

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121223\  
 Data File : VX039171.D  
 Acq On : 12 Dec 2023 17:20  
 Operator : JC/MD  
 Sample : 05757-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 13 04:18:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

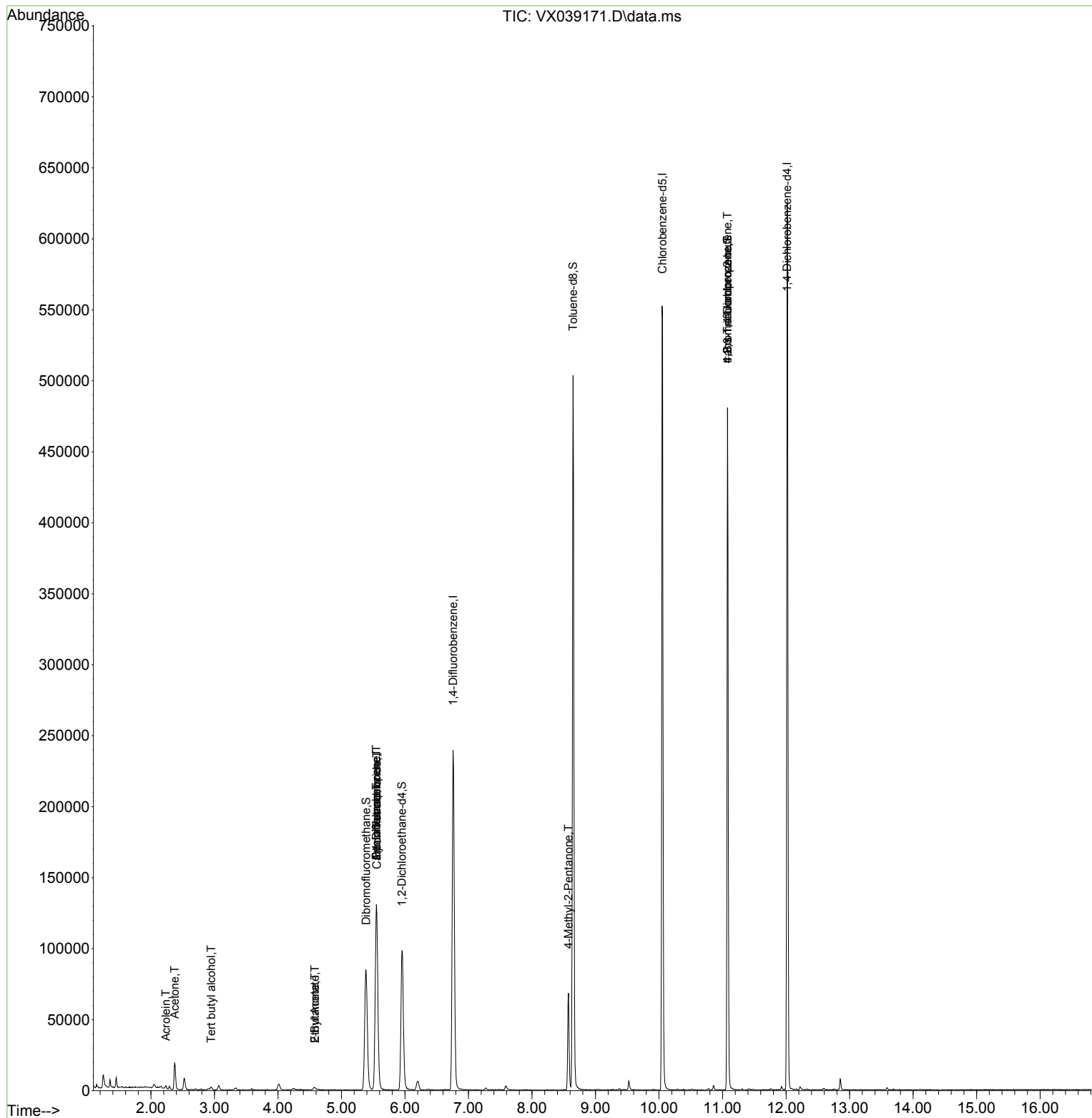
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 112458              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 231070              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 237592              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 118356              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 98833               | 54.541 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 109.080% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 75257               | 45.095 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 90.200%  |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 290751              | 45.536 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 91.080%# |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 130799              | 51.174 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 102.340% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 11) Tert butyl alcohol        | 2.947          | 59   | 2278                | 4.520  | ug/l # | 93       |
| 13) Acrolein                  | 2.233          | 56   | 1492                | 5.595  | ug/l   | 90       |
| 16) Acetone                   | 2.374          | 43   | 20322               | 21.067 | ug/l   | 96       |
| 25) 2-Butanone                | 4.580          | 43   | 3961                | 2.532  | ug/l # | 79       |
| 31) Cyclohexane               | 5.550          | 56   | 3365                | 1.301  | ug/l # | 22       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 10734               | 4.488  | ug/l # | 50       |
| 37) Ethyl Acetate             | 4.580          | 43   | 3961                | 1.271  | ug/l # | 69       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 12913               | 5.841  | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.574          | 43   | 41580               | 13.065 | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 71467               | 24.202 | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 71467               | 53.682 | ug/l # | 5        |
| -----                         |                |      |                     |        |        |          |

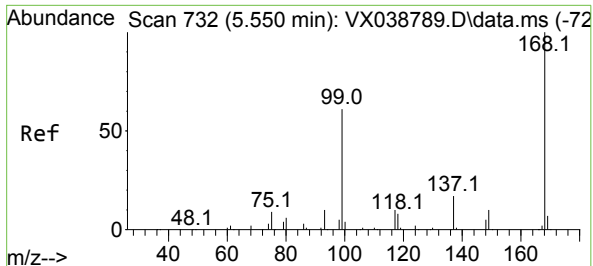
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121223\  
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Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 13 04:18:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

