

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062123\  
 Data File : VX036280.D  
 Acq On : 21 Jun 2023 18:52  
 Operator : JC/MD  
 Sample : 03366-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Jun 22 05:03:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 16 16:28:40 2023  
 Response via : Initial Calibration

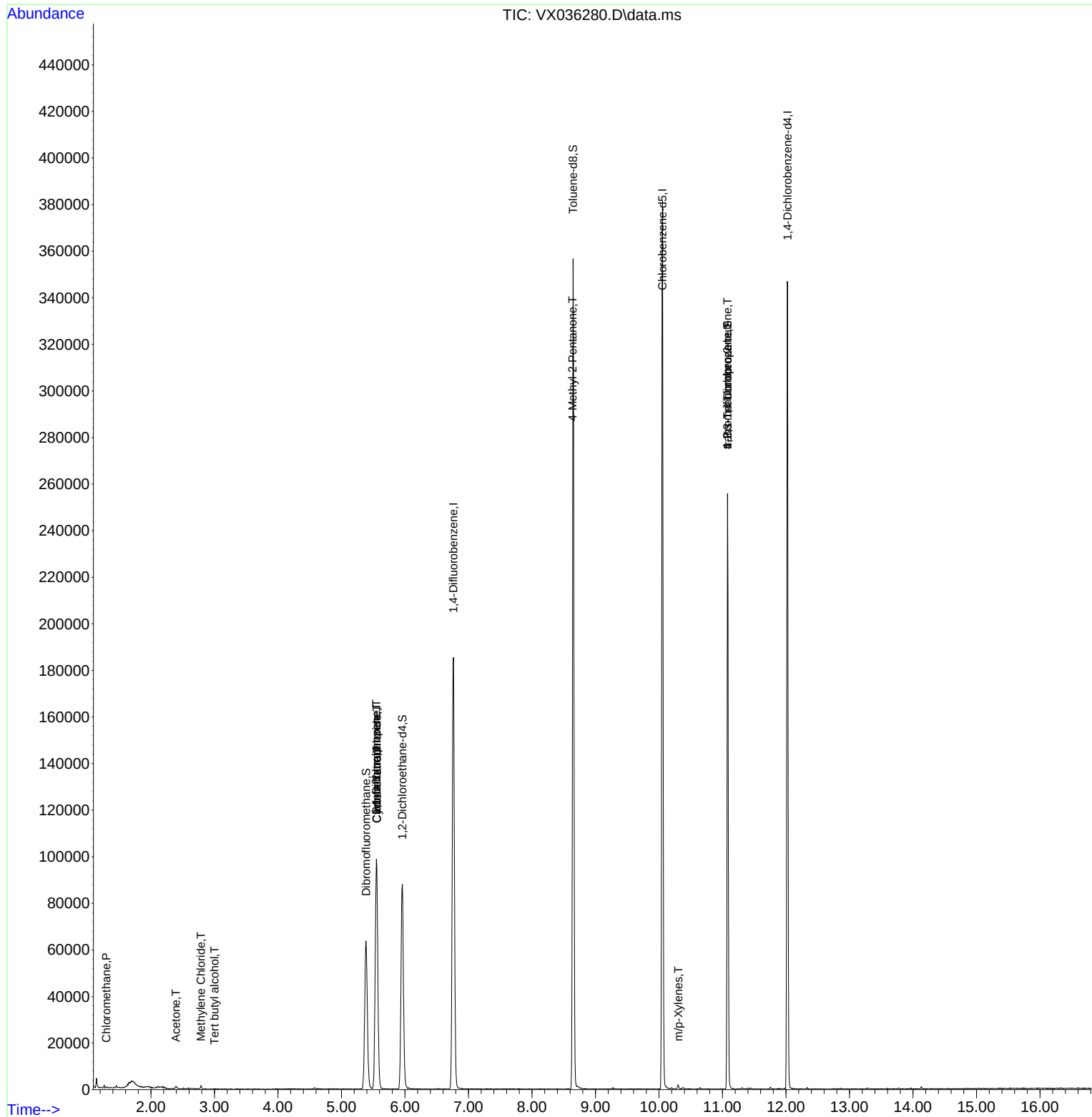
| Compound                      | R.T.           | QIon | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------|------------|--------|----------|
| -----                         |                |      |          |            |        |          |
| Internal Standards            |                |      |          |            |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 85391    | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 179532   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 166284   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 66060    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 85142    | 54.562     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery | = 109.120% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 54880    | 45.078     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery | = 90.160%  |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 193161   | 43.375     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery | = 86.760%# |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 64551    | 35.909     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery | = 71.820%# |        |          |
| Target Compounds              |                |      |          |            |        |          |
|                               |                |      |          |            | Qvalue |          |
| 3) Chloromethane              | 1.295          | 50   | 275      | 0.248      | ug/l # | 43       |
| 11) Tert butyl alcohol        | 3.002          | 59   | 87       | 0.365      | ug/l # | 78       |
| 16) Acetone                   | 2.392          | 43   | 1358     | 2.095      | ug/l   | 100      |
| 20) Methylene Chloride        | 2.788          | 84   | 379      | 0.323      | ug/l # | 71       |
| 31) Cyclohexane               | 5.556          | 56   | 2550     | 1.523      | ug/l # | 33       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 8353     | 4.658      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 9491     | 5.444      | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.641          | 43   | 1093     | 0.541      | ug/l # | 1        |
| 68) m/p-Xylenes               | 10.305         | 106  | 563      | 0.242      | ug/l   | 85       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 37854    | 24.145     | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 37854    | 84.512     | ug/l # | 5        |
| -----                         |                |      |          |            |        |          |

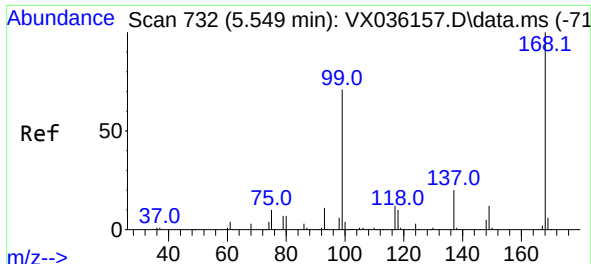
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062123\  
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ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

