

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091823\  
 Data File : VX037768.D  
 Acq On : 18 Sep 2023 10:58  
 Operator : JC/MD  
 Sample : VX0918WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 18 17:55:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:55:44 2023  
 Response via : Initial Calibration

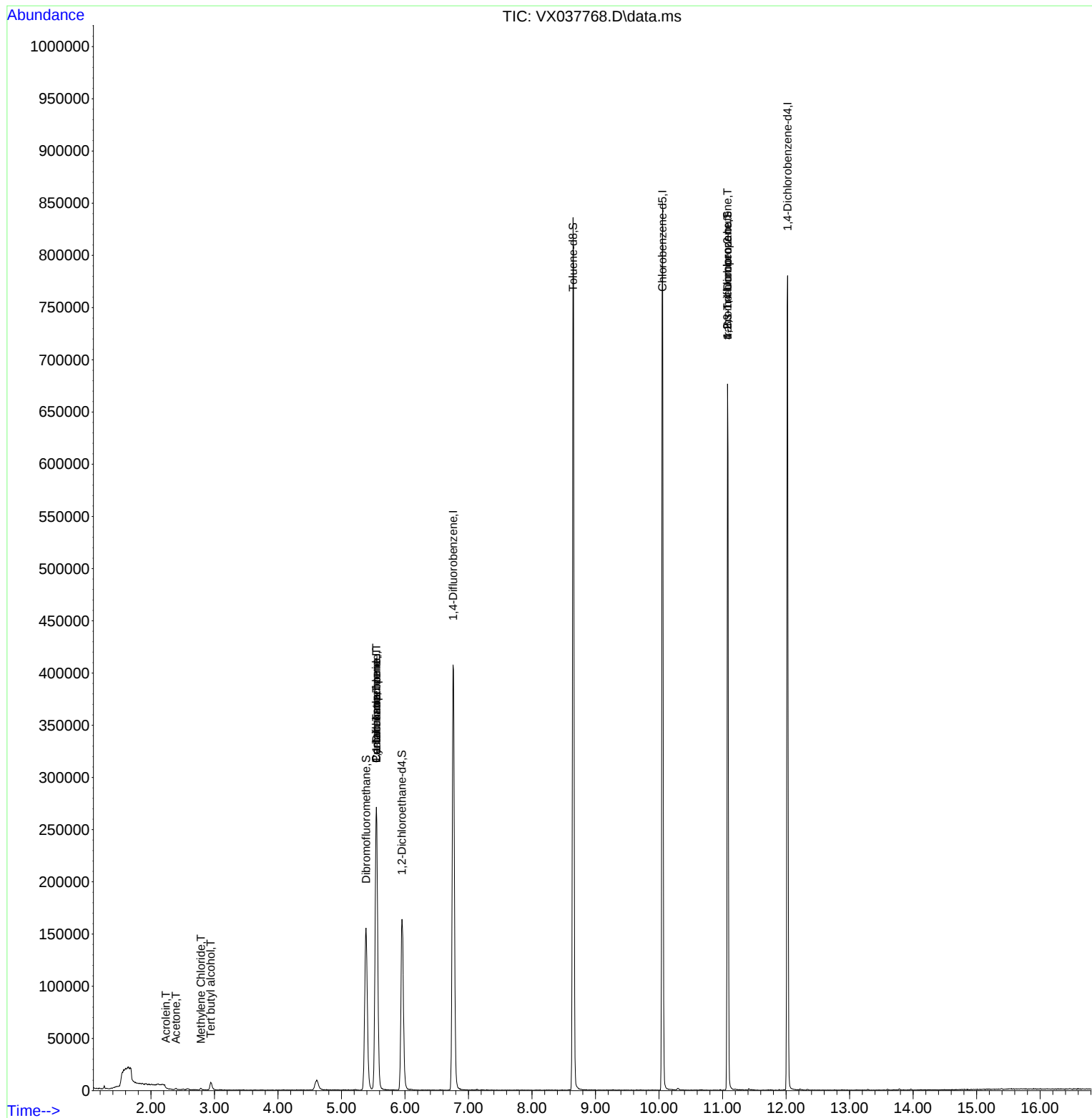
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 266964     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 436183     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 393814     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 168491     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 159215     | 45.393  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 90.780% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 136352     | 46.720  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 93.440% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 519294     | 47.887  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 95.780% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 177039     | 44.927  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 89.860% |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 11) Tert butyl alcohol        | 2.940          | 59   | 4832       | 6.418   | ug/l # | 82       |
| 13) Acrolein                  | 2.233          | 56   | 539        | 0.725   | ug/l   | 88       |
| 16) Acetone                   | 2.392          | 43   | 1424       | 0.844   | ug/l   | 93       |
| 20) Methylene Chloride        | 2.788          | 84   | 789        | 0.228   | ug/l # | 72       |
| 31) Cyclohexane               | 5.550          | 56   | 5545       | 1.232   | ug/l # | 3        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 19867      | 4.942   | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 26140      | 6.214   | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 88194      | 22.631  | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 88194      | 72.496  | ug/l # | 5        |
| -----                         |                |      |            |         |        |          |

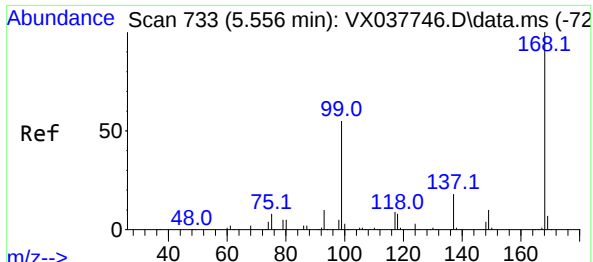
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Sep 18 17:55:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:55:44 2023  
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: VX037768.D

