

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042324\  
 Data File : VX041222.D  
 Acq On : 23 Apr 2024 17:59  
 Operator : JC/MD  
 Sample : P2201-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 24 01:51:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:30:28 2024  
 Response via : Initial Calibration

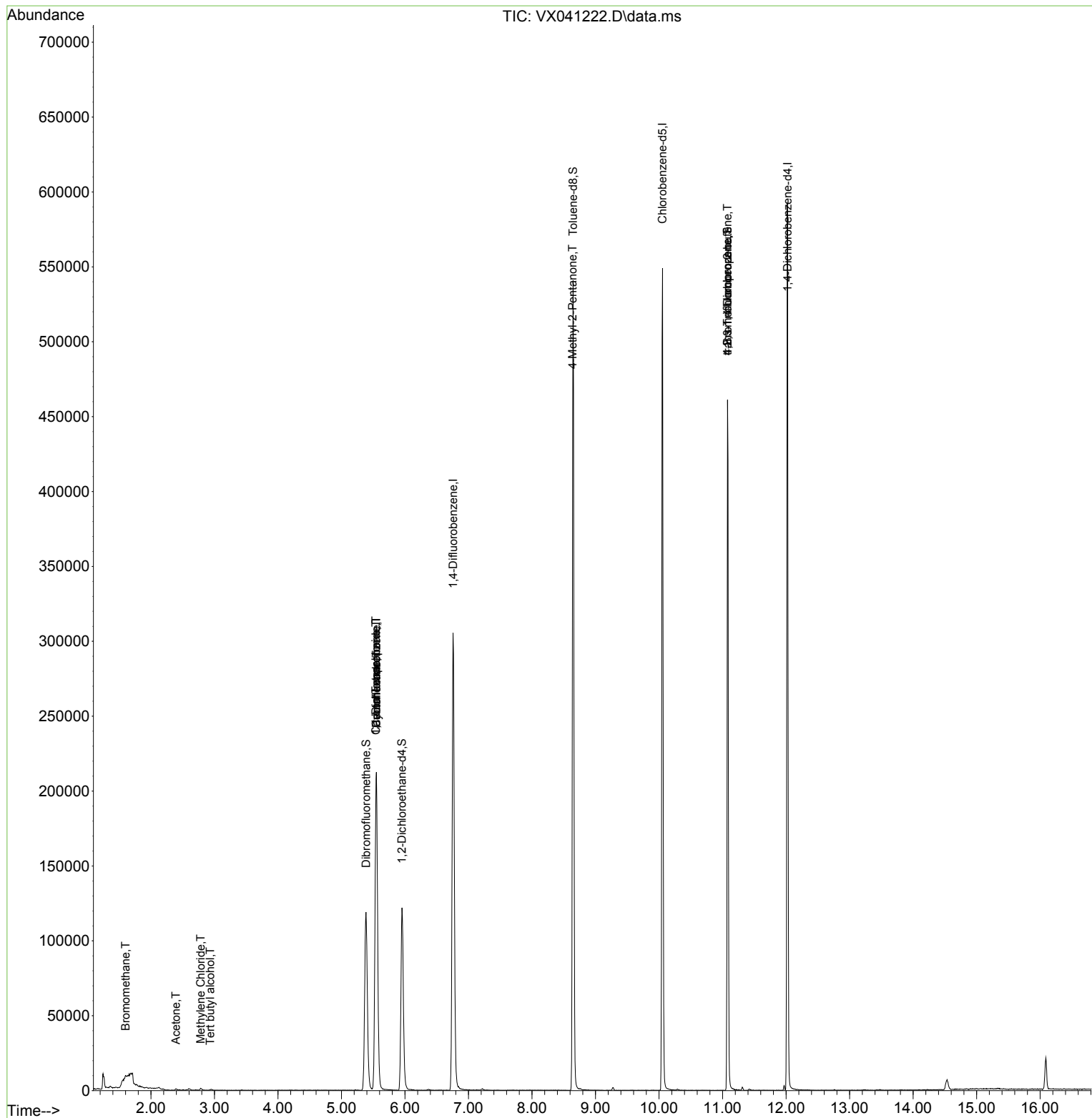
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550     | 168   | 232578   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.757     | 114   | 334730   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 262164   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 138609   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952     | 65    | 119476   | 53.965   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 107.920% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 103868   | 51.013   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 102.020% |          |
| 50) Toluene-d8                | 8.647     | 98    | 322563   | 46.955   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 93.900%  |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 112890   | 44.522   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 89.040%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 1.599     | 94    | 647      | 0.577    | ug/l       | 94       |
| 11) Tert butyl alcohol        | 2.934     | 59    | 153      | 0.386    | ug/l #     | 78       |
| 16) Acetone                   | 2.392     | 43    | 1078     | 1.338    | ug/l #     | 88       |
| 20) Methylene Chloride        | 2.782     | 84    | 645      | 0.328    | ug/l #     | 87       |
| 31) Cyclohexane               | 5.550     | 56    | 3407     | 1.143    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.544     | 75    | 14025    | 5.383    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.544     | 117   | 19481    | 6.695    | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.641     | 43    | 1305     | 0.453    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 58346    | 26.126   | ug/l #     | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 58346    | 73.710   | ug/l #     | 5        |
| -----                         |           |       |          |          |            |          |

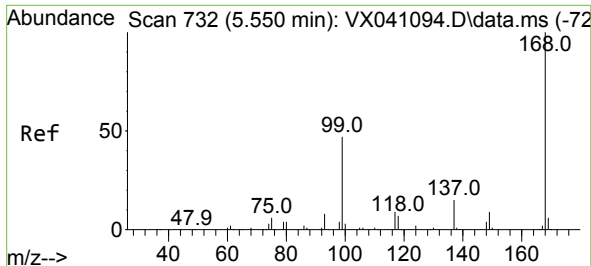
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042324\  
Data File : VX041222.D  
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Sample : P2201-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