Quant Time: Jun 22 05:03:50 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 16 16:28:40 2023  
Response via : Initial Calibration

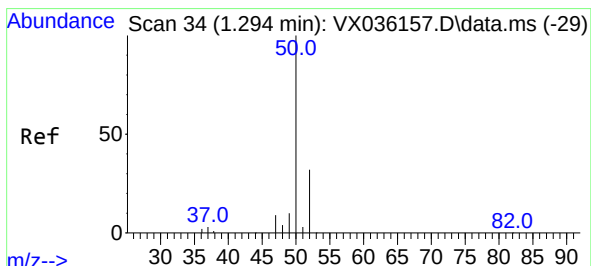
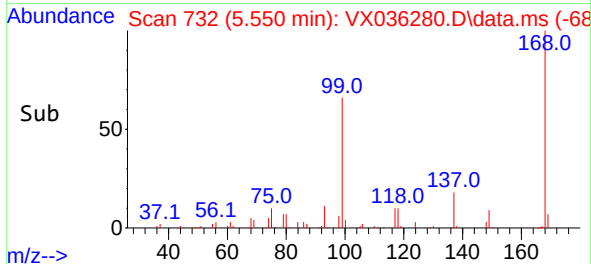
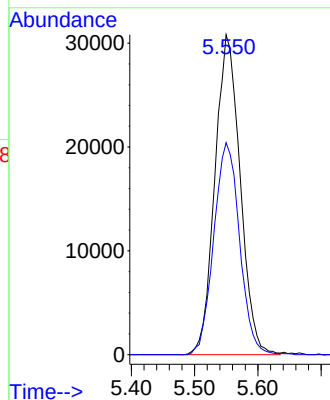
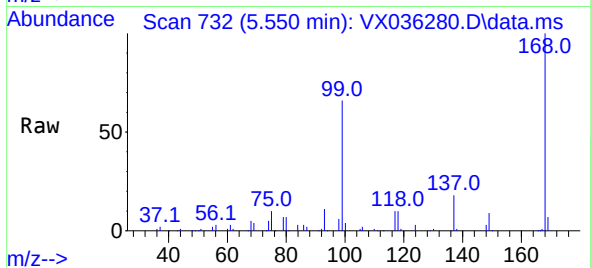




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

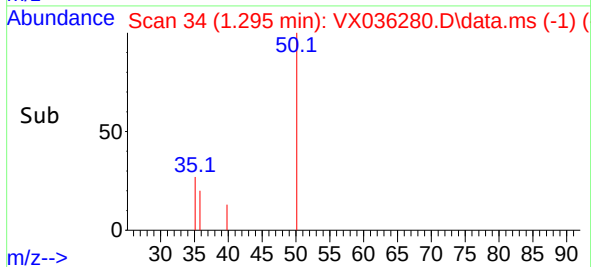
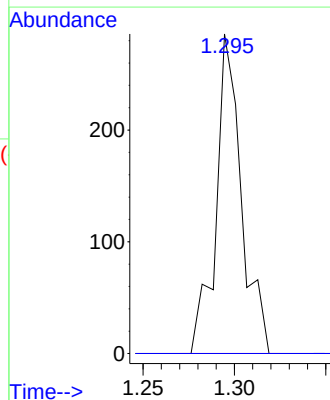
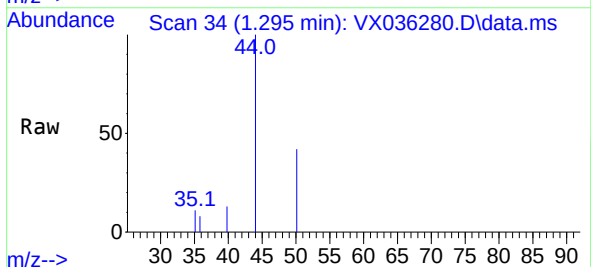
Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

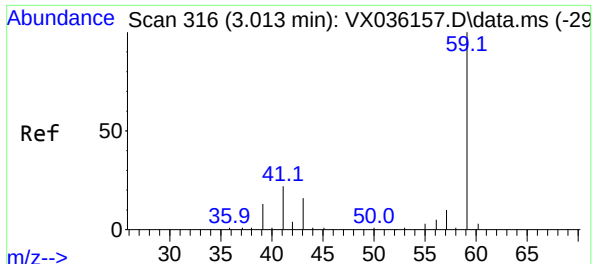
Tgt Ion:168 Resp: 85391  
Ion Ratio Lower Upper  
168 100  
99 66.3 56.6 85.0



#3  
Chloromethane  
Concen: 0.248 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. 0.001 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

Tgt Ion: 50 Resp: 275  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.5 38.3#





#11

Tert butyl alcohol

Concen: 0.365 ug/l

RT: 3.002 min Scan# 31

Delta R.T. -0.011 min

Lab File: VX036280.D

Acq: 21 Jun 2023 18:52

Instrument :

MSVOA\_X

ClientSampleId :