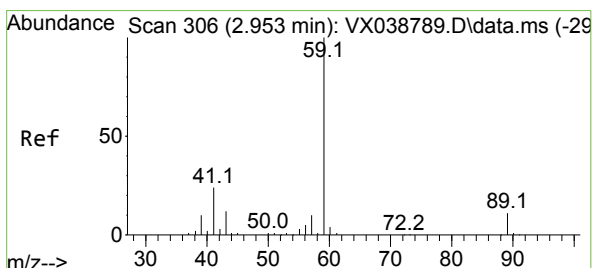
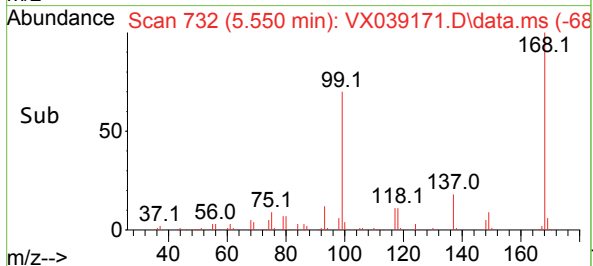
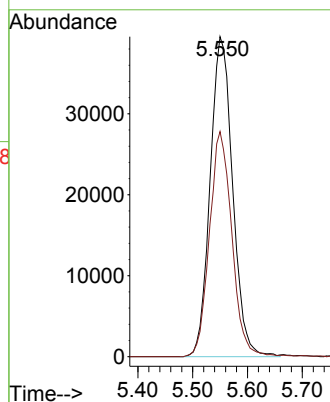
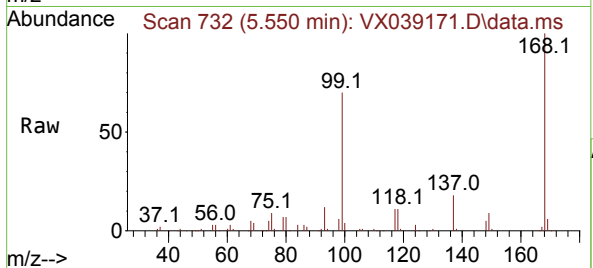




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX039171.D  
Acq: 12 Dec 2023 17:20

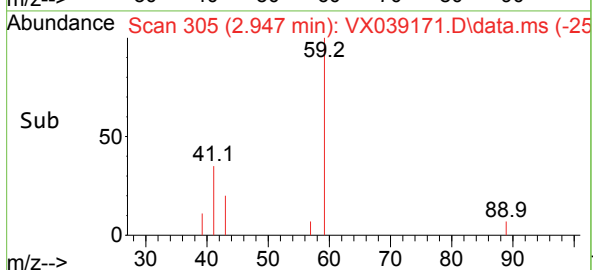
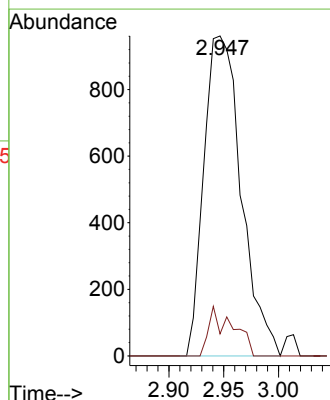
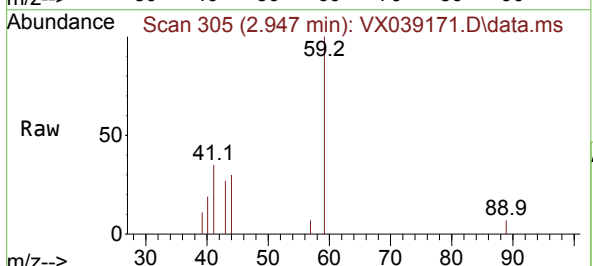
Instrument :  
MSVOA\_X  
ClientSampleId :

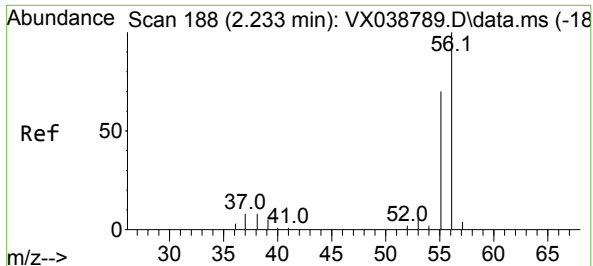
Tgt Ion:168 Resp: 112458  
Ion Ratio Lower Upper  
168 100  
99 70.4 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 4.520 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.006 min  
Lab File: VX039171.D  
Acq: 12 Dec 2023 17:20

Tgt Ion: 59 Resp: 2278  
Ion Ratio Lower Upper  
59 100  
57 9.9 6.0 9.0#





#13

Acrolein

Concen: 5.595 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039171.D

Acq: 12 Dec 2023 17:20

Instrument :

MSVOA\_X

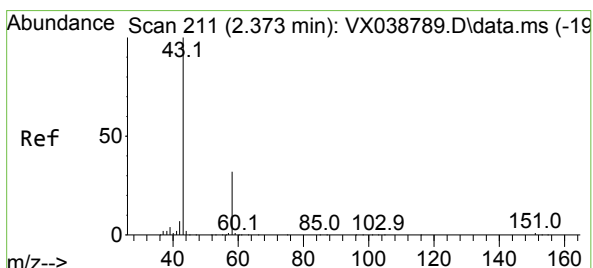
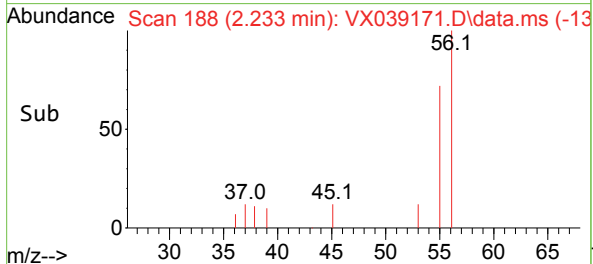
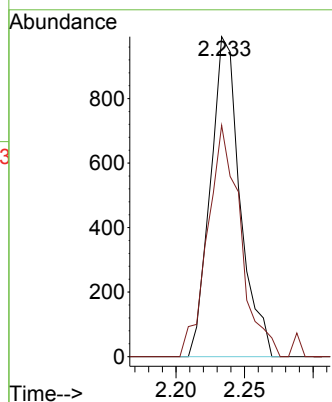
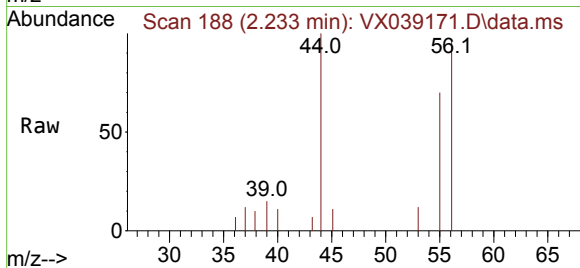
ClientSampleId :