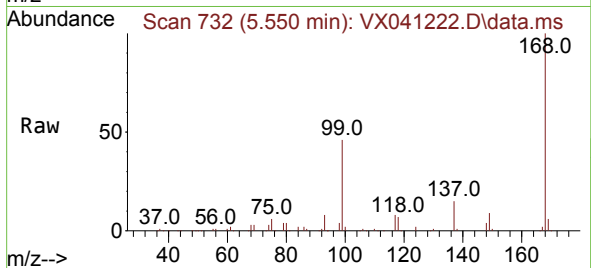
Quant Time: Apr 24 01:51:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 23 05:30:28 2024  
Response via : Initial Calibration



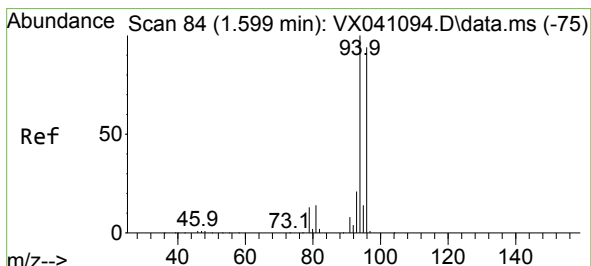
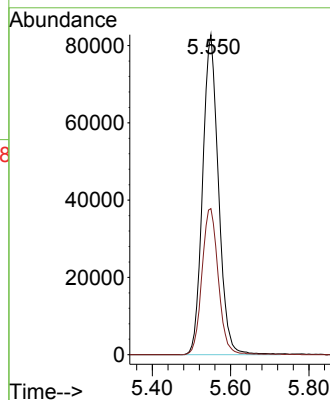
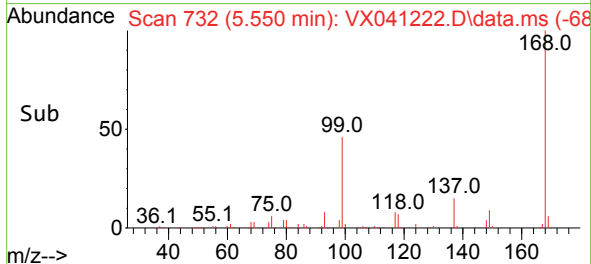


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX041222.D  
Acq: 23 Apr 2024 17:59

Instrument :  
MSVOA\_X  
ClientSampleId :

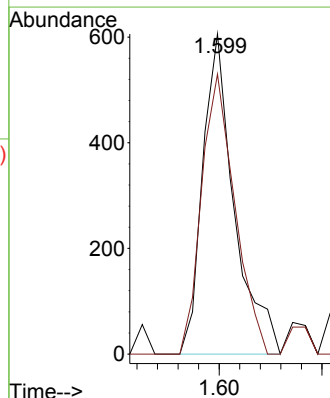
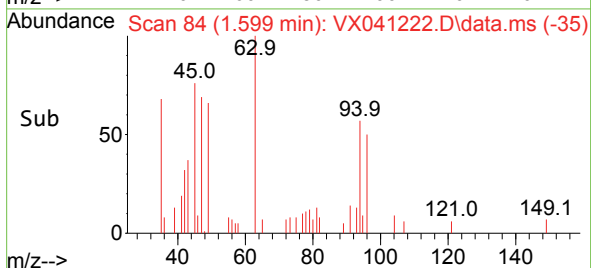
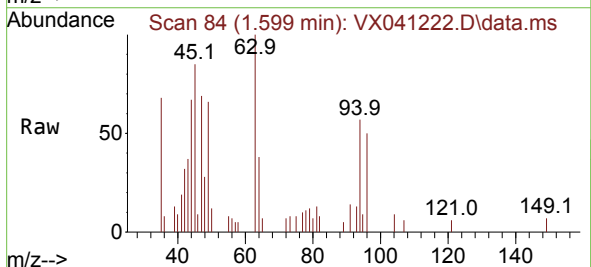


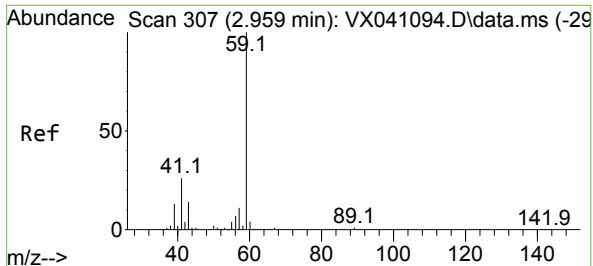
Tgt Ion:168 Resp: 232578  
Ion Ratio Lower Upper  
168 100  
99 45.7 56.6 85.0#



#5  
Bromomethane  
Concen: 0.577 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VX041222.D  
Acq: 23 Apr 2024 17:59

Tgt Ion: 94 Resp: 647  
Ion Ratio Lower Upper  
94 100  
96 87.5 74.6 111.8





#11

Tert butyl alcohol

Concen: 0.386 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.128 min

Lab File: VX041222.D

Acq: 23 Apr 2024 17:59

Instrument :

