

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021023\  
 Data File : VX034081.D  
 Acq On : 08 Feb 2023 13:33  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Feb 09 04:49:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020423W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 03 23:25:45 2023  
 Response via : Initial Calibration

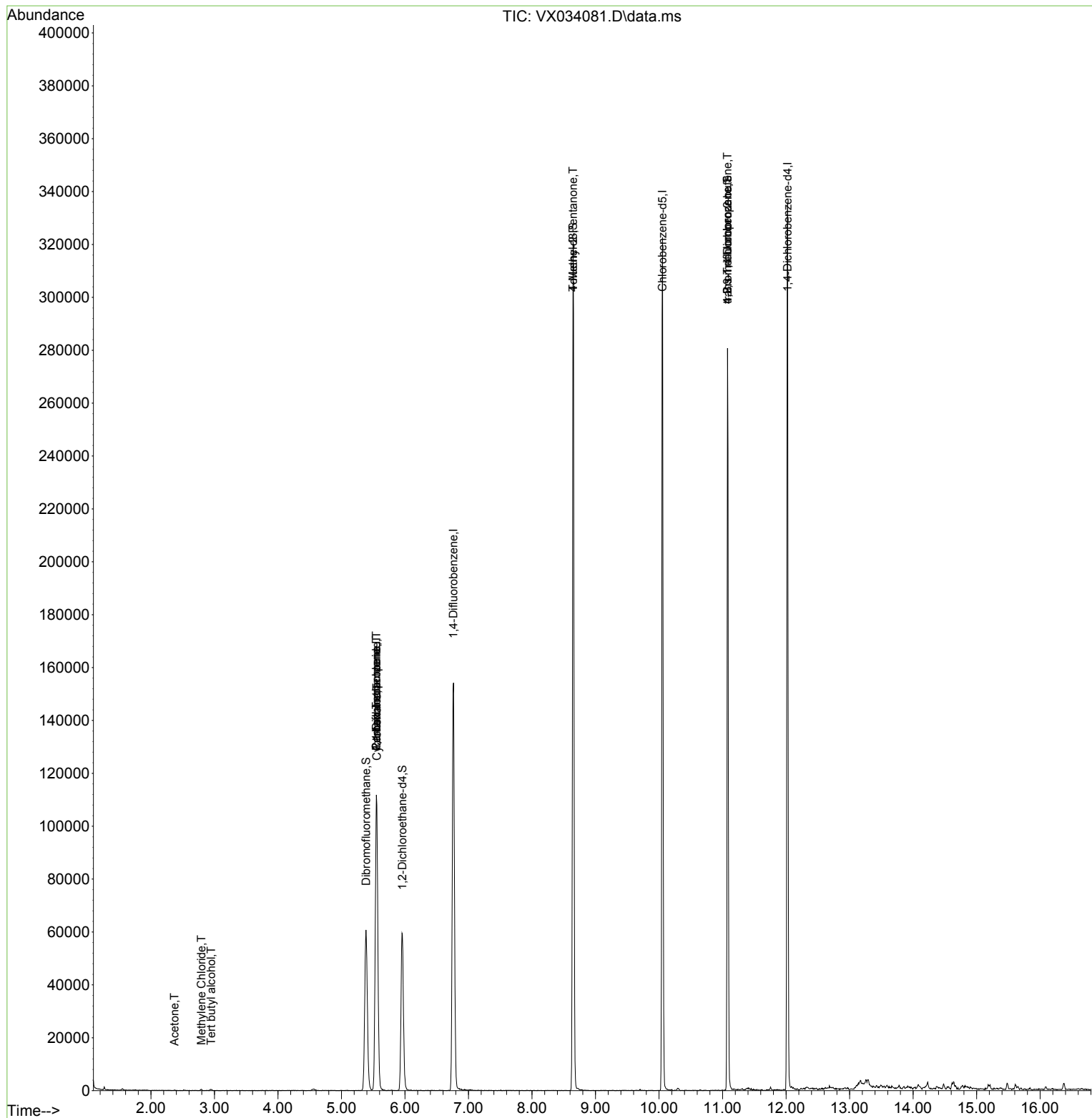
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 5.549     | 168            | 121675   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114            | 169021   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117            | 155610   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152            | 79831    | 50.000     | ug/l   | 0.00     |
|                               |           |                |          |            |        |          |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65             | 59082    | 50.368     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 78 - 117 | Recovery | = 100.740% |        |          |
| 35) Dibromofluoromethane      | 5.385     | 113            | 53149    | 49.409     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 75 - 124 | Recovery | = 98.820%  |        |          |
| 50) Toluene-d8                | 8.646     | 98             | 194011   | 50.058     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 92 - 112 | Recovery | = 100.120% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95             | 71096    | 51.362     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 83 - 123 | Recovery | = 102.720% |        |          |
|                               |           |                |          |            |        |          |
| Target Compounds              |           |                |          |            |        | Qvalue   |
| 11) Tert butyl alcohol        | 2.946     | 59             | 358      | 2.178      | ug/l # | 86       |
| 16) Acetone                   | 2.367     | 43             | 143      | 0.289      | ug/l # | 47       |
| 20) Methylene Chloride        | 2.794     | 84             | 231      | 0.204      | ug/l # | 56       |
| 31) Cyclohexane               | 5.556     | 56             | 1670     | 0.978      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.549     | 75             | 6871     | 4.659      | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.549     | 117            | 10591    | 6.733      | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.646     | 43             | 718      | 0.534      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75             | 33586    | 24.502     | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75             | 33586    | 75.457     | ug/l # | 8        |
| -----                         |           |                |          |            |        |          |