Tgt Ion: 56 Resp: 1492

Ion Ratio Lower Upper

56 100

55 80.0 57.1 85.7



#16

Acetone

Concen: 21.067 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX039171.D

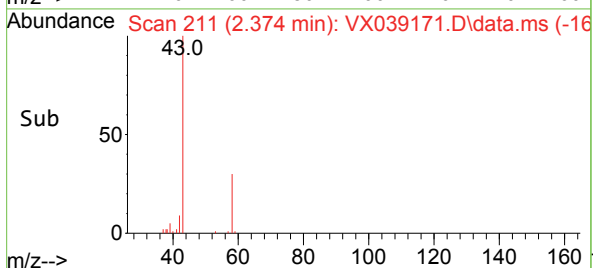
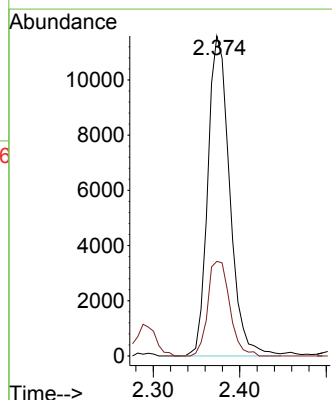
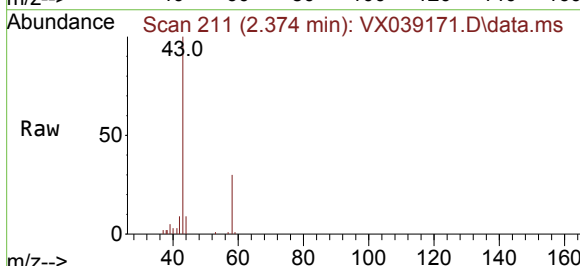
Acq: 12 Dec 2023 17:20

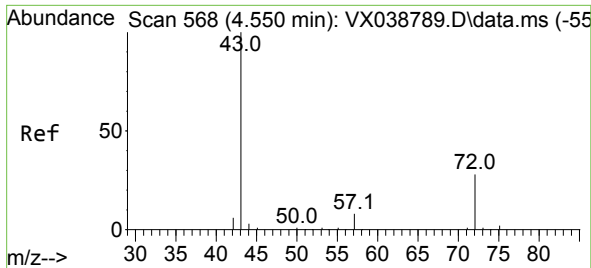
Tgt Ion: 43 Resp: 20322

Ion Ratio Lower Upper

43 100

58 29.5 21.9 32.9

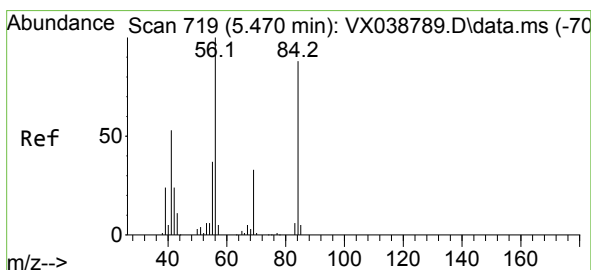
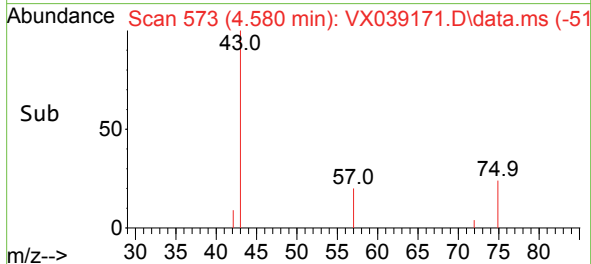
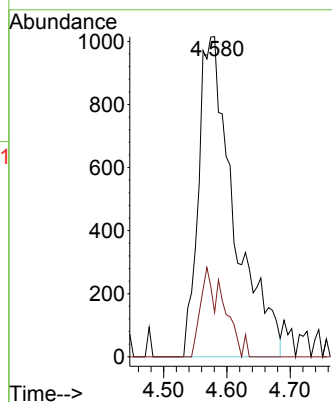
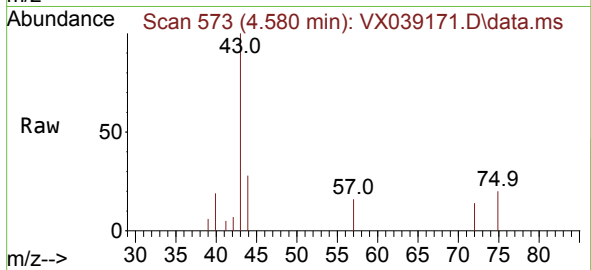




#25  
2-Butanone  
Concen: 2.532 ug/l  
RT: 4.580 min Scan# 51  
Delta R.T. 0.031 min  
Lab File: VX039171.D  
Acq: 12 Dec 2023 17:20

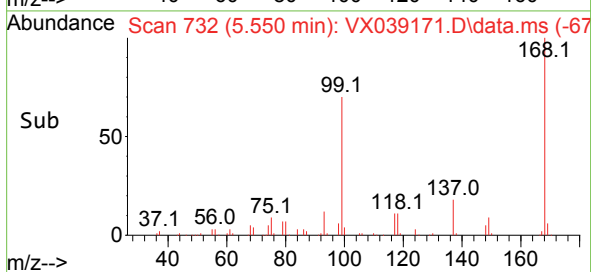
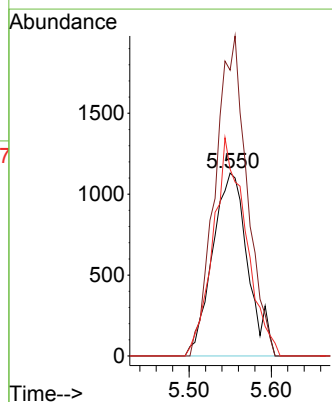
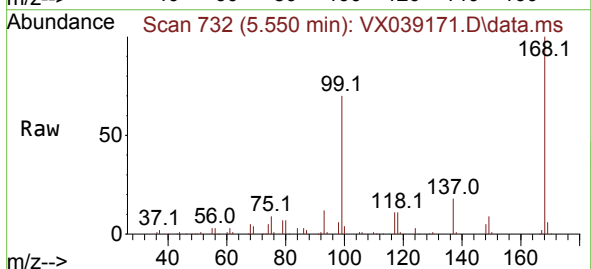
Instrument :  
MSVOA\_X  
ClientSampleId :