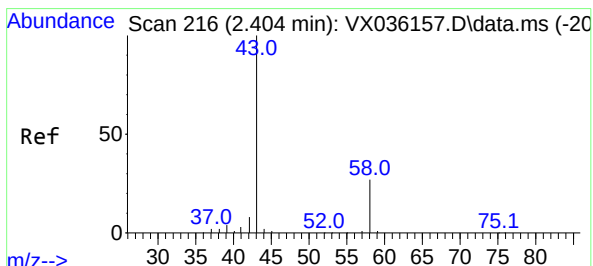
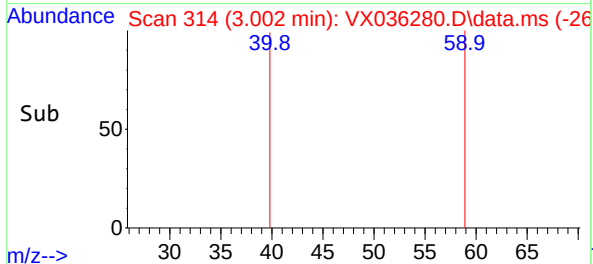
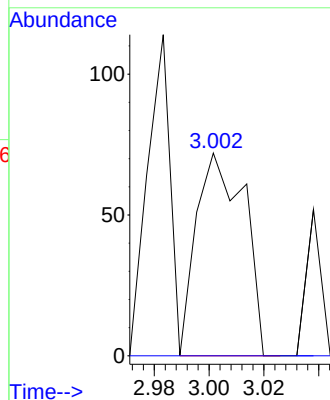
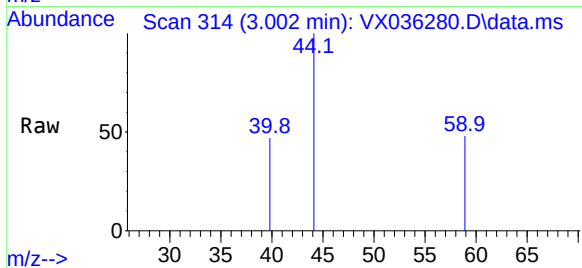
TRIP-BLANK

Tgt Ion: 59 Resp: 87

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 2.095 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX036280.D

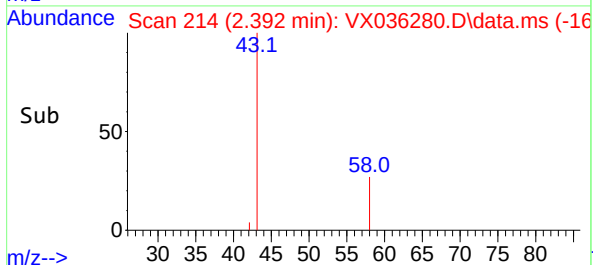
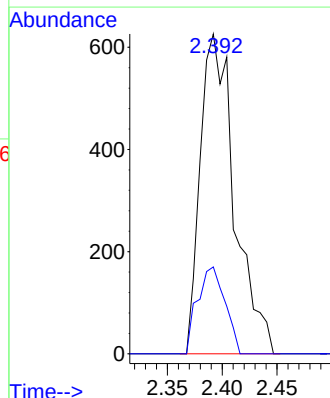
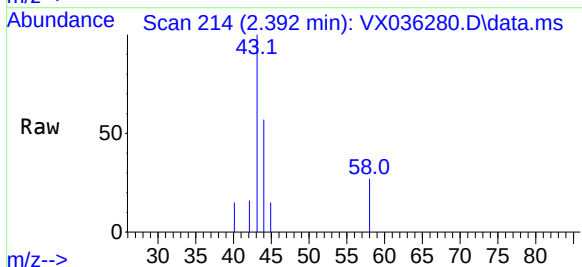
Acq: 21 Jun 2023 18:52

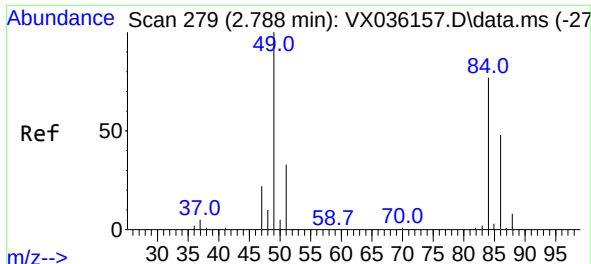
Tgt Ion: 43 Resp: 1358

Ion Ratio Lower Upper

43 100

58 27.2 21.9 32.9



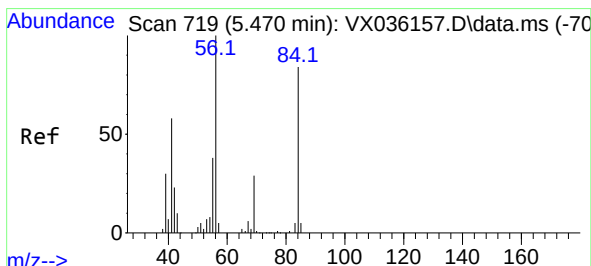
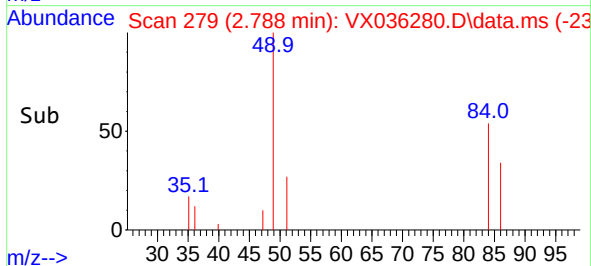
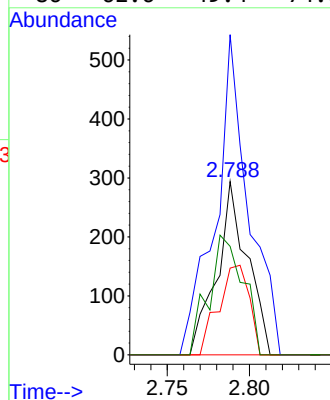
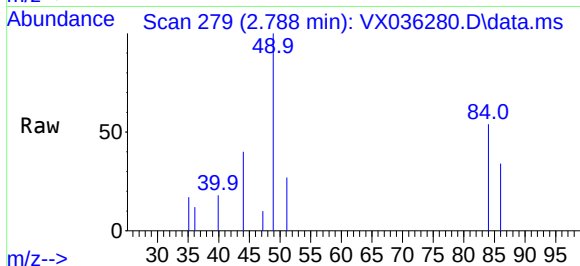


#20  
Methylene Chloride  
Concen: 0.323 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

