

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032423\  
 Data File : VX034730.D  
 Acq On : 24 Mar 2023 18:48  
 Operator : JC/MD  
 Sample : 02080-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

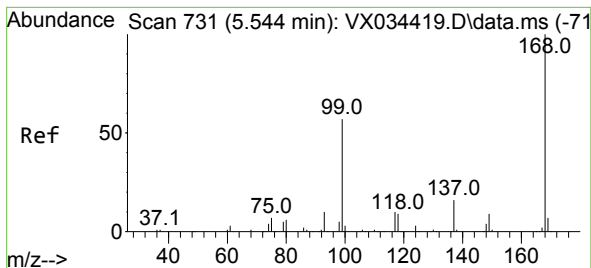
Quant Time: Mar 27 01:35:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550     | 168   | 315029   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 542875   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 482919   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 216407   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 231243   | 50.456    | ug/l   | 0.01     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery  | =      | 100.920% |
| 35) Dibromofluoromethane      | 5.385     | 113   | 170762   | 47.641    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | =      | 95.280%  |
| 50) Toluene-d8                | 8.647     | 98    | 646440   | 48.312    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery  | =      | 96.620%  |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 246991   | 45.699    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery  | =      | 91.400%  |
| Target Compounds              |           |       |          |           |        |          |
|                               |           |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.301     | 50    | 641      | Below Cal |        | 93       |
| 16) Acetone                   | 2.386     | 43    | 2816     | 1.304     | ug/l # | 82       |
| 20) Methylene Chloride        | 2.788     | 84    | 1271     | 0.303     | ug/l # | 87       |
| 31) Cyclohexane               | 5.556     | 56    | 7490     | 1.165     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550     | 75    | 27152    | 4.932     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550     | 117   | 35028    | 6.396     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647     | 43    | 3489     | 0.590     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 130292   | 26.221    | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 130292   | 70.936    | ug/l # | 8        |
| -----                         |           |       |          |           |        |          |

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

Quant Time: Mar 27 01:35:04 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 13 10:29:32 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.006 min

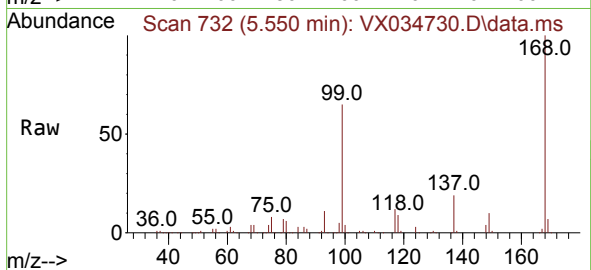
Lab File: VX034730.D

Acq: 24 Mar 2023 18:48

Instrument :

MSVOA\_X

ClientSampleId :

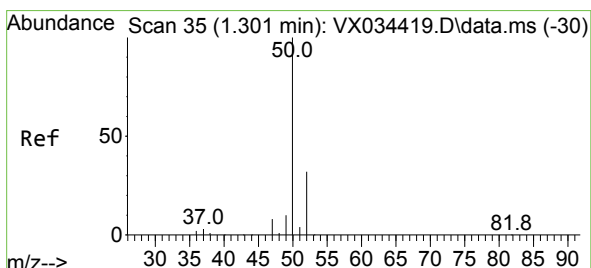
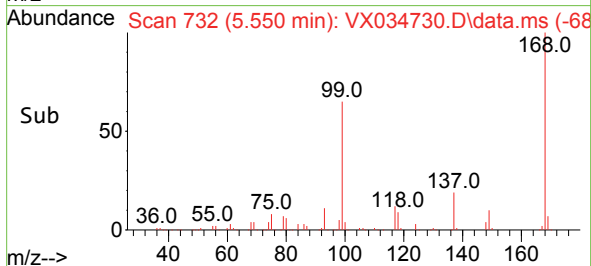
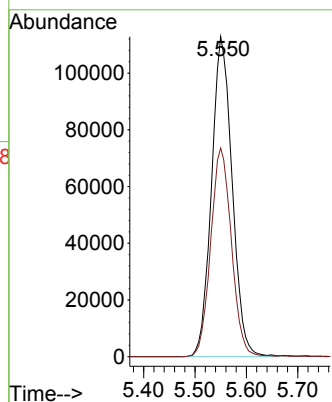


