

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081823\  
 Data File : VX037107.D  
 Acq On : 19 Aug 2023 04:26  
 Operator : JC/MD  
 Sample : 04047-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-20230816

Quant Time: Aug 21 01:40:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

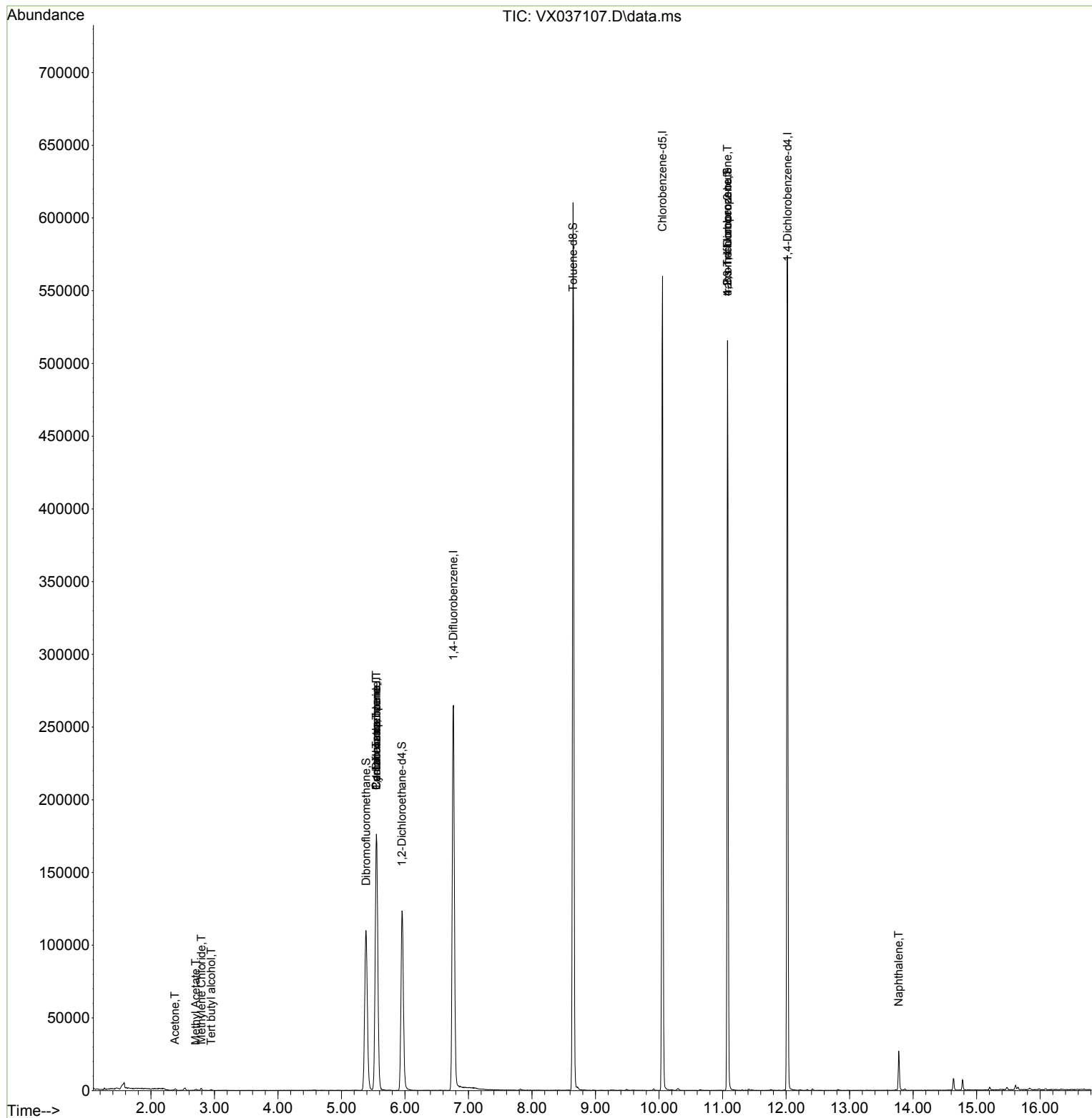
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.549          | 168  | 165230              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 281475              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 255178              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 119787              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 124721              | 52.358 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 104.720% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 97467               | 52.285 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 104.580% |        |        |          |
| 50) Toluene-d8                | 8.646          | 98   | 361913              | 53.522 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 107.040% |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 136801              | 51.480 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 102.960% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        |          |
|                               |                |      |                     |        | Qvalue |          |
| 11) Tert butyl alcohol        | 2.946          | 59   | 222                 | 0.397  | ug/l # | 78       |
| 16) Acetone                   | 2.379          | 43   | 1281                | 1.375  | ug/l   | 98       |
| 18) Methyl Acetate            | 2.702          | 43   | 1157                | 0.330  | ug/l   | 97       |
| 20) Methylene Chloride        | 2.794          | 84   | 657                 | 0.315  | ug/l   | 87       |
| 31) Cyclohexane               | 5.549          | 56   | 3374                | 1.260  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.549          | 75   | 13650               | 5.154  | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.549          | 117  | 17893               | 6.219  | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 70288               | 27.552 | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 70288               | 76.955 | ug/l # | 5        |
| 95) Naphthalene               | 13.774         | 128  | 18604               | 1.862  | ug/l   | 99       |
| -----                         |                |      |                     |        |        |          |

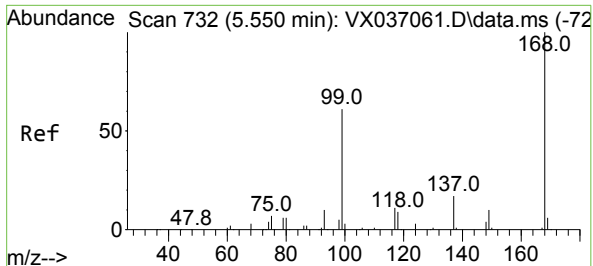
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 42 Sample Multiplier: 1

