

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040424\  
 Data File : VX040881.D  
 Acq On : 04 Apr 2024 12:32  
 Operator : JC/MD  
 Sample : P1957-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 NM-DRUMS-040224

Quant Time: Apr 05 04:09:21 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

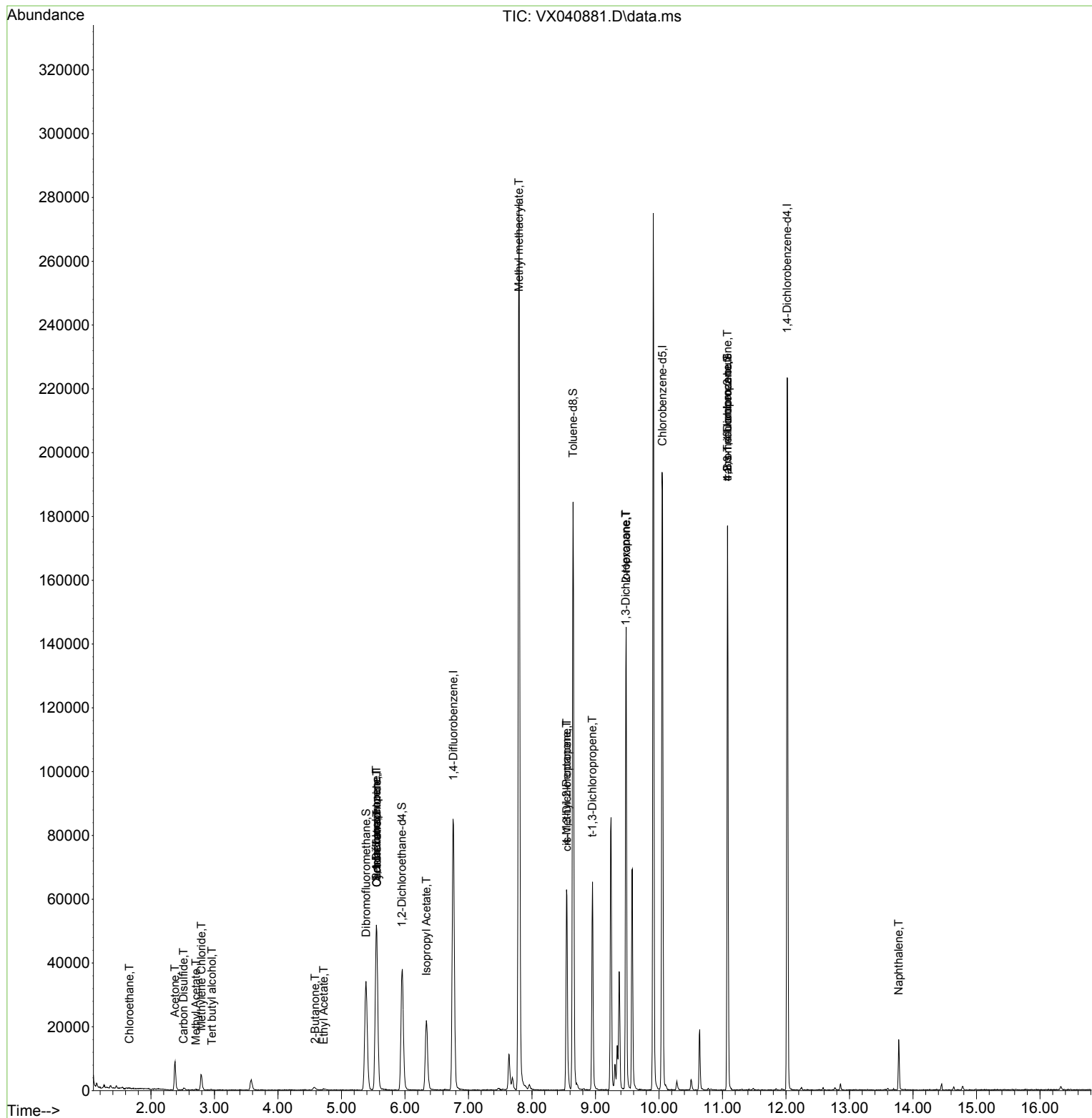
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 45084      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 82743      | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 81810      | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 42001      | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 39825      | 49.232  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 98.460% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 28920      | 49.346  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 98.700% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 103907     | 49.065  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 98.120% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 42024      | 49.691  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 99.380% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 6) Chloroethane               | 1.660          | 64   | 172        | 0.490   | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.959          | 59   | 160        | 1.083   | ug/l # | 78       |
| 16) Acetone                   | 2.380          | 43   | 9748       | 31.035  | ug/l   | 98       |
| 17) Carbon Disulfide          | 2.514          | 76   | 653        | 0.448   | ug/l # | 76       |
| 18) Methyl Acetate            | 2.709          | 43   | 387        | 0.519   | ug/l # | 53       |
| 20) Methylene Chloride        | 2.794          | 84   | 2147       | 3.688   | ug/l # | 91       |
| 25) 2-Butanone                | 4.587          | 43   | 1542       | 3.305   | ug/l # | 51       |
| 31) Cyclohexane               | 5.556          | 56   | 1271       | 1.481   | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 4289       | 5.150   | ug/l # | 50       |
| 37) Ethyl Acetate             | 4.721          | 43   | 395        | 0.386   | ug/l # | 69       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 5282       | 5.730   | ug/l # | 14       |
| 43) Isopropyl Acetate         | 6.336          | 43   | 31483      | 19.936  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.793          | 41   | 27163      | 35.126  | ug/l # | 51       |
| 51) 4-Methyl-2-Pentanone      | 8.543          | 43   | 24806      | 23.682  | ug/l # | 49       |
| 53) t-1,3-Dichloropropene     | 8.952          | 75   | 55         | 0.807   | ug/l # | 43       |
| 54) cis-1,3-Dichloropropene   | 8.549          | 75   | 9169       | 9.828   | ug/l # | 65       |
| 57) 1,3-Dichloropropane       | 9.476          | 76   | 1236       | 1.242   | ug/l # | 42       |
| 59) 2-Hexanone                | 9.482          | 43   | 19469      | 23.175  | ug/l # | 50       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 25122      | 28.050  | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 25122      | 75.678  | ug/l # | 5        |
| 95) Naphthalene               | 13.774         | 128  | 8920       | 2.931   | ug/l   | 96       |
| -----                         |                |      |            |         |        |          |

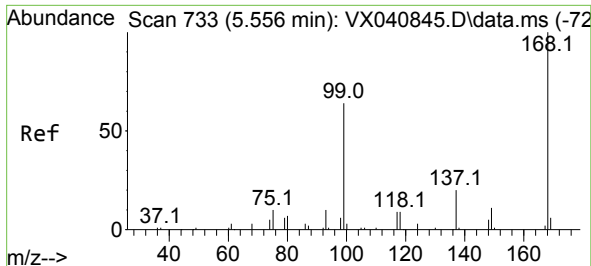
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Apr 02 05:40:55 2024  
Response via : Initial Calibration

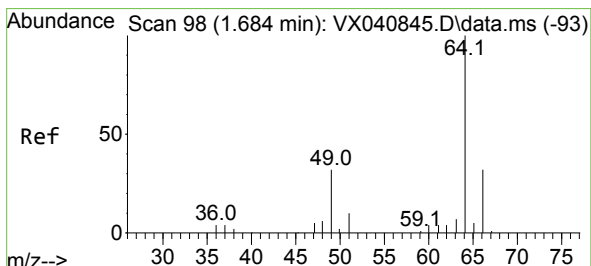
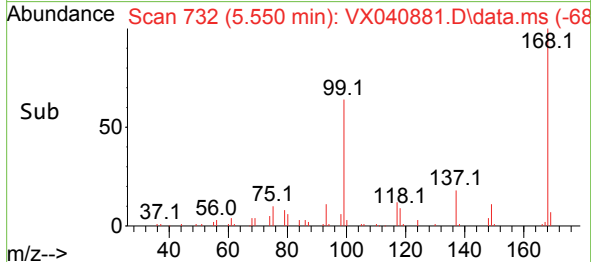
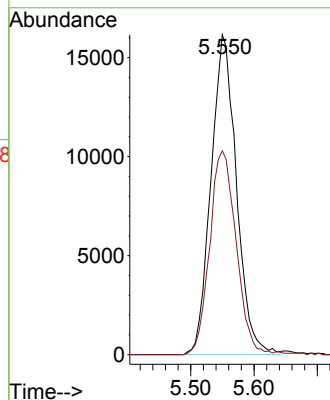
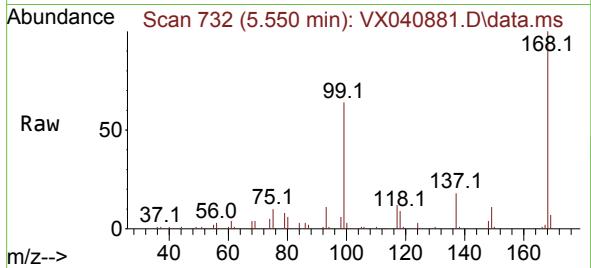