MSVOA\_X

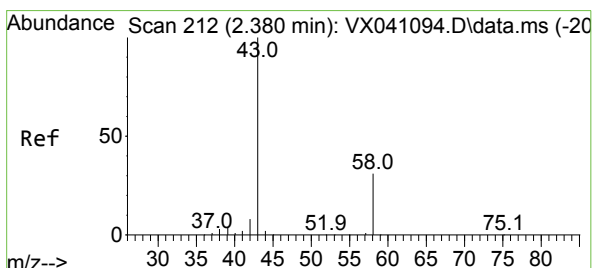
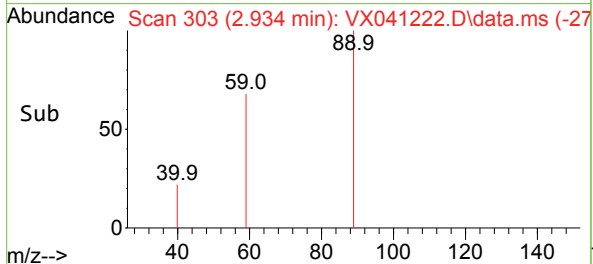
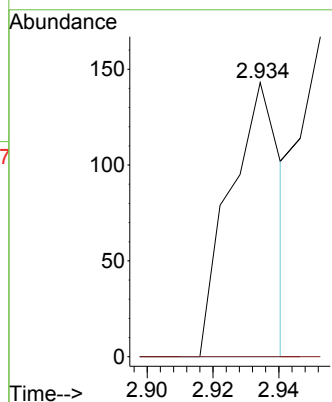
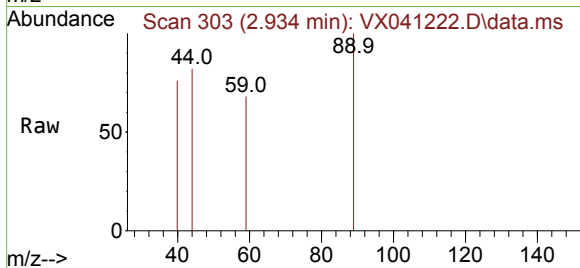
ClientSampleId :

Tgt Ion: 59 Resp: 153

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 1.338 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041222.D

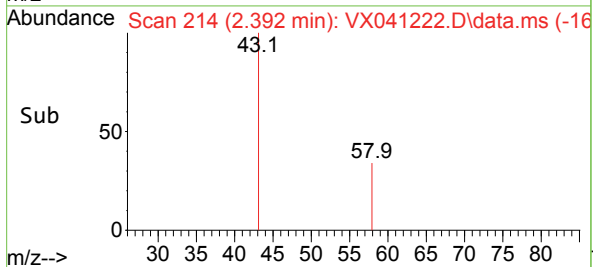
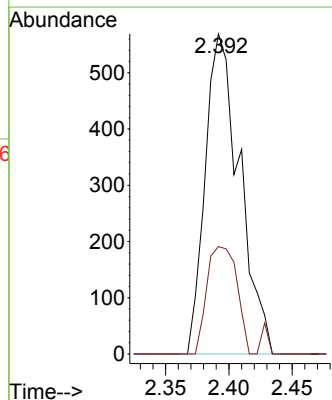
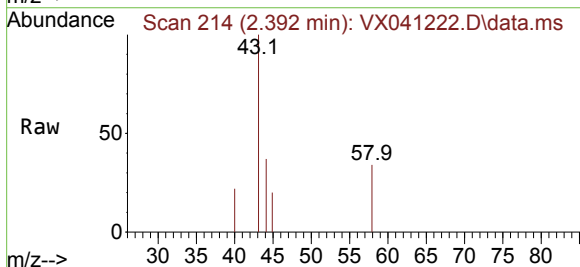
Acq: 23 Apr 2024 17:59

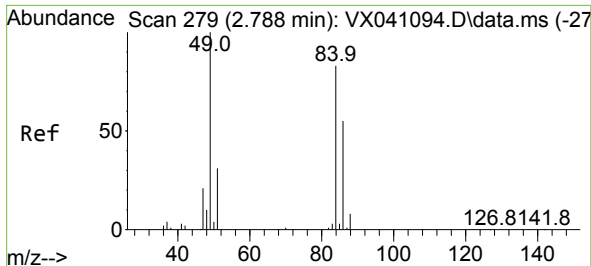
Tgt Ion: 43 Resp: 1078

Ion Ratio Lower Upper

43 100

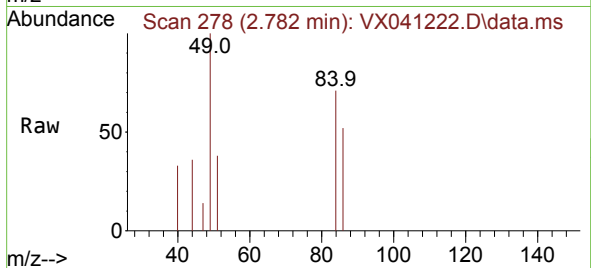
58 33.6 21.9 32.9#



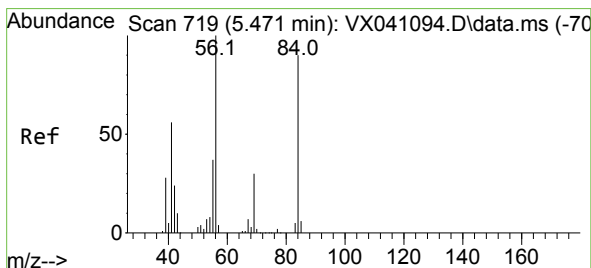
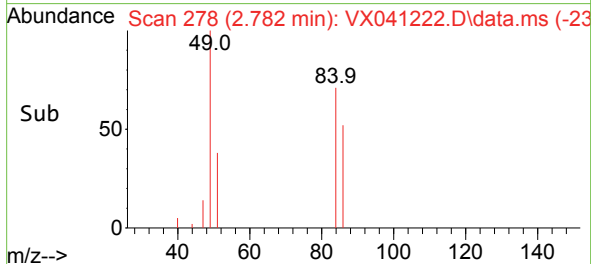
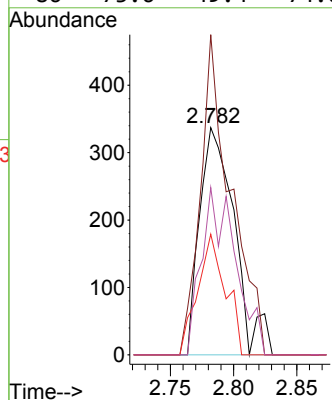