Instrument :  
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TB-20230816

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Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration

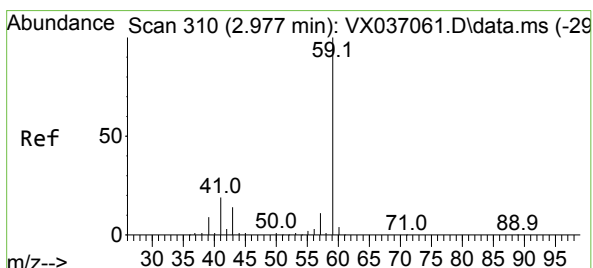
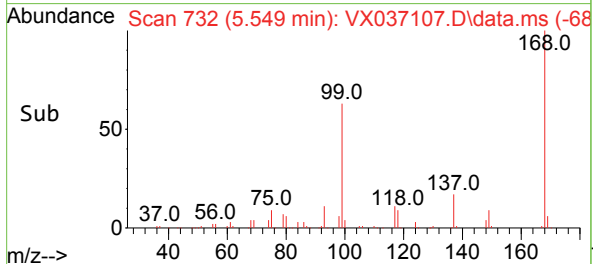
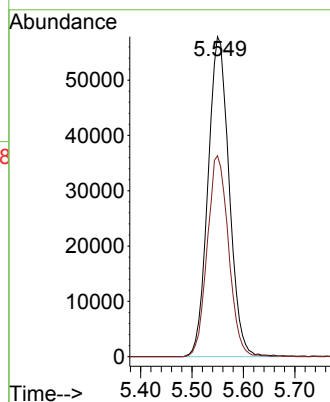
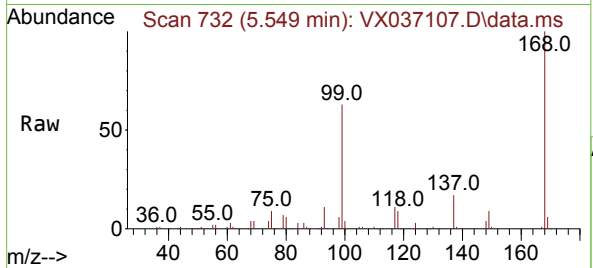




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX037107.D  
Acq: 19 Aug 2023 04:26

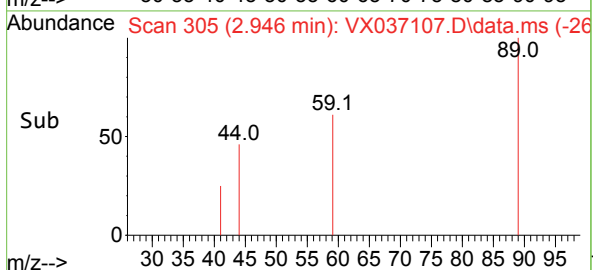
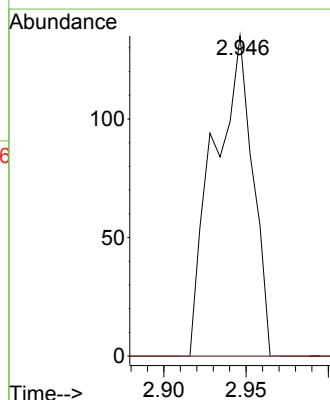
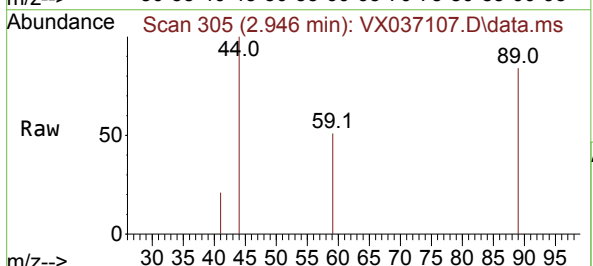
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-20230816

Tgt Ion:168 Resp: 165230  
Ion Ratio Lower Upper  
168 100  
99 62.8 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 0.397 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.031 min  
Lab File: VX037107.D  
Acq: 19 Aug 2023 04:26

Tgt Ion: 59 Resp: 222  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#





#16

Acetone

Concen: 1.375 ug/l

RT: 2.379 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX037107.D

Acq: 19 Aug 2023 04:26

Instrument :

MSVOA\_X

ClientSampleId :

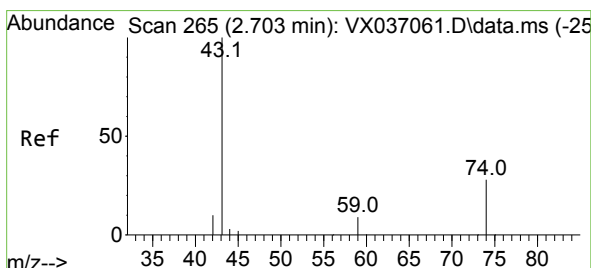
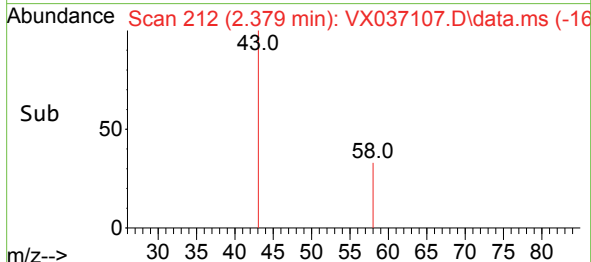
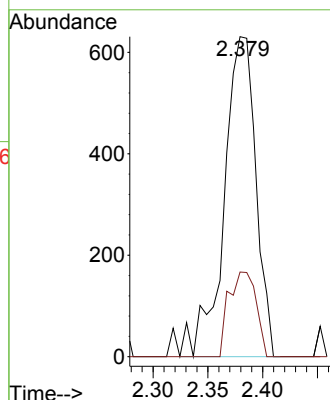
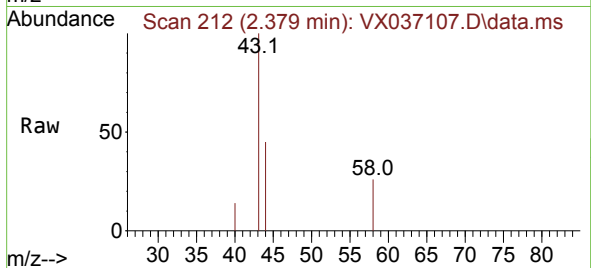
TB-20230816