Tgt Ion:168 Resp: 315029

Ion Ratio Lower Upper

168 100

99 65.2 45.7 68.5



#3

Chloromethane

Concen: Below Cal

RT: 1.301 min Scan# 35

Delta R.T. -0.000 min

Lab File: VX034730.D

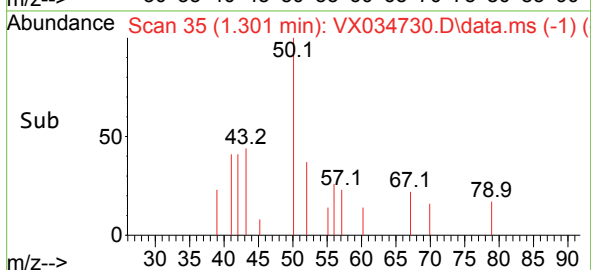
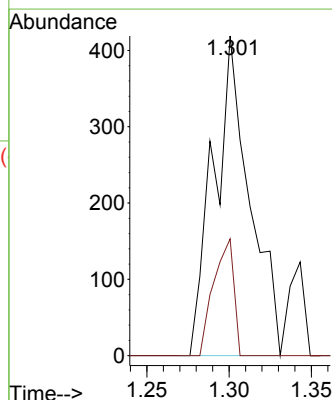
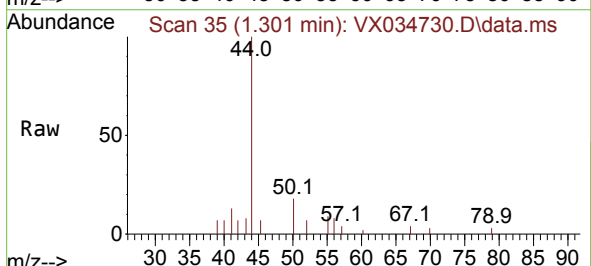
Acq: 24 Mar 2023 18:48

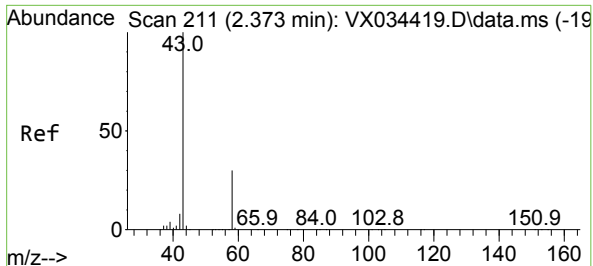
Tgt Ion: 50 Resp: 641

Ion Ratio Lower Upper

50 100

52 36.5 25.9 38.9

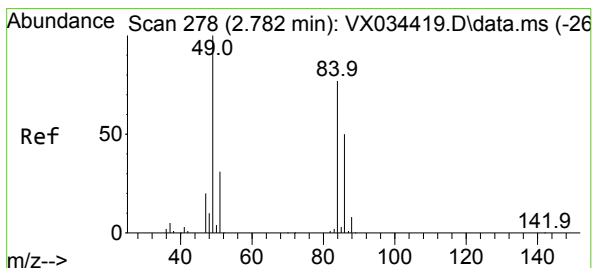
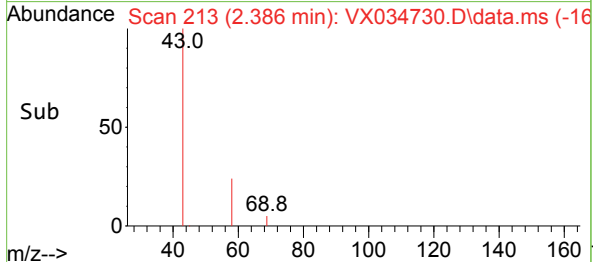
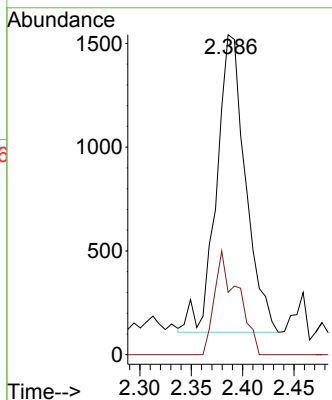
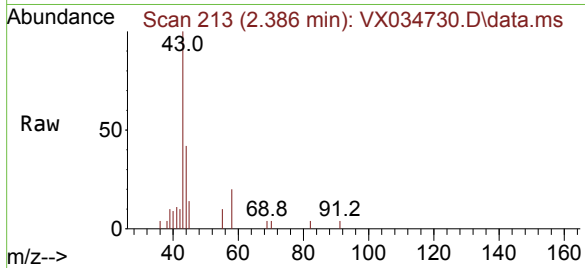




#16  
Acetone  
Concen: 1.304 ug/l  
RT: 2.386 min Scan# 211  
Delta R.T. 0.012 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

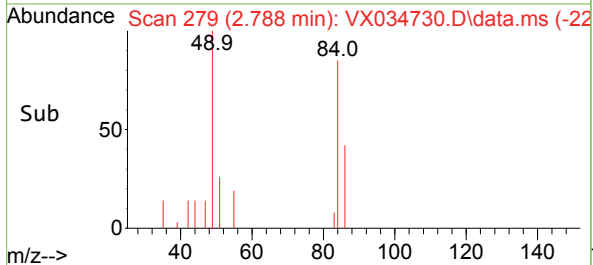
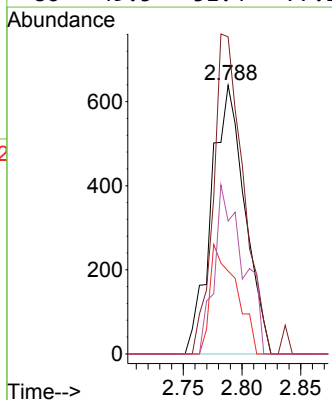
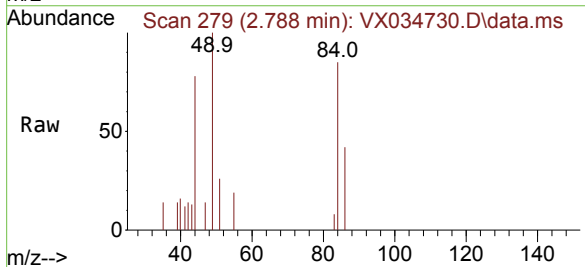
Instrument :  
MSVOA\_X  
ClientSampleId :