#20  
Methylene Chloride  
Concen: 0.328 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX041222.D  
Acq: 23 Apr 2024 17:59

Instrument :  
MSVOA\_X  
ClientSampleId :

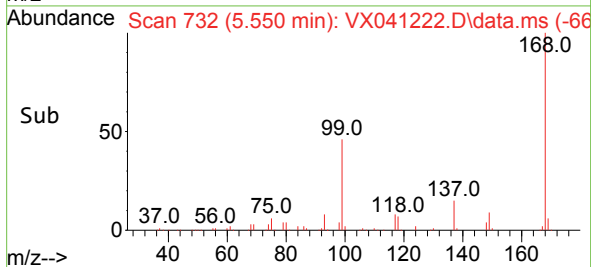
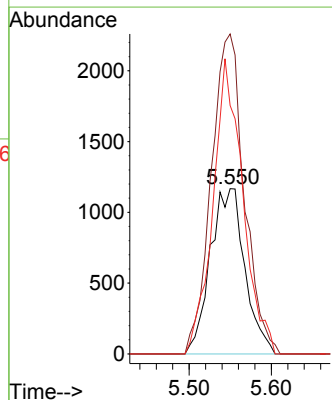
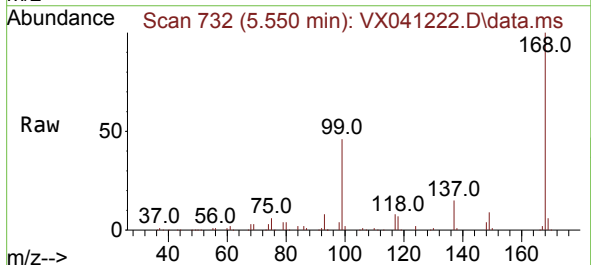


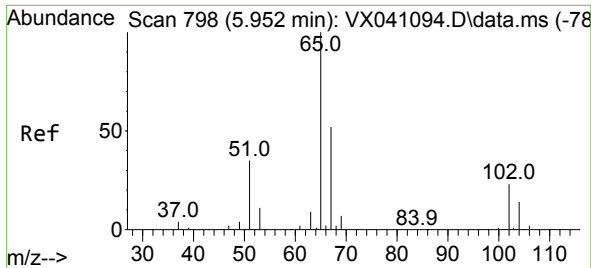
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 645   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 140.9 | 103.6 | 155.4 |
| 51       | 53.1  | 33.8  | 50.6# |
| 86       | 73.6  | 49.4  | 74.0  |



#31  
Cyclohexane  
Concen: 1.143 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.085 min  
Lab File: VX041222.D  
Acq: 23 Apr 2024 17:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 3407  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 193.7 | 23.4  | 35.2# |
| 84       | 150.4 | 65.9  | 98.9# |

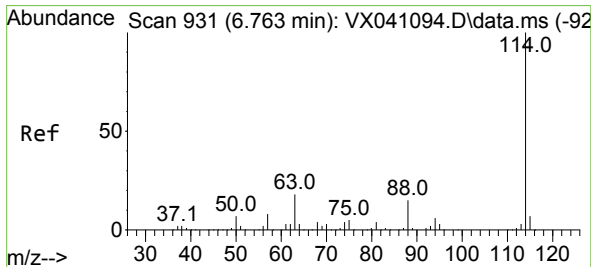
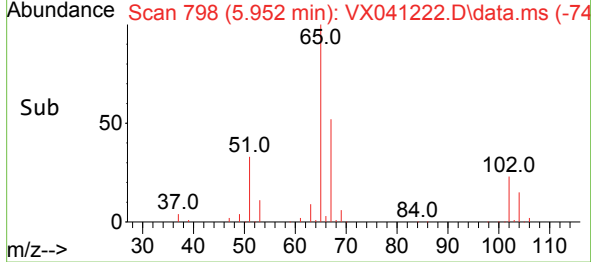
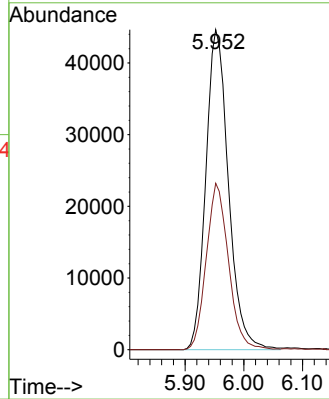
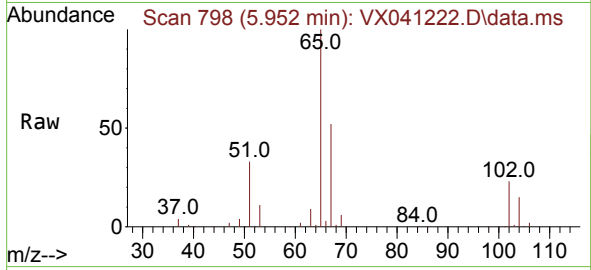




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.965 ug/l  
 RT: 5.952 min Scan# 798  
 Delta R.T. -0.000 min  
 Lab File: VX041222.D  
 Acq: 23 Apr 2024 17:59