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

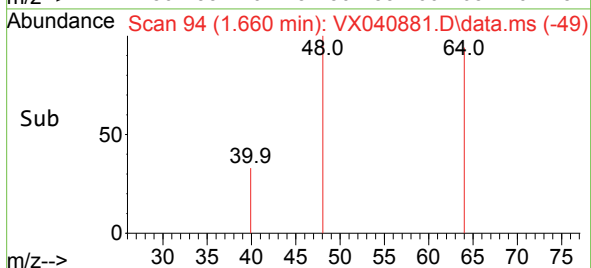
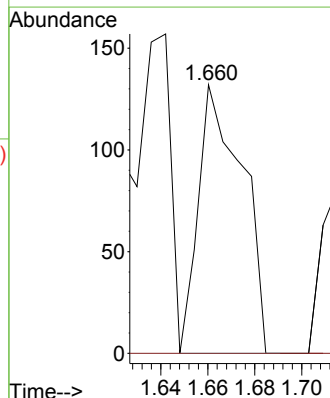
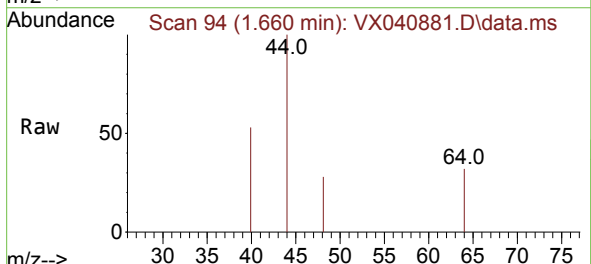
Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

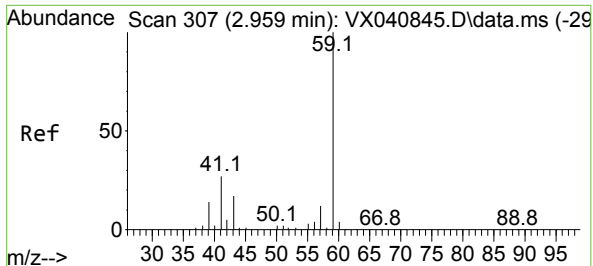
Tgt Ion:168 Resp: 45084  
Ion Ratio Lower Upper  
168 100  
99 63.7 56.6 85.0



#6  
Chloroethane  
Concen: 0.490 ug/l  
RT: 1.660 min Scan# 94  
Delta R.T. -0.024 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Tgt Ion: 64 Resp: 172  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#

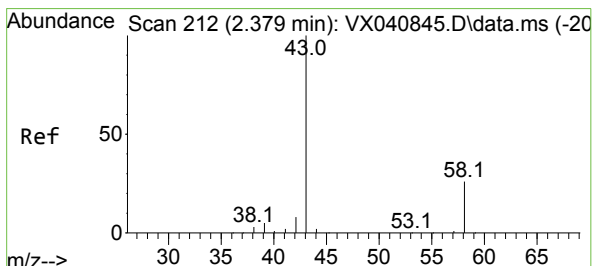
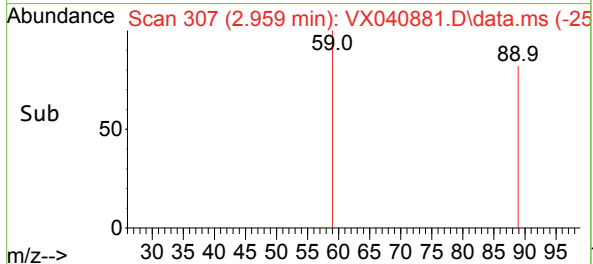
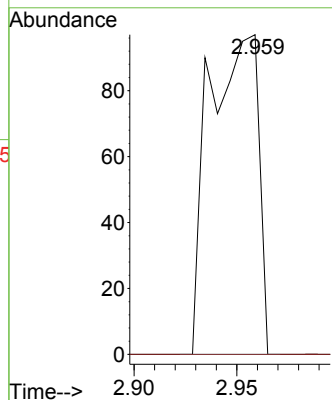
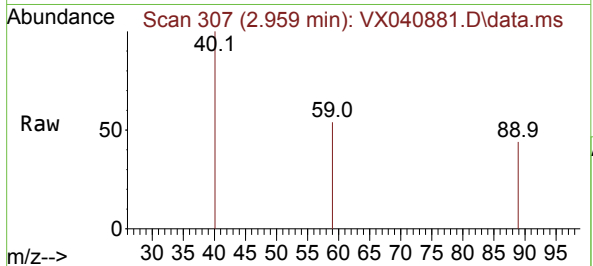




#11  
Tert butyl alcohol  
Concen: 1.083 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. 0.000 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

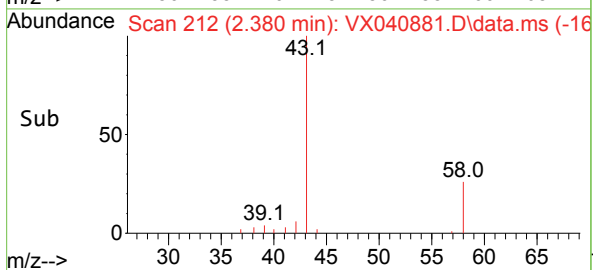
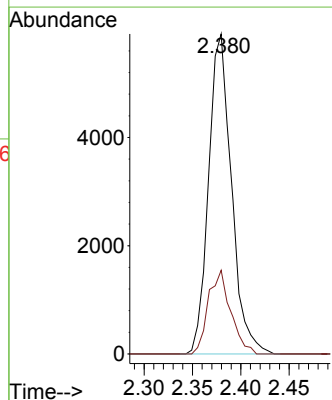
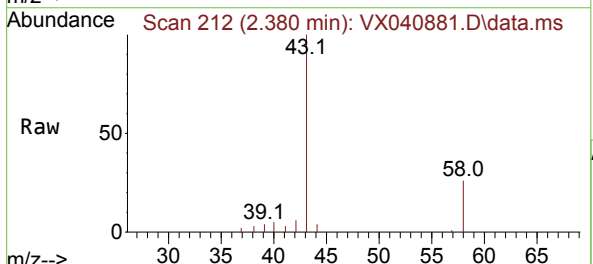
Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

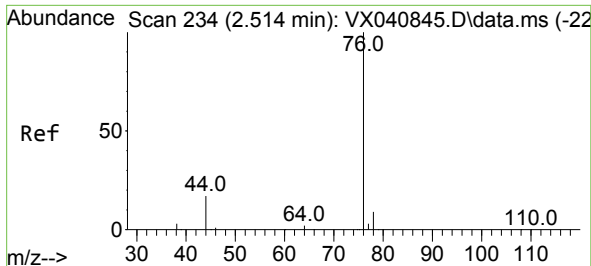
Tgt Ion: 59 Resp: 160  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#



#16  
Acetone  
Concen: 31.035 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Tgt Ion: 43 Resp: 9748  
Ion Ratio Lower Upper  
43 100  
58 26.2 21.9 32.9





#17

Carbon Disulfide

Concen: 0.448 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040881.D

Acq: 04 Apr 2024 12:32

Instrument :

MSVOA\_X

ClientSampleId :

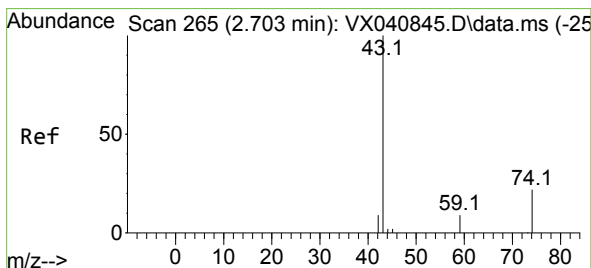
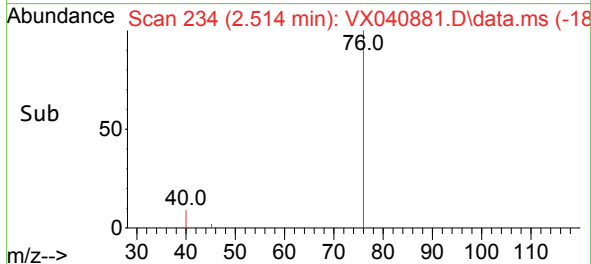
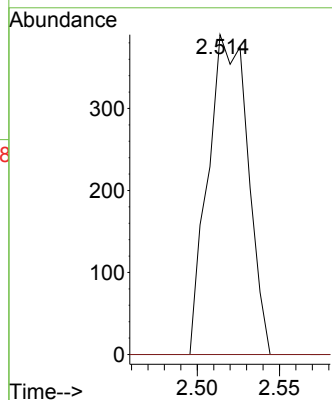
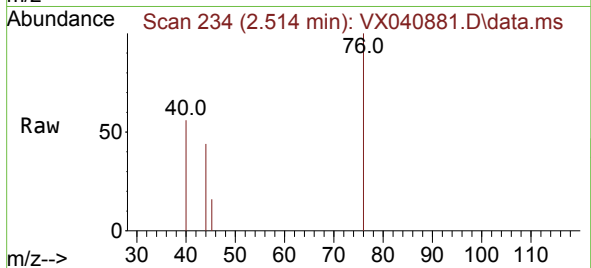
NM-DRUMS-040224