Acq: 18 Sep 2023 10:58

Instrument :

MSVOA\_X

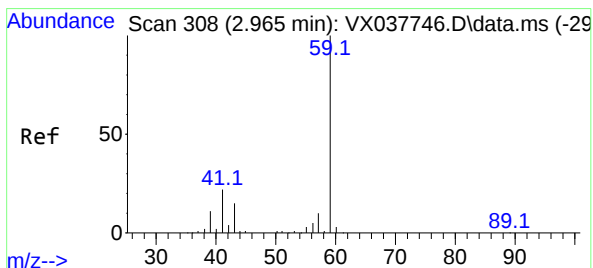
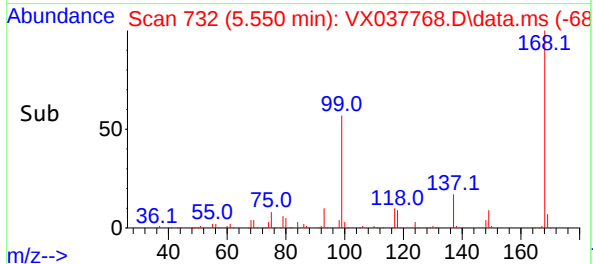
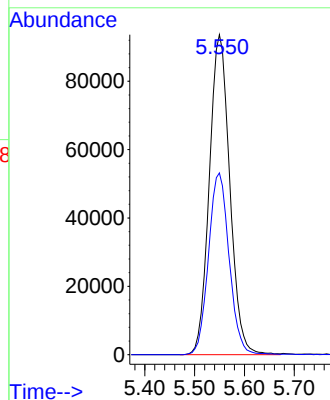
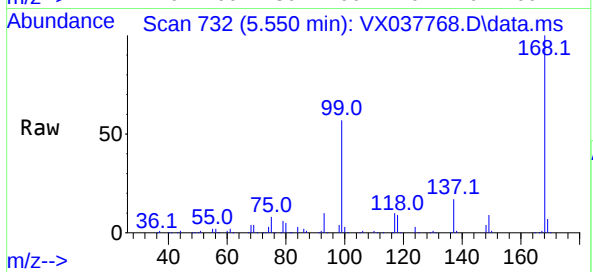
ClientSampleId :

Tgt Ion:168 Resp: 266964

Ion Ratio Lower Upper

168 100

99 56.8 56.6 85.0



#11

Tert butyl alcohol

Concen: 6.418 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.024 min

Lab File: VX037768.D

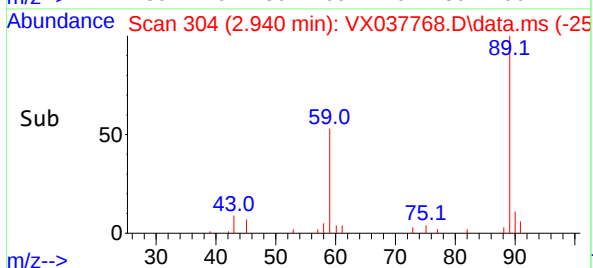
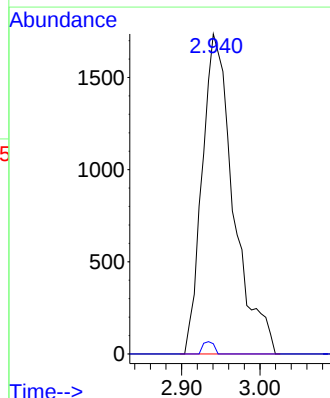
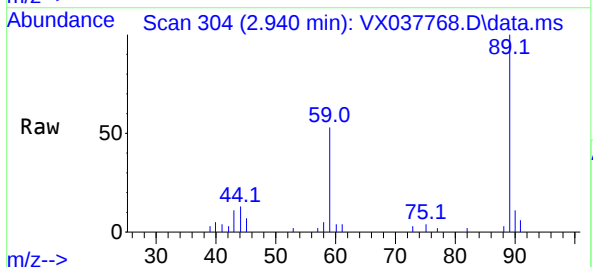
Acq: 18 Sep 2023 10:58