Tgt Ion: 84 Resp: 379

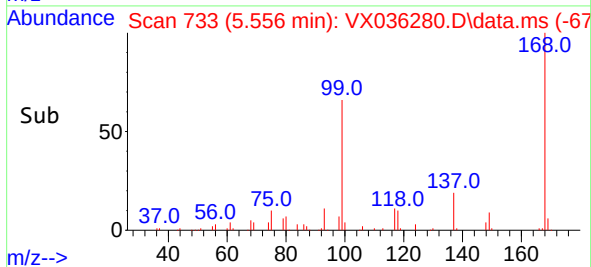
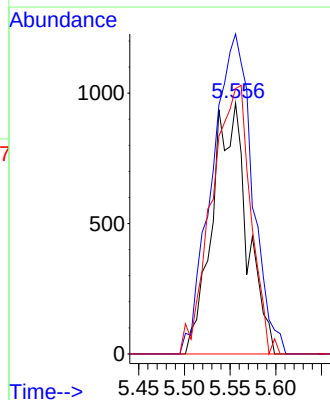
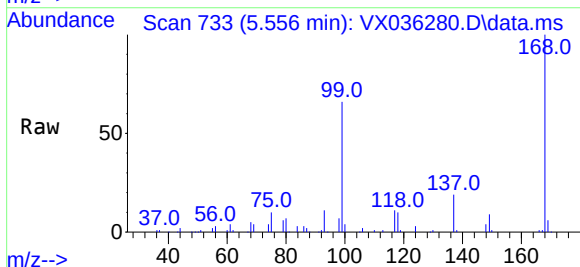
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 184.7 | 103.6 | 155.4# |
| 51  | 50.0  | 33.8  | 50.6   |
| 86  | 62.6  | 49.4  | 74.0   |

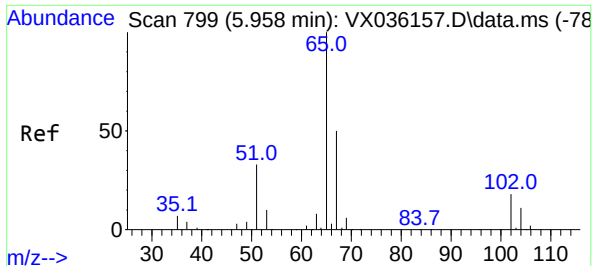


#31  
Cyclohexane  
Concen: 1.523 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.086 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

Tgt Ion: 56 Resp: 2550

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 127.5 | 23.4  | 35.2# |
| 84  | 105.8 | 65.9  | 98.9# |





#33

1,2-Dichloroethane-d4

Concen: 54.562 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036280.D

Acq: 21 Jun 2023 18:52

Instrument :

MSVOA\_X

ClientSampleId :

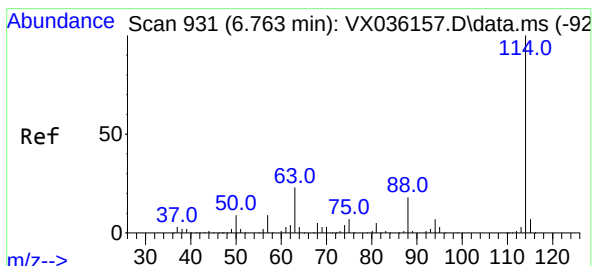
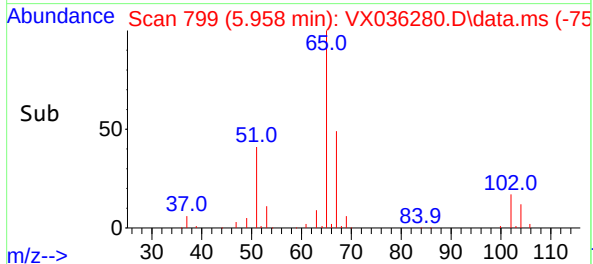
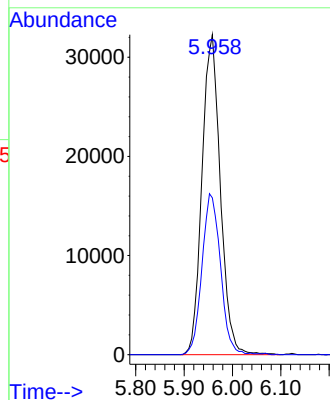
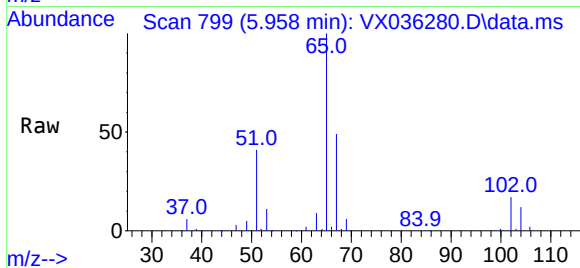
TRIP-BLANK

Tgt Ion: 65 Resp: 85142

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: VX036280.D

Acq: 21 Jun 2023 18:52

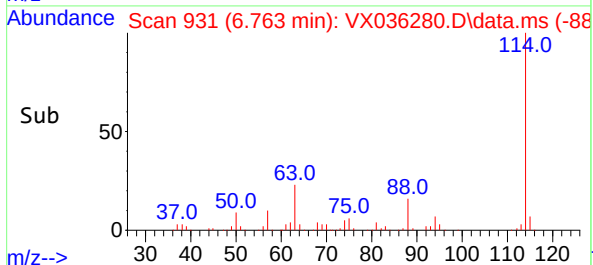
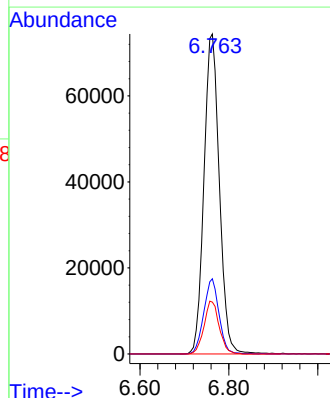
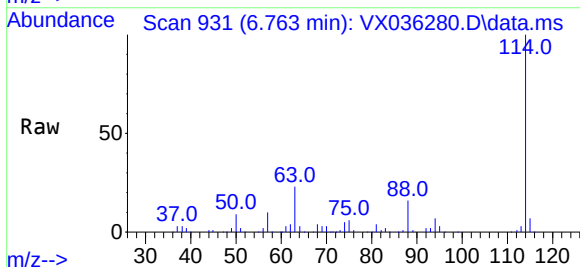
Tgt Ion: 114 Resp: 179532