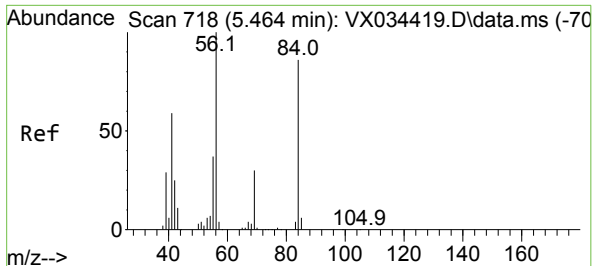
Tgt Ion: 43 Resp: 2816  
Ion Ratio Lower Upper  
43 100  
58 21.0 24.7 37.1#



#20  
Methylene Chloride  
Concen: 0.303 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

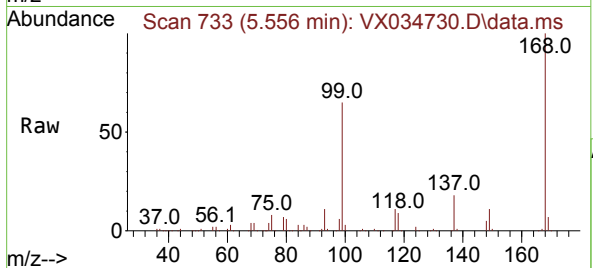
Tgt Ion: 84 Resp: 1271  
Ion Ratio Lower Upper  
84 100  
49 118.0 103.8 155.8  
51 30.8 31.8 47.8#  
86 49.5 51.4 77.2#



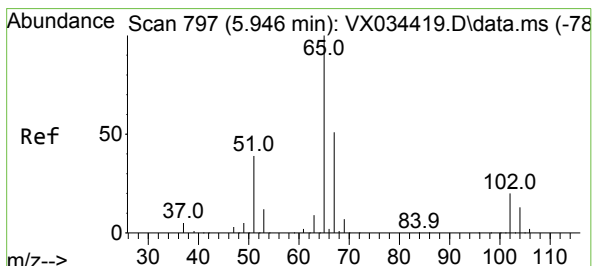
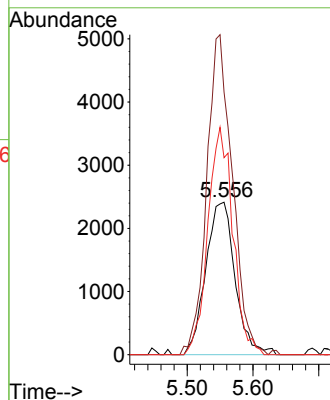
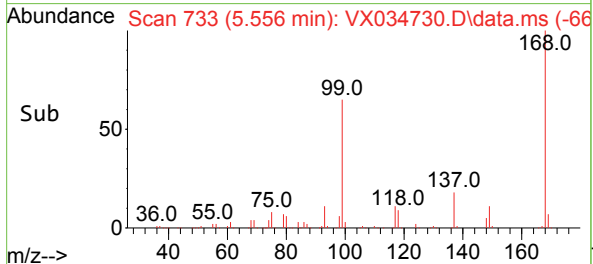


#31  
Cyclohexane  
Concen: 1.165 ug/l  
RT: 5.556 min Scan# 718  
Delta R.T. 0.091 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

Instrument :  
MSVOA\_X  
ClientSampleId :

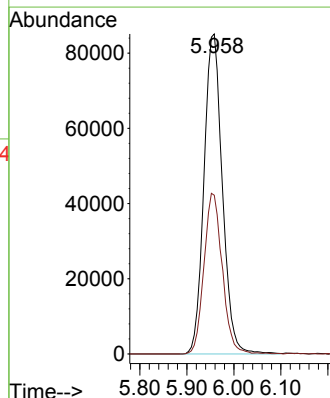
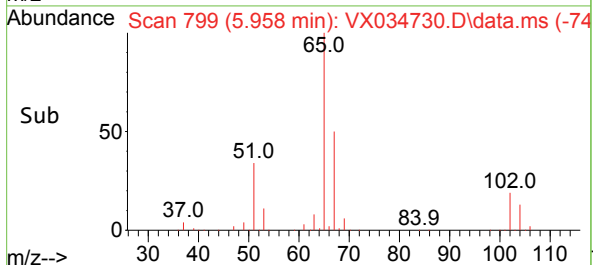
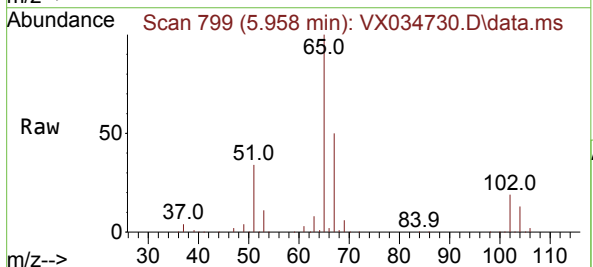