Tgt Ion: 43 Resp: 1281

Ion Ratio Lower Upper

43 100

58 26.5 21.9 32.9



#18

Methyl Acetate

Concen: 0.330 ug/l

RT: 2.702 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX037107.D

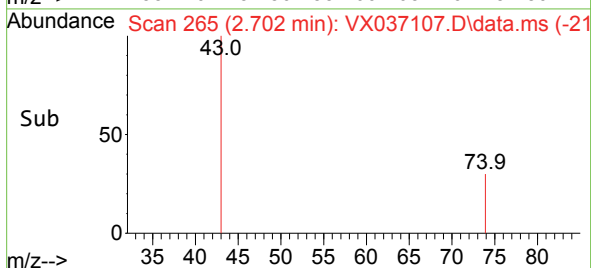
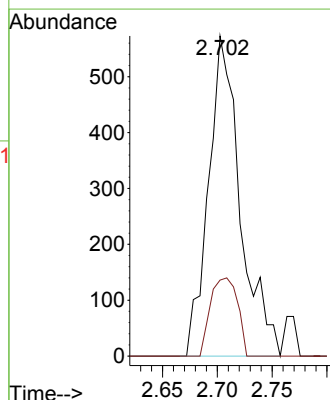
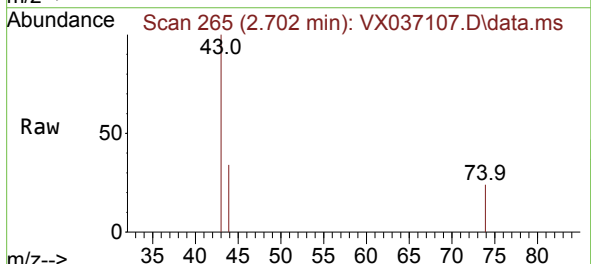
Acq: 19 Aug 2023 04:26

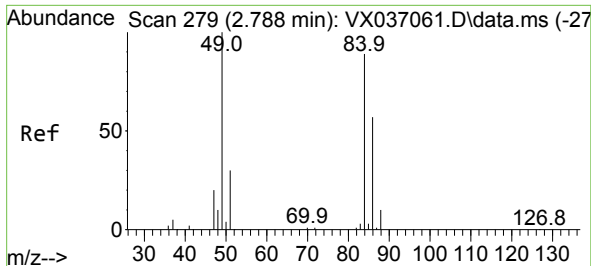
Tgt Ion: 43 Resp: 1157

Ion Ratio Lower Upper

43 100

74 20.8 17.8 26.8





#20

Methylene Chloride

Concen: 0.315 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX037107.D

Acq: 19 Aug 2023 04:26

Instrument :

MSVOA\_X

ClientSampleId :

TB-20230816

Tgt Ion: 84 Resp: 657

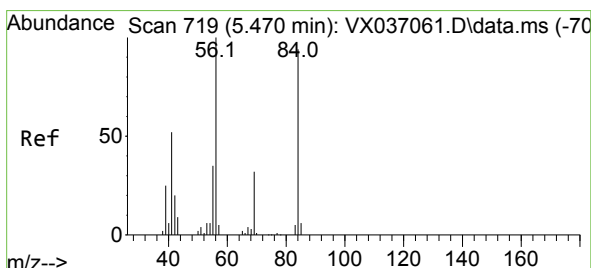
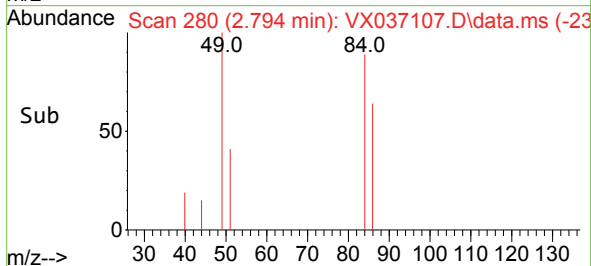
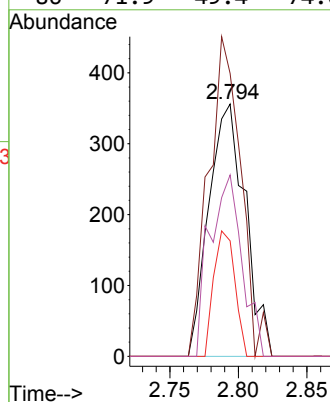
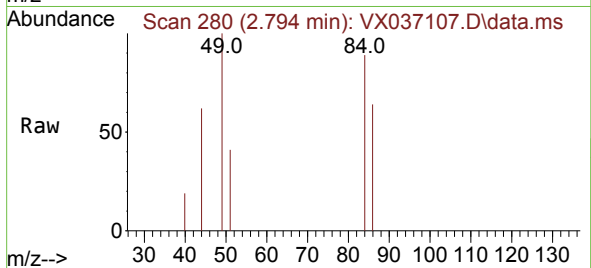
Ion Ratio Lower Upper