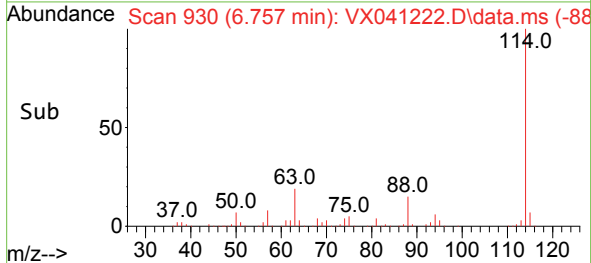
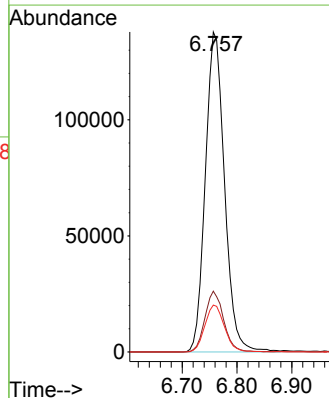
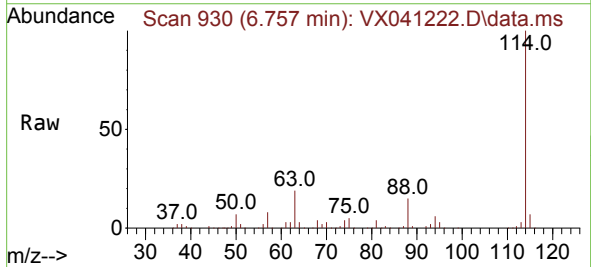
Instrument :  
 MSVOA\_X  
 ClientSampleId :

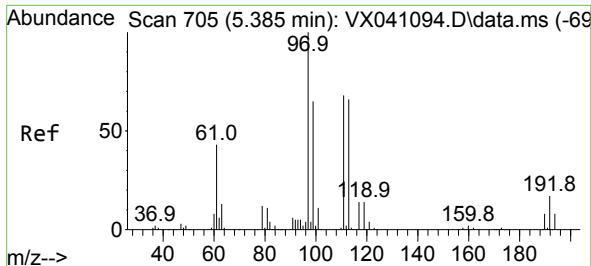
Tgt Ion: 65 Resp: 119476  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. -0.000 min  
 Lab File: VX041222.D  
 Acq: 23 Apr 2024 17:59

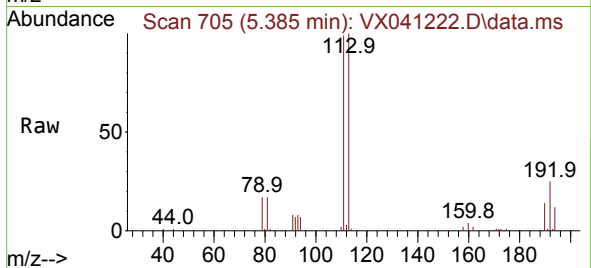
Tgt Ion: 114 Resp: 334730  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 45.0  
 88 14.7 0.0 36.6



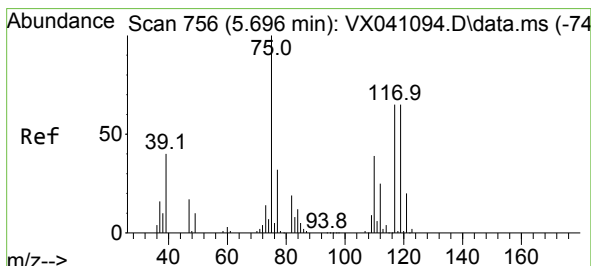
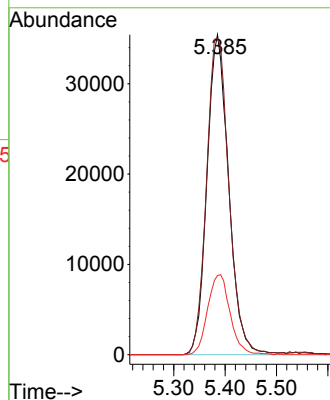
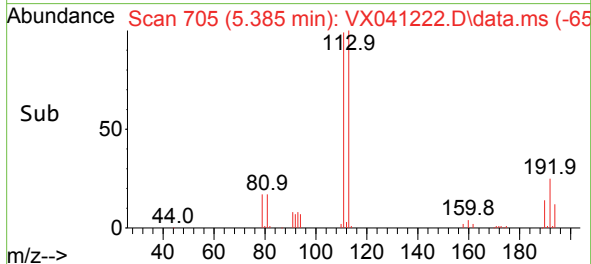


#35  
Dibromofluoromethane  
Concen: 51.013 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX041222.D  
Acq: 23 Apr 2024 17:59

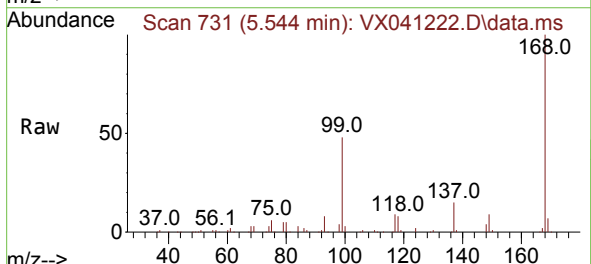
Instrument :  
MSVOA\_X  
ClientSampleId :



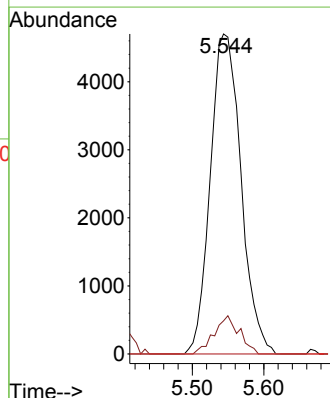
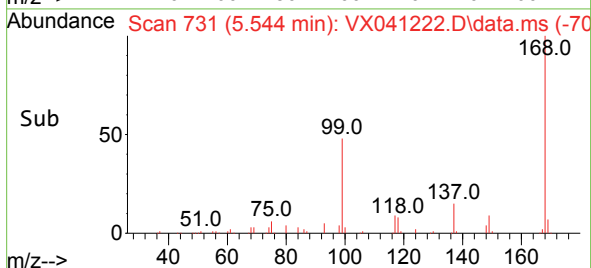
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Ion Ratio Lower Upper  
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111 102.7 82.9 124.3  
192 25.8 13.3 19.9#