Tgt Ion: 76 Resp: 653

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.519 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX040881.D

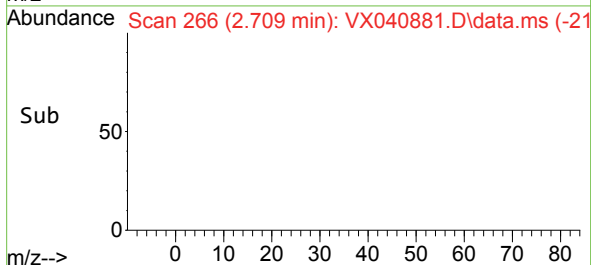
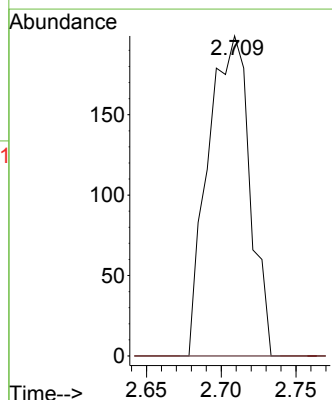
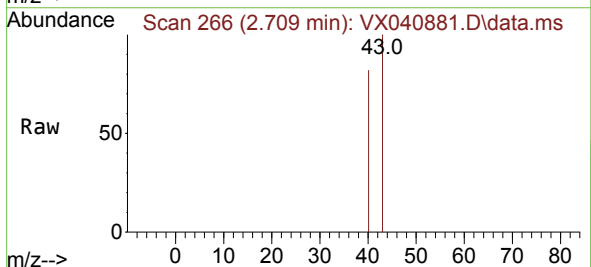
Acq: 04 Apr 2024 12:32

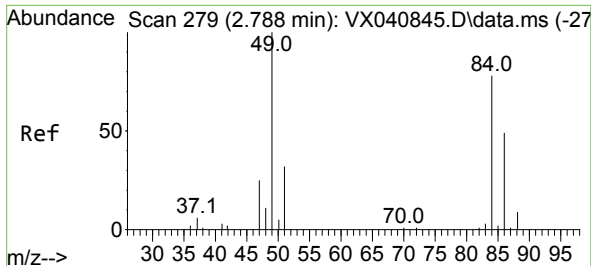
Tgt Ion: 43 Resp: 387

Ion Ratio Lower Upper

43 100

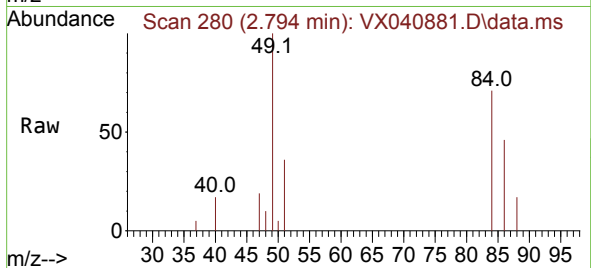
74 0.0 17.8 26.8#



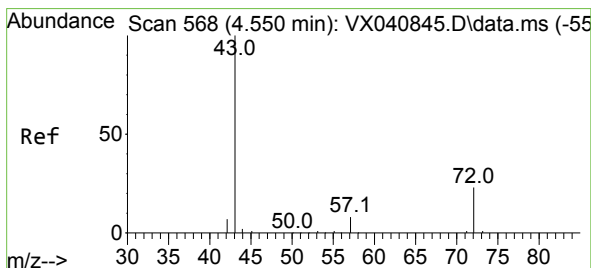
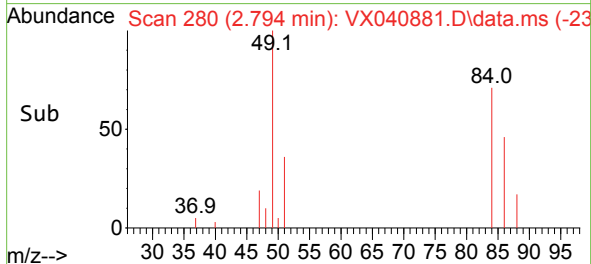
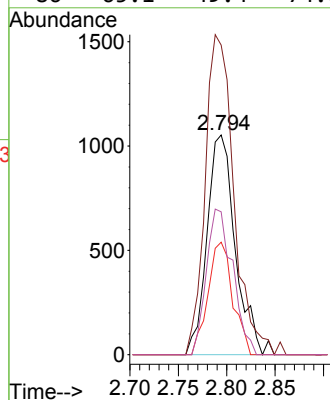


#20  
Methylene Chloride  
Concen: 3.688 ug/l  
RT: 2.794 min Scan# 2147  
Delta R.T. 0.006 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

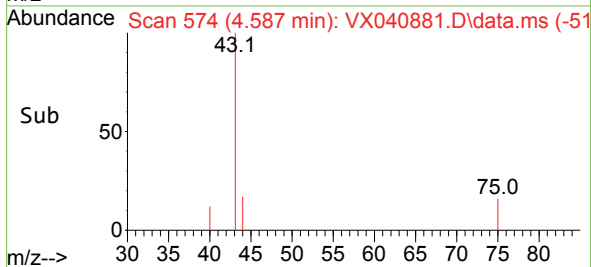
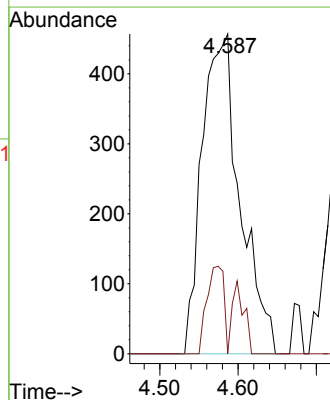
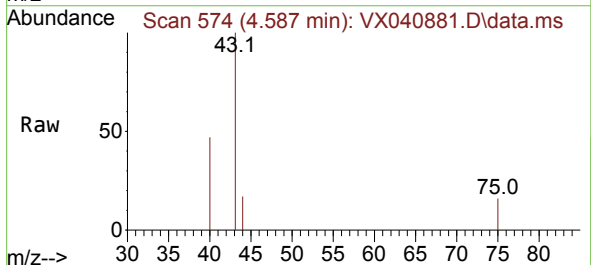


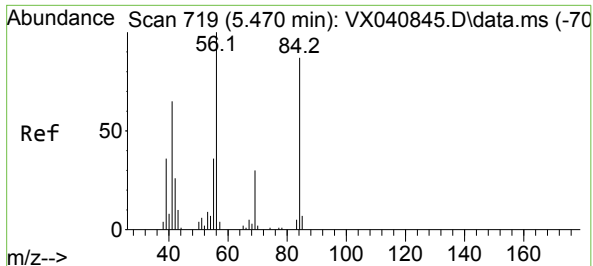
| Tgt Ion: | 84    | Resp: | 2147  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 140.9 | 103.6 | 155.4 |
| 51       | 51.2  | 33.8  | 50.6# |
| 86       | 65.1  | 49.4  | 74.0  |



#25  
2-Butanone  
Concen: 3.305 ug/l  
RT: 4.587 min Scan# 574  
Delta R.T. 0.037 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

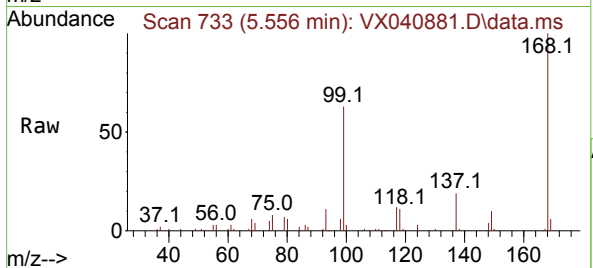
| Tgt Ion: | 43    | Resp: | 1542  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 19.4  | 29.2# |



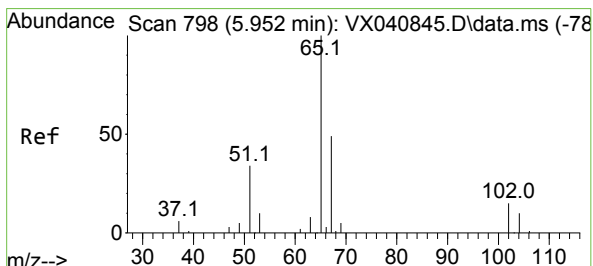
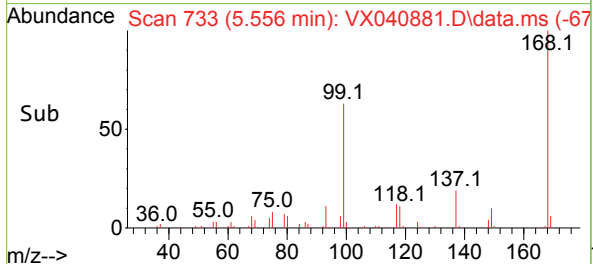
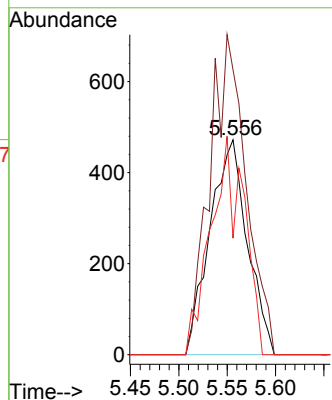


