

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040824\  
 Data File : VX040924.D  
 Acq On : 08 Apr 2024 13:01  
 Operator : JC/MD  
 Sample : P2002-02RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB01-040424

Quant Time: Apr 09 02:47:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 02 05:40:55 2024  
 Response via : Initial Calibration

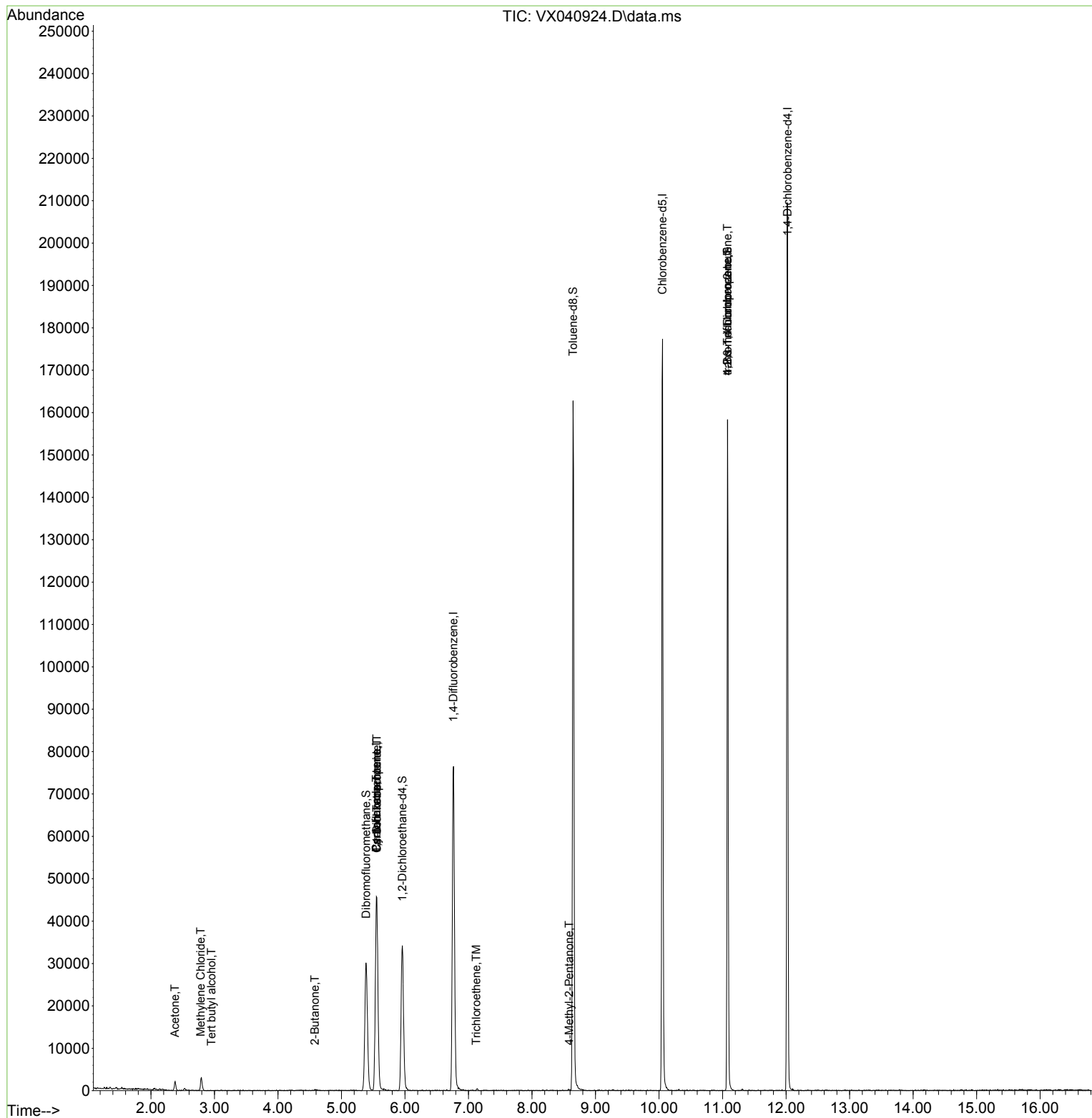
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 41099    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 74017    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 75169    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 39460    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 36712    | 49.784   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 99.560%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 25931    | 49.462   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 98.920%  |
| 50) Toluene-d8                | 8.647  | 98    | 94975    | 50.134   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 100.260% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 39051    | 51.619   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 103.240% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.953  | 59    | 46       | 0.342    | ug/l # | 78       |
| 16) Acetone                   | 2.379  | 43    | 2253     | 7.868    | ug/l   | 98       |
| 20) Methylene Chloride        | 2.782  | 84    | 1458     | 2.748    | ug/l # | 82       |
| 25) 2-Butanone                | 4.580  | 43    | 231      | 0.543    | ug/l # | 51       |
| 31) Cyclohexane               | 5.550  | 56    | 1166     | 1.490    | ug/l # | 33       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 3872     | 5.198    | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 4398     | 5.333    | ug/l # | 16       |
| 44) Trichloroethene           | 7.123  | 130   | 171      | 0.331    | ug/l   | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.586  | 43    | 218      | 0.233    | ug/l # | 37       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 23419    | 27.832   | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 23419    | 75.091   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

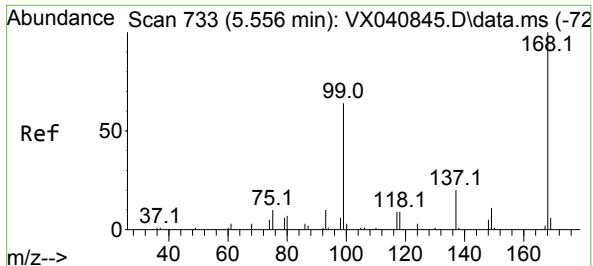
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-040424

