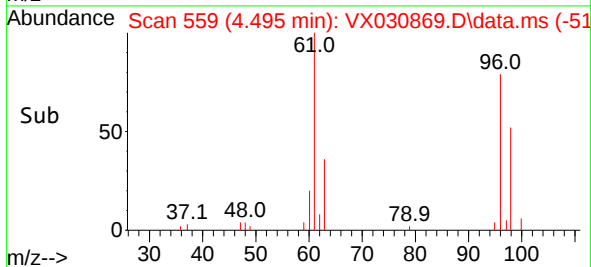
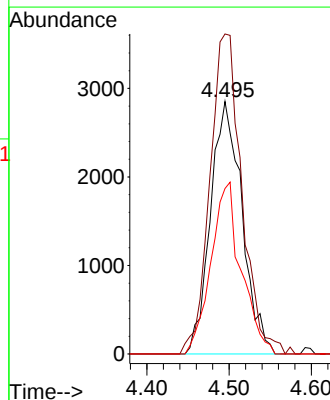
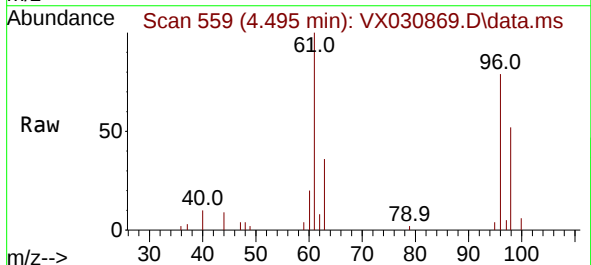
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT101D2-20220824

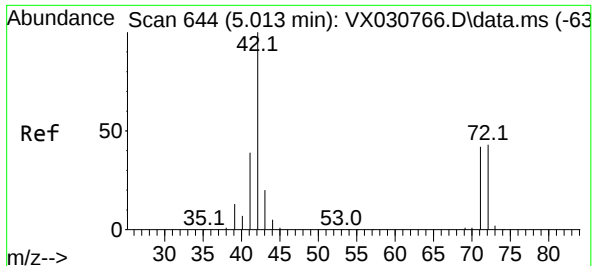
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 7039  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 9.3   | 3.5   | 10.5  |
| 100      | 4.5   | 2.3   | 6.9   |



#27  
 cis-1,2-Dichloroethene  
 Concen: 2.910 ug/l  
 RT: 4.495 min Scan# 559  
 Delta R.T. -0.000 min  
 Lab File: VX030869.D  
 Acq: 27 Aug 2022 14:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 7597  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 128.5 | 0.0   | 270.0 |
| 98       | 65.3  | 0.0   | 127.8 |





#29

Tetrahydrofuran

Concen: 1.102 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX030869.D

Acq: 27 Aug 2022 14:42

Instrument :

MSVOA\_X

ClientSampleId :

TT101D2-20220824

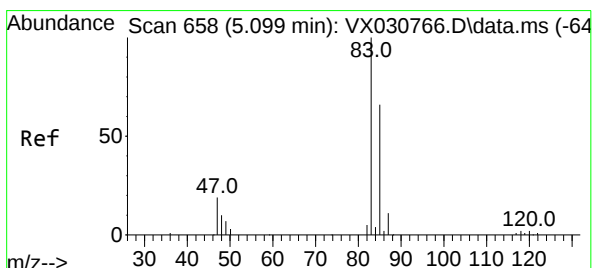
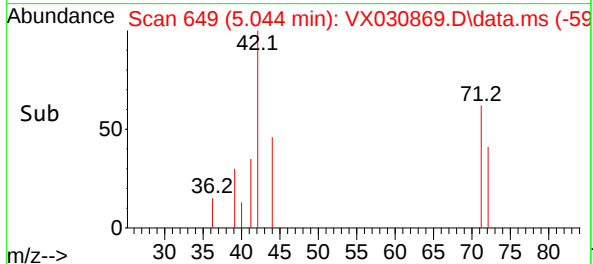
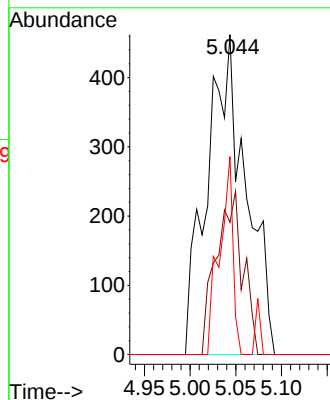
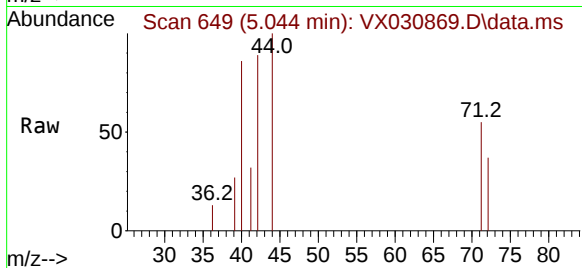
Tgt Ion: 42 Resp: 1367