#31  
Cyclohexane  
Concen: 1.481 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.086 min  
Lab File: VX040881.D  
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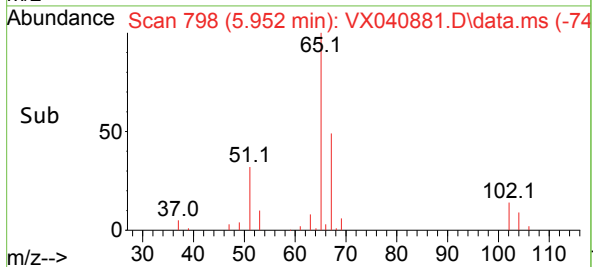
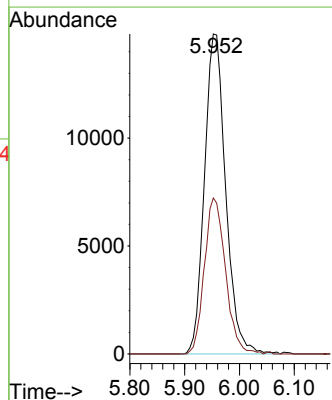
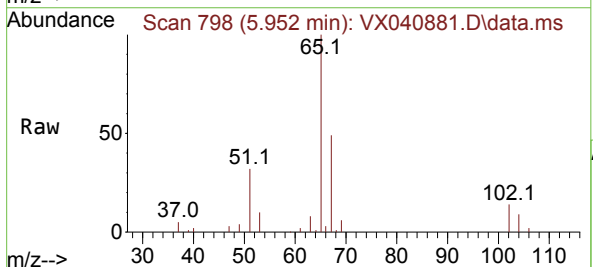


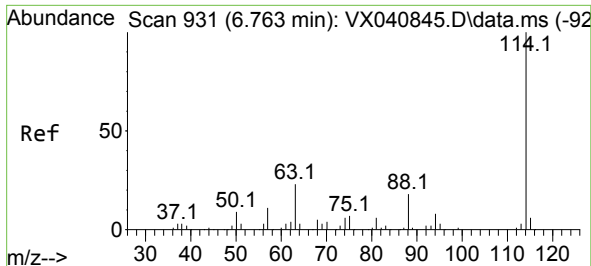
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Ion Ratio Lower Upper  
56 100  
69 132.6 23.4 35.2#  
84 54.2 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 49.232 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Tgt Ion: 65 Resp: 39825  
Ion Ratio Lower Upper  
65 100  
67 48.5 0.0 100.2

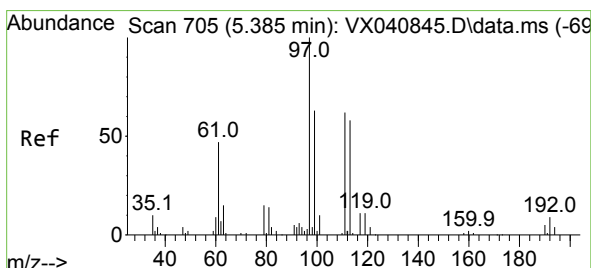
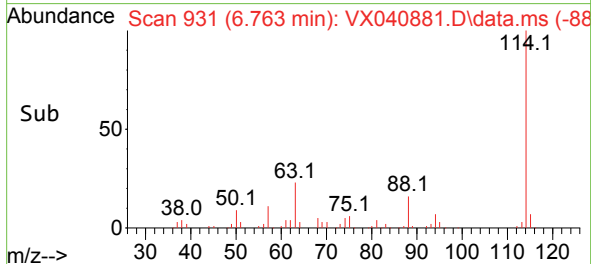
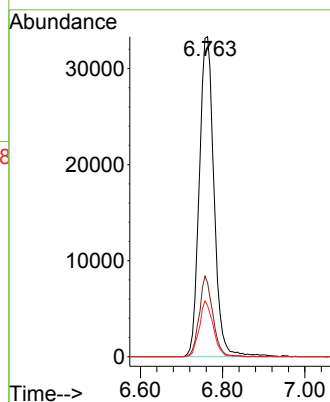
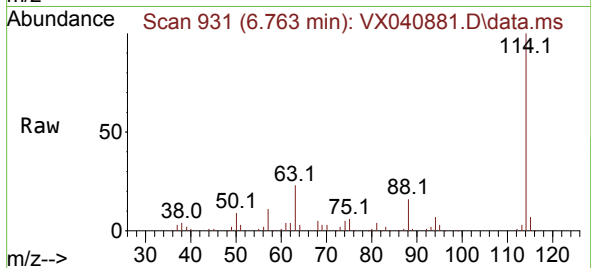




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

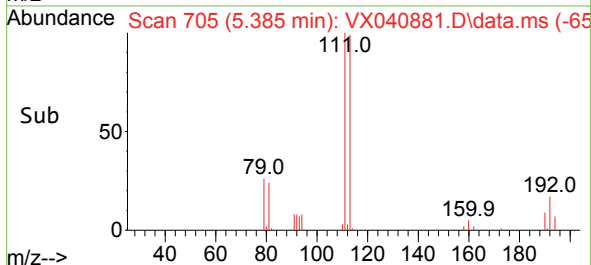
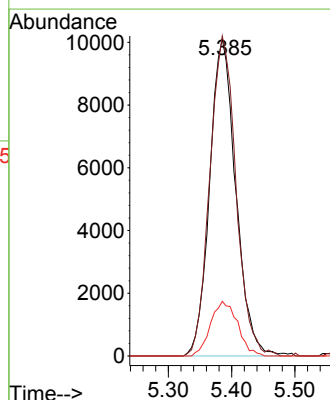
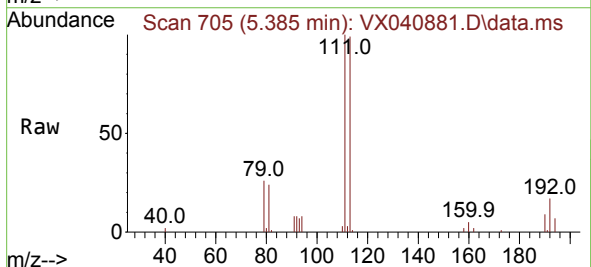
Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

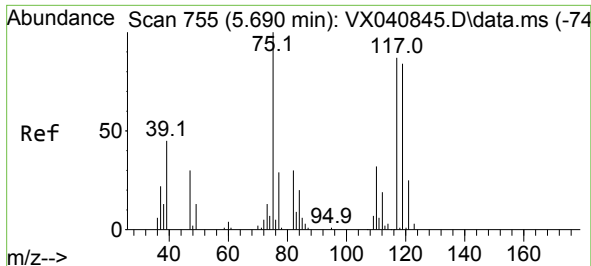
Tgt Ion:114 Resp: 82743  
Ion Ratio Lower Upper  
114 100  
63 23.1 0.0 45.0  
88 15.9 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 49.346 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Tgt Ion:113 Resp: 28920  
Ion Ratio Lower Upper  
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111 101.5 82.9 124.3  
192 17.9 13.3 19.9

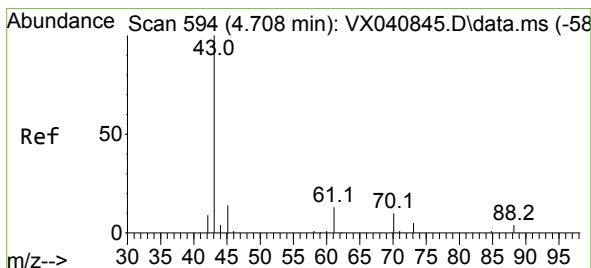
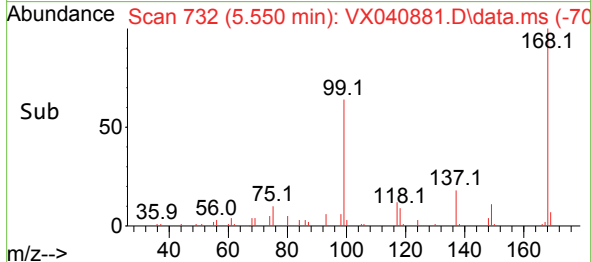
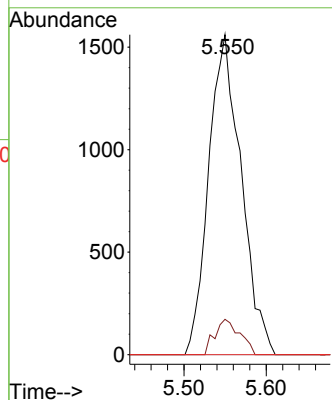
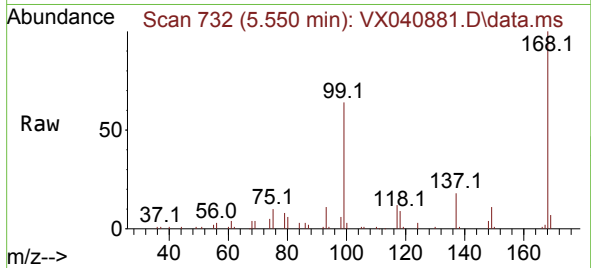