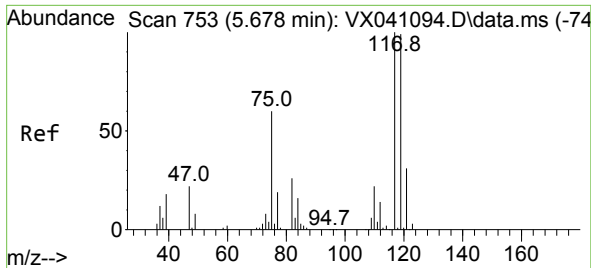


#36  
1,1-Dichloropropene  
Concen: 5.383 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX041222.D  
Acq: 23 Apr 2024 17:59



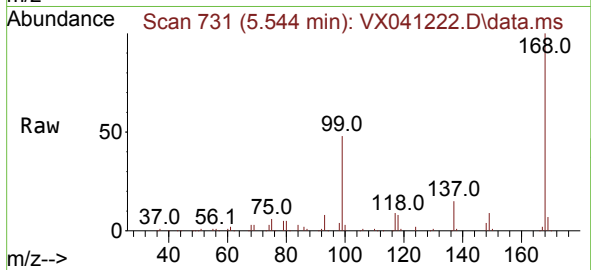
Tgt Ion: 75 Resp: 14025  
Ion Ratio Lower Upper  
75 100  
110 9.8 17.0 50.9#  
77 0.0 24.7 37.1#



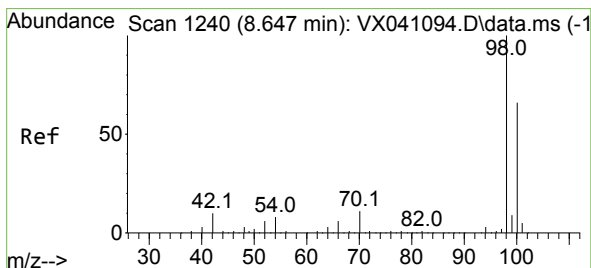
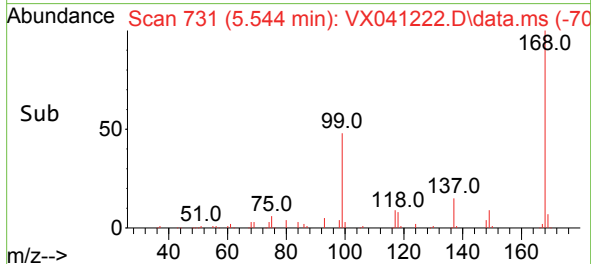
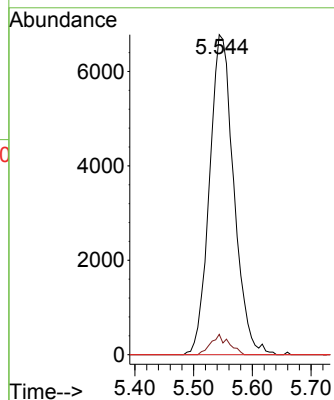


#38  
Carbon Tetrachloride  
Concen: 6.695 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX041222.D  
Acq: 23 Apr 2024 17:59

Instrument :  
MSVOA\_X  
ClientSampleId :

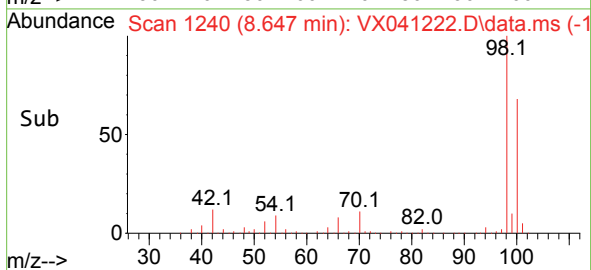
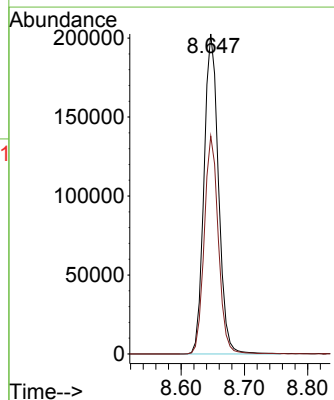
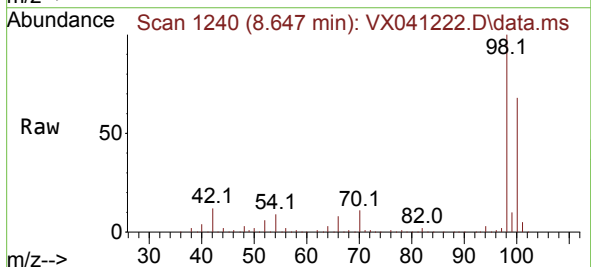


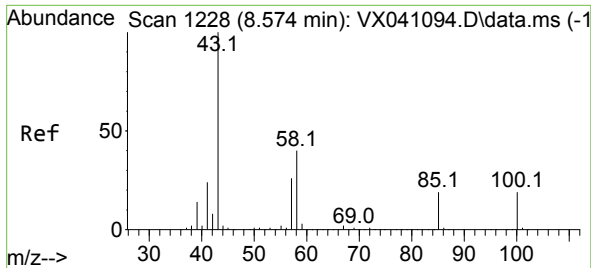
Tgt Ion:117 Resp: 19481  
Ion Ratio Lower Upper  
117 100  
119 6.3 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 46.955 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX041222.D  
Acq: 23 Apr 2024 17:59