84 100

49 112.1 103.6 155.4

51 45.8 33.8 50.6

86 71.9 49.4 74.0



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037107.D

Acq: 19 Aug 2023 04:26

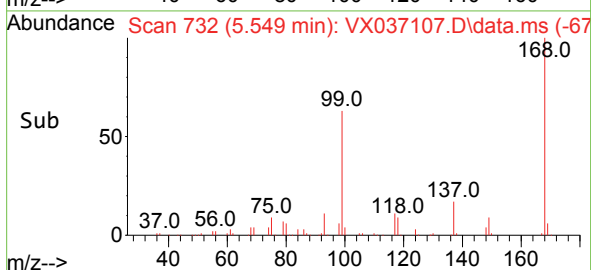
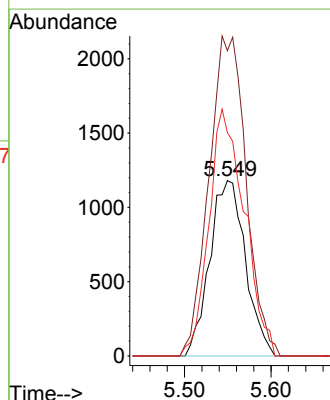
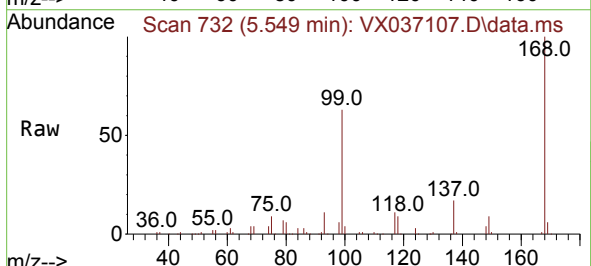
Tgt Ion: 56 Resp: 3374

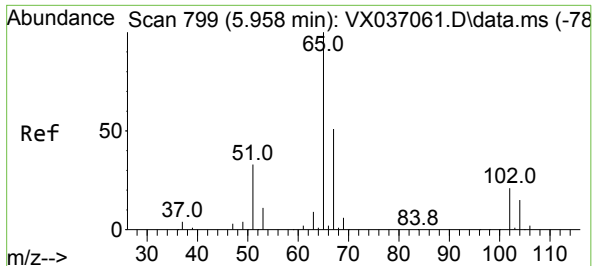
Ion Ratio Lower Upper

56 100

69 174.2 23.4 35.2#

84 127.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 52.358 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037107.D

Acq: 19 Aug 2023 04:26

Instrument :

MSVOA\_X

ClientSampleId :

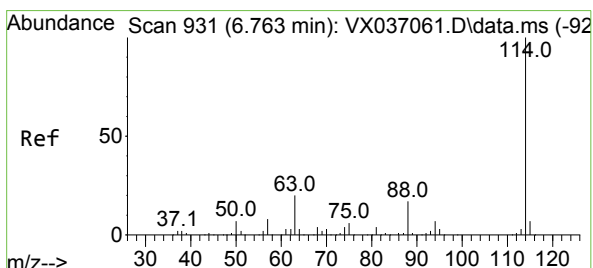
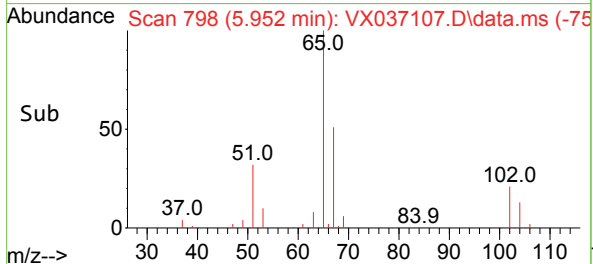
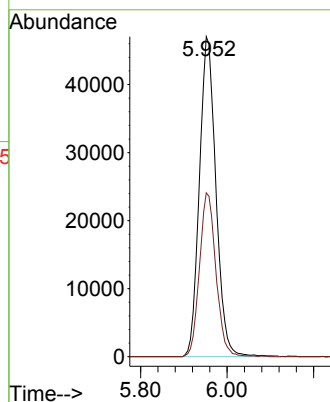
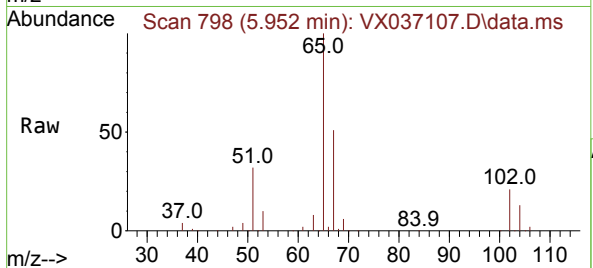
TB-20230816