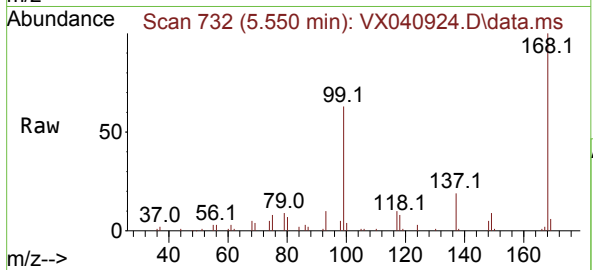
Quant Time: Apr 09 02:47:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 02 05:40:55 2024  
Response via : Initial Calibration



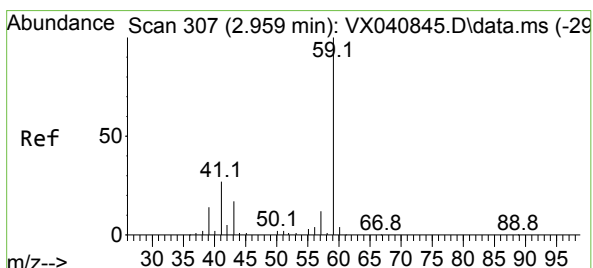
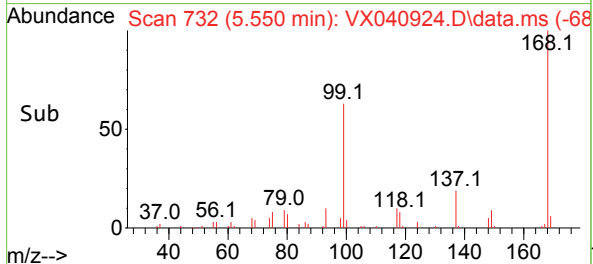
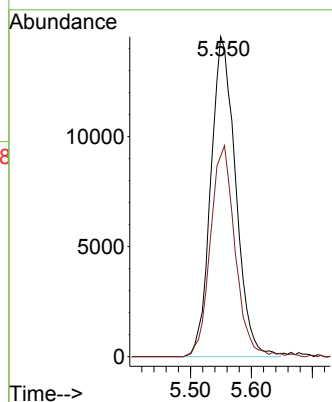


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-040424

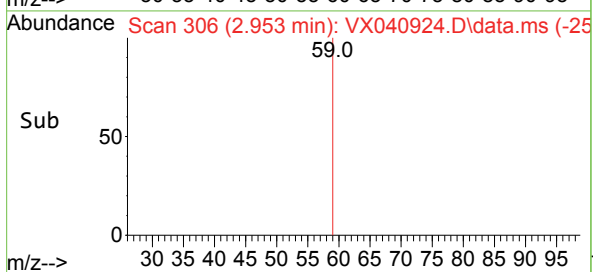
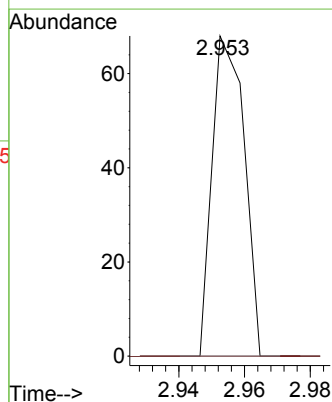
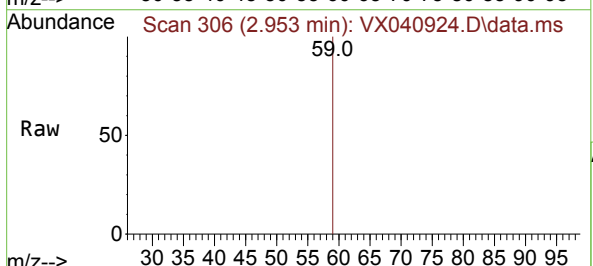


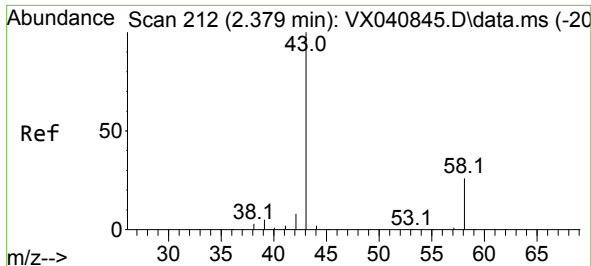
Tgt Ion:168 Resp: 41099  
Ion Ratio Lower Upper  
168 100  
99 62.7 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 0.342 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.006 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

Tgt Ion: 59 Resp: 46  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#





#16

Acetone

Concen: 7.868 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX040924.D

Acq: 08 Apr 2024 13:01

Instrument :

MSVOA\_X

ClientSampleId :

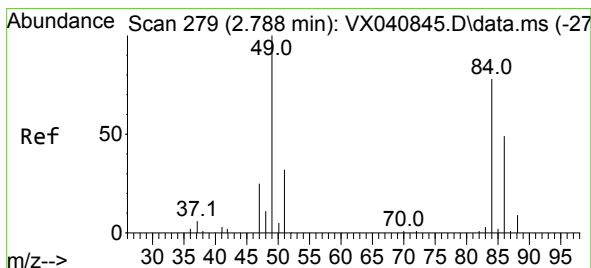
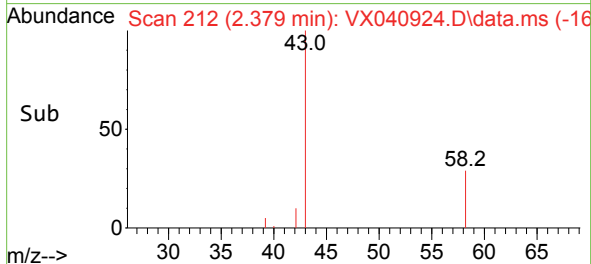
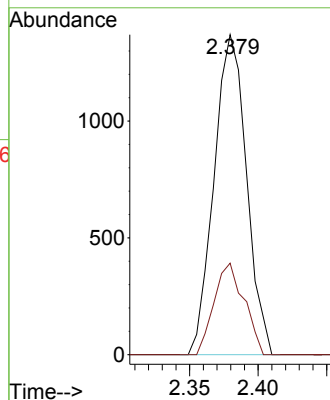
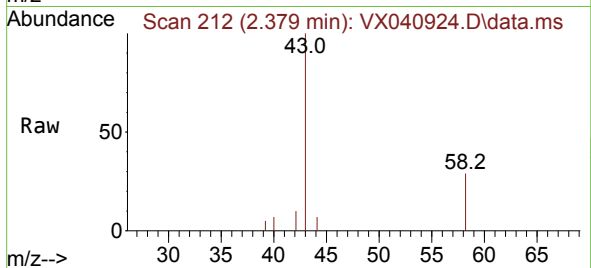
EB01-040424