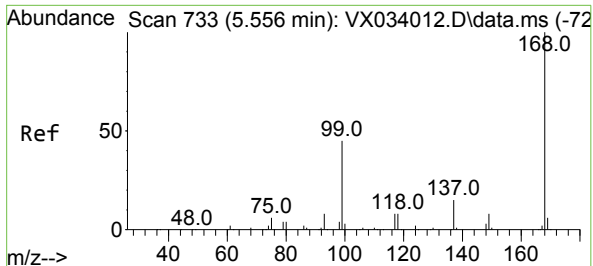
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Quant Time: Feb 09 04:49:55 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020423W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 03 23:25:45 2023  
Response via : Initial Calibration

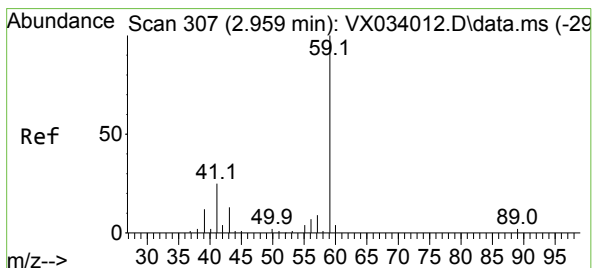
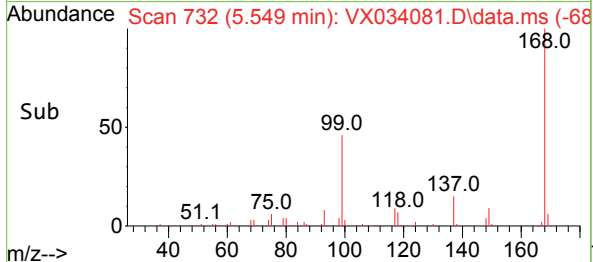
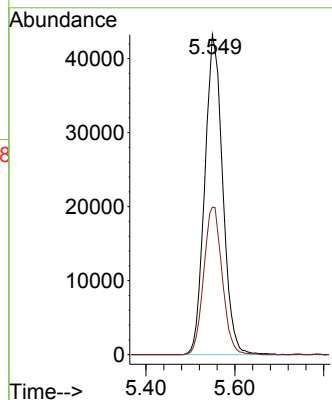
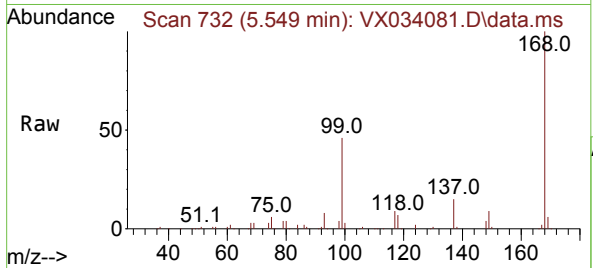