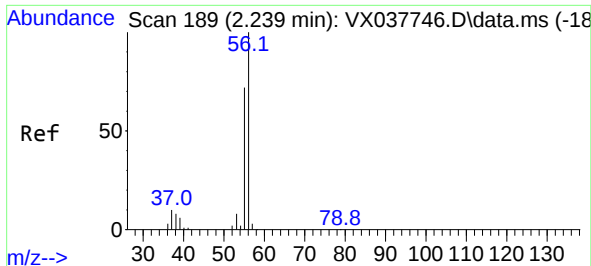
Tgt Ion: 59 Resp: 4832

Ion Ratio Lower Upper

59 100

57 1.4 6.0 9.0#

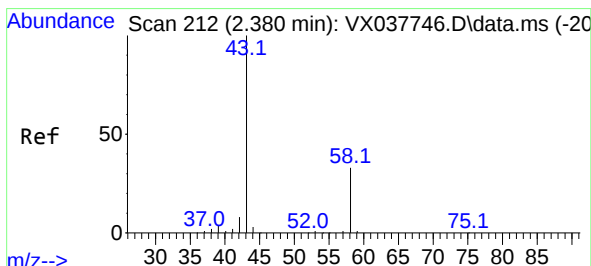
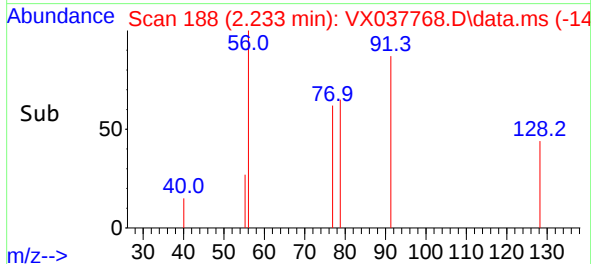
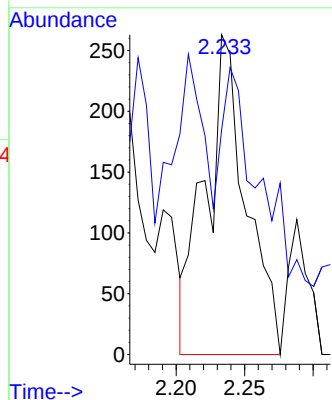
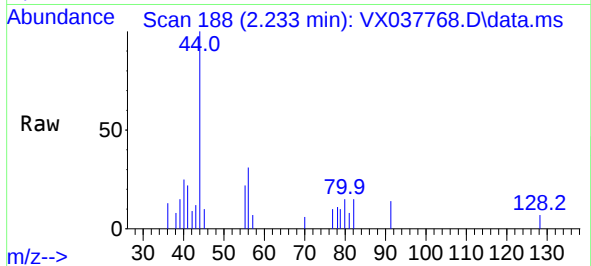




#13  
Acrolein  
Concen: 0.725 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

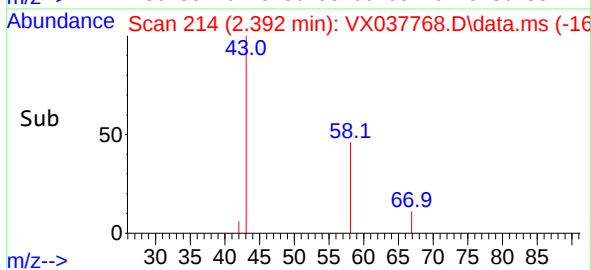
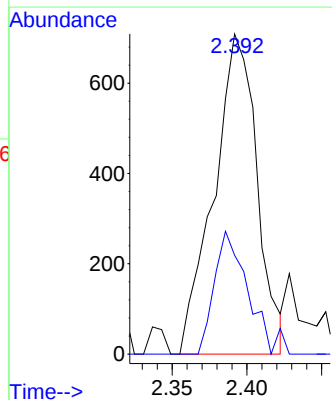
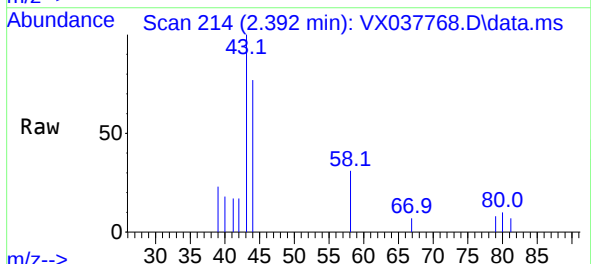
Instrument :  
MSVOA\_X  
ClientSampleId :

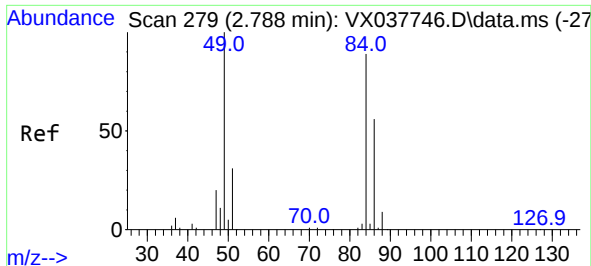
Tgt Ion: 56 Resp: 539  
Ion Ratio Lower Upper  
56 100  
55 61.2 57.1 85.7



#16  
Acetone  
Concen: 0.844 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.012 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

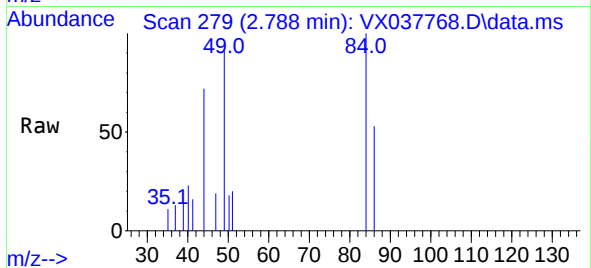
Tgt Ion: 43 Resp: 1424  
Ion Ratio Lower Upper  
43 100  
58 30.9 21.9 32.9