Tgt Ion: 43 Resp: 2253

Ion Ratio Lower Upper

43 100

58 28.6 21.9 32.9



#20

Methylene Chloride

Concen: 2.748 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX040924.D

Acq: 08 Apr 2024 13:01

Tgt Ion: 84 Resp: 1458

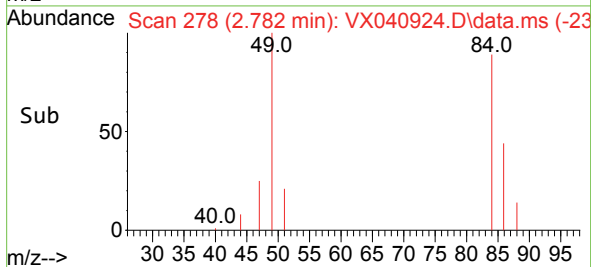
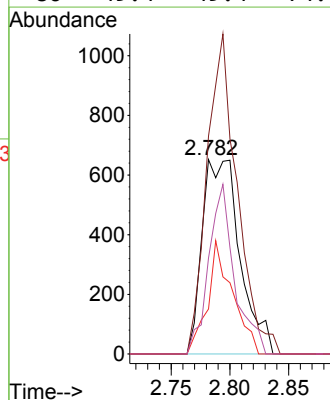
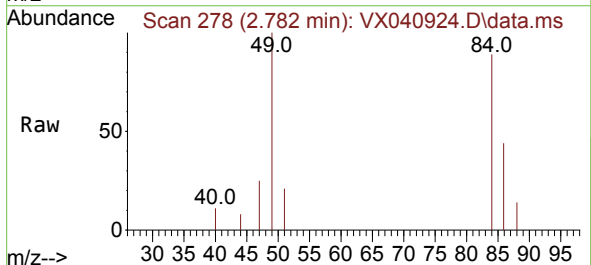
Ion Ratio Lower Upper

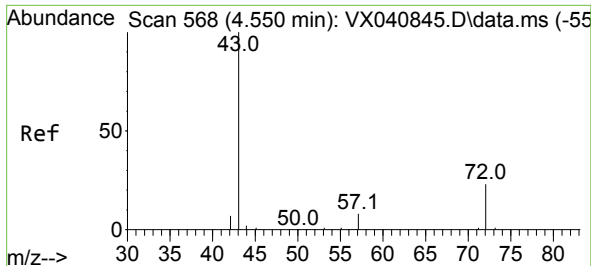
84 100

49 112.1 103.6 155.4

51 23.2 33.8 50.6#

86 49.4 49.4 74.0





#25

2-Butanone

Concen: 0.543 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX040924.D

Acq: 08 Apr 2024 13:01

Instrument :

MSVOA\_X

ClientSampleId :

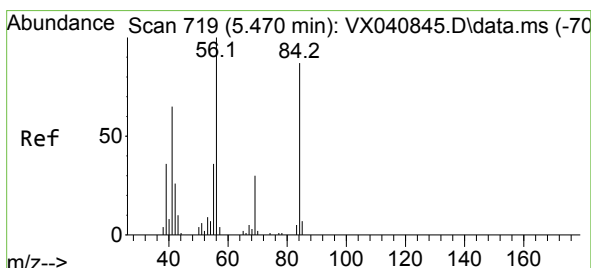
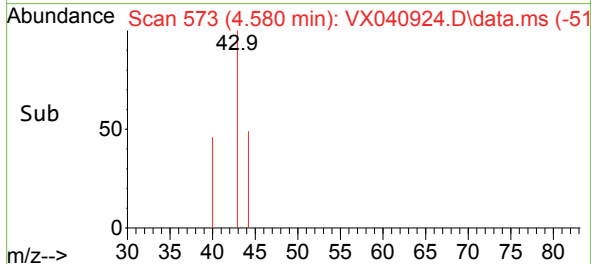
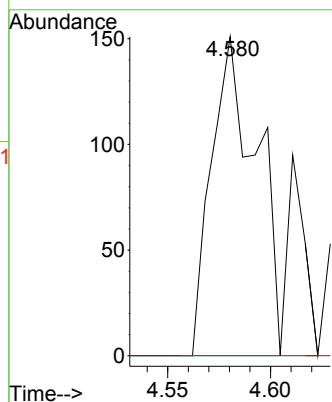
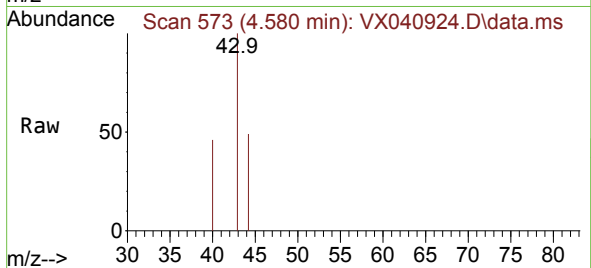
EB01-040424