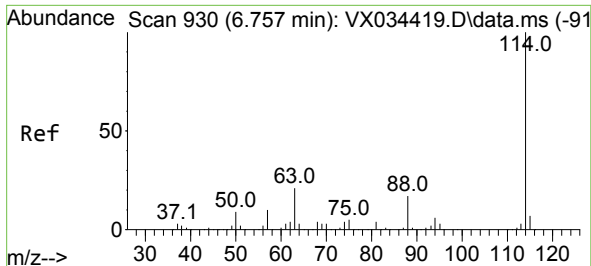
Tgt Ion: 56 Resp: 7490  
Ion Ratio Lower Upper  
56 100  
69 172.2 23.7 35.5#  
84 129.2 68.5 102.7#



#33  
1,2-Dichloroethane-d4  
Concen: 50.456 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.012 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

Tgt Ion: 65 Resp: 231243  
Ion Ratio Lower Upper  
65 100  
67 49.7 0.0 104.0

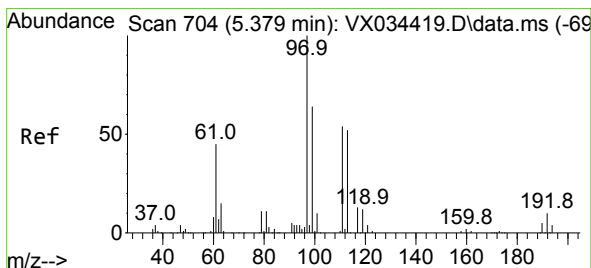
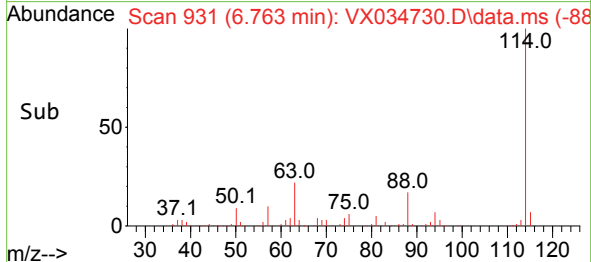
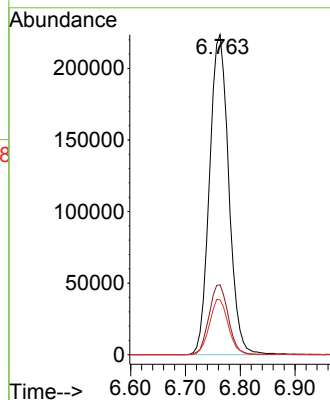
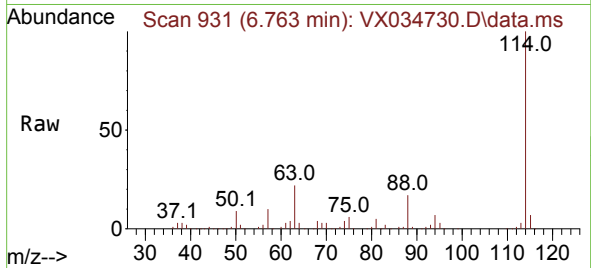




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

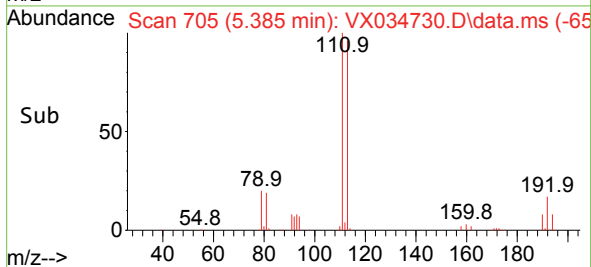
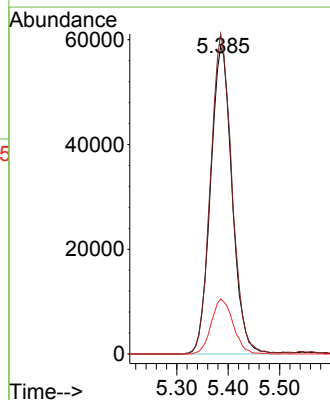
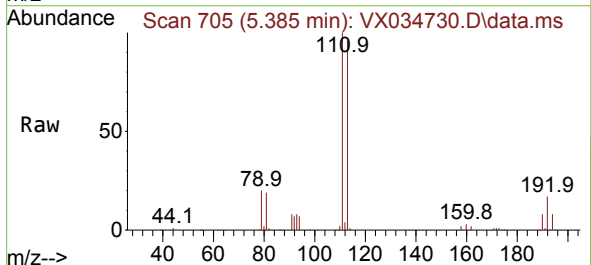
Instrument :  
MSVOA\_X  
ClientSampleId :