Ion Ratio Lower Upper

42 100

72 35.0 36.5 54.7#

71 21.4 33.9 50.9#



#30

Chloroform

Concen: 1.149 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.007 min

Lab File: VX030869.D

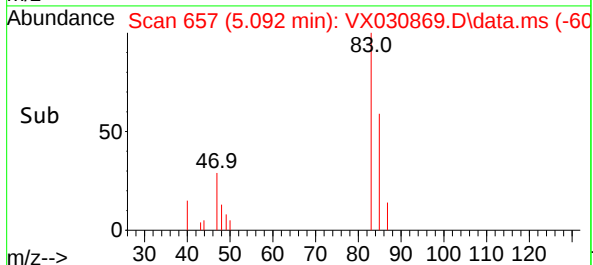
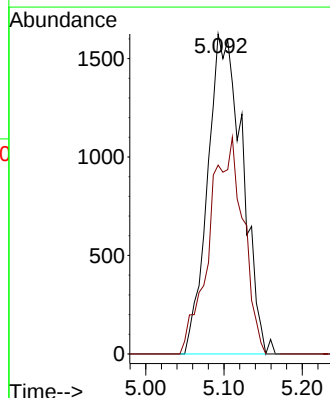
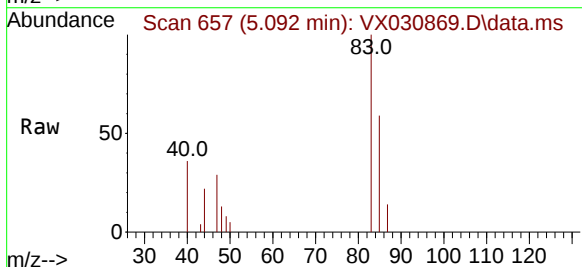
Acq: 27 Aug 2022 14:42

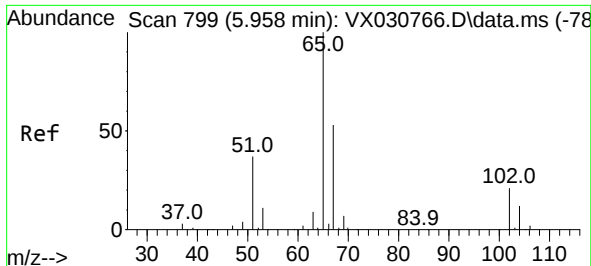
Tgt Ion: 83 Resp: 5010

Ion Ratio Lower Upper

83 100

85 59.0 51.5 77.3





#33

1,2-Dichloroethane-d4

Concen: 55.782 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030869.D

Acq: 27 Aug 2022 14:42

Instrument :

MSVOA\_X

ClientSampleId :