Tgt Ion: 43 Resp: 231

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#31

Cyclohexane

Concen: 1.490 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040924.D

Acq: 08 Apr 2024 13:01

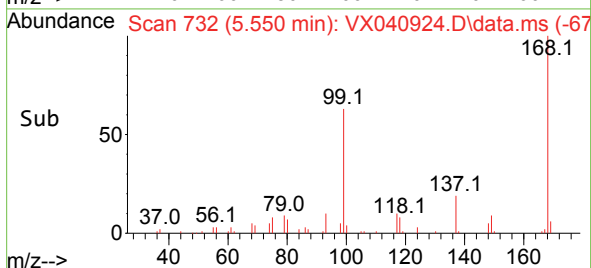
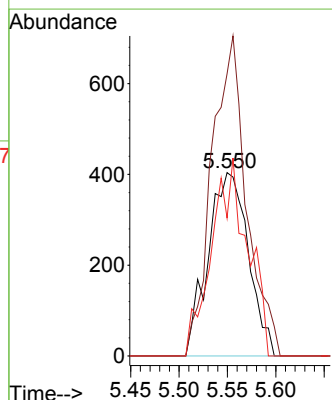
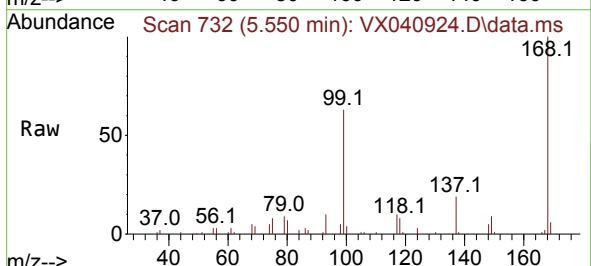
Tgt Ion: 56 Resp: 1166

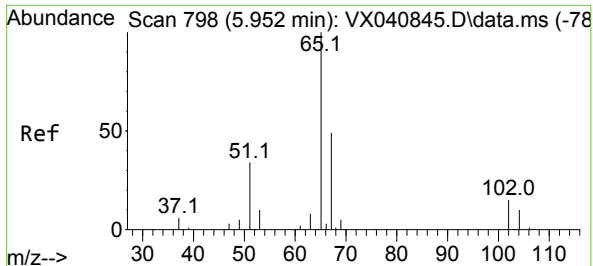
Ion Ratio Lower Upper

56 100

69 154.0 23.4 35.2#

84 75.2 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 49.784 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040924.D

Acq: 08 Apr 2024 13:01

Instrument :

MSVOA\_X

ClientSampleId :

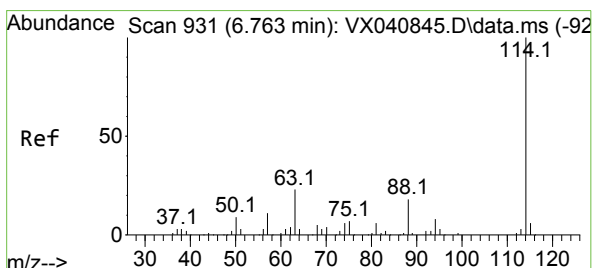
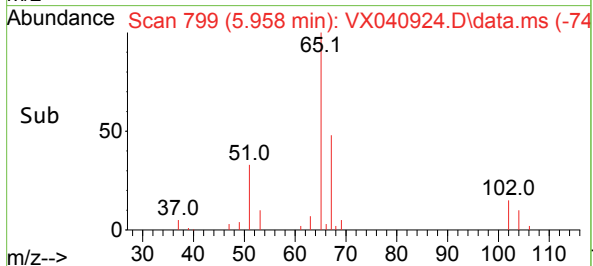
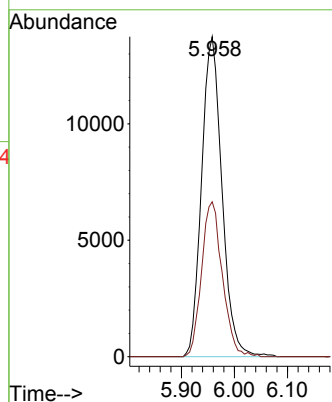
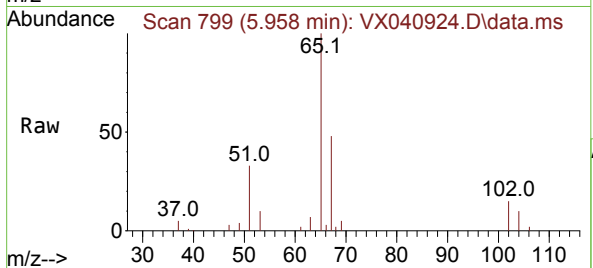
EB01-040424

Tgt Ion: 65 Resp: 36712

Ion Ratio Lower Upper

65 100

67 49.3 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: VX040924.D

Acq: 08 Apr 2024 13:01

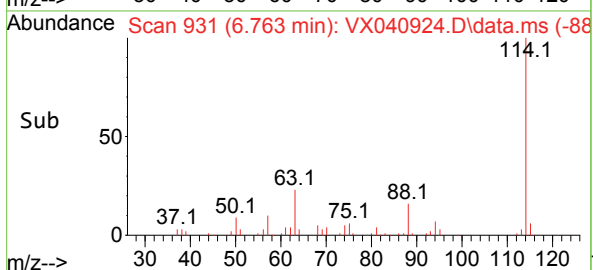
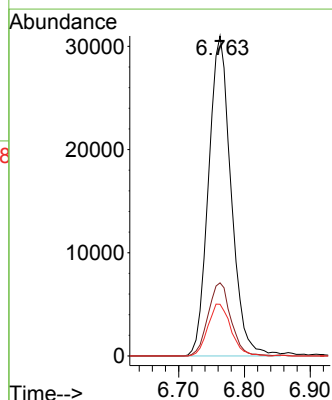
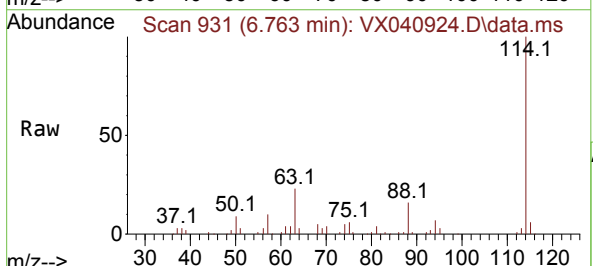
Tgt Ion: 114 Resp: 74017