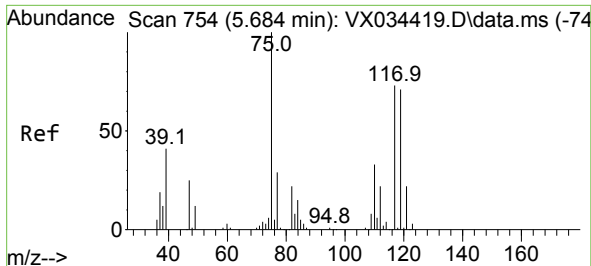
Tgt Ion:114 Resp: 542875  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 42.2  
88 17.2 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 47.641 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

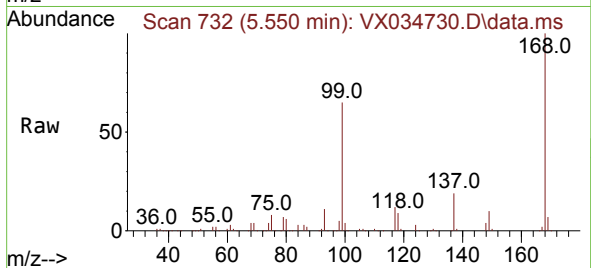
Tgt Ion:113 Resp: 170762  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.7 125.5  
192 18.2 15.4 23.2



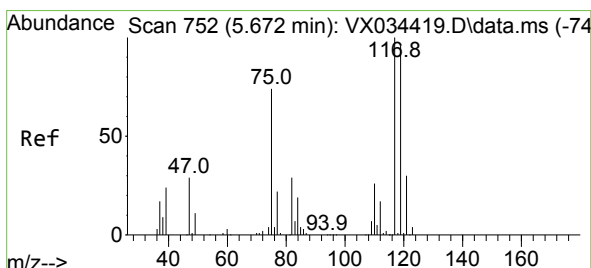
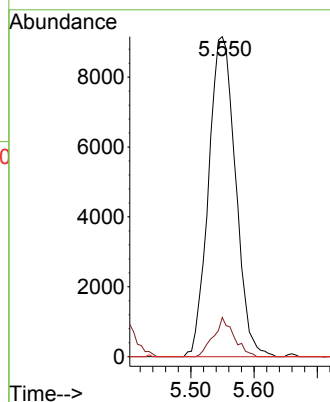
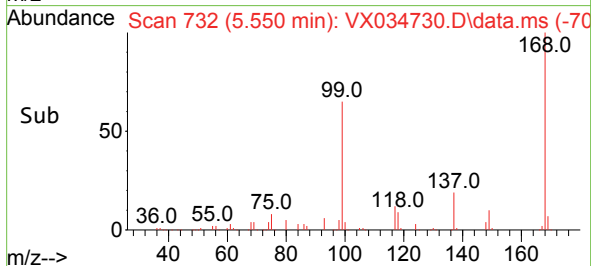


#36  
1,1-Dichloropropene  
Concen: 4.932 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

Instrument :  
MSVOA\_X  
ClientSampleId :

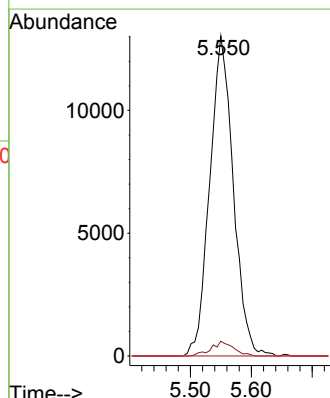
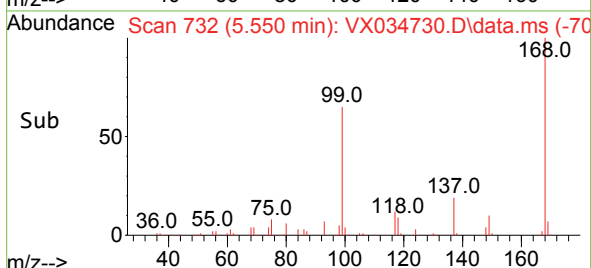
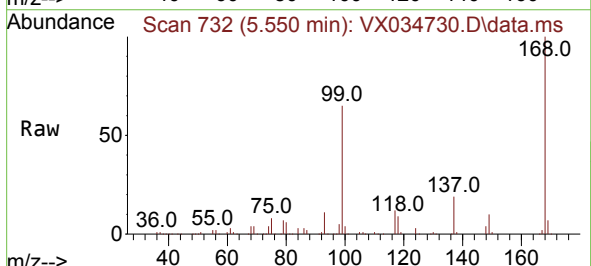