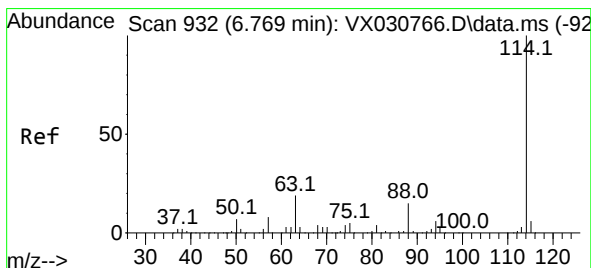
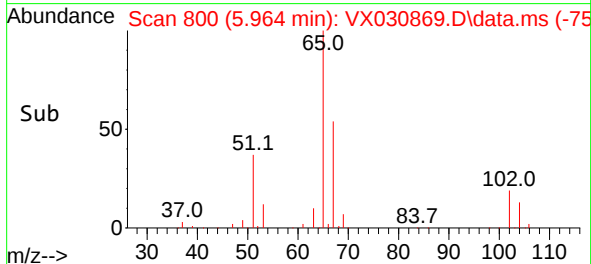
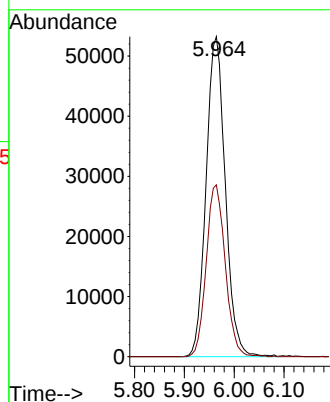
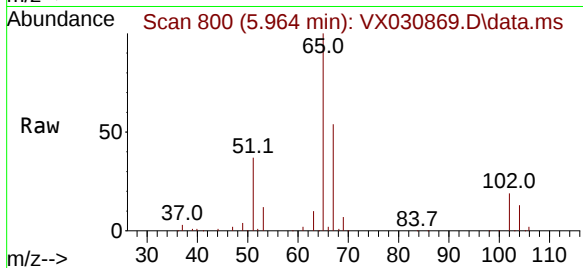
TT101D2-20220824

Tgt Ion: 65 Resp: 142376

Ion Ratio Lower Upper

65 100

67 53.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030869.D

Acq: 27 Aug 2022 14:42

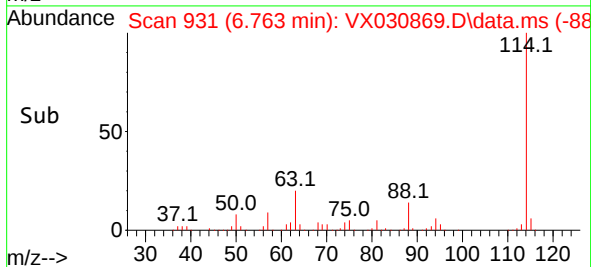
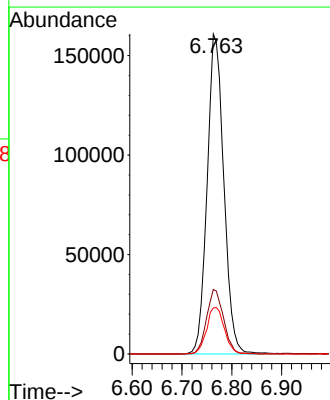
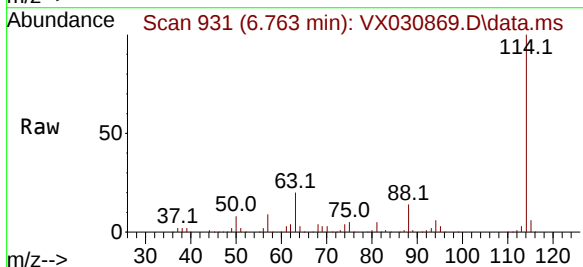
Tgt Ion: 114 Resp: 373460

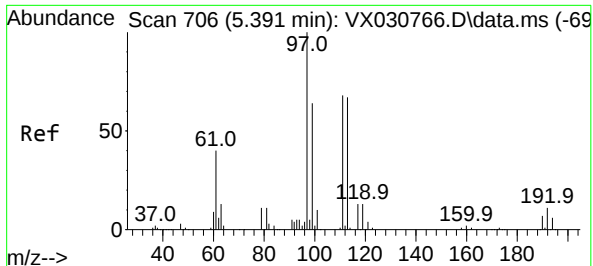
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

88 14.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.958 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030869.D

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Instrument :

MSVOA\_X

ClientSampleId :