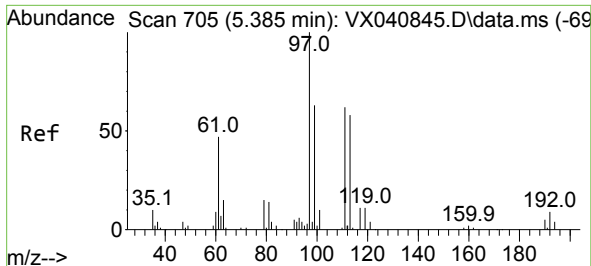
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.0

88 16.1 0.0 36.6

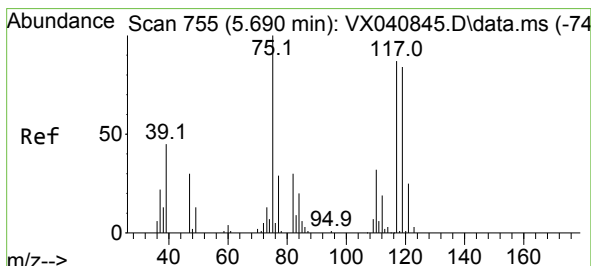
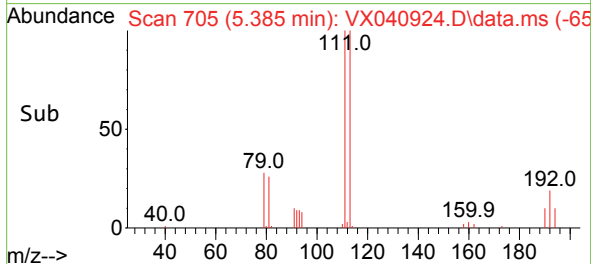
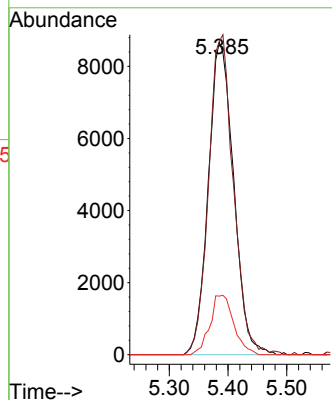
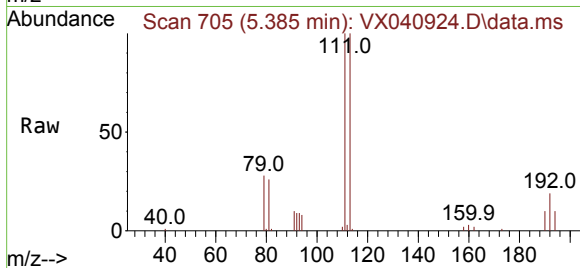




#35  
Dibromofluoromethane  
Concen: 49.462 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

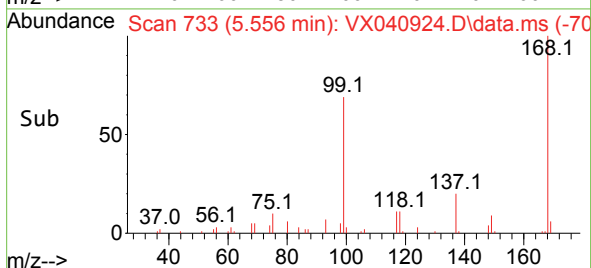
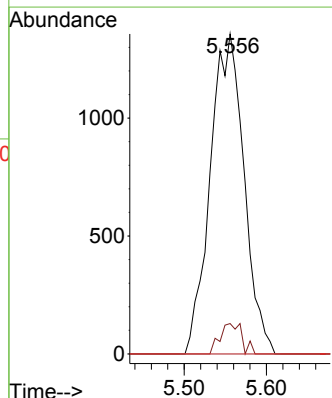
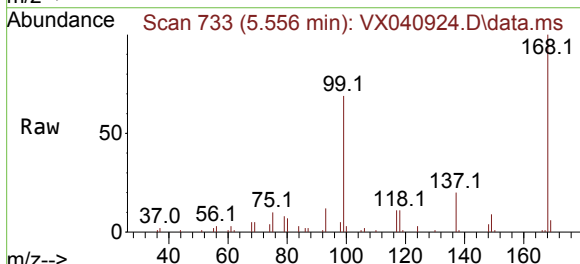
Instrument :  
MSVOA\_X  
ClientSampleId :  
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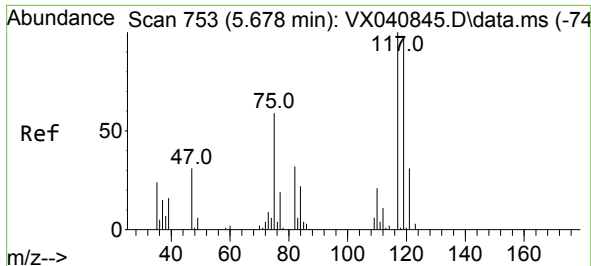
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 25931 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 100.4 | 82.9  | 124.3 |
| 192      | 17.9  | 13.3  | 19.9  |



#36  
1,1-Dichloropropene  
Concen: 5.198 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

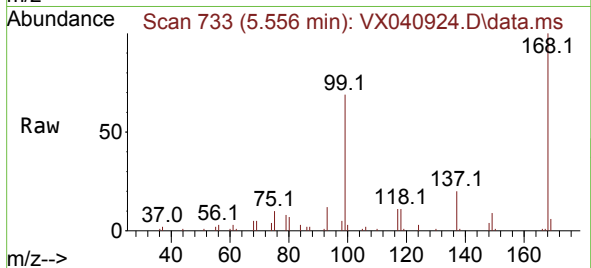
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3872  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 6.2   | 17.0  | 50.9# |
| 77       | 0.0   | 24.7  | 37.1# |