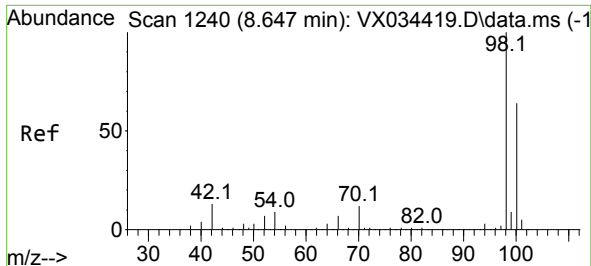
Tgt Ion: 75 Resp: 27152  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.5 52.5#  
77 0.0 24.3 36.5#



#38  
Carbon Tetrachloride  
Concen: 6.396 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

Tgt Ion: 117 Resp: 35028  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.6 114.8#  
121 0.0 23.8 35.6#

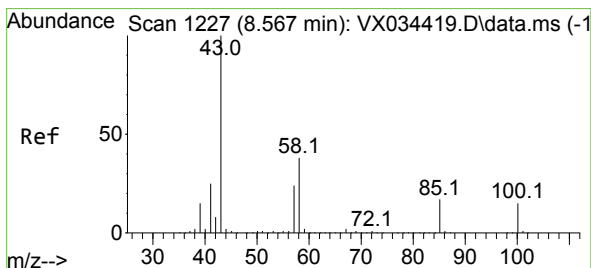
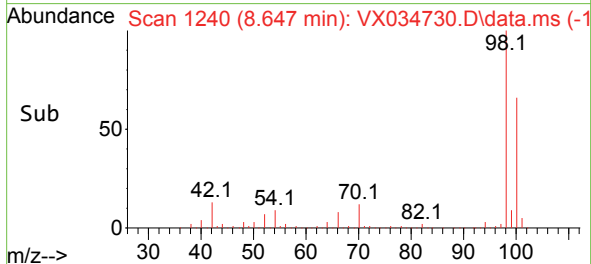
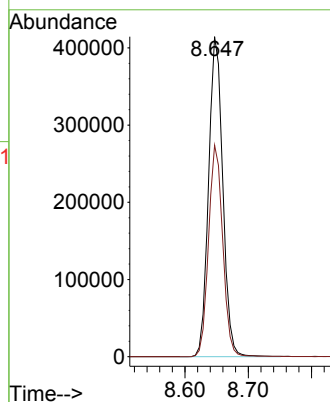
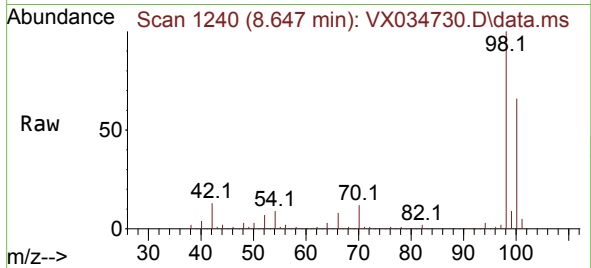




#50  
Toluene-d8  
Concen: 48.312 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

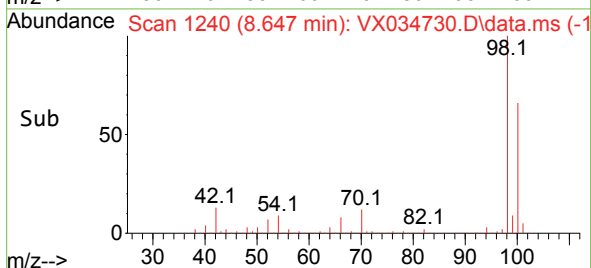
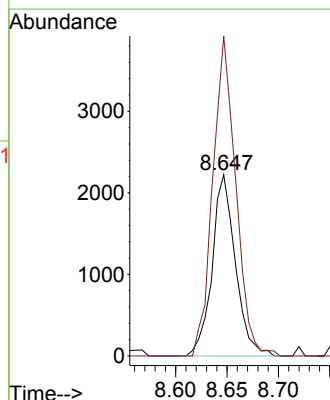
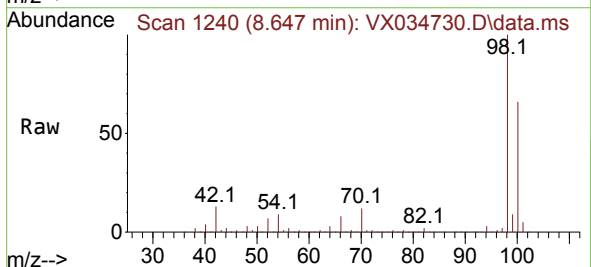
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ClientSampleId :

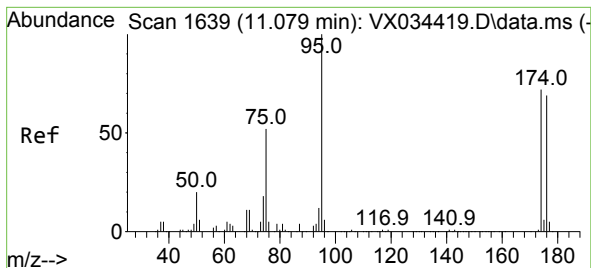
Tgt Ion: 98 Resp: 646440  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.5 78.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.590 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.079 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