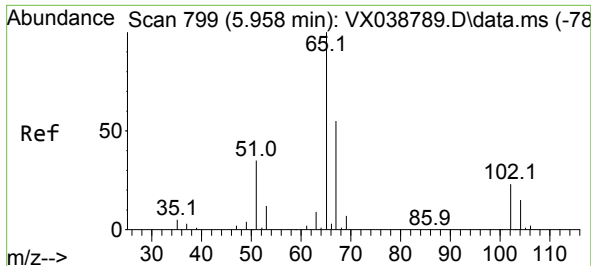
Tgt Ion: 43 Resp: 3961  
Ion Ratio Lower Upper  
43 100  
72 13.9 19.4 29.2#



#31  
Cyclohexane  
Concen: 1.301 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX039171.D  
Acq: 12 Dec 2023 17:20

Tgt Ion: 56 Resp: 3365  
Ion Ratio Lower Upper  
56 100  
69 156.1 23.4 35.2#  
84 102.0 65.9 98.9#

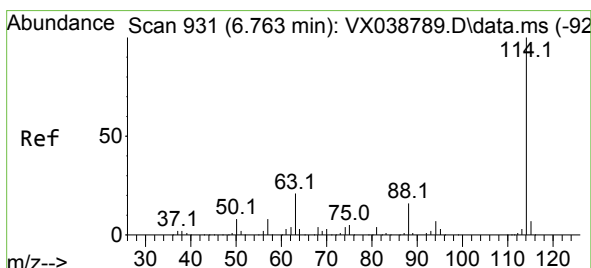
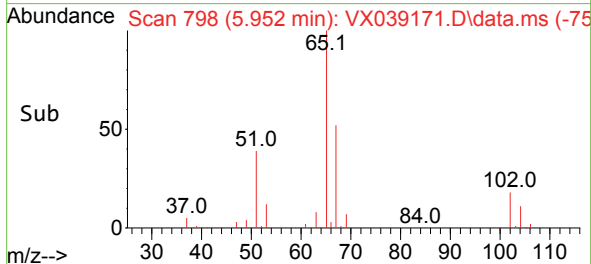
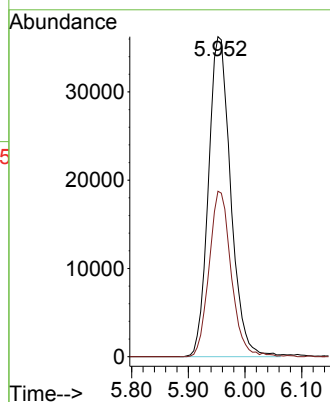
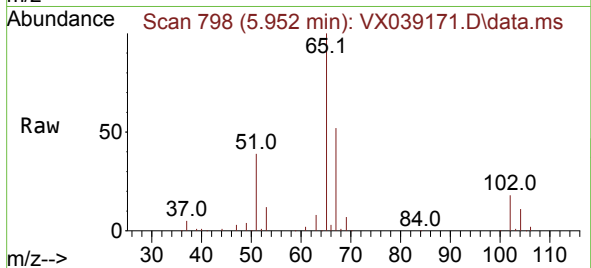




#33  
1,2-Dichloroethane-d4  
Concen: 54.541 ug/l  
RT: 5.952 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX039171.D  
Acq: 12 Dec 2023 17:20

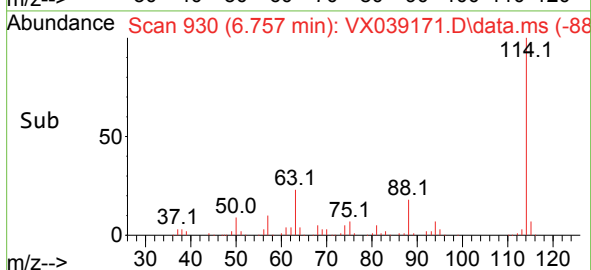
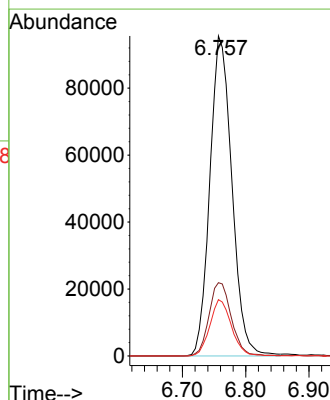
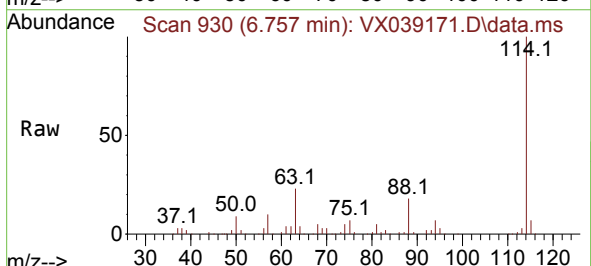
Instrument :  
MSVOA\_X  
ClientSampleId :

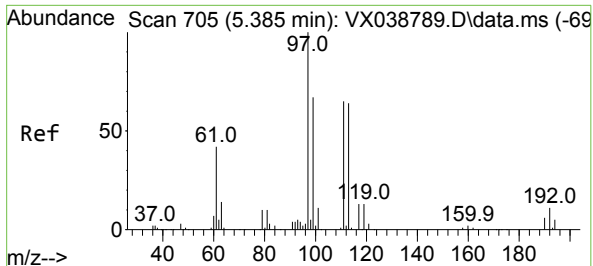
Tgt Ion: 65 Resp: 98833  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.006 min  
Lab File: VX039171.D  
Acq: 12 Dec 2023 17:20