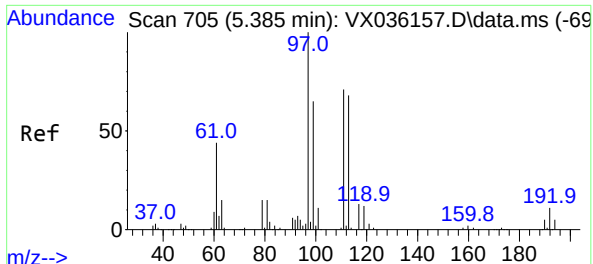
Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.0

88 16.2 0.0 36.6

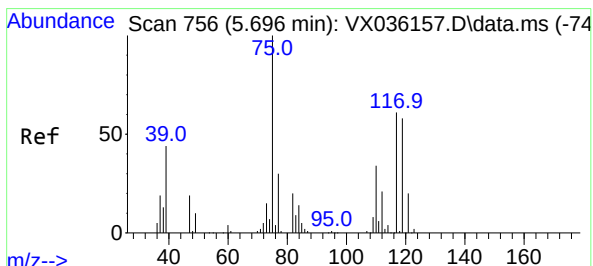
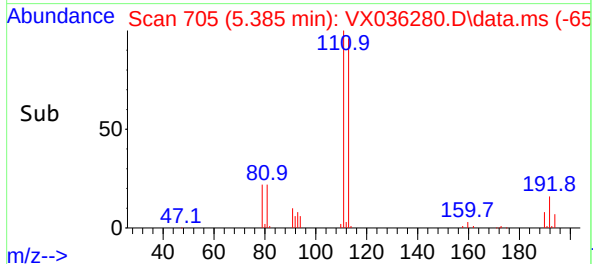
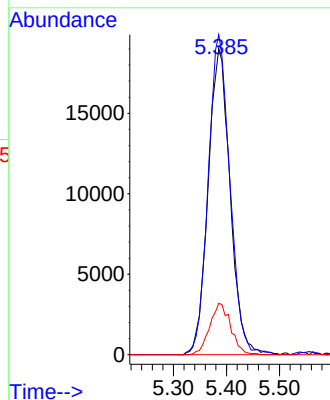
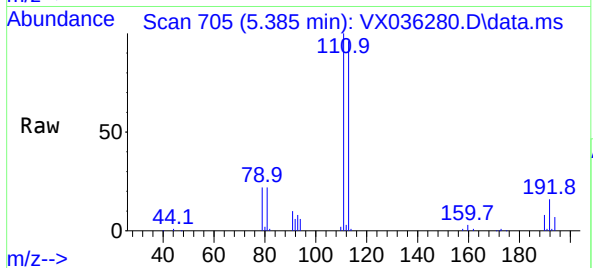




#35  
Dibromofluoromethane  
Concen: 45.078 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

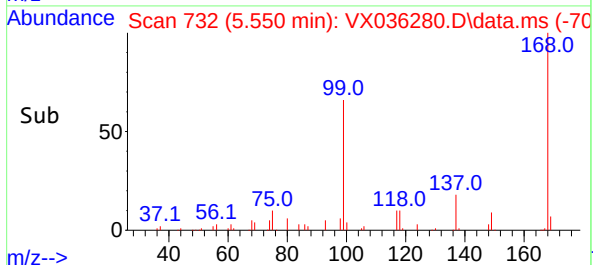
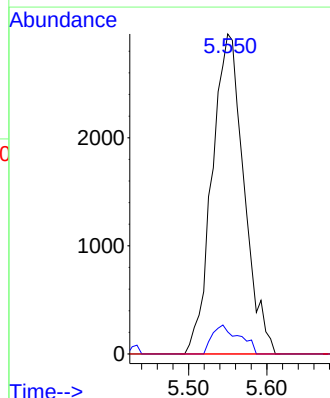
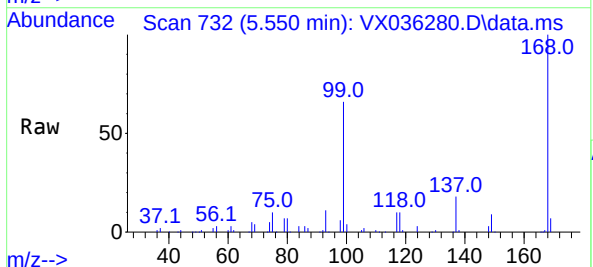
Instrument :  
MSVOA\_X  
ClientSampleId :  
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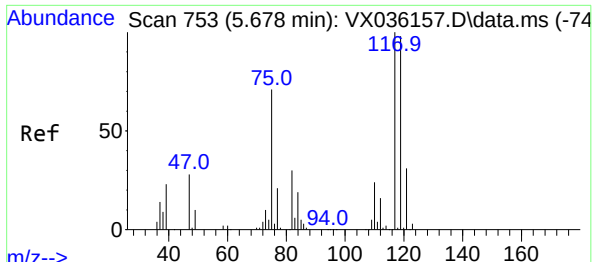
Tgt Ion:113 Resp: 54880  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.9 124.3  
192 16.0 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.658 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

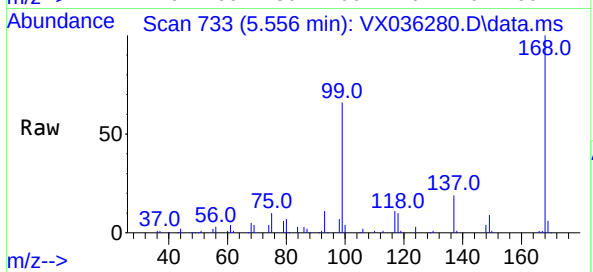
Tgt Ion: 75 Resp: 8353  
Ion Ratio Lower Upper  
75 100  
110 7.7 17.0 50.9#  
77 0.0 24.7 37.1#