Tgt Ion: 65 Resp: 124721

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037107.D

Acq: 19 Aug 2023 04:26

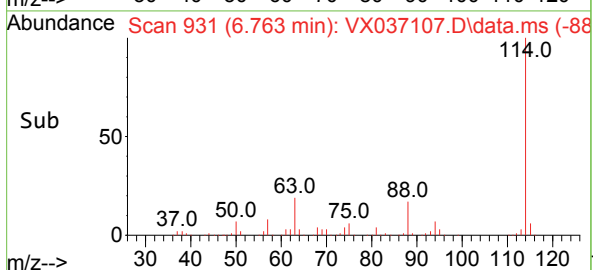
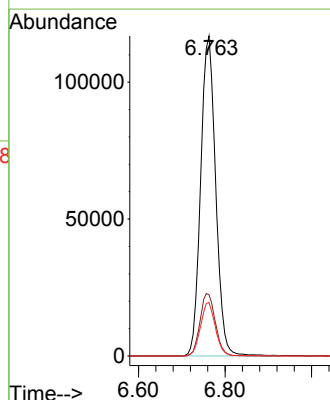
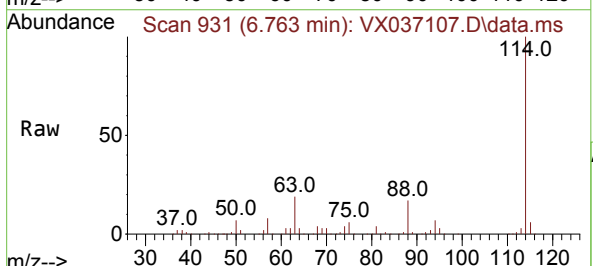
Tgt Ion: 114 Resp: 281475

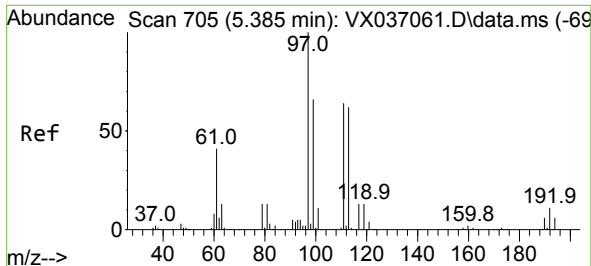
Ion Ratio Lower Upper

114 100

63 19.1 0.0 45.0

88 16.7 0.0 36.6

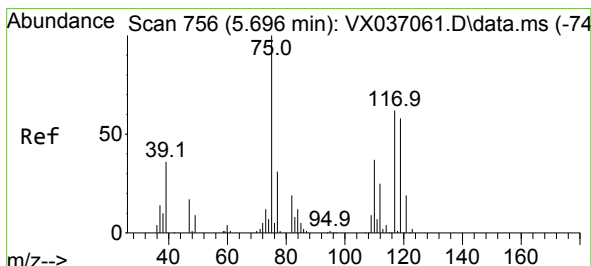
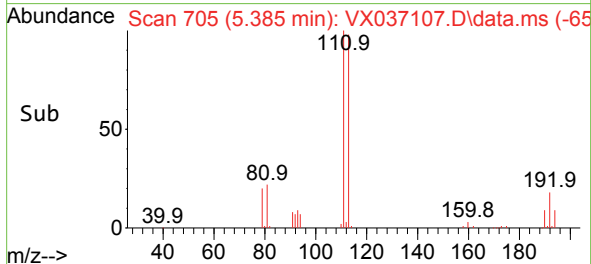
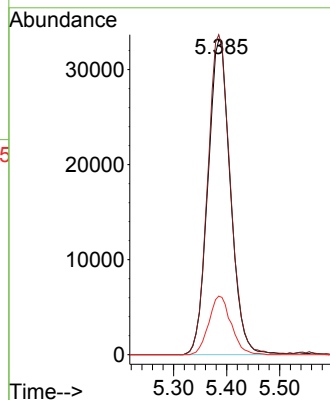
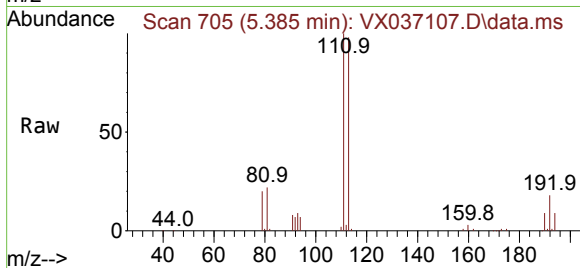




#35  
 Dibromofluoromethane  
 Concen: 52.285 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. -0.000 min  
 Lab File: VX037107.D  
 Acq: 19 Aug 2023 04:26

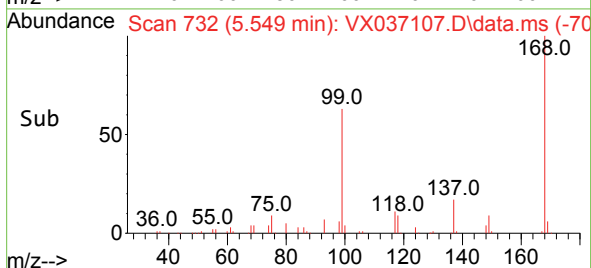
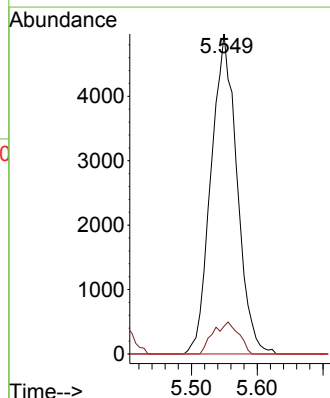
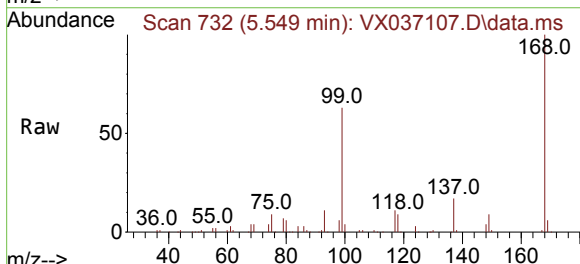
Instrument :  
 MSVOA\_X  
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 TB-20230816