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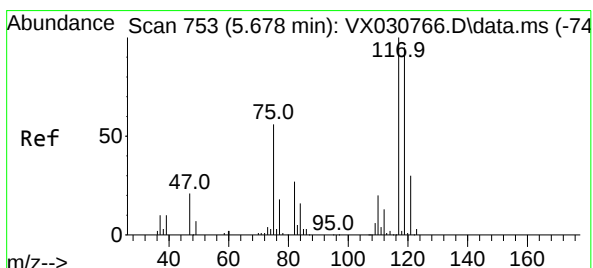
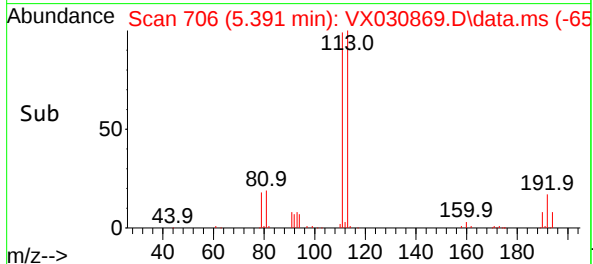
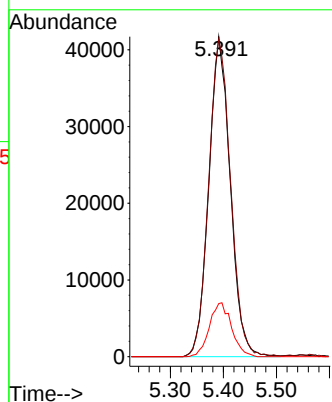
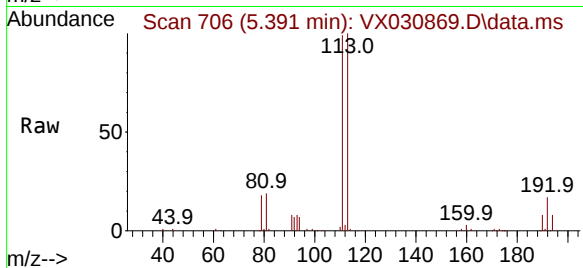
Tgt Ion:113 Resp: 116960

Ion Ratio Lower Upper

113 100

111 101.9 83.2 124.8

192 17.5 14.8 22.2



#38

Carbon Tetrachloride

Concen: 1.460 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.012 min

Lab File: VX030869.D

Acq: 27 Aug 2022 14:42

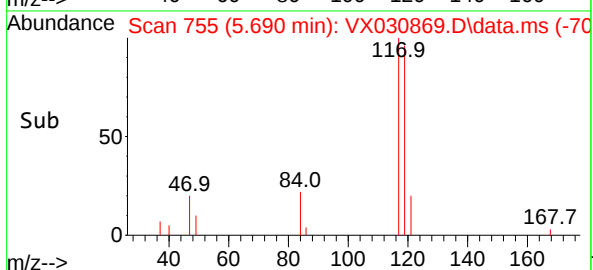
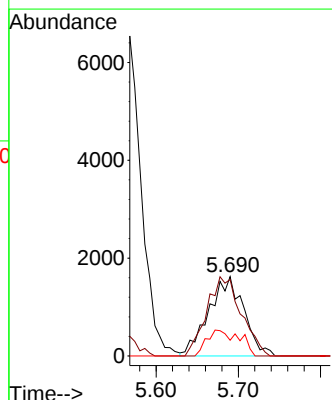
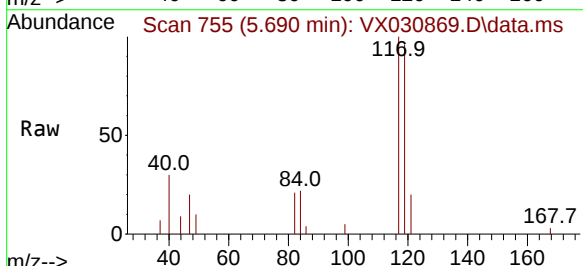
Tgt Ion:117 Resp: 4814

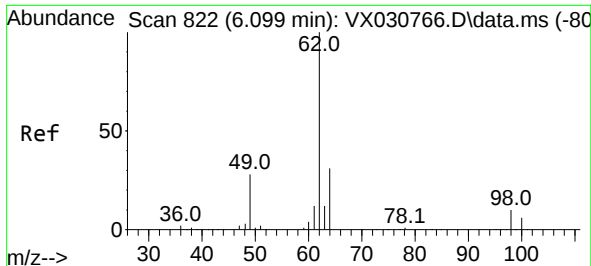
Ion Ratio Lower Upper

117 100

119 96.4 74.1 111.1

121 19.7 25.8 38.8#





#42

1,2-Dichloroethane

Concen: 0.404 ug/l

RT: 6.098 min Scan# 81

Delta R.T. -0.001 min

Lab File: VX030869.D

Acq: 27 Aug 2022 14:42

Instrument :