Tgt Ion: 114 Resp: 231070  
Ion Ratio Lower Upper  
114 100  
63 22.9 0.0 45.0  
88 17.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.095 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

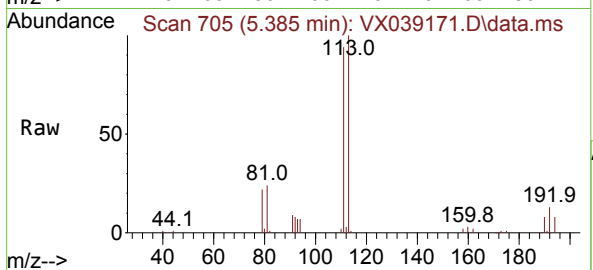
Lab File: VX039171.D

Acq: 12 Dec 2023 17:20

Instrument :

MSVOA\_X

ClientSampleId :



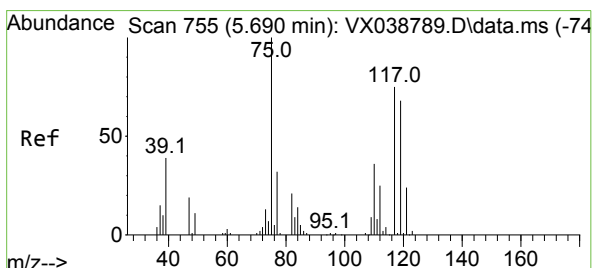
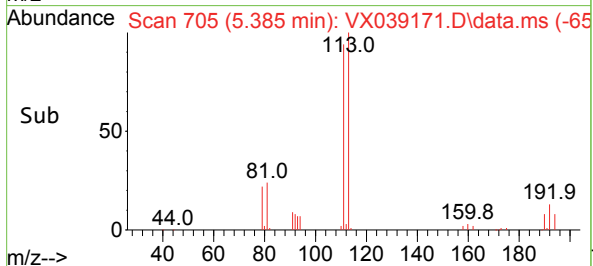
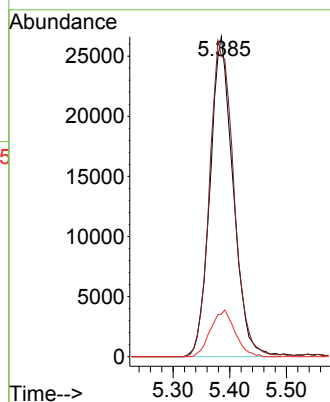
Tgt Ion:113 Resp: 75257

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

192 15.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.488 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX039171.D

Acq: 12 Dec 2023 17:20

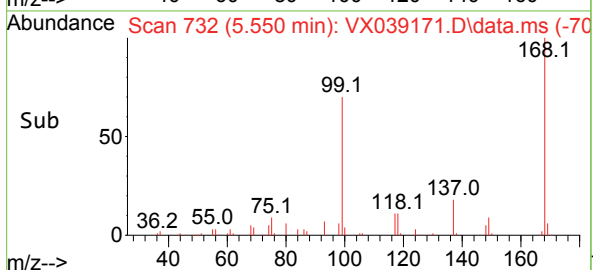
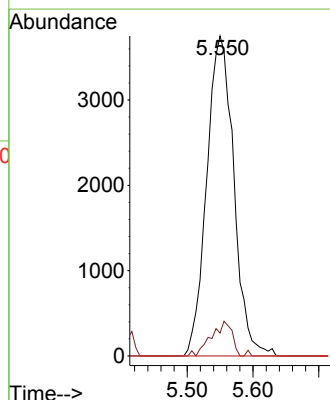
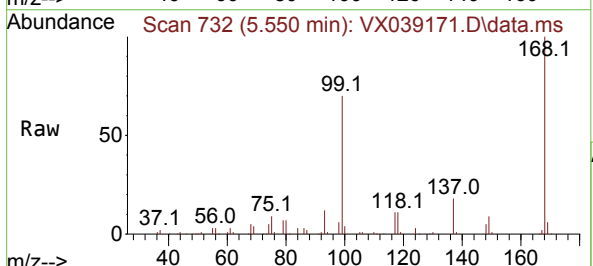
Tgt Ion: 75 Resp: 10734

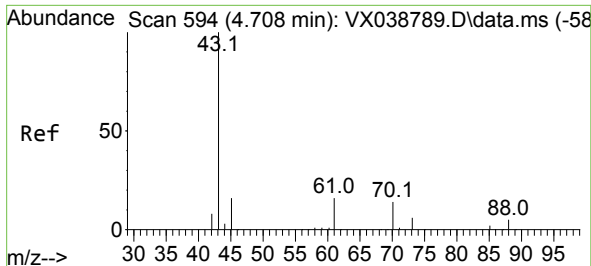
Ion Ratio Lower Upper

75 100

110 8.3 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.271 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.128 min