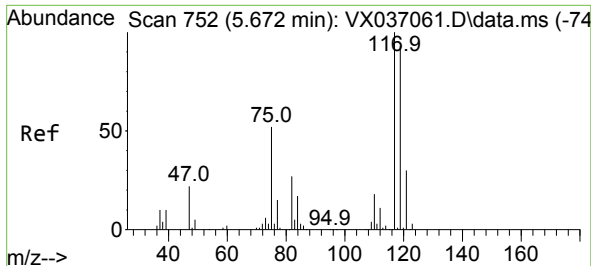
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 97467 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.4 | 82.9  | 124.3 |
| 192      | 18.5  | 13.3  | 19.9  |



#36  
 1,1-Dichloropropene  
 Concen: 5.154 ug/l  
 RT: 5.549 min Scan# 732  
 Delta R.T. -0.147 min  
 Lab File: VX037107.D  
 Acq: 19 Aug 2023 04:26

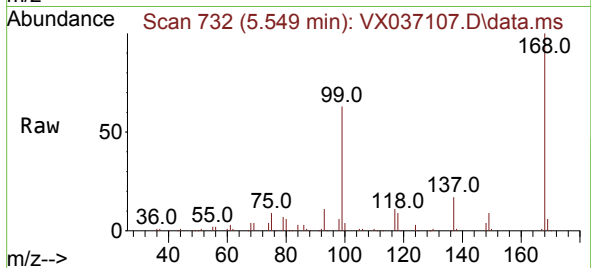
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13650 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.8   | 17.0  | 50.9# |
| 77       | 0.0   | 24.7  | 37.1# |



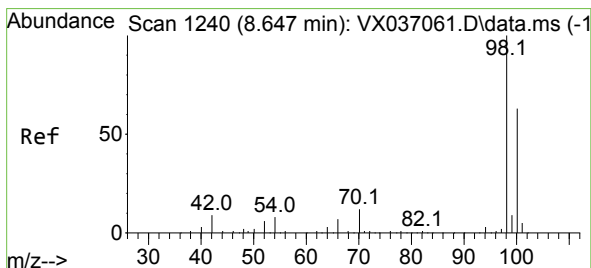
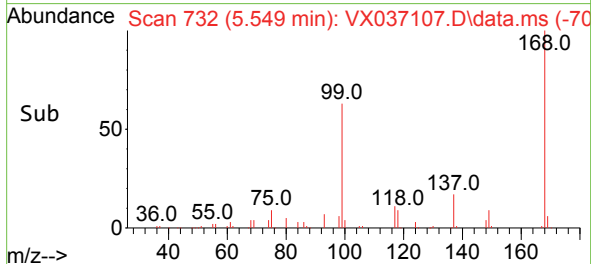
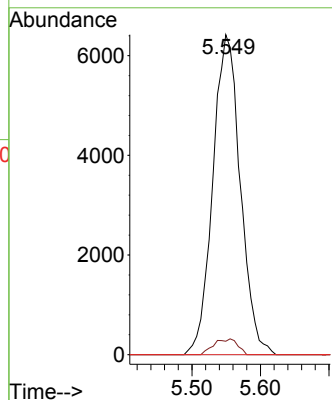


#38  
Carbon Tetrachloride  
Concen: 6.219 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX037107.D  
Acq: 19 Aug 2023 04:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-20230816

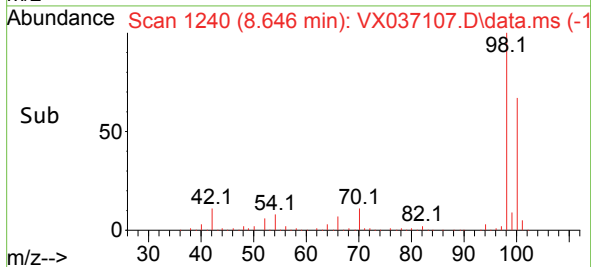
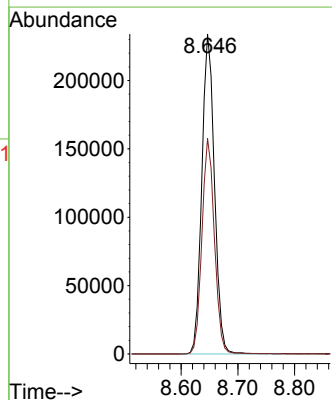
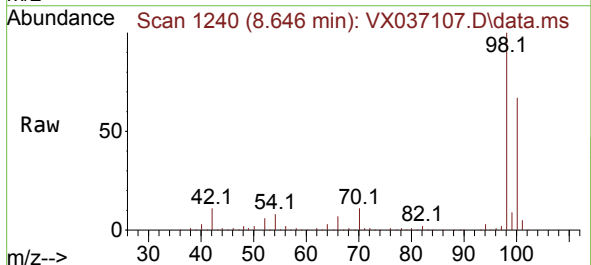


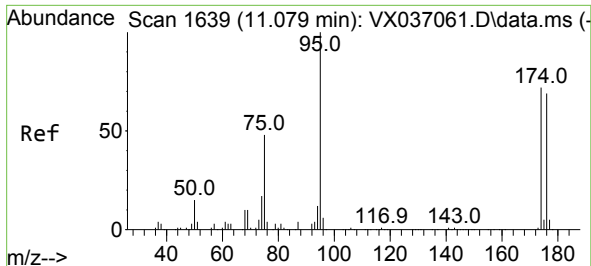
Tgt Ion:117 Resp: 17893  
Ion Ratio Lower Upper  
117 100  
119 4.2 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 53.522 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX037107.D  
Acq: 19 Aug 2023 04:26