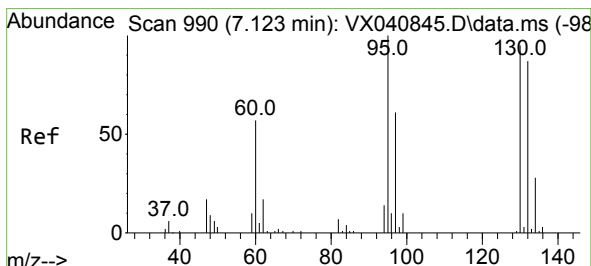
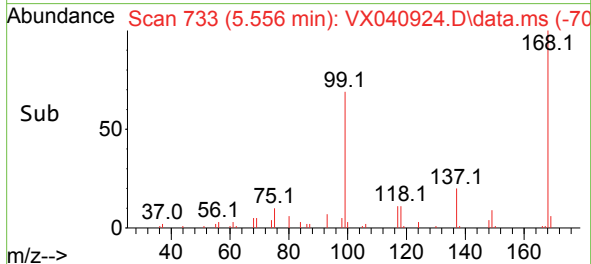
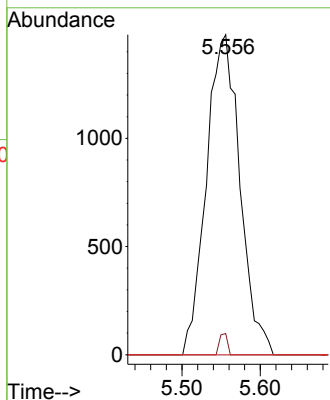


#38  
Carbon Tetrachloride  
Concen: 5.333 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-040424

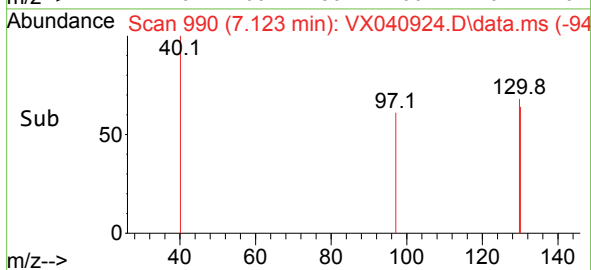
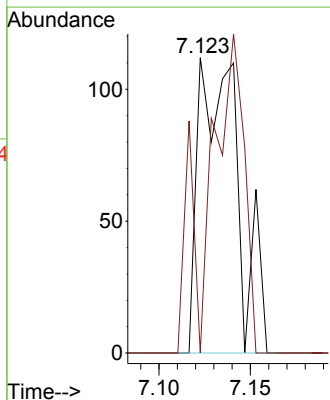
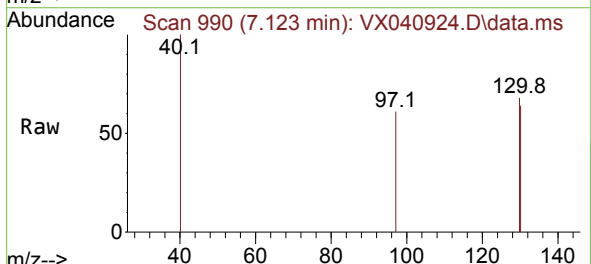


Tgt Ion:117 Resp: 4398  
Ion Ratio Lower Upper  
117 100  
119 6.6 78.2 117.2#  
121 0.0 24.4 36.6#

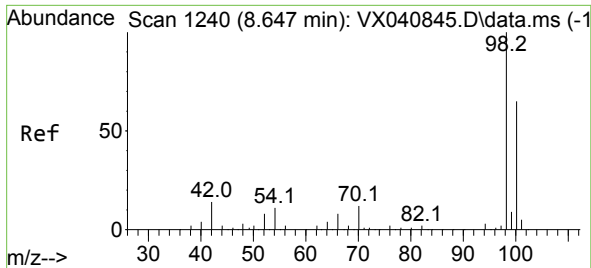


#44  
Trichloroethene  
Concen: 0.331 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

Tgt Ion:130 Resp: 171  
Ion Ratio Lower Upper  
130 100  
95 0.0 0.0 204.4



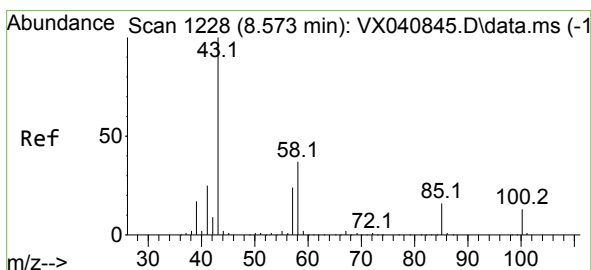
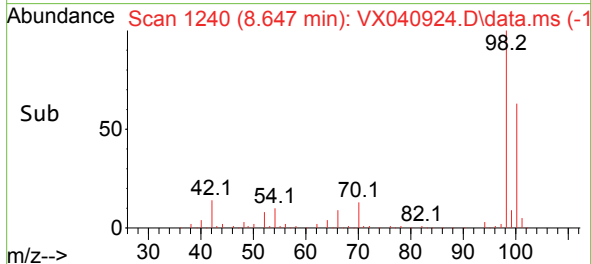
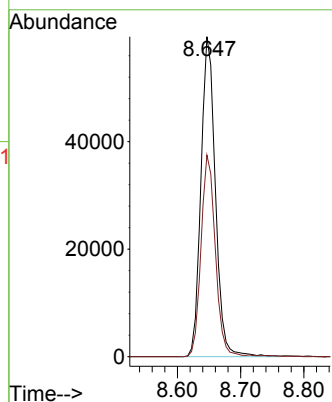
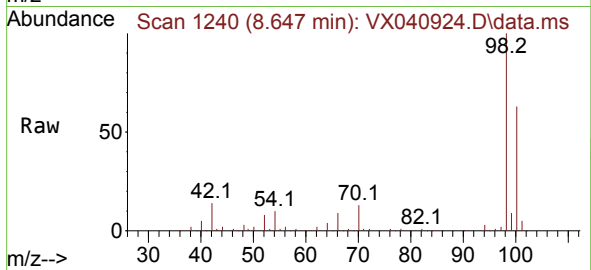