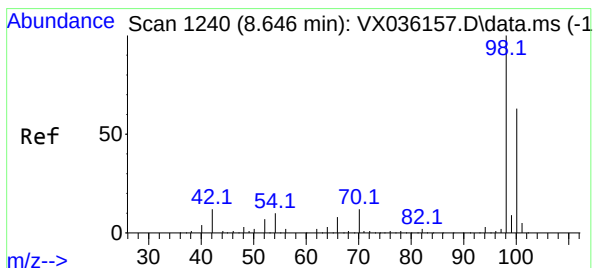
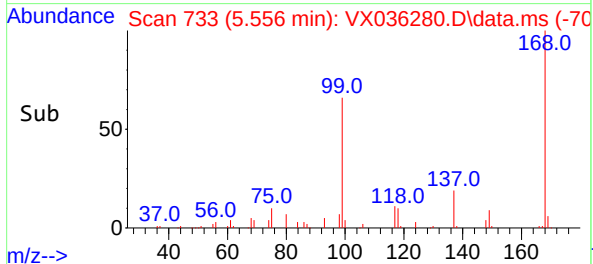
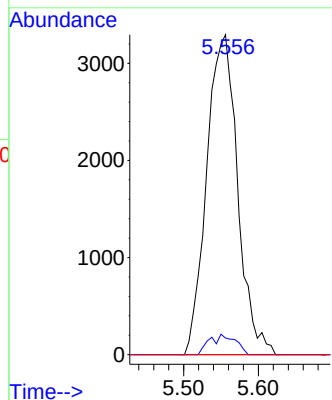


#38  
Carbon Tetrachloride  
Concen: 5.444 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

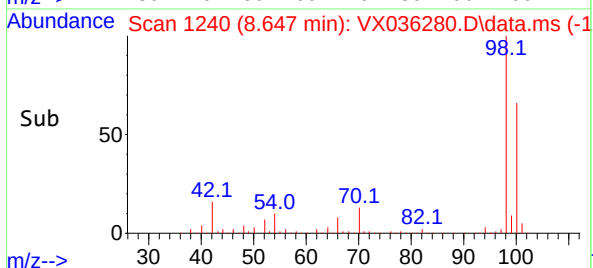
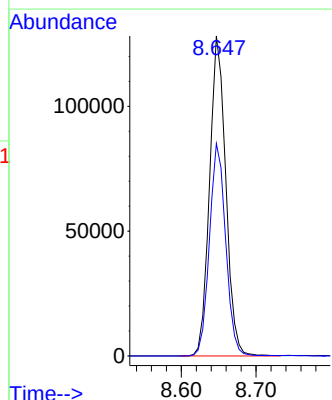
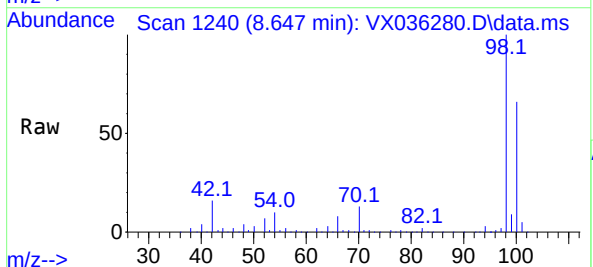


Tgt Ion:117 Resp: 9491  
Ion Ratio Lower Upper  
117 100  
119 5.2 78.2 117.2#  
121 0.0 24.4 36.6#

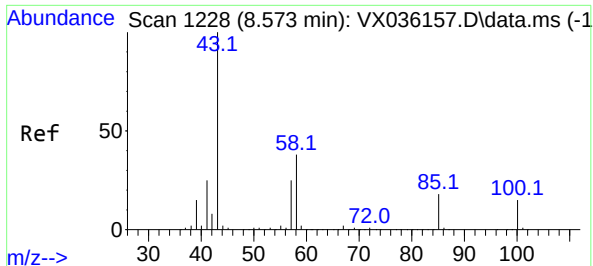


#50  
Toluene-d8  
Concen: 43.375 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

Tgt Ion: 98 Resp: 193161  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.1 79.7







#51

4-Methyl-2-Pentanone

Concen: 0.541 ug/l

RT: 8.641 min Scan# 11

Delta R.T. 0.068 min

Lab File: VX036280.D

Acq: 21 Jun 2023 18:52

Instrument :

MSVOA\_X

ClientSampleId :

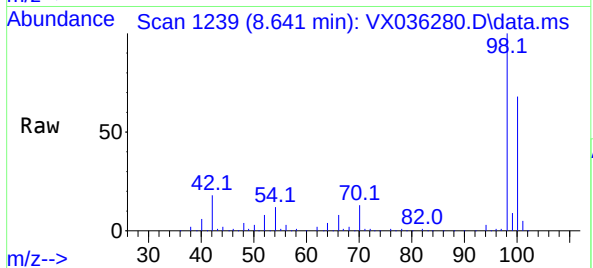
TRIP-BLANK

Tgt Ion: 43 Resp: 1093

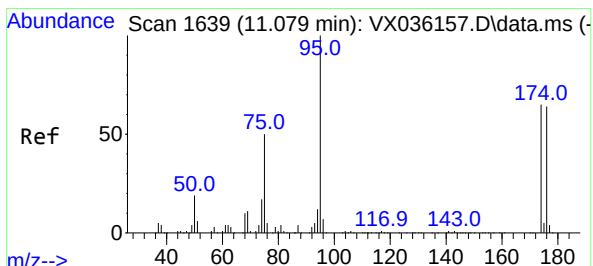
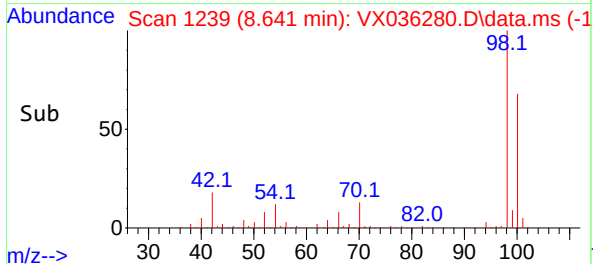
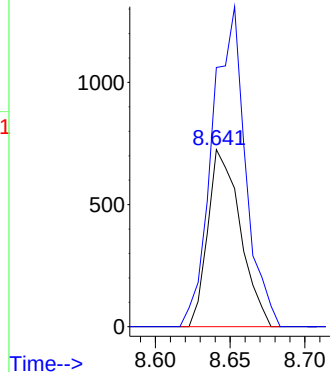
Ion Ratio Lower Upper