Tgt Ion: 98 Resp: 361913  
Ion Ratio Lower Upper  
98 100  
100 66.5 53.1 79.7

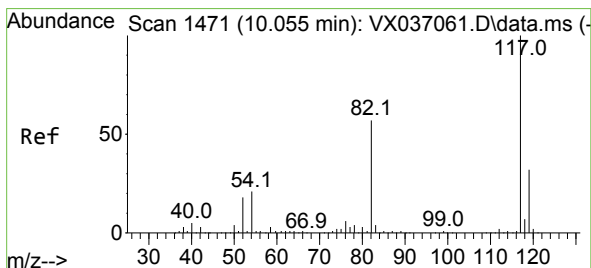
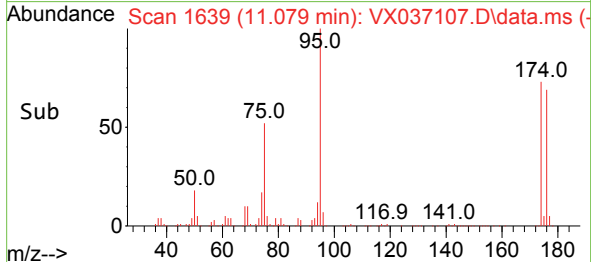
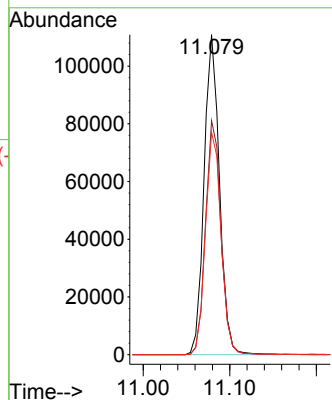
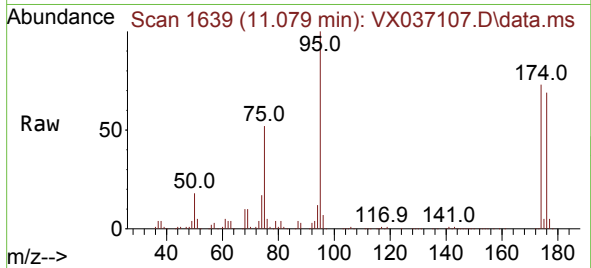




#62  
4-Bromofluorobenzene  
Concen: 51.480 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037107.D  
Acq: 19 Aug 2023 04:26

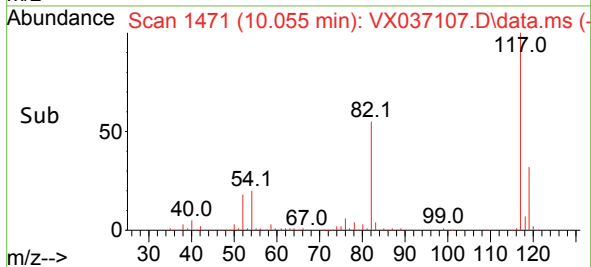
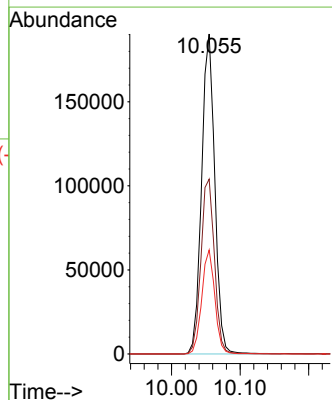
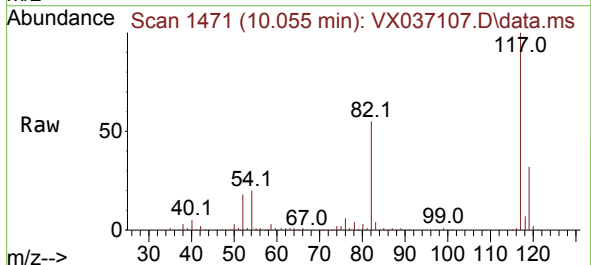
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-20230816

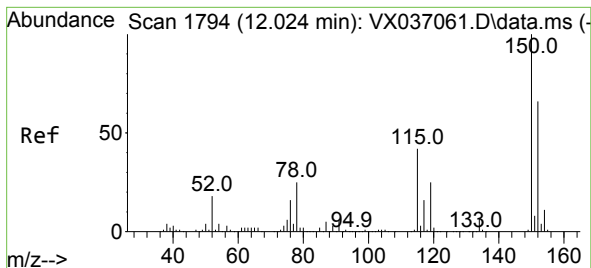
Tgt Ion: 95 Resp: 136801  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 135.6  
176 70.7 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037107.D  
Acq: 19 Aug 2023 04:26

Tgt Ion: 117 Resp: 255178  
Ion Ratio Lower Upper  
117 100  
82 54.6 46.2 69.4  
119 32.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037107.D

Acq: 19 Aug 2023 04:26

Instrument :

MSVOA\_X

ClientSampleId :

TB-20230816

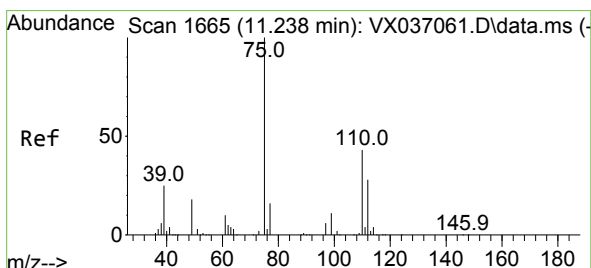
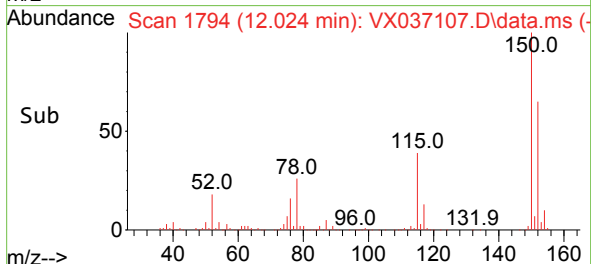
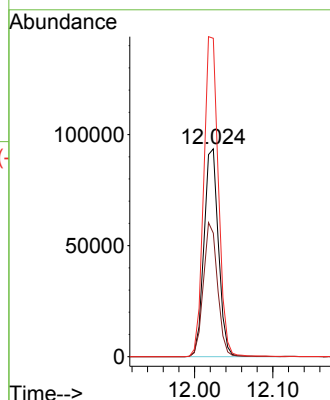
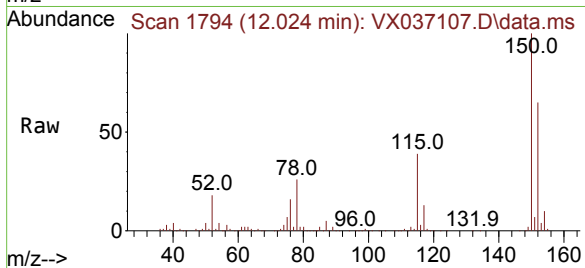
Tgt Ion:152 Resp: 119787