MSVOA\_X

ClientSampleId :

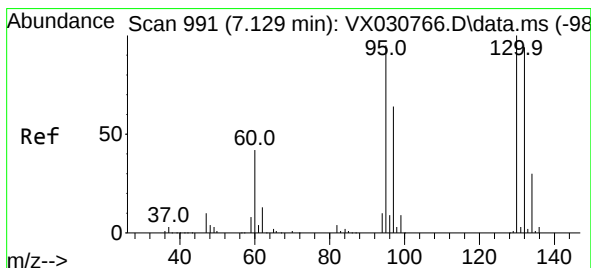
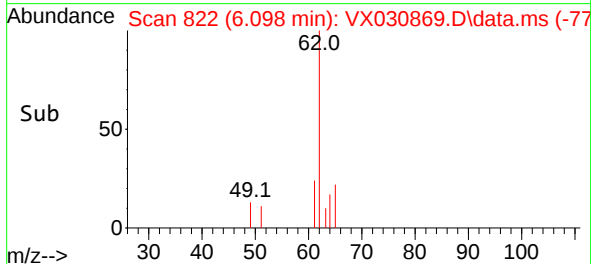
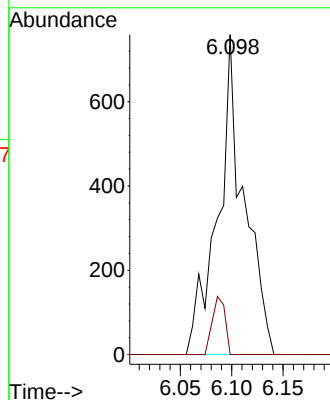
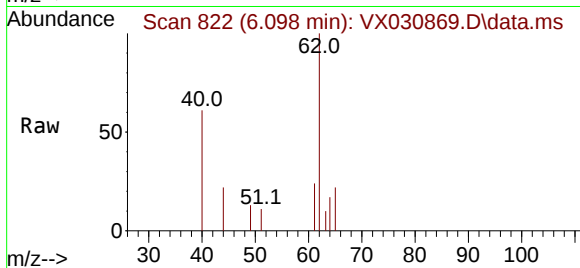
TT101D2-20220824

Tgt Ion: 62 Resp: 1342

Ion Ratio Lower Upper

62 100

98 8.9 0.0 20.2



#44

Trichloroethene

Concen: 1362.925 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX030869.D

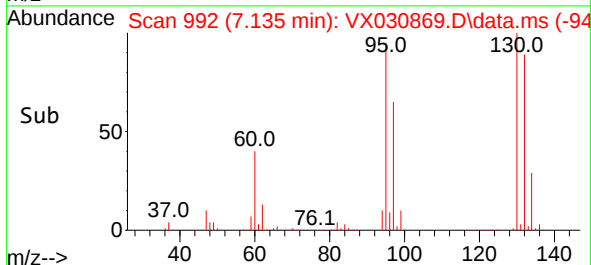
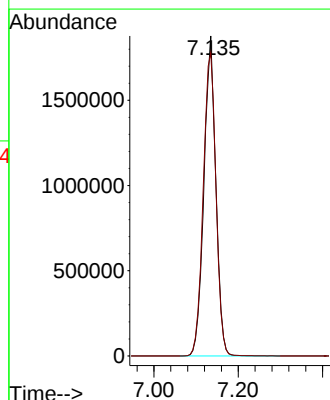
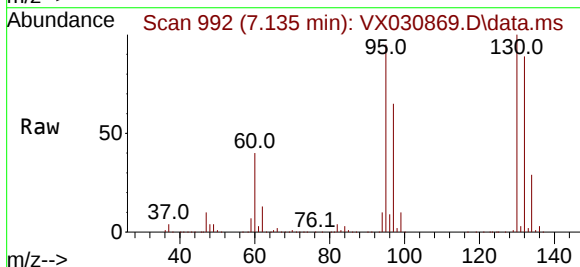
Acq: 27 Aug 2022 14:42