43 100

58 185.3 30.4 45.6#



Abundance



#62

4-Bromofluorobenzene

Concen: 35.909 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036280.D

Acq: 21 Jun 2023 18:52

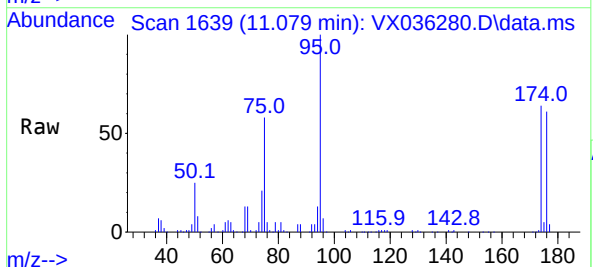
Tgt Ion: 95 Resp: 64551

Ion Ratio Lower Upper

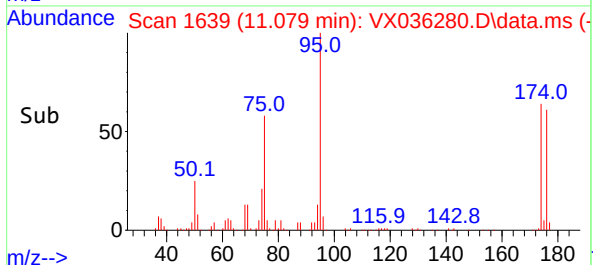
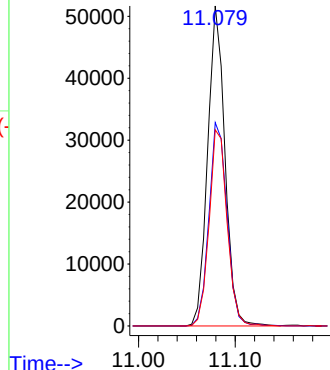
95 100

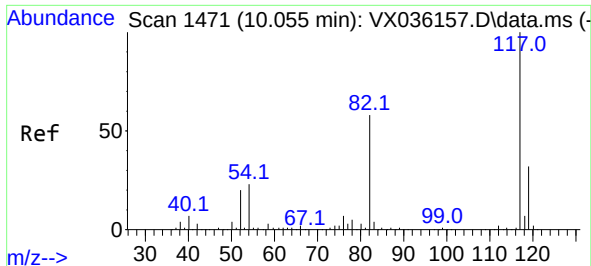
174 66.3 0.0 135.6

176 63.6 0.0 131.0



Abundance

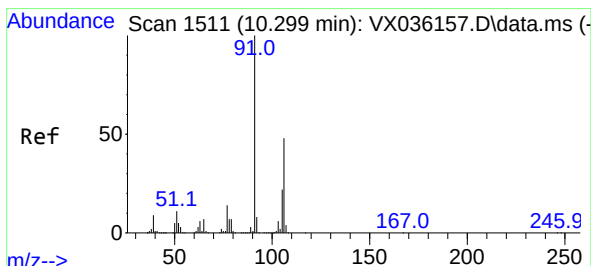
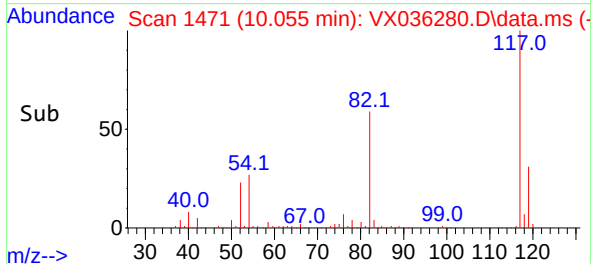
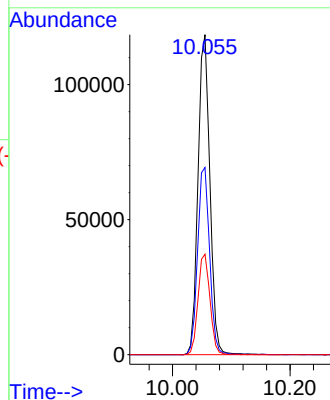
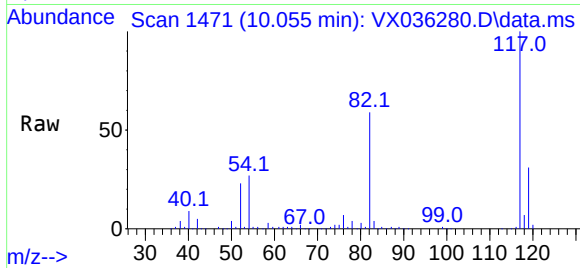




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

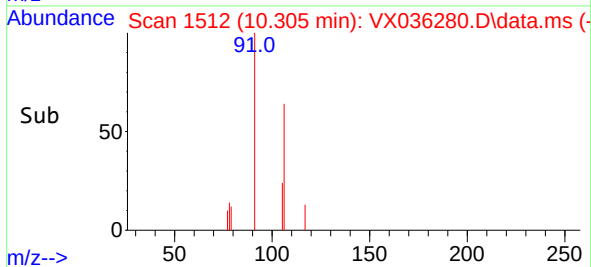
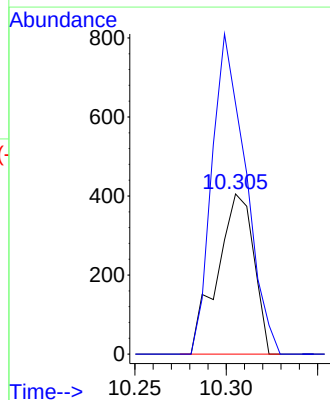
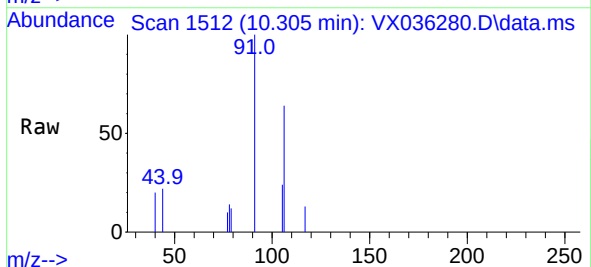
Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