Ion Ratio Lower Upper

152 100

115 63.3 43.3 129.9

150 156.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.552 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037107.D

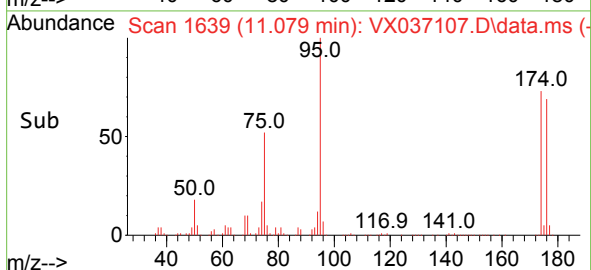
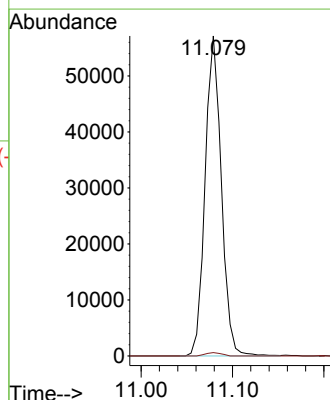
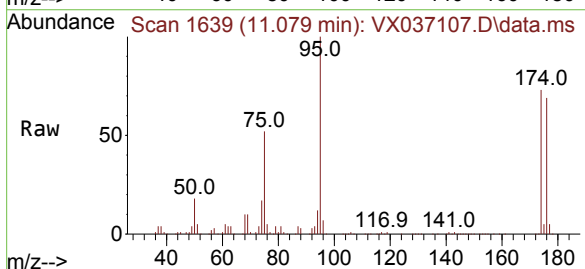
Acq: 19 Aug 2023 04:26

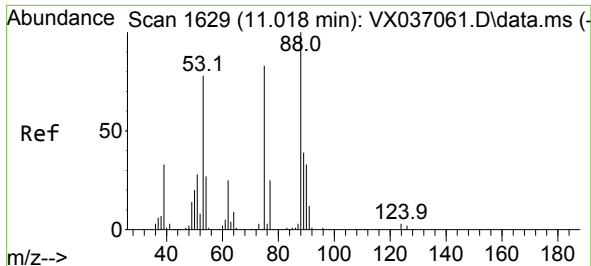
Tgt Ion: 75 Resp: 70288

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

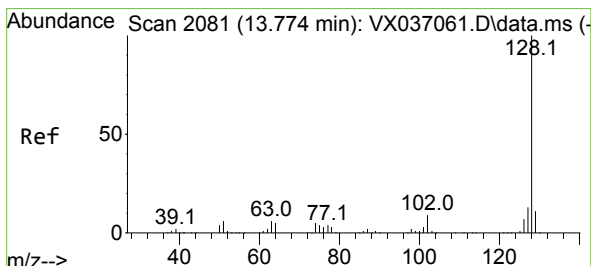
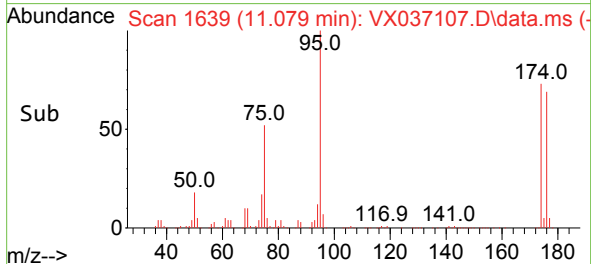
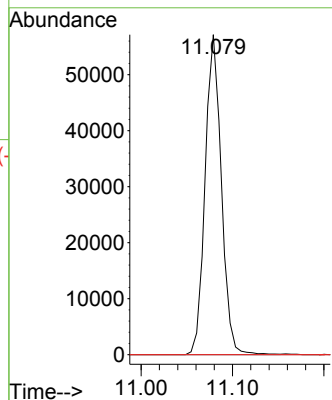
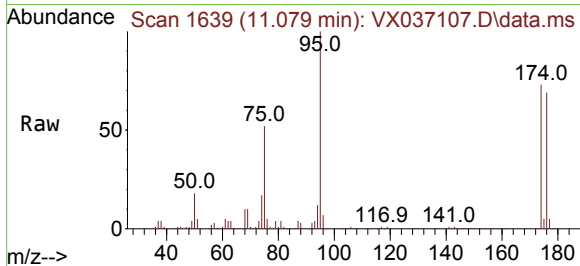




#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.955 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX037107.D  
Acq: 19 Aug 2023 04:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-20230816

Tgt Ion: 75 Resp: 70288  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#



#95  
Naphthalene  
Concen: 1.862 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX037107.D  
Acq: 19 Aug 2023 04:26

Tgt Ion: 128 Resp: 18604  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.3 15.5  
129 10.3 8.8 13.2