#36  
1,1-Dichloropropene  
Concen: 5.150 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

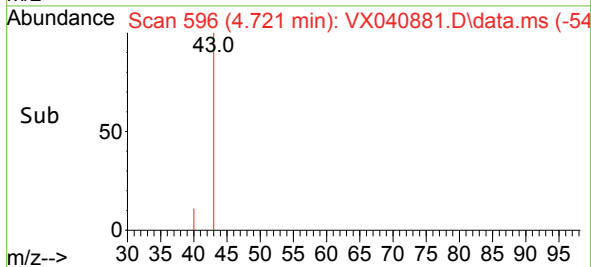
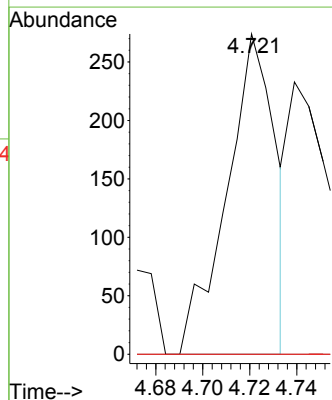
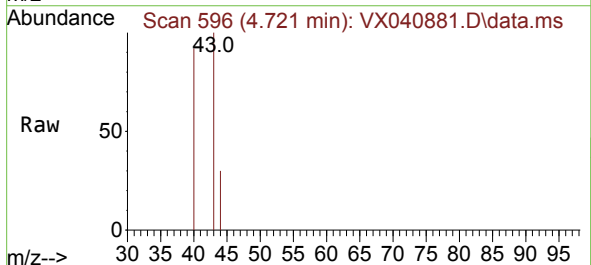
Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

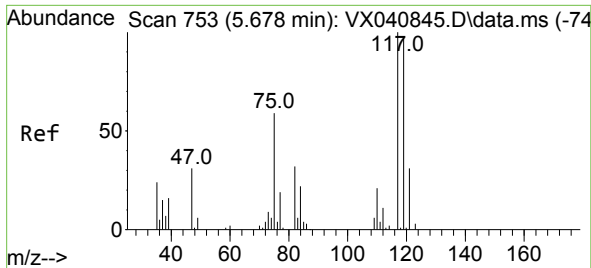
Tgt Ion: 75 Resp: 4289  
Ion Ratio Lower Upper  
75 100  
110 8.5 17.0 50.9#  
77 0.0 24.7 37.1#



#37  
Ethyl Acetate  
Concen: 0.386 ug/l  
RT: 4.721 min Scan# 596  
Delta R.T. 0.012 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

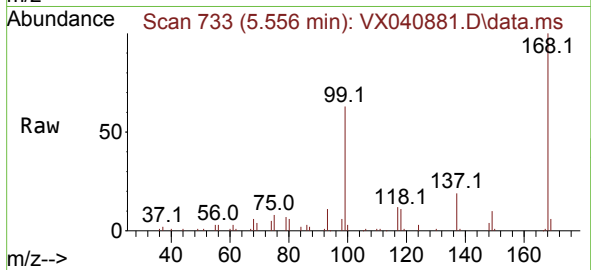
Tgt Ion: 43 Resp: 395  
Ion Ratio Lower Upper  
43 100  
61 0.0 10.6 16.0#  
70 0.0 8.3 12.5#



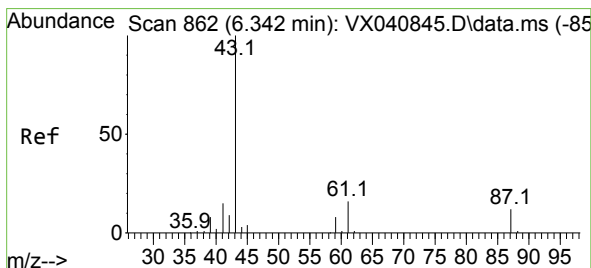
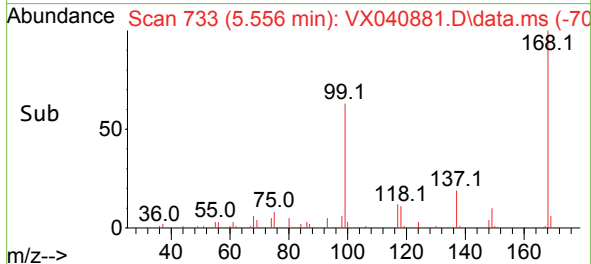
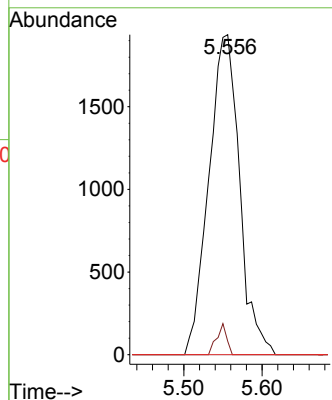


#38  
Carbon Tetrachloride  
Concen: 5.730 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

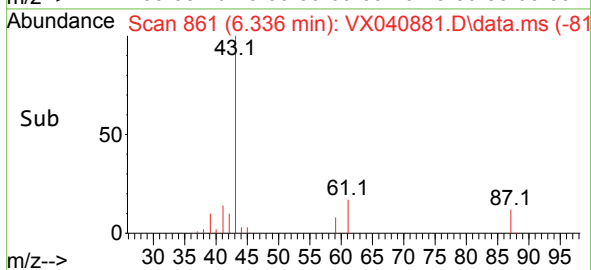
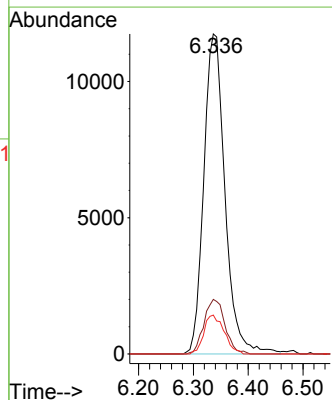
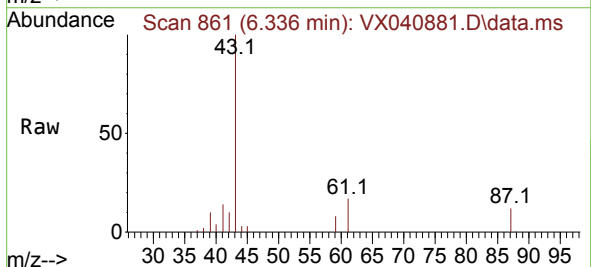


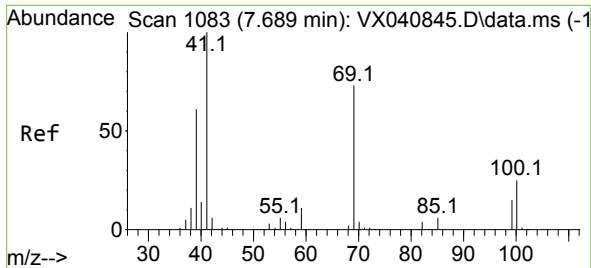
Tgt Ion:117 Resp: 5282  
Ion Ratio Lower Upper  
117 100  
119 4.2 78.2 117.2#  
121 0.0 24.4 36.6#



#43  
Isopropyl Acetate  
Concen: 19.936 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Tgt Ion: 43 Resp: 31483  
Ion Ratio Lower Upper  
43 100  
61 16.9 15.2 22.8  
87 11.7 9.8 14.6

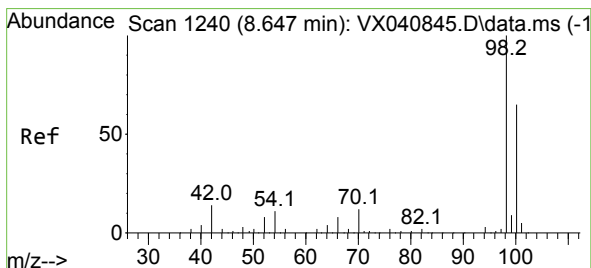
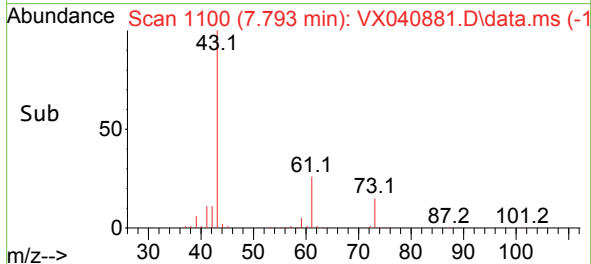
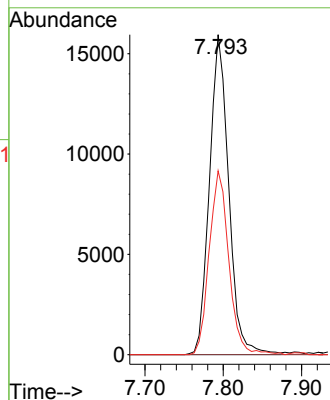
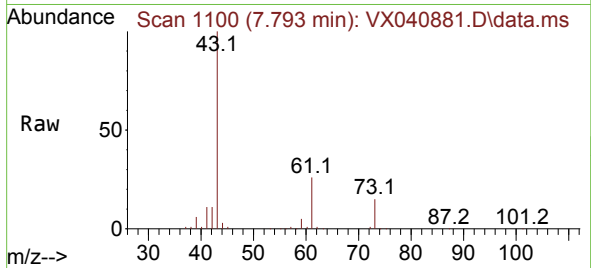