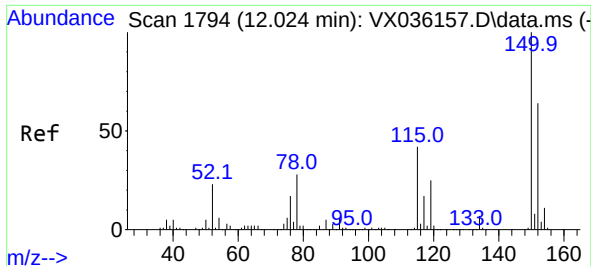
Tgt Ion:117 Resp: 166284  
Ion Ratio Lower Upper  
117 100  
82 58.5 46.2 69.4  
119 31.4 25.5 38.3



#68  
m/p-Xylenes  
Concen: 0.242 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

Tgt Ion:106 Resp: 563  
Ion Ratio Lower Upper  
106 100  
91 184.2 165.5 248.3

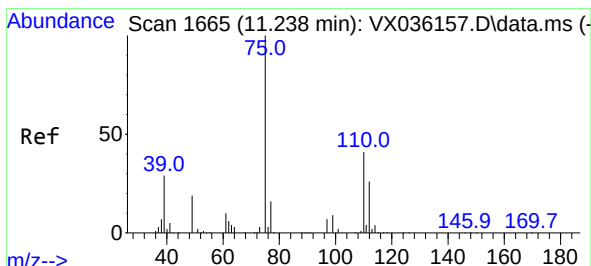
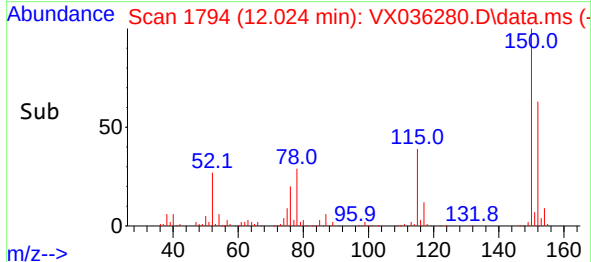
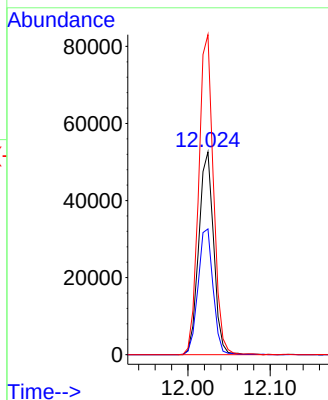
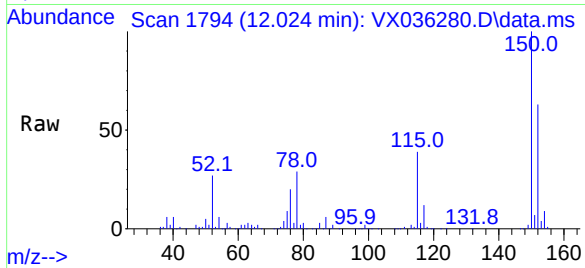




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

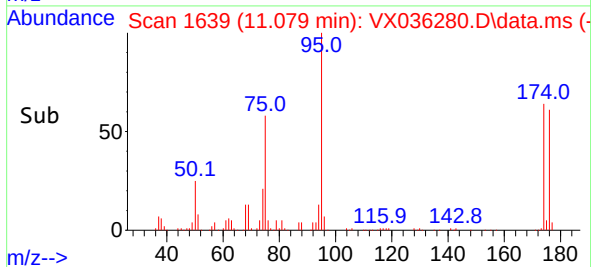
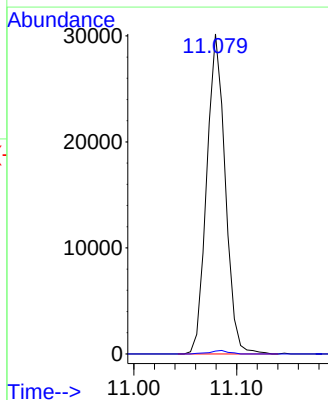
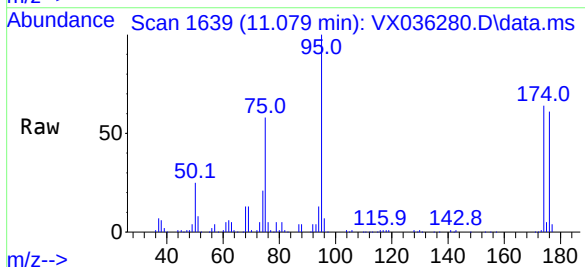
Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

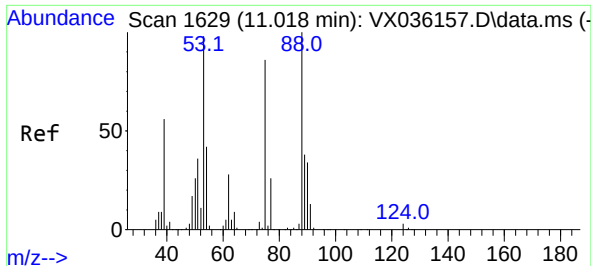
Tgt Ion:152 Resp: 66060  
Ion Ratio Lower Upper  
152 100  
115 62.8 43.3 129.9  
150 157.0 0.0 345.0



#76  
1,2,3-Trichloropropane  
Concen: 24.145 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX036280.D  
Acq: 21 Jun 2023 18:52

Tgt Ion: 75 Resp: 37854  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 84.512 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX036280.D  
 Acq: 21 Jun 2023 18:52

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRIP-BLANK

Tgt Ion: 75 Resp: 37854  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