#50  
Toluene-d8  
Concen: 50.134 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

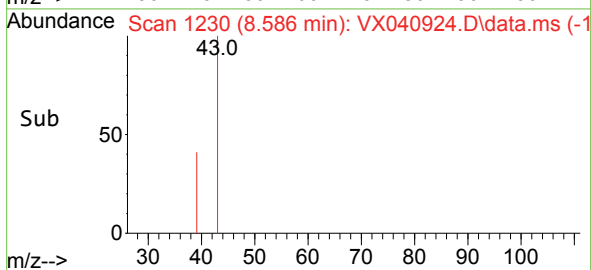
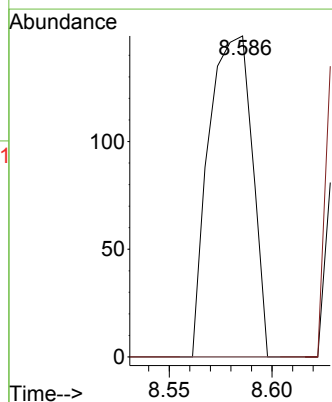
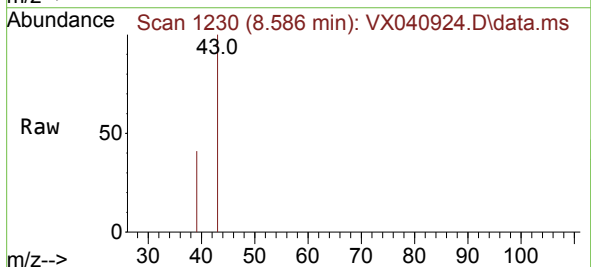
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-040424

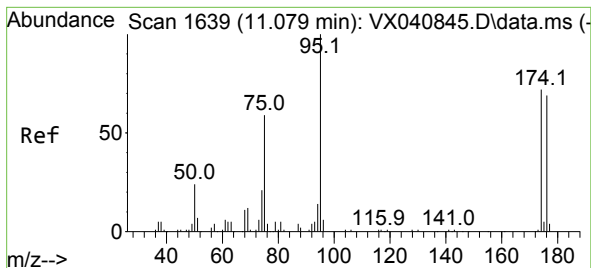
Tgt Ion: 98 Resp: 94975  
Ion Ratio Lower Upper  
98 100  
100 62.8 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.233 ug/l  
RT: 8.586 min Scan# 1230  
Delta R.T. 0.012 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

Tgt Ion: 43 Resp: 218  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.4 45.6#

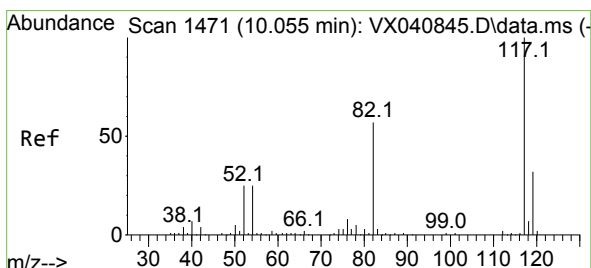
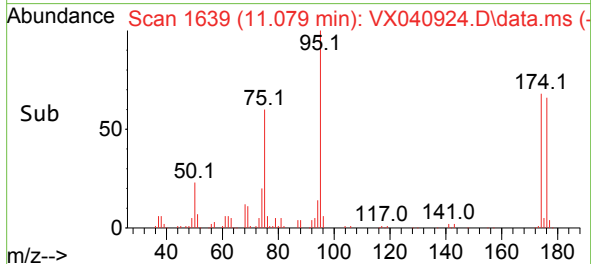
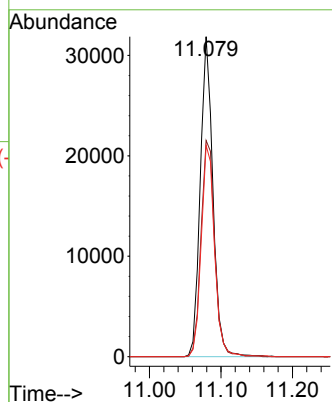
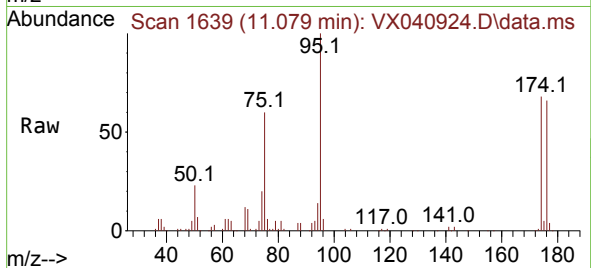




#62  
4-Bromofluorobenzene  
Concen: 51.619 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

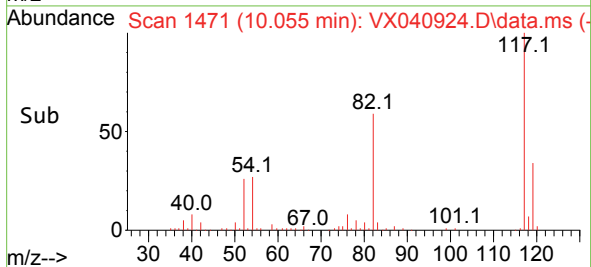
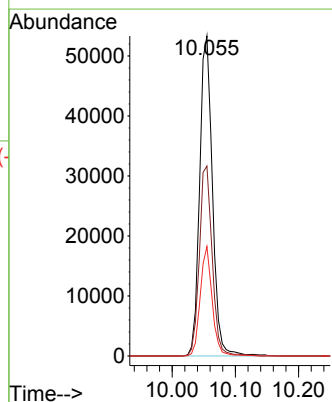
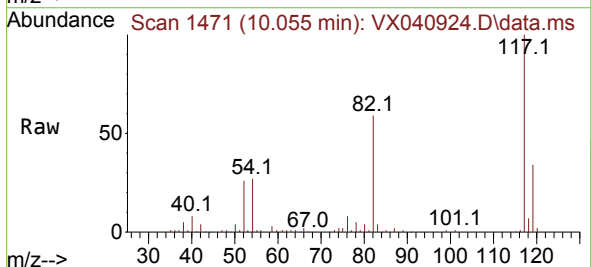
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-040424