#48  
Methyl methacrylate  
Concen: 35.126 ug/l  
RT: 7.793 min Scan# 1100  
Delta R.T. 0.104 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

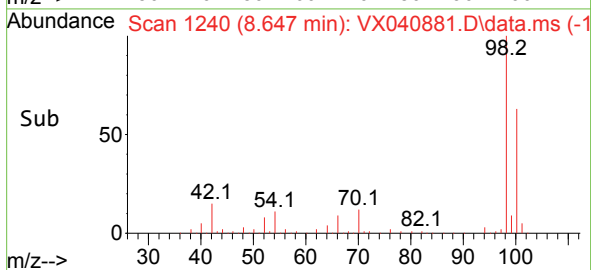
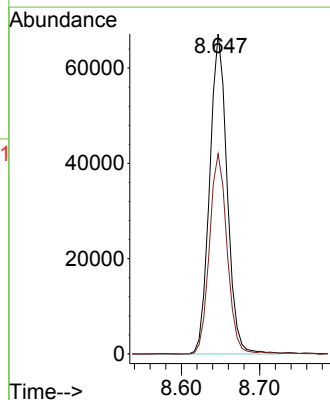
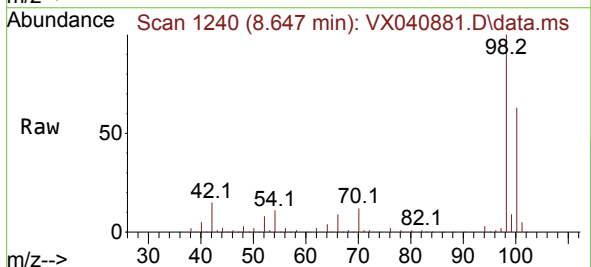
Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

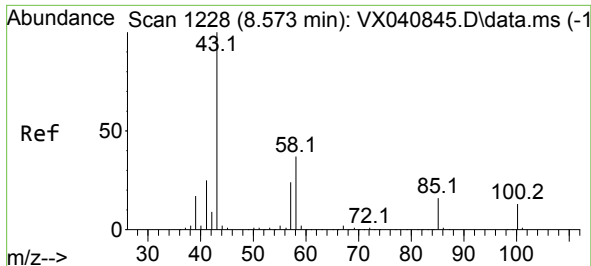
Tgt Ion: 41 Resp: 27163  
Ion Ratio Lower Upper  
41 100  
69 0.0 59.2 88.8#  
39 58.7 47.7 71.5



#50  
Toluene-d8  
Concen: 49.065 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Tgt Ion: 98 Resp: 103907  
Ion Ratio Lower Upper  
98 100  
100 63.5 53.1 79.7

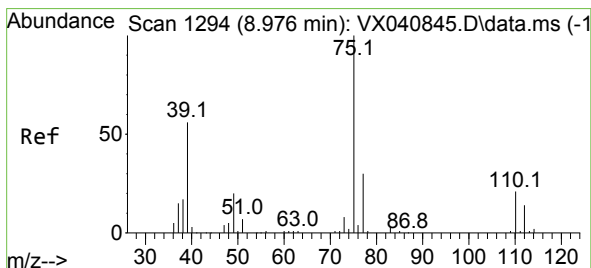
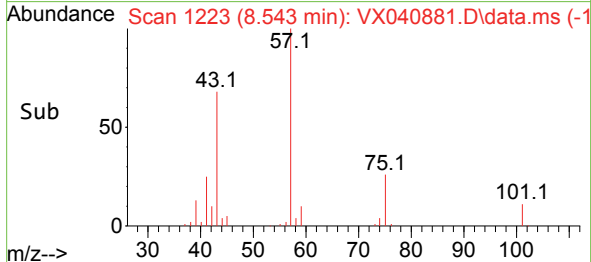
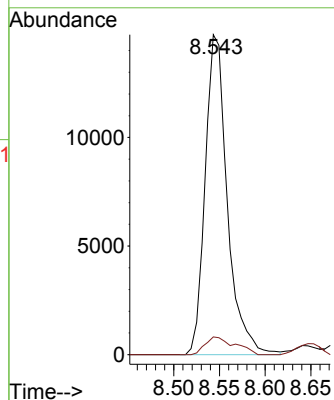
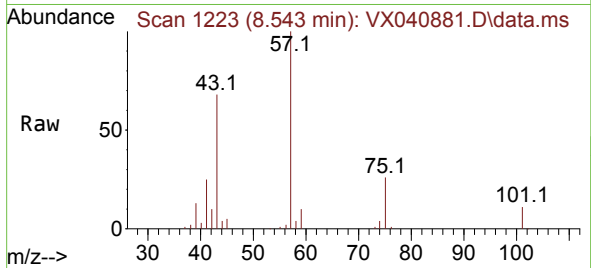




#51  
4-Methyl-2-Pentanone  
Concen: 23.682 ug/l  
RT: 8.543 min Scan# 11  
Delta R.T. -0.030 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

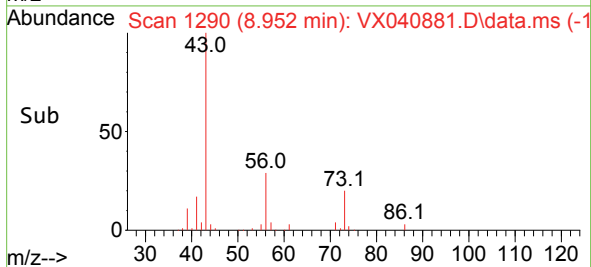
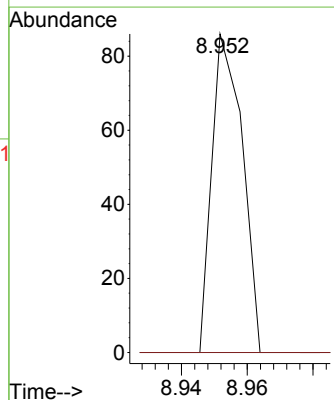
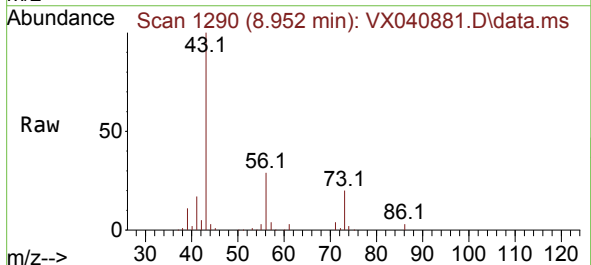
Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

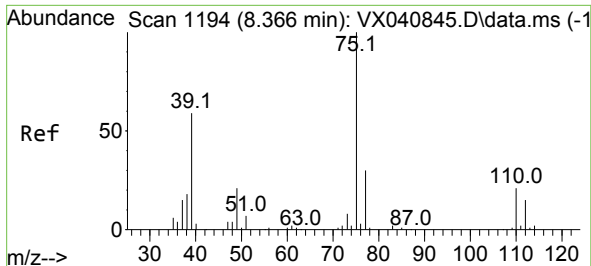
Tgt Ion: 43 Resp: 24806  
Ion Ratio Lower Upper  
43 100  
58 7.4 30.4 45.6#



#53  
t-1,3-Dichloropropene  
Concen: 0.807 ug/l  
RT: 8.952 min Scan# 1290  
Delta R.T. -0.024 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Tgt Ion: 75 Resp: 55  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.7 38.5#

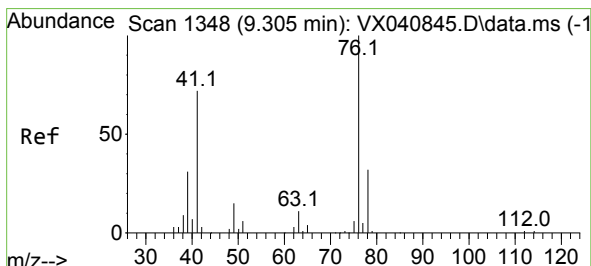
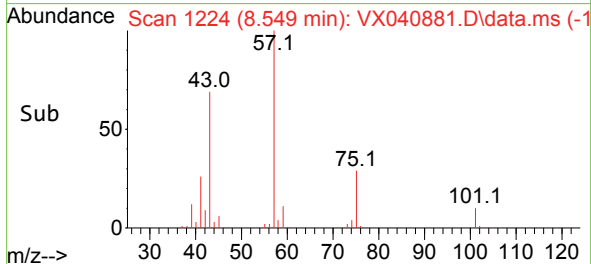
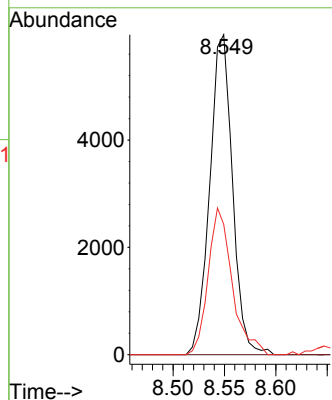
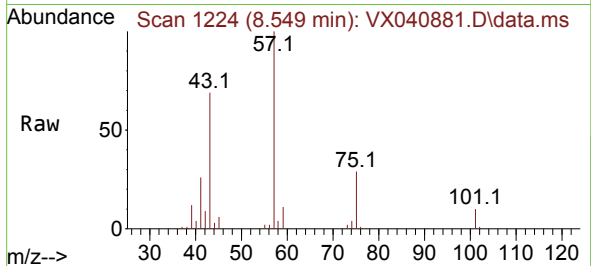