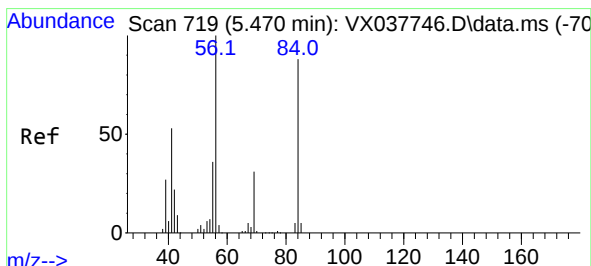
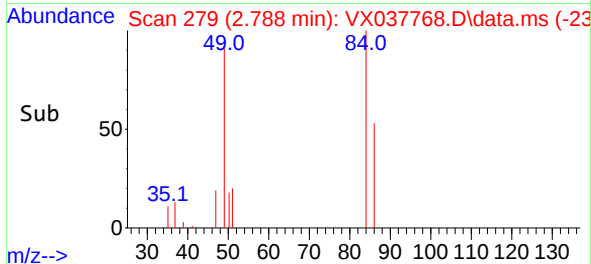
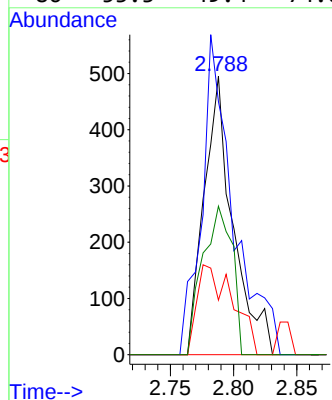
#20  
Methylene Chloride  
Concen: 0.228 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 84 Resp: 789

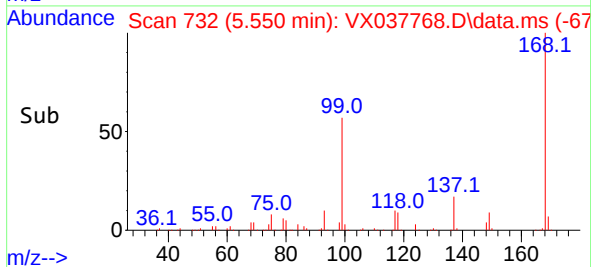
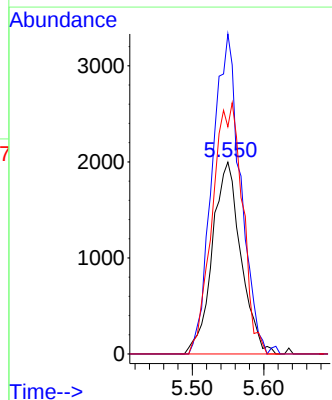
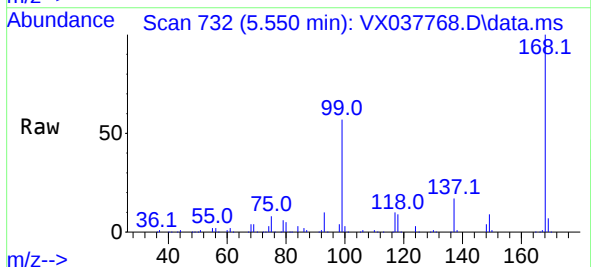
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 90.9  | 103.6 | 155.4# |
| 51  | 19.6  | 33.8  | 50.6#  |
| 86  | 53.3  | 49.4  | 74.0   |

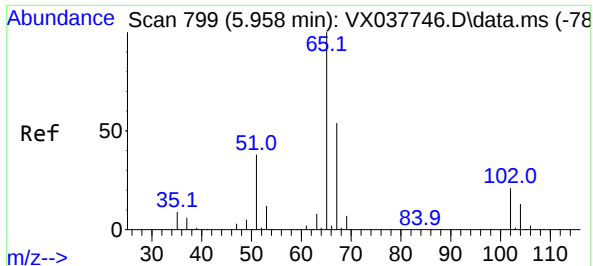


#31  
Cyclohexane  
Concen: 1.232 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

Tgt Ion: 56 Resp: 5545

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 166.9 | 23.4  | 35.2# |
| 84  | 118.5 | 65.9  | 98.9# |





#33

1,2-Dichloroethane-d4

Concen: 45.393 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX037768.D

Acq: 18 Sep 2023 10:58

Instrument :

MSVOA\_X

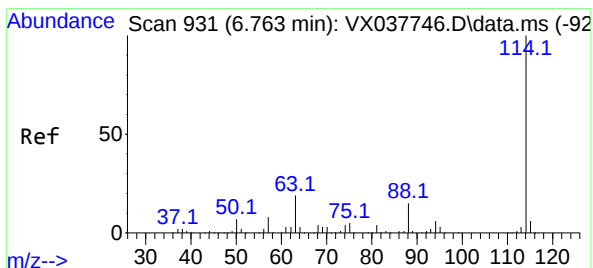
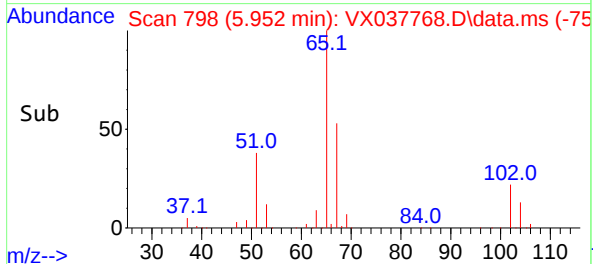
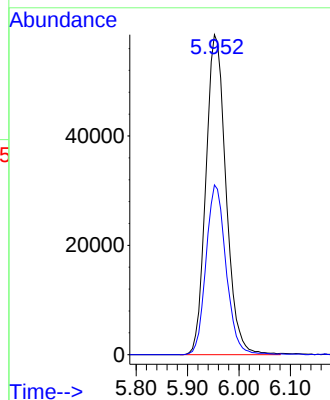
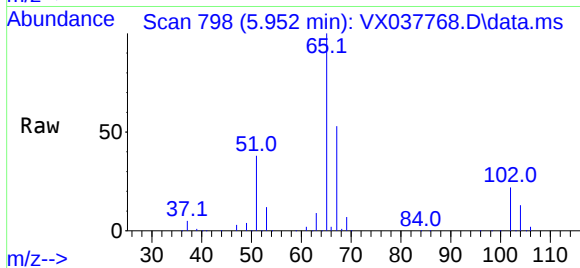
ClientSampleId :