Tgt Ion: 98 Resp: 322563  
Ion Ratio Lower Upper  
98 100  
100 66.5 53.1 79.7

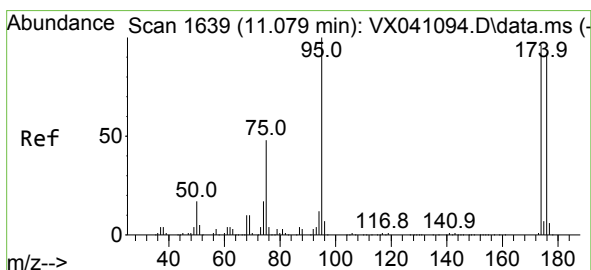
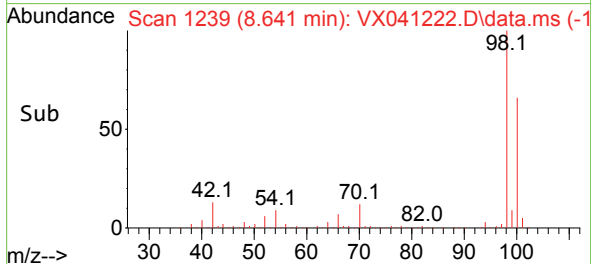
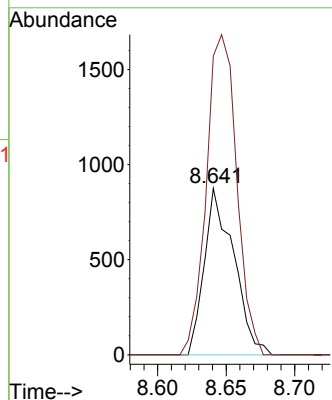
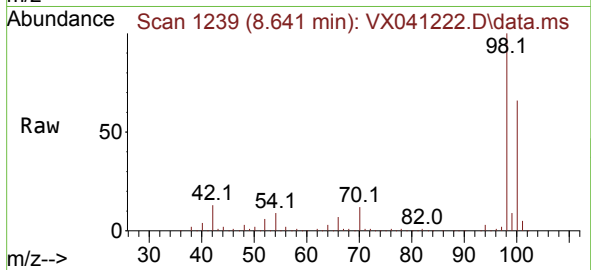




#51  
4-Methyl-2-Pentanone  
Concen: 0.453 ug/l  
RT: 8.641 min Scan# 11  
Delta R.T. 0.061 min  
Lab File: VX041222.D  
Acq: 23 Apr 2024 17:59

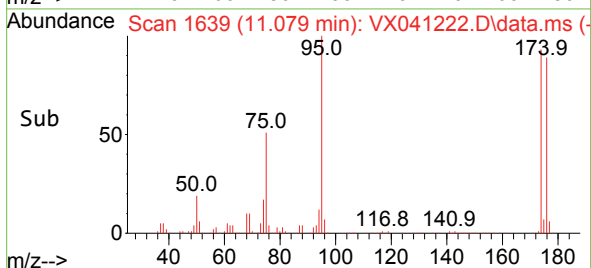
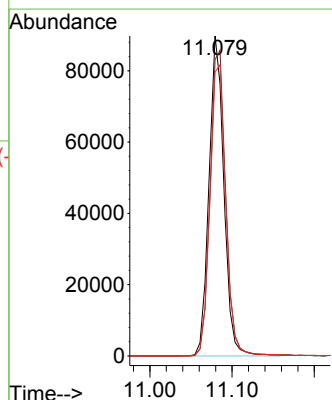
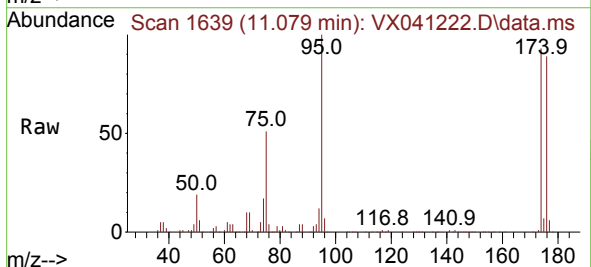
Instrument :  
MSVOA\_X  
ClientSampleId :

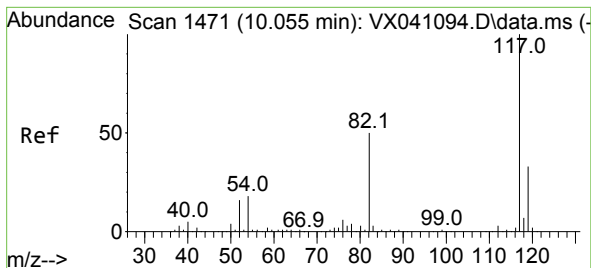
Tgt Ion: 43 Resp: 1305  
Ion Ratio Lower Upper  
43 100  
58 198.8 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 44.522 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX041222.D  
Acq: 23 Apr 2024 17:59

Tgt Ion: 95 Resp: 112890  
Ion Ratio Lower Upper  
95 100  
174 100.9 0.0 135.6  
176 96.6 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: VX041222.D

Acq: 23 Apr 2024 17:59

Instrument :

MSVOA\_X

ClientSampleId :

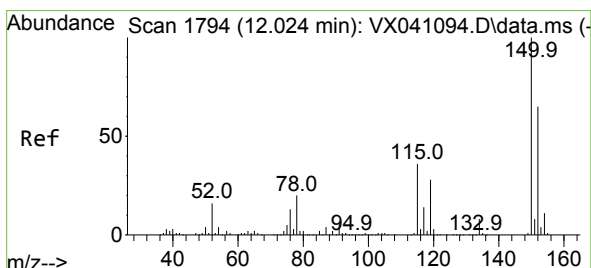
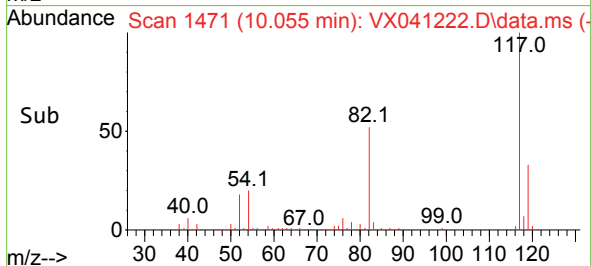
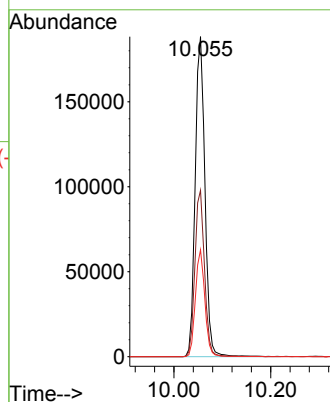
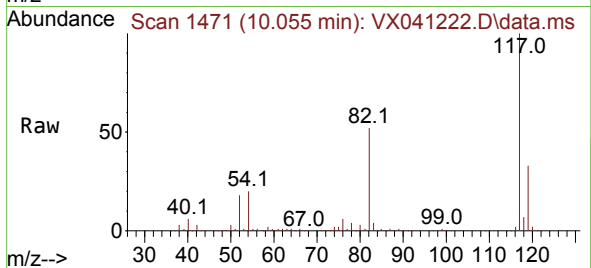
Tgt Ion:117 Resp: 262164