#54  
 cis-1,3-Dichloropropene  
 Concen: 9.828 ug/l  
 RT: 8.549 min Scan# 1194  
 Delta R.T. 0.183 min  
 Lab File: VX040881.D  
 Acq: 04 Apr 2024 12:32

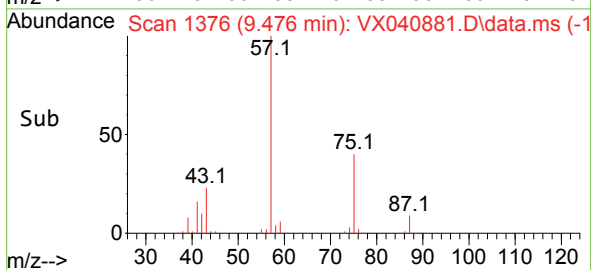
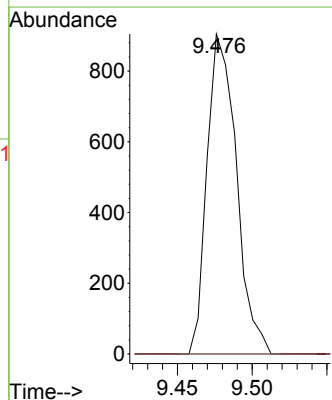
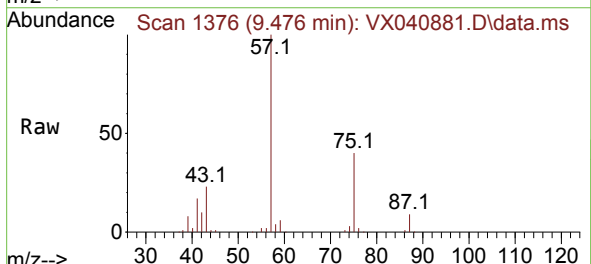
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 NM-DRUMS-040224

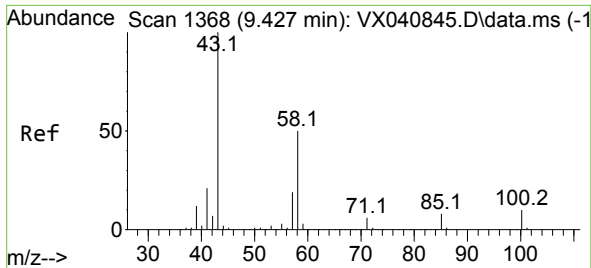
Tgt Ion: 75 Resp: 9169  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.3 37.9#  
 39 40.7 46.7 70.1#



#57  
 1,3-Dichloropropane  
 Concen: 1.242 ug/l  
 RT: 9.476 min Scan# 1376  
 Delta R.T. 0.171 min  
 Lab File: VX040881.D  
 Acq: 04 Apr 2024 12:32

Tgt Ion: 76 Resp: 1236  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 26.1 39.1#

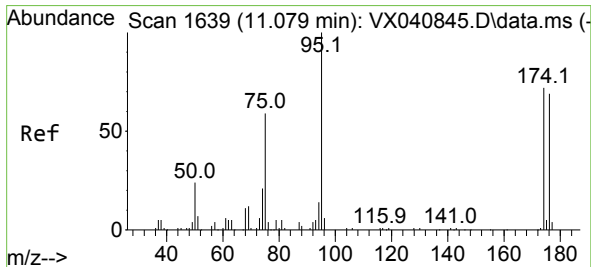
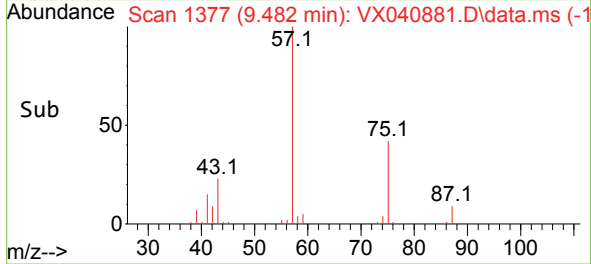
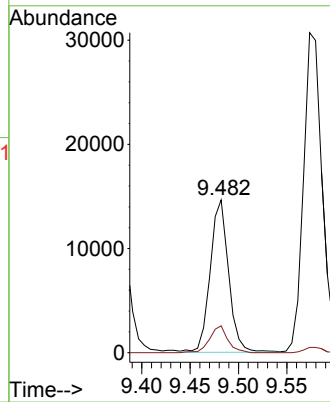
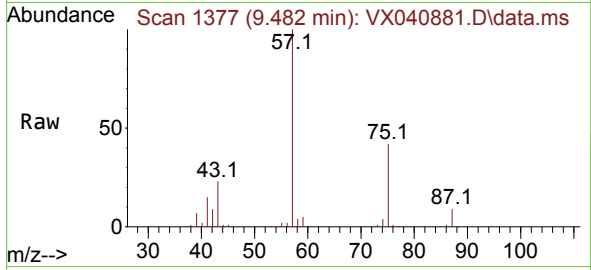




#59  
2-Hexanone  
Concen: 23.175 ug/l  
RT: 9.482 min Scan# 1377  
Delta R.T. 0.055 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

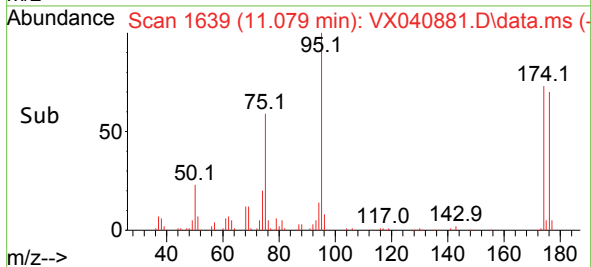
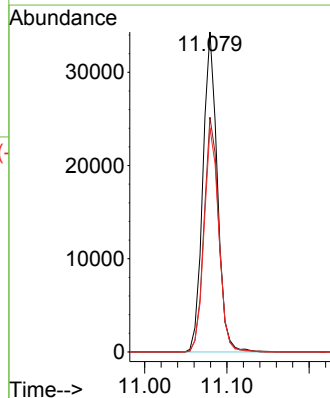
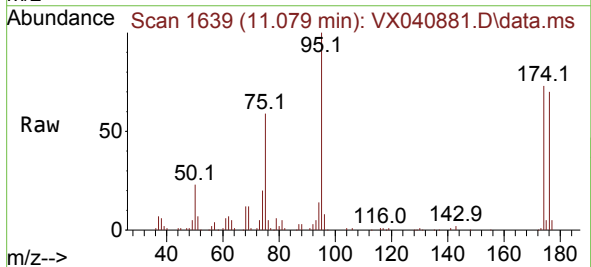
Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

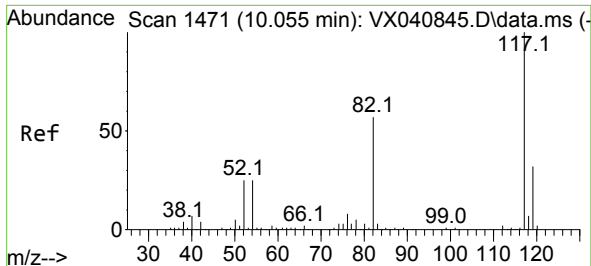
Tgt Ion: 43 Resp: 19469  
Ion Ratio Lower Upper  
43 100  
58 17.2 26.2 78.5#



#62  
4-Bromofluorobenzene  
Concen: 49.691 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Tgt Ion: 95 Resp: 42024  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 135.6  
176 71.2 0.0 131.0