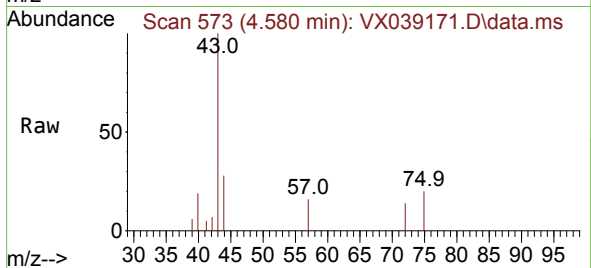
Lab File: VX039171.D

Acq: 12 Dec 2023 17:20

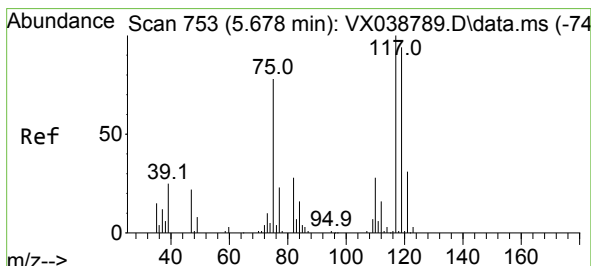
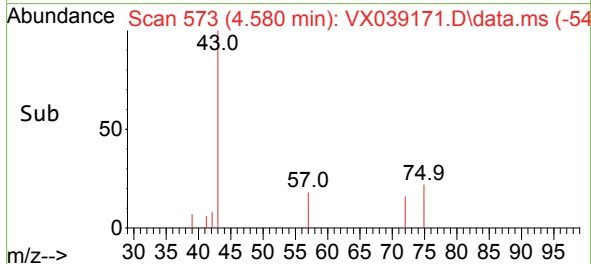
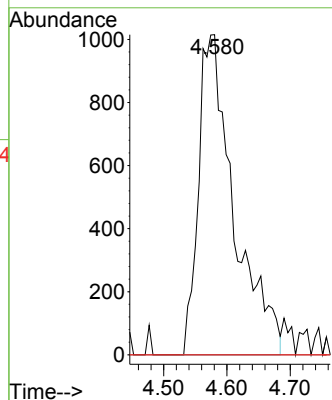
Instrument :

MSVOA\_X

ClientSampleId :



|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 3961     |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 0.0 10.6 16.0# |
| 70          | 0.0 8.3 12.5#  |



#38

Carbon Tetrachloride

Concen: 5.841 ug/l

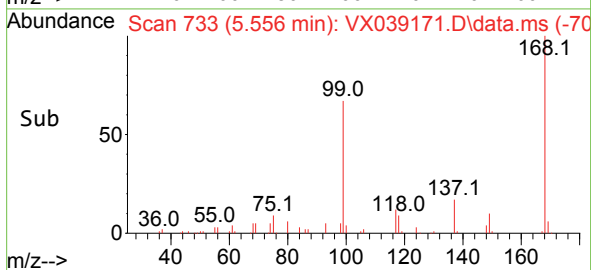
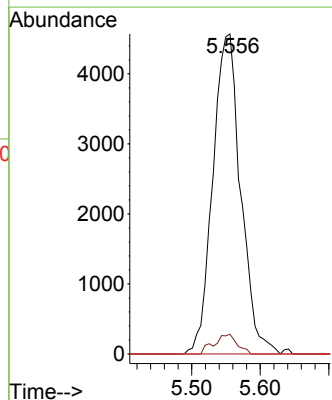
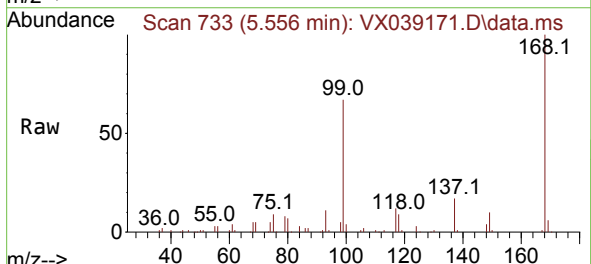
RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

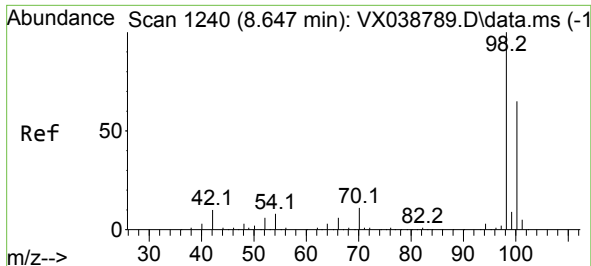
Lab File: VX039171.D

Acq: 12 Dec 2023 17:20

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 12913     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 6.1 78.2 117.2# |
| 121          | 0.0 24.4 36.6#  |



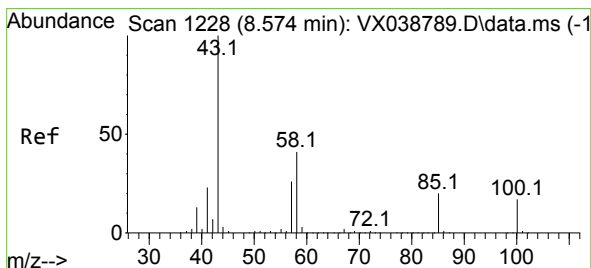
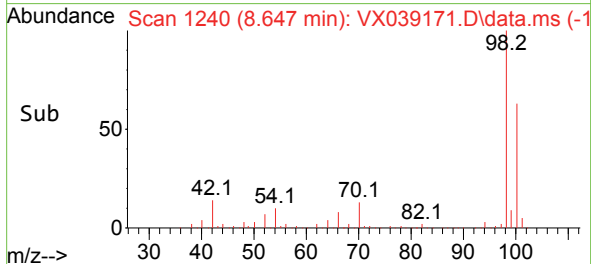
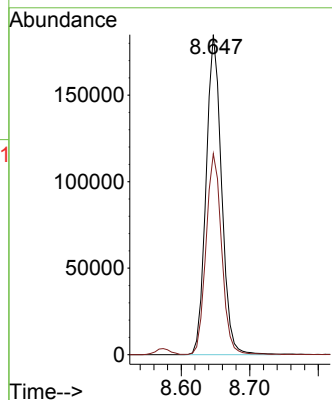
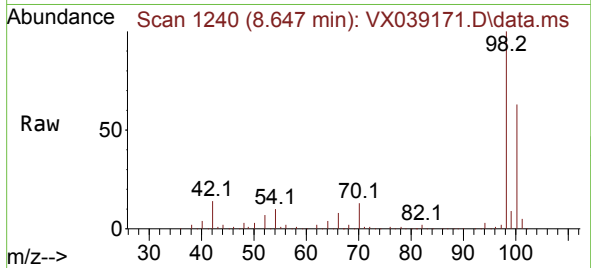




#50  
Toluene-d8  
Concen: 45.536 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039171.D  
Acq: 12 Dec 2023 17:20