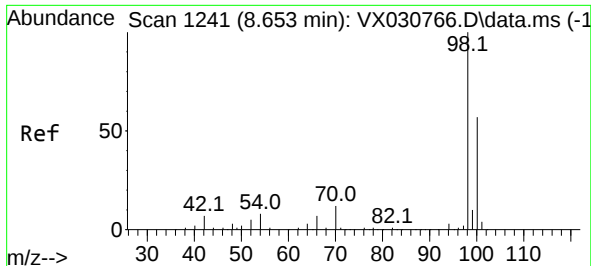
Tgt Ion:130 Resp: 3681990

Ion Ratio Lower Upper

130 100

95 94.8 0.0 194.8

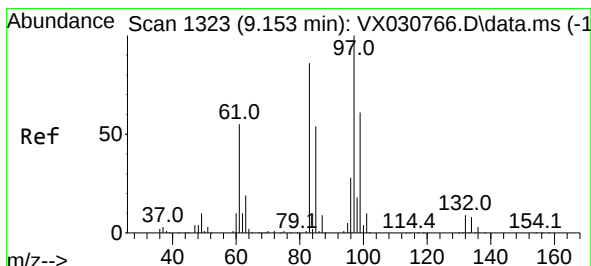
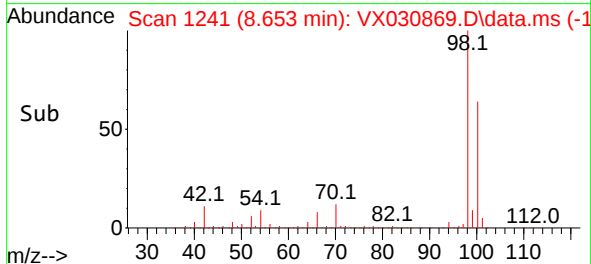
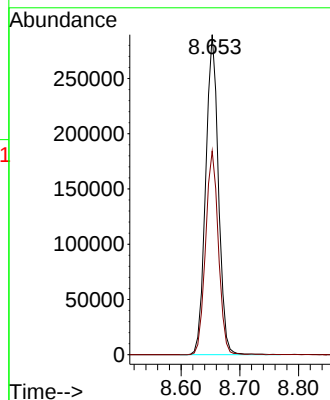
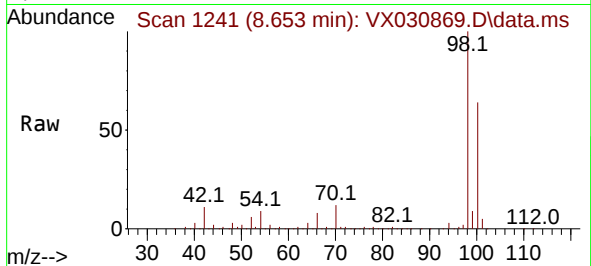




#50  
Toluene-d8  
Concen: 54.640 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX030869.D  
Acq: 27 Aug 2022 14:42

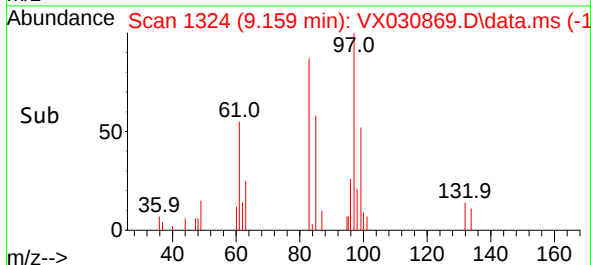
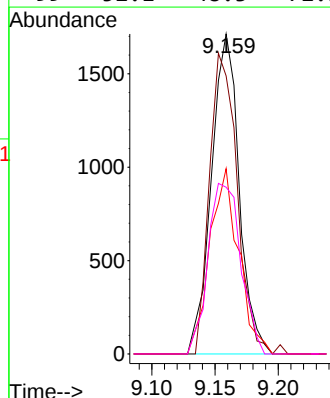
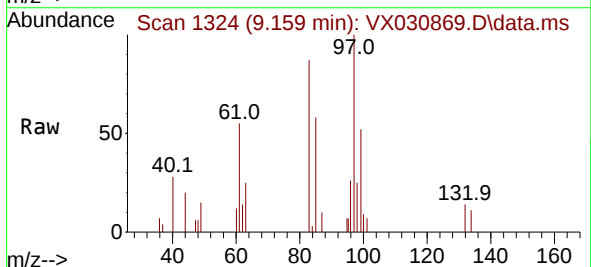
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20220824