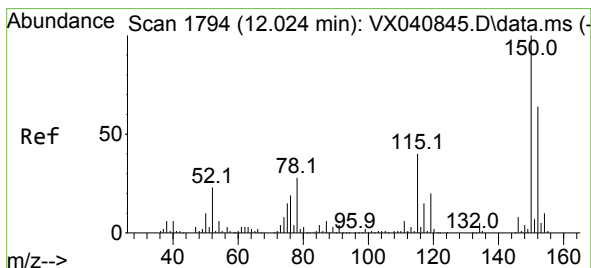
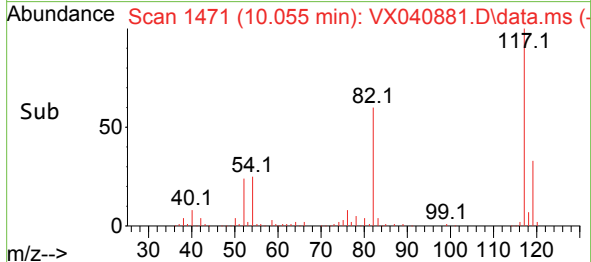
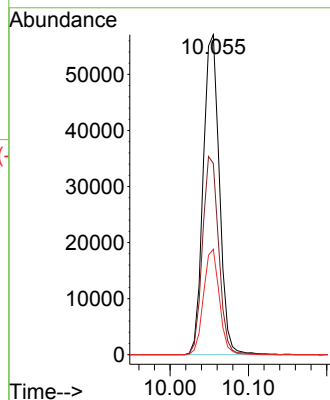
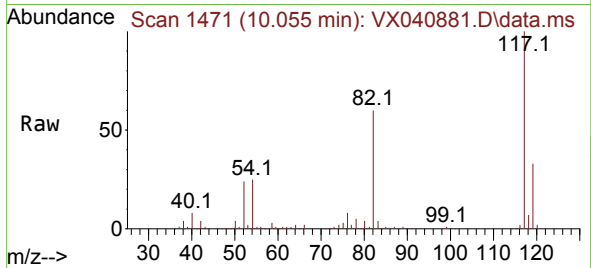




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

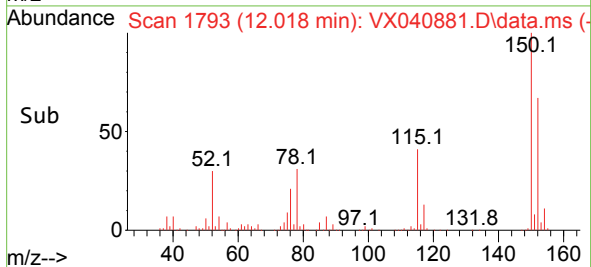
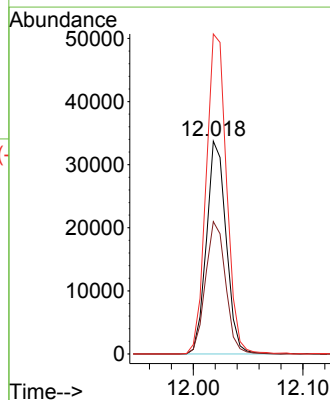
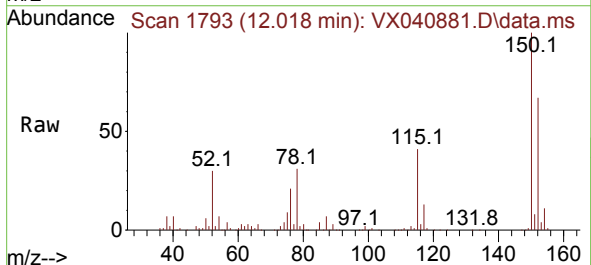
Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

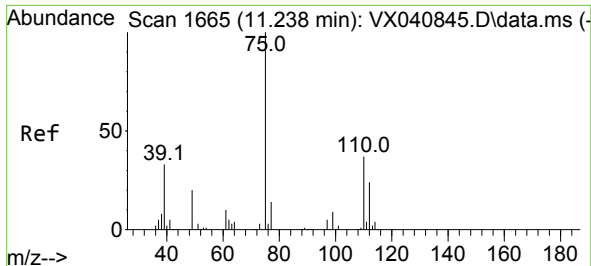
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.8  | 46.2  | 69.4  |
| 119     | 32.9  | 25.5  | 38.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.6  | 43.3  | 129.9 |
| 150     | 156.2 | 0.0   | 345.0 |

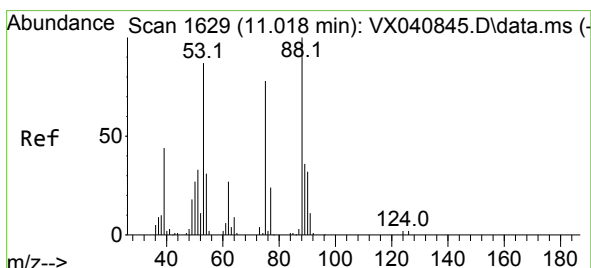
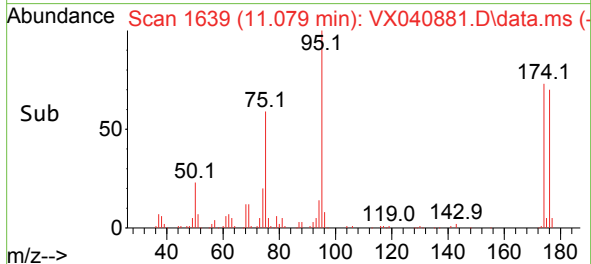
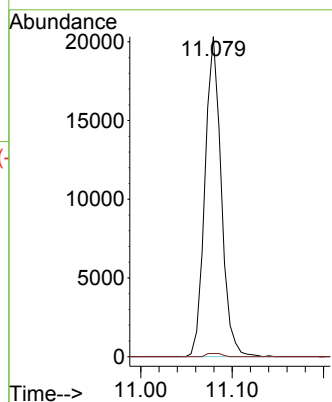
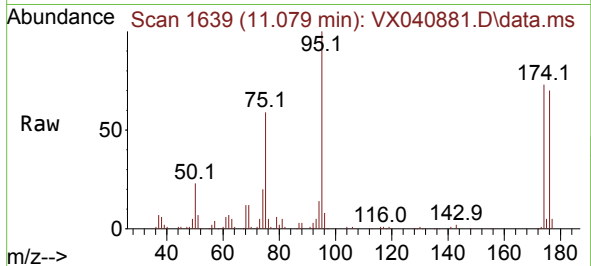




#76  
1,2,3-Trichloropropane  
Concen: 28.050 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

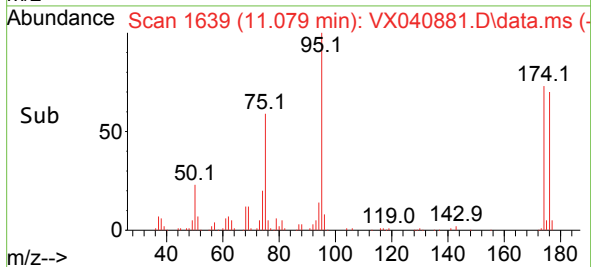
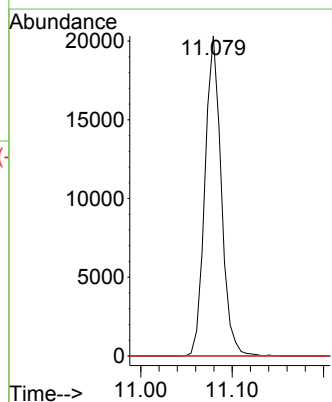
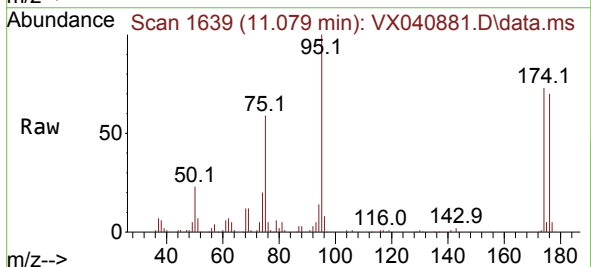
Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224

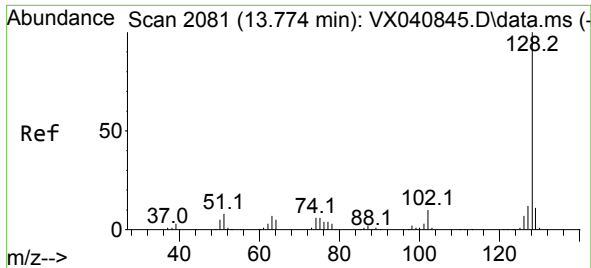
Tgt Ion: 75 Resp: 25122  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.678 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

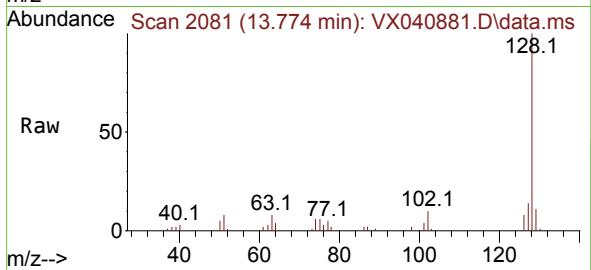
Tgt Ion: 75 Resp: 25122  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#





#95  
Naphthalene  
Concen: 2.931 ug/l  
RT: 13.774 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VX040881.D  
Acq: 04 Apr 2024 12:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
NM-DRUMS-040224



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 8920  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.6  | 10.3  | 15.5  |
| 129      | 12.1  | 8.8   | 13.2  |