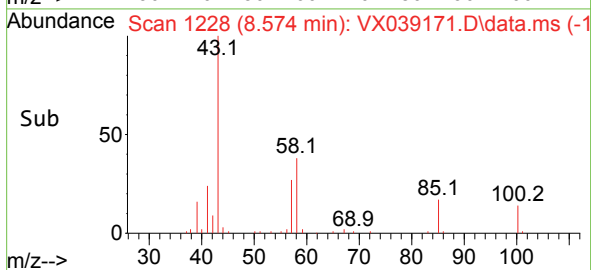
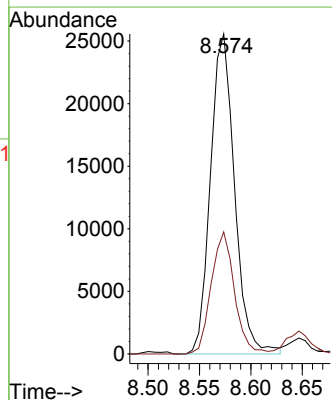
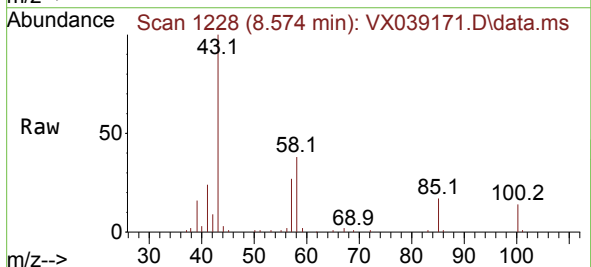
Instrument :  
MSVOA\_X  
ClientSampleId :

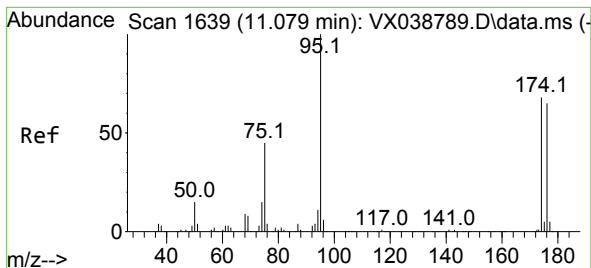
Tgt Ion: 98 Resp: 290751  
Ion Ratio Lower Upper  
98 100  
100 63.2 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 13.065 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VX039171.D  
Acq: 12 Dec 2023 17:20

Tgt Ion: 43 Resp: 41580  
Ion Ratio Lower Upper  
43 100  
58 36.8 30.4 45.6

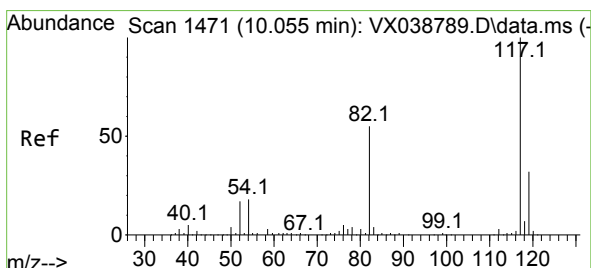
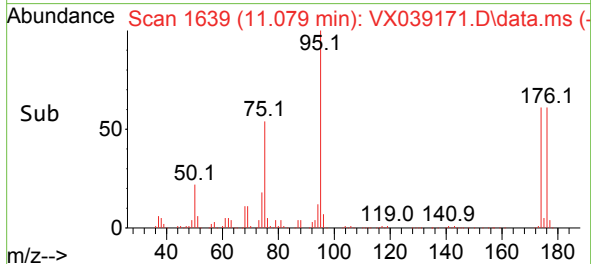
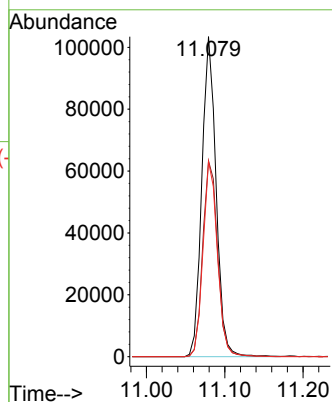
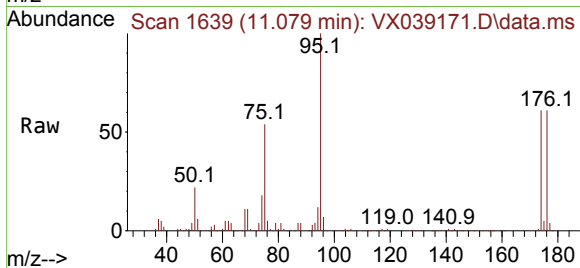




#62  
4-Bromofluorobenzene  
Concen: 51.174 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX039171.D  
Acq: 12 Dec 2023 17:20

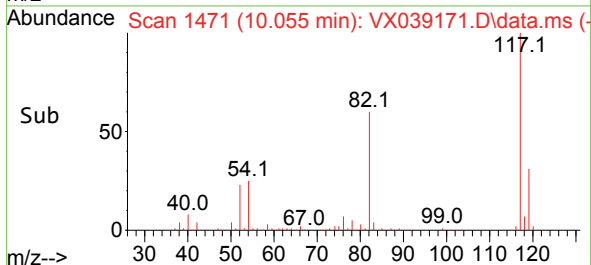
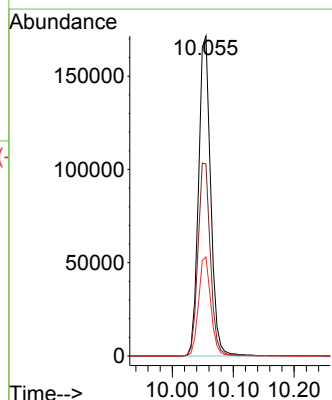
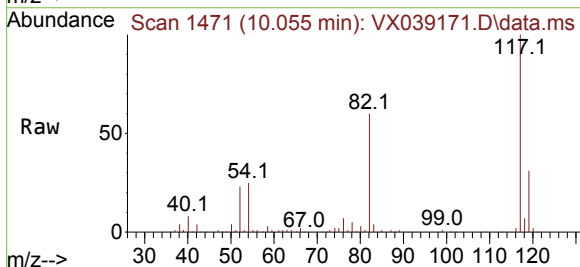
Instrument :  
MSVOA\_X  
ClientSampleId :