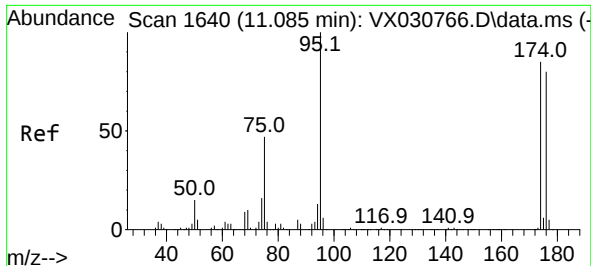
Tgt Ion: 98 Resp: 437014  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.3 78.5



#55  
1,1,2-Trichloroethane  
Concen: 1.008 ug/l  
RT: 9.159 min Scan# 1324  
Delta R.T. 0.006 min  
Lab File: VX030869.D  
Acq: 27 Aug 2022 14:42

Tgt Ion: 97 Resp: 2615  
Ion Ratio Lower Upper  
97 100  
83 86.9 68.9 103.3  
85 57.9 44.0 66.0  
99 52.1 48.3 72.5





#62

4-Bromofluorobenzene

Concen: 50.446 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030869.D

Acq: 27 Aug 2022 14:42

Instrument :

MSVOA\_X

ClientSampleId :

TT101D2-20220824

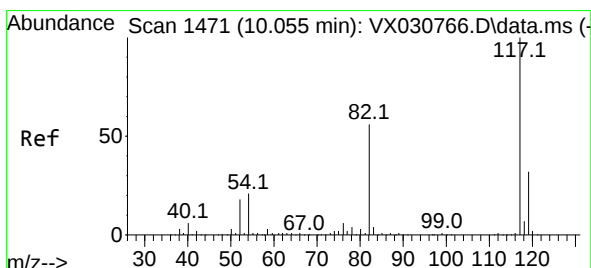
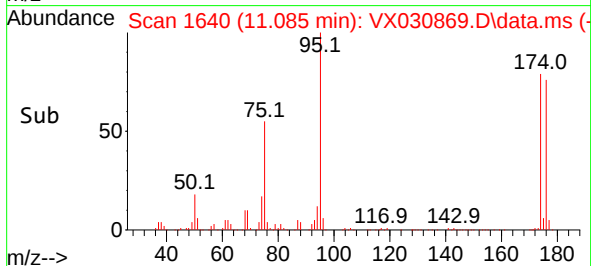
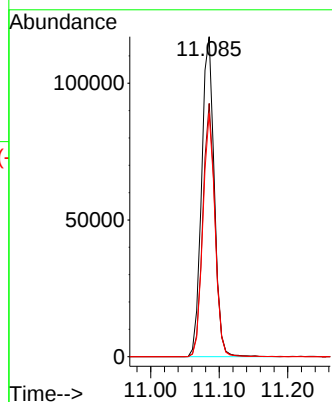
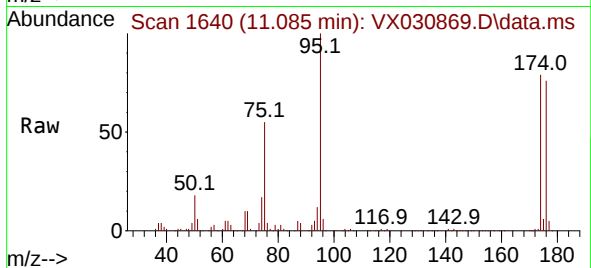
Tgt Ion: 95 Resp: 150213