Tgt Ion: 65 Resp: 159215

Ion Ratio Lower Upper

65 100

67 52.7 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: VX037768.D

Acq: 18 Sep 2023 10:58

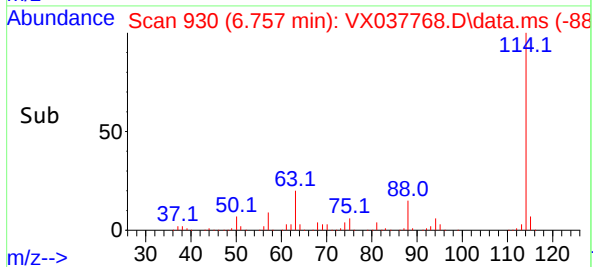
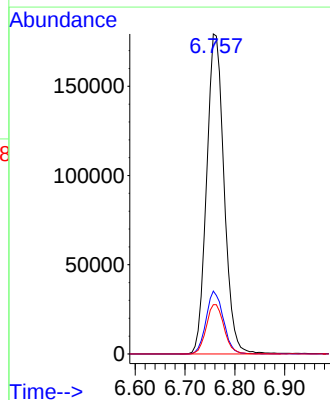
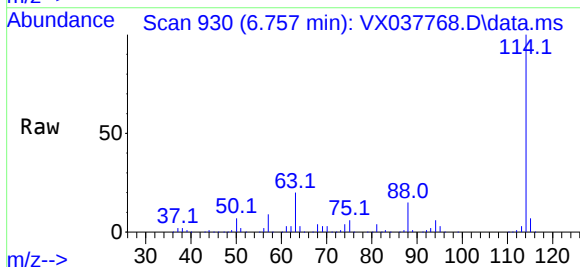
Tgt Ion:114 Resp: 436183

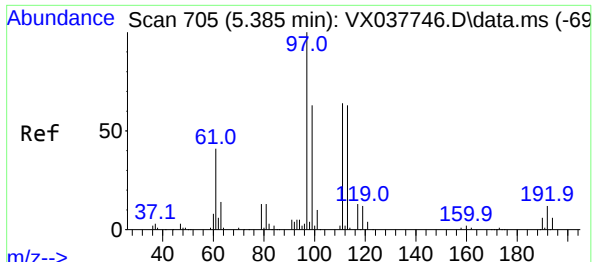
Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

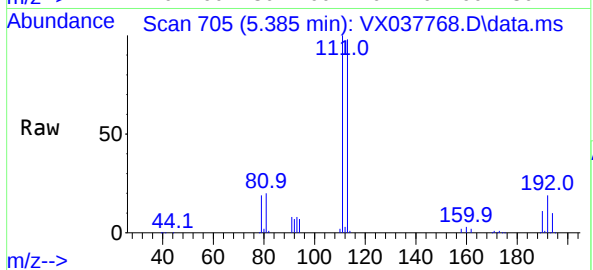
88 15.4 0.0 36.6



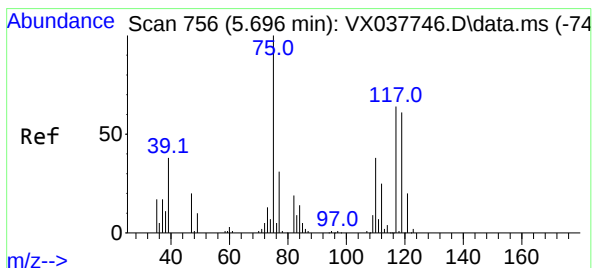
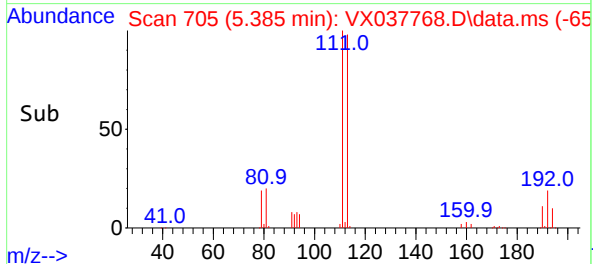
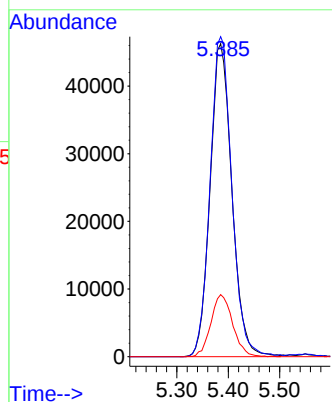


#35  
Dibromofluoromethane  
Concen: 46.720 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :

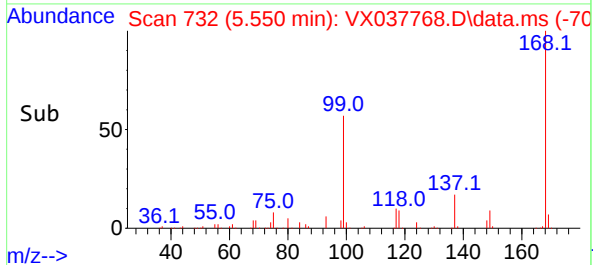
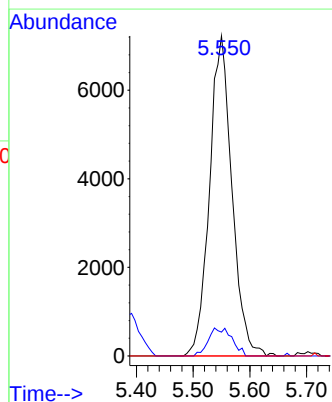
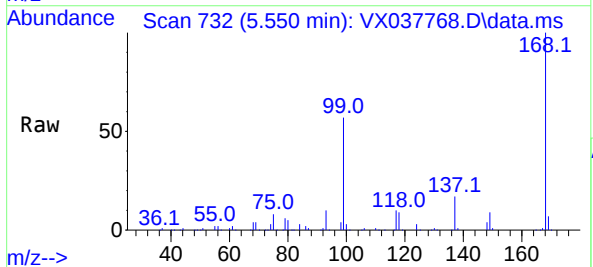


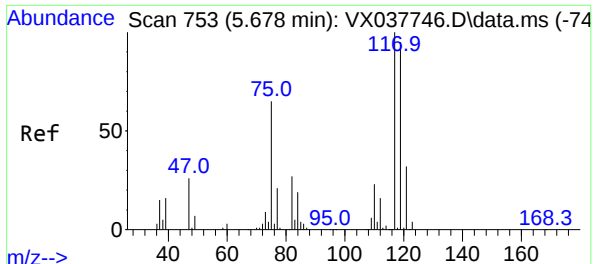
Tgt Ion:113 Resp: 136352  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.9 124.3  
192 19.8 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.942 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

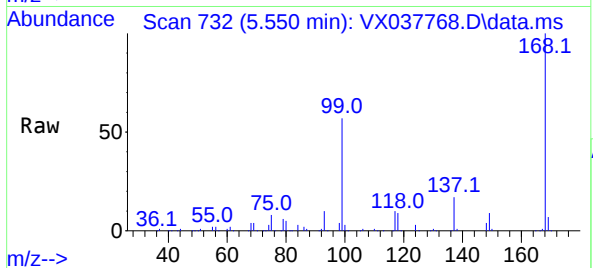
Tgt Ion: 75 Resp: 19867  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.0 50.9#  
77 0.0 24.7 37.1#



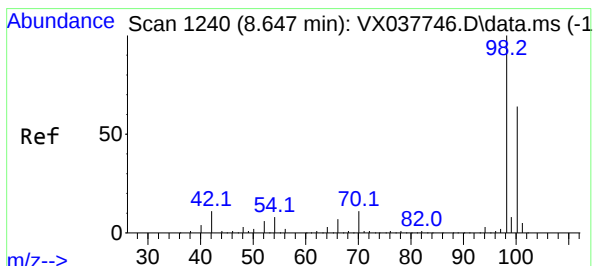
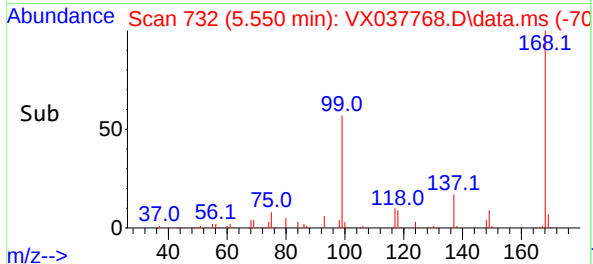
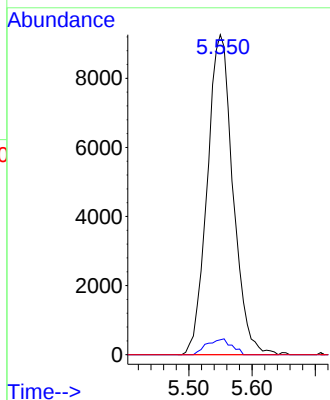


#38  
Carbon Tetrachloride  
Concen: 6.214 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :

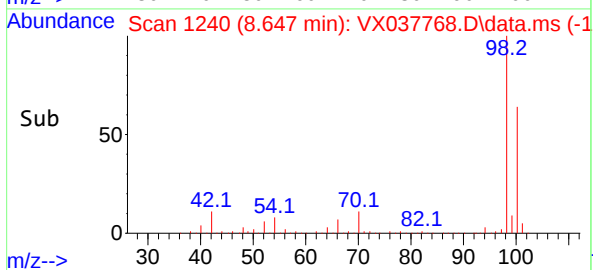
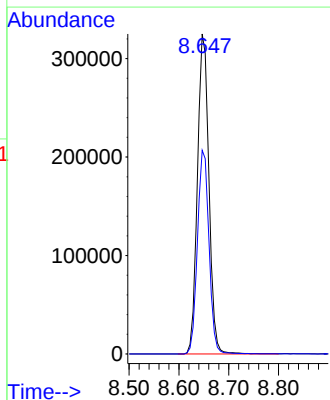
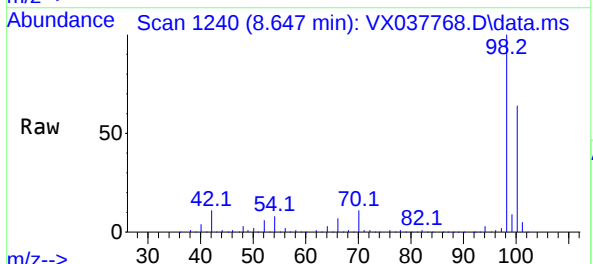