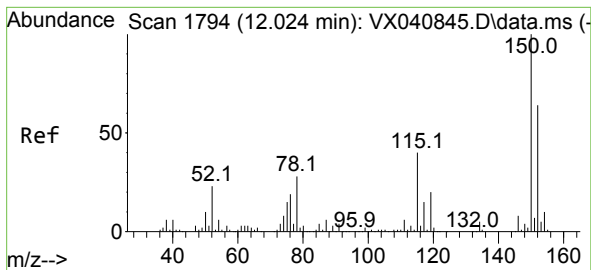
Tgt Ion: 95 Resp: 39051  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 135.6  
176 69.8 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

Tgt Ion: 117 Resp: 75169  
Ion Ratio Lower Upper  
117 100  
82 59.4 46.2 69.4  
119 34.2 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: VX040924.D

Acq: 08 Apr 2024 13:01

Instrument :

MSVOA\_X

ClientSampleId :

EB01-040424

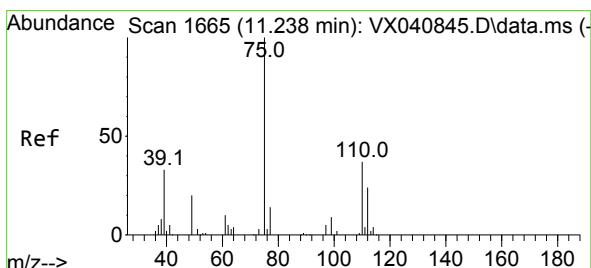
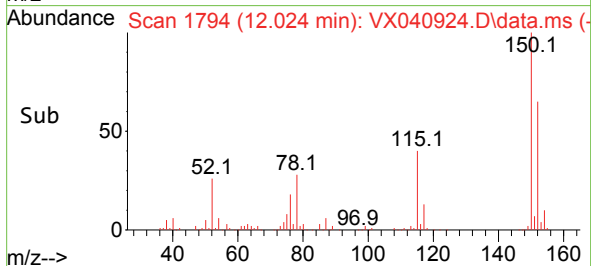
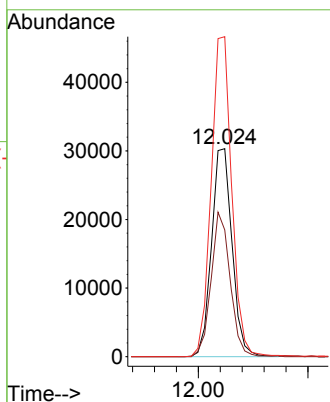
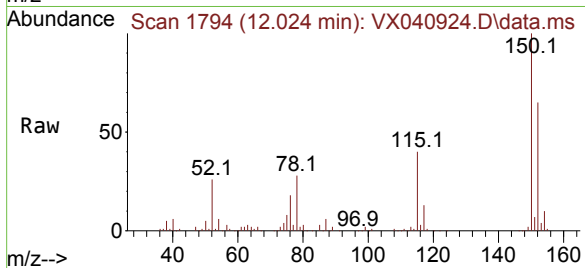
Tgt Ion:152 Resp: 39460

Ion Ratio Lower Upper

152 100

115 64.4 43.3 129.9

150 154.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.832 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040924.D

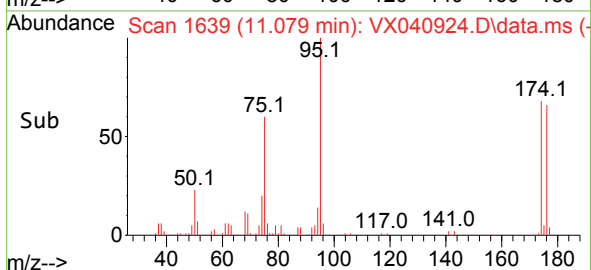
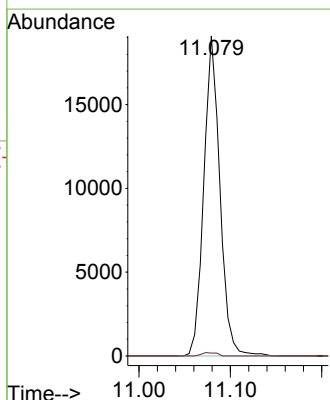
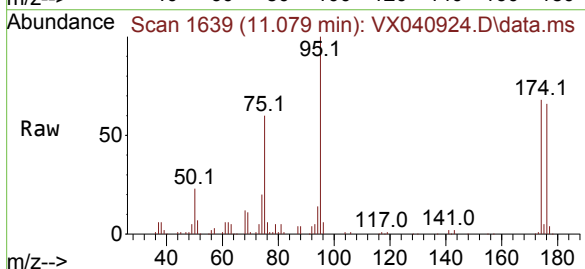
Acq: 08 Apr 2024 13:01

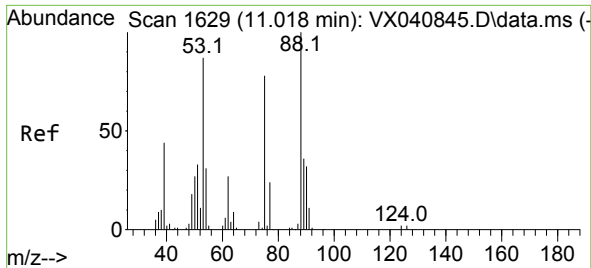
Tgt Ion: 75 Resp: 23419

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.091 ug/l  
RT: 11.079 min Scan# 10  
Delta R.T. 0.061 min  
Lab File: VX040924.D  
Acq: 08 Apr 2024 13:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-040424

Tgt Ion: 75 Resp: 23419  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