Ion Ratio Lower Upper

117 100

82 52.0 46.2 69.4

119 33.4 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX041222.D

Acq: 23 Apr 2024 17:59

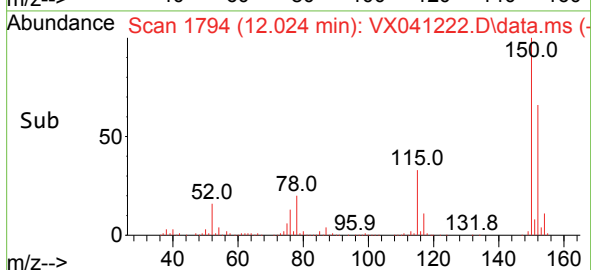
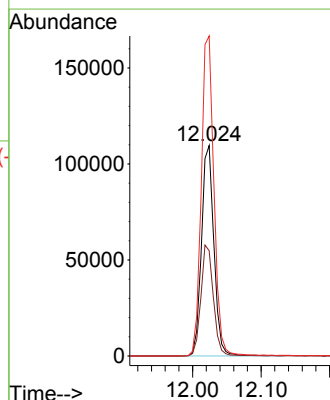
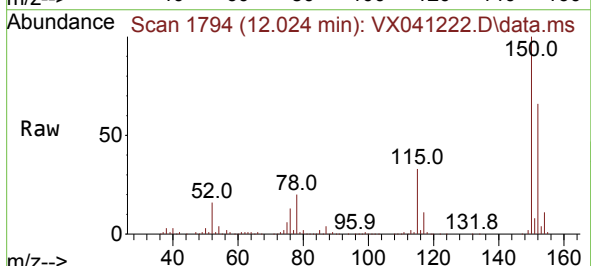
Tgt Ion:152 Resp: 138609

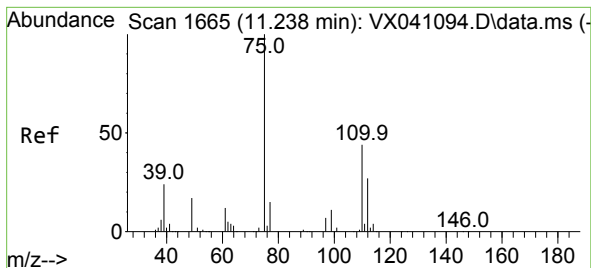
Ion Ratio Lower Upper

152 100

115 53.0 43.3 129.9

150 154.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.126 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041222.D

Acq: 23 Apr 2024 17:59

Instrument :

MSVOA\_X

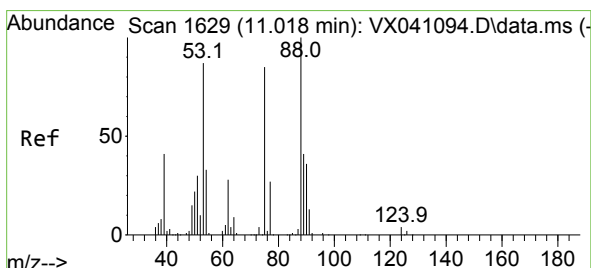
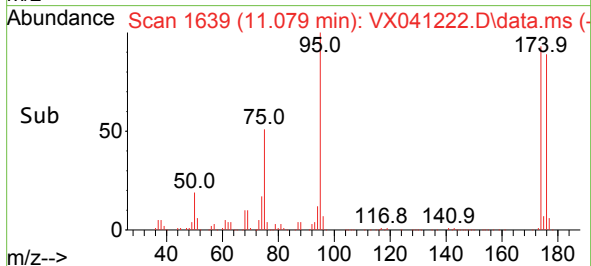
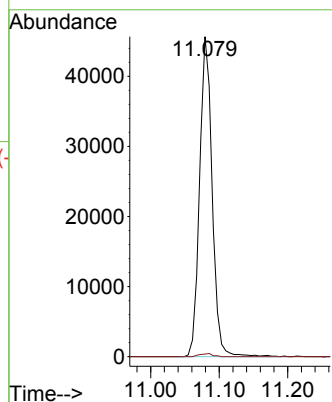
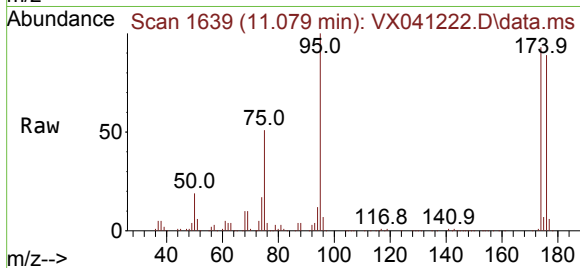
ClientSampleId :

Tgt Ion: 75 Resp: 58346

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.710 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041222.D

Acq: 23 Apr 2024 17:59

Tgt Ion: 75 Resp: 58346

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