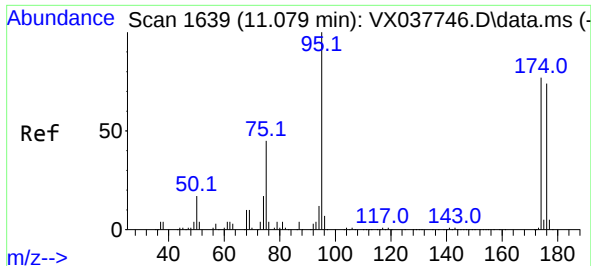
Tgt Ion:117 Resp: 26140  
Ion Ratio Lower Upper  
117 100  
119 4.6 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 47.887 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

Tgt Ion: 98 Resp: 519294  
Ion Ratio Lower Upper  
98 100  
100 64.1 53.1 79.7

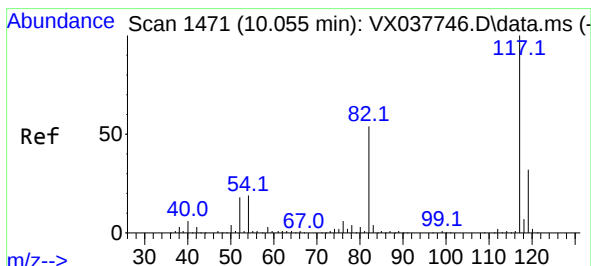
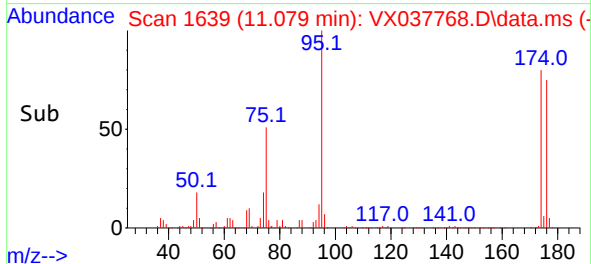
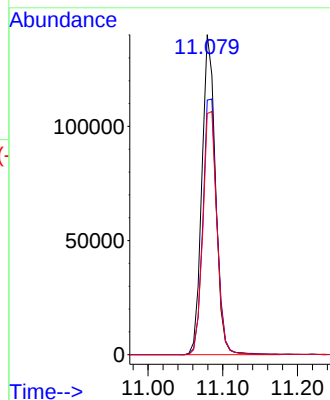
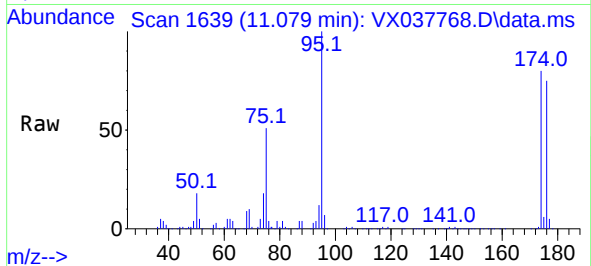




#62  
4-Bromofluorobenzene  
Concen: 44.927 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

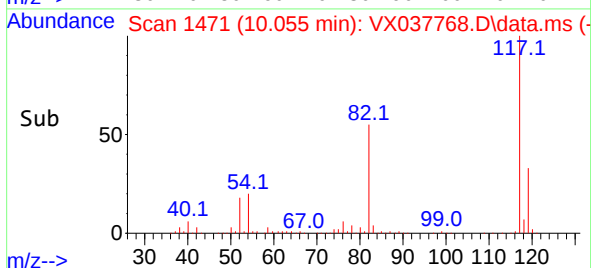
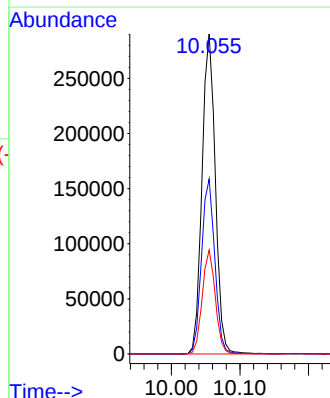
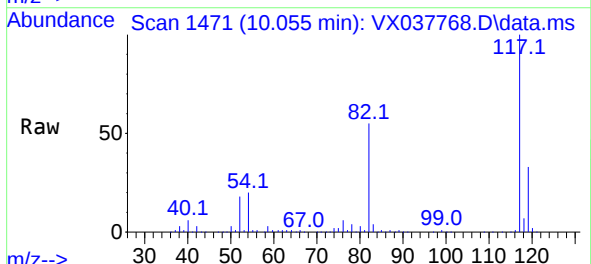
Instrument :  
MSVOA\_X  
ClientSampleId :

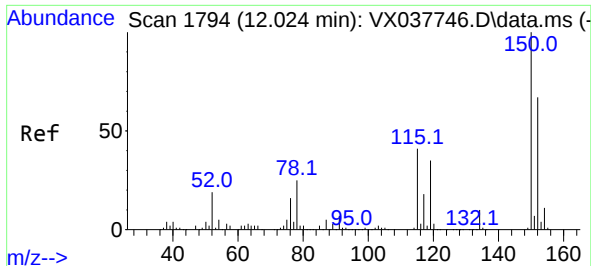
Tgt Ion: 95 Resp: 177039  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 135.6  
176 78.7 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