Tgt Ion: 43 Resp: 3489  
Ion Ratio Lower Upper  
43 100  
58 174.7 30.6 46.0#

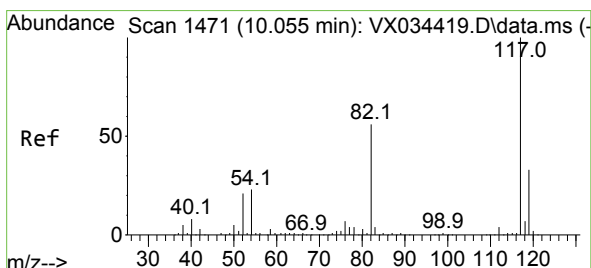
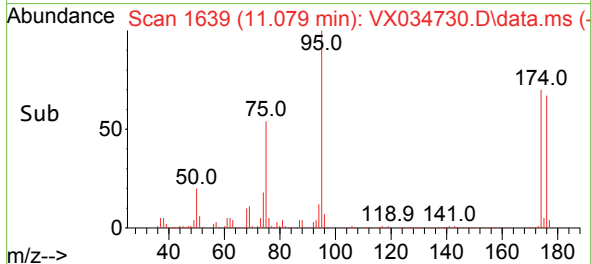
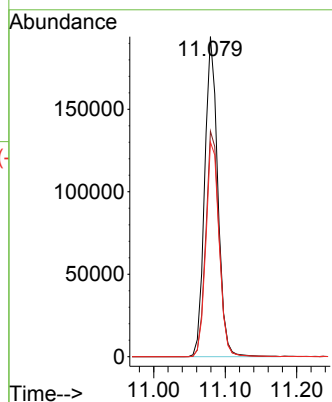
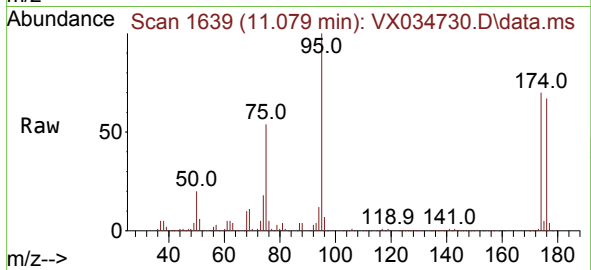




#62  
4-Bromofluorobenzene  
Concen: 45.699 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

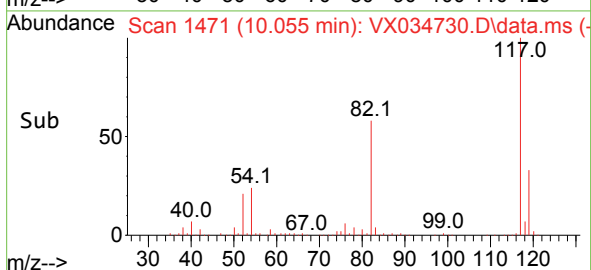
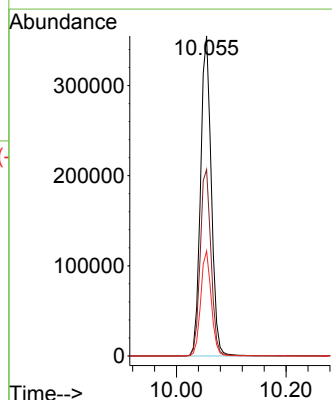
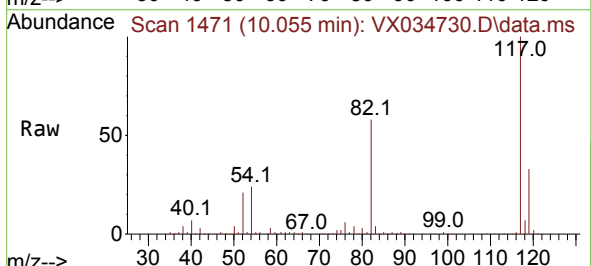
Instrument :  
MSVOA\_X  
ClientSampleId :

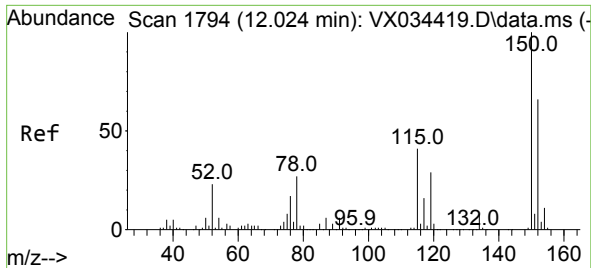
Tgt Ion: 95 Resp: 246991  
Ion Ratio Lower Upper  
95 100  
174 71.8 0.0 147.4  
176 68.5 0.0 140.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

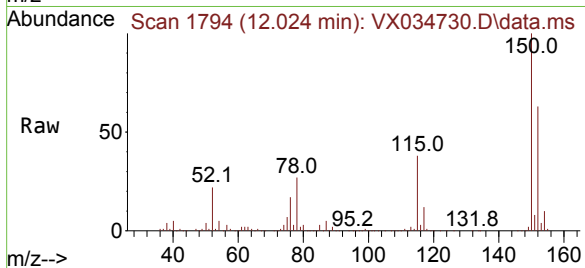
Tgt Ion: 117 Resp: 482919  
Ion Ratio Lower Upper  
117 100  
82 58.2 45.0 67.4  
119 32.8 26.0 39.0