Ion Ratio Lower Upper

95 100

174 76.8 0.0 149.0

176 72.8 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX030869.D

Acq: 27 Aug 2022 14:42

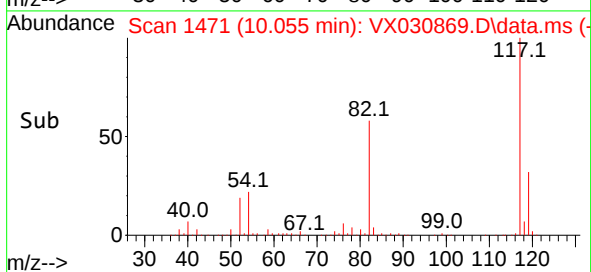
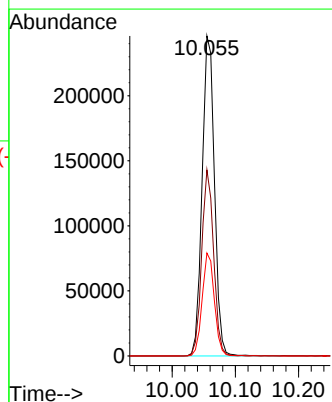
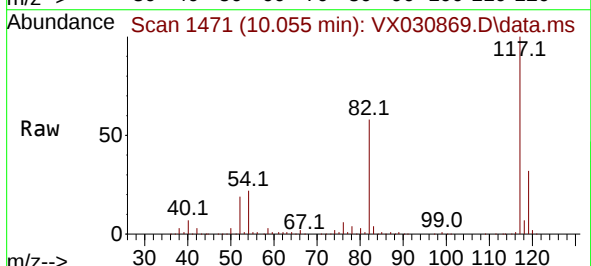
Tgt Ion: 117 Resp: 334377

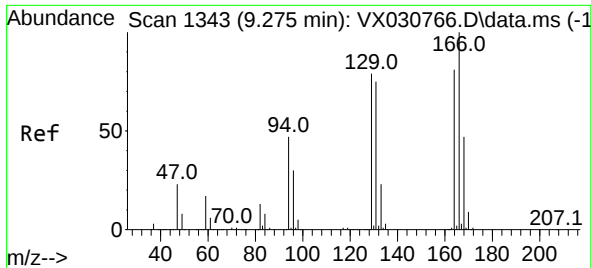
Ion Ratio Lower Upper

117 100

82 58.2 42.7 64.1

119 32.2 25.4 38.2





#64

Tetrachloroethene

Concen: 3.077 ug/l

RT: 9.281 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX030869.D

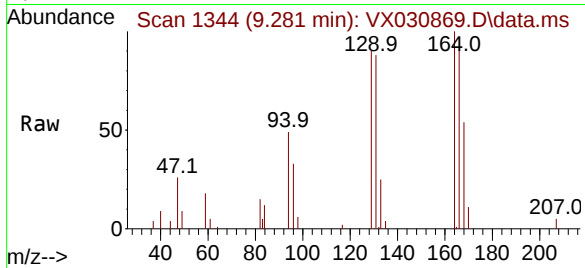
Acq: 27 Aug 2022 14:42

Instrument :

MSVOA\_X

ClientSampleId :

TT101D2-20220824



Tgt Ion:164 Resp: 8106

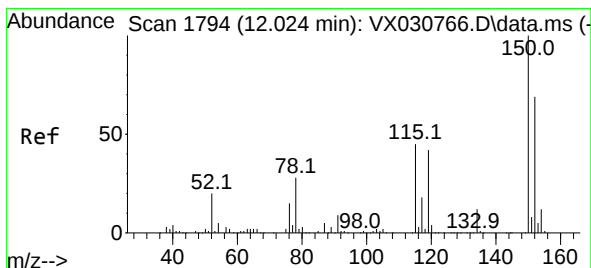
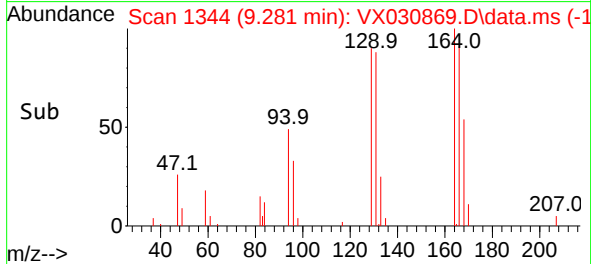
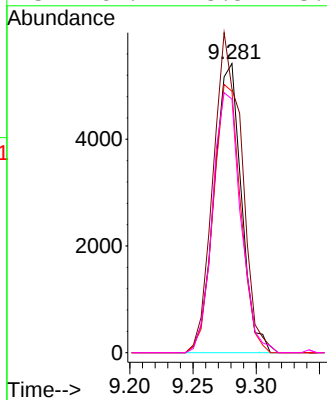
Ion Ratio Lower Upper

164 100

166 91.2 98.2 147.4#

129 90.4 80.8 121.2

131 87.7 75.5 113.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX030869.D

Acq: 27 Aug 2022 14:42

Tgt Ion:152 Resp: 149672

Ion Ratio Lower Upper

152 100

115 59.9 40.5 121.5

150 158.9 0.0 347.0