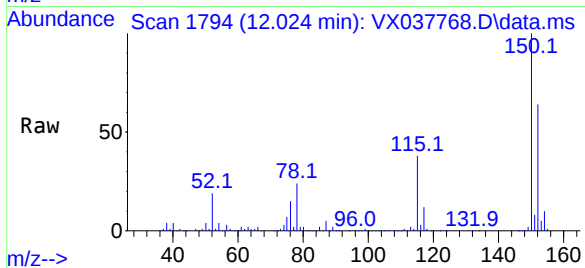
Tgt Ion: 117 Resp: 393814  
Ion Ratio Lower Upper  
117 100  
82 54.7 46.2 69.4  
119 32.5 25.5 38.3



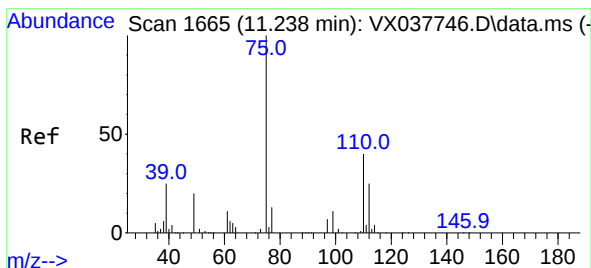
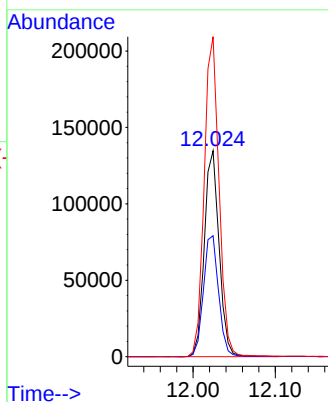
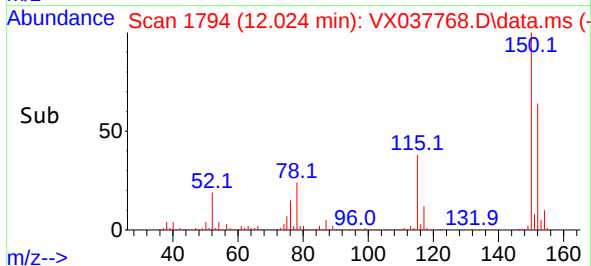


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58

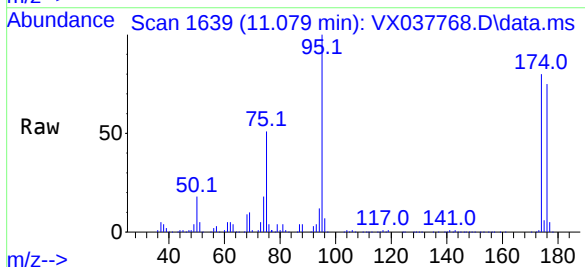
Instrument :  
MSVOA\_X  
ClientSampleId :



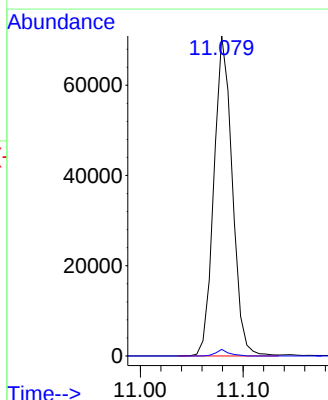
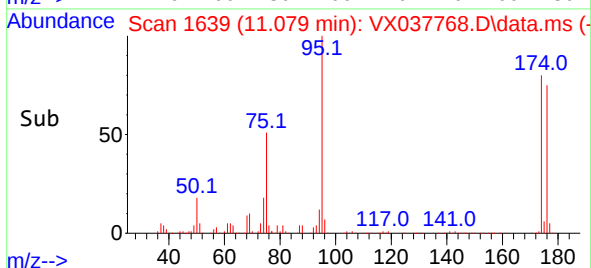
Tgt Ion:152 Resp: 168491  
Ion Ratio Lower Upper  
152 100  
115 60.3 43.3 129.9  
150 155.8 0.0 345.0

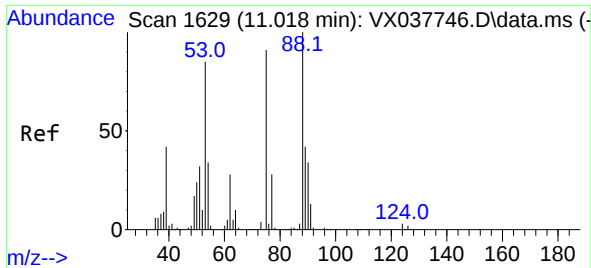


#76  
1,2,3-Trichloropropane  
Concen: 22.631 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX037768.D  
Acq: 18 Sep 2023 10:58



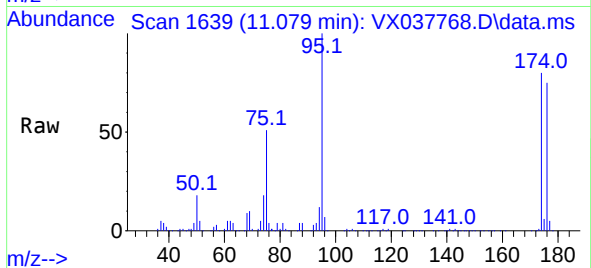
Tgt Ion: 75 Resp: 88194  
Ion Ratio Lower Upper  
75 100  
77 1.4 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 72.496 ug/l  
 RT: 11.079 min Scan# 10  
 Delta R.T. 0.061 min  
 Lab File: VX037768.D  
 Acq: 18 Sep 2023 10:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 88194  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