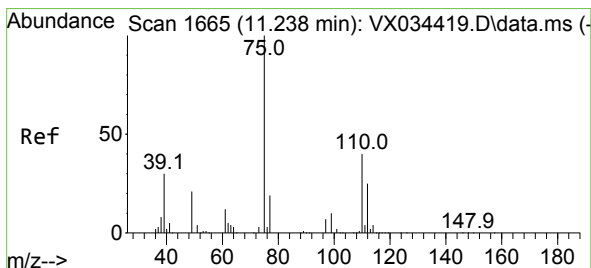
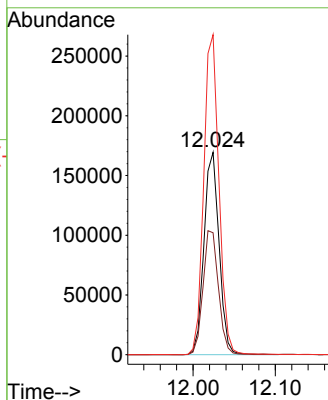
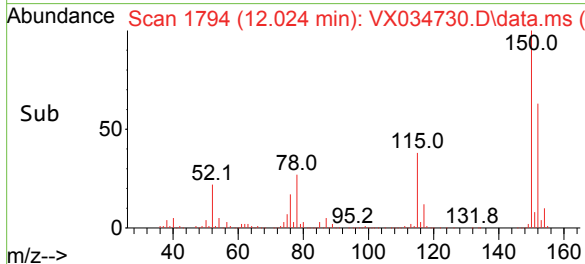


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

Instrument :  
MSVOA\_X  
ClientSampleId :

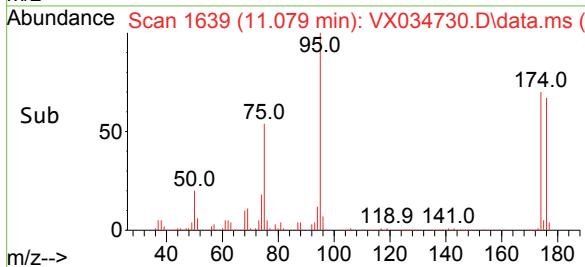
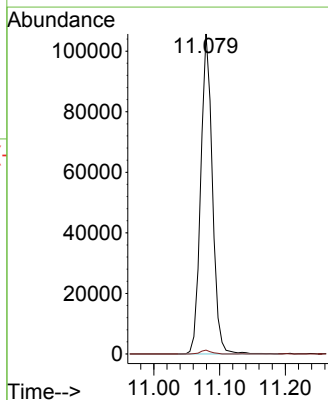
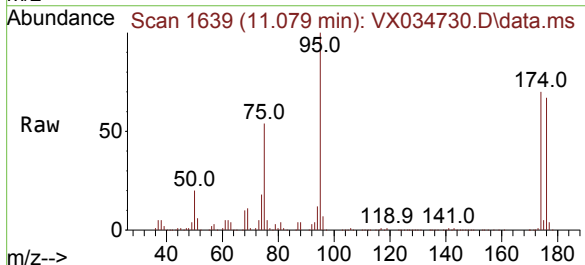


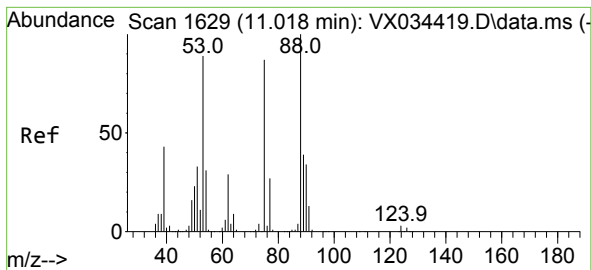
Tgt Ion:152 Resp: 216407  
Ion Ratio Lower Upper  
152 100  
115 62.7 45.0 135.0  
150 158.9 0.0 352.4



#76  
1,2,3-Trichloropropane  
Concen: 26.221 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX034730.D  
Acq: 24 Mar 2023 18:48

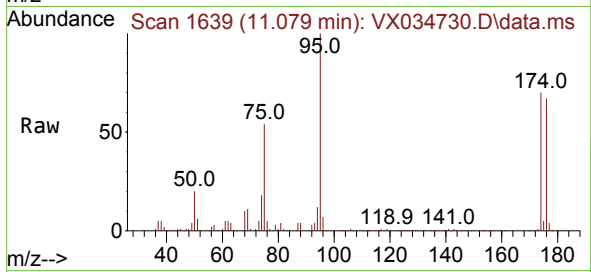
Tgt Ion: 75 Resp: 130292  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.6 64.8#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 70.936 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX034730.D  
 Acq: 24 Mar 2023 18:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 130292  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 82.6 124.0#  
 89 0.0 36.9 55.3#