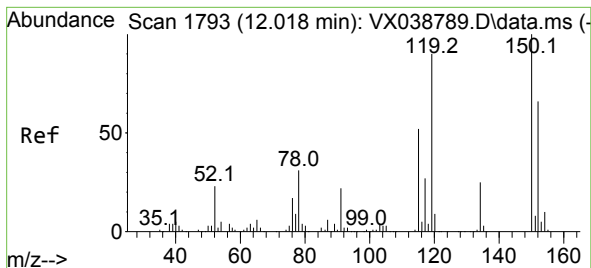
Tgt Ion: 95 Resp: 130799  
Ion Ratio Lower Upper  
95 100  
174 63.8 0.0 135.6  
176 61.5 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039171.D  
Acq: 12 Dec 2023 17:20

Tgt Ion: 117 Resp: 237592  
Ion Ratio Lower Upper  
117 100  
82 60.0 46.2 69.4  
119 31.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039171.D

Acq: 12 Dec 2023 17:20

Instrument :

MSVOA\_X

ClientSampleId :

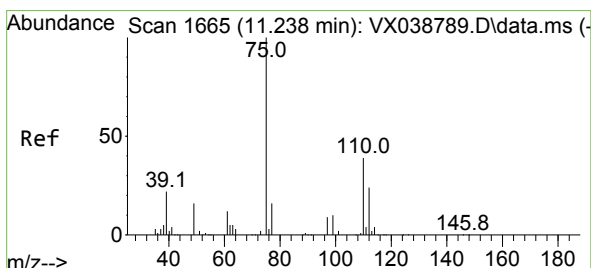
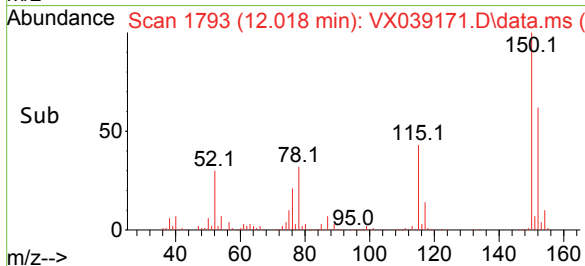
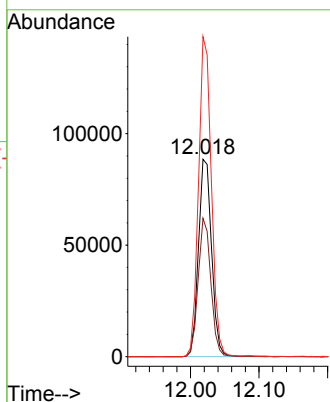
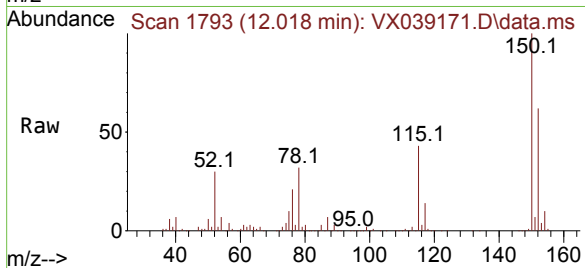
Tgt Ion:152 Resp: 118356

Ion Ratio Lower Upper

152 100

115 67.7 43.3 129.9

150 158.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.202 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039171.D

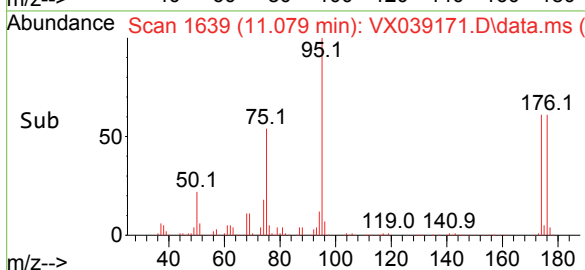
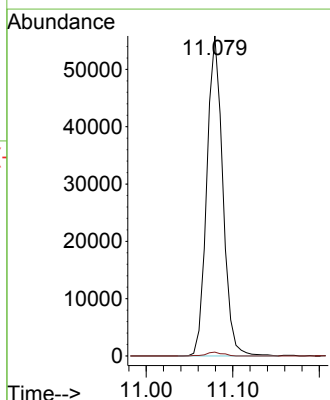
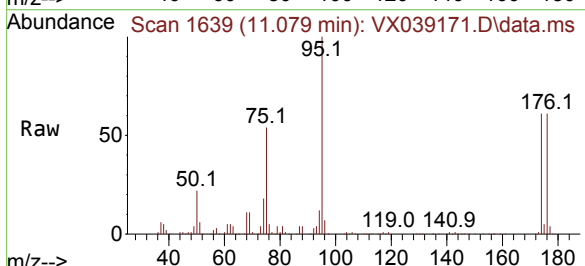
Acq: 12 Dec 2023 17:20

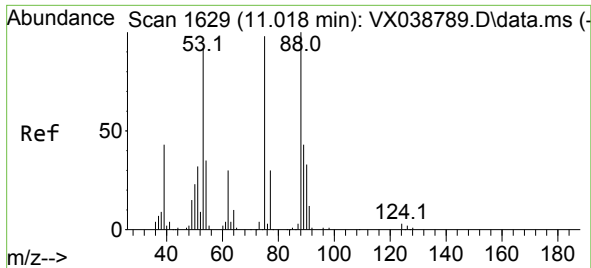
Tgt Ion: 75 Resp: 71467

Ion Ratio Lower Upper

75 100

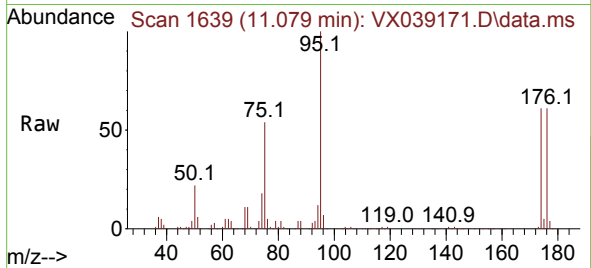
77 1.3 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 53.682 ug/l  
 RT: 11.079 min Scan# 10  
 Delta R.T. 0.061 min  
 Lab File: VX039171.D  
 Acq: 12 Dec 2023 17:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 71467  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