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

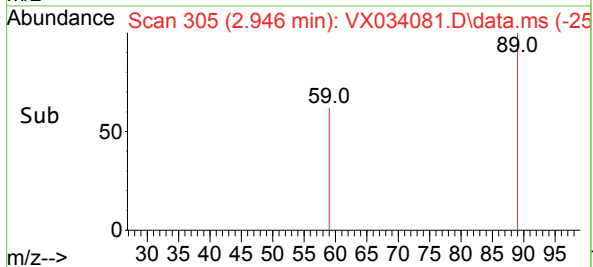
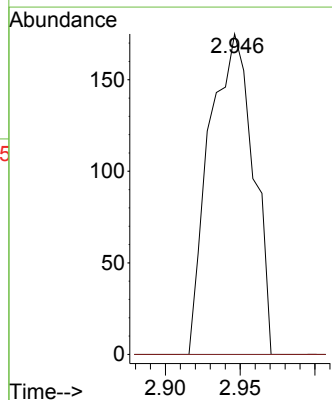
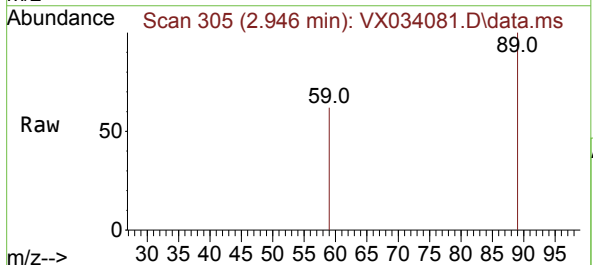
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

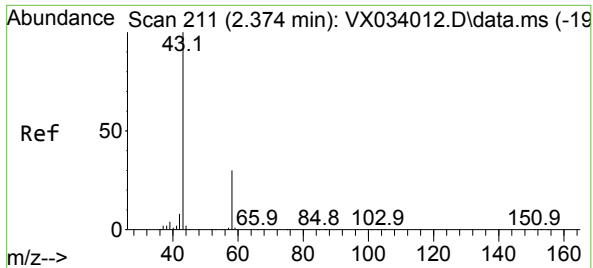
Tgt Ion:168 Resp: 121675  
Ion Ratio Lower Upper  
168 100  
99 46.1 39.6 59.4



#11  
Tert butyl alcohol  
Concen: 2.178 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.013 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

Tgt Ion: 59 Resp: 358  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.7 5.5#

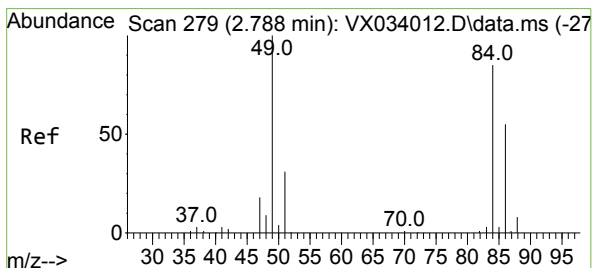
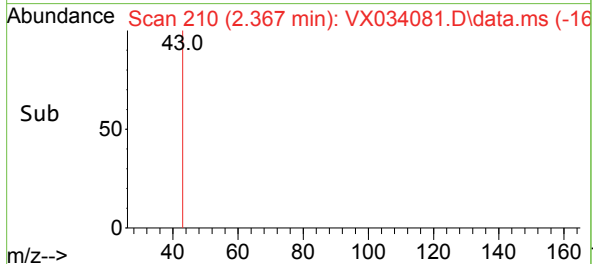
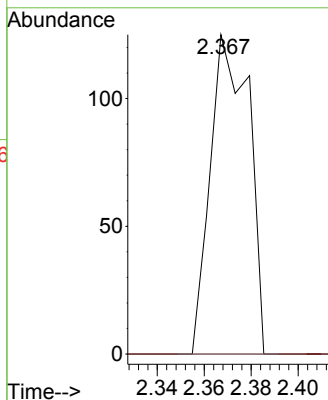
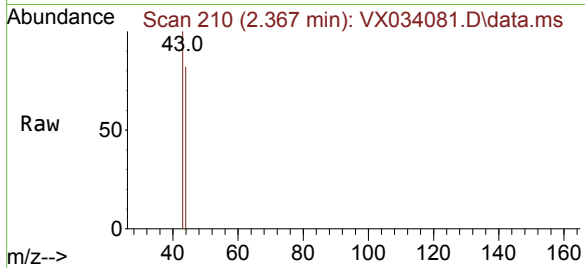




#16  
Acetone  
Concen: 0.289 ug/l  
RT: 2.367 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

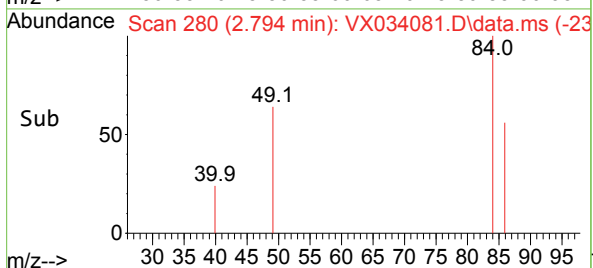
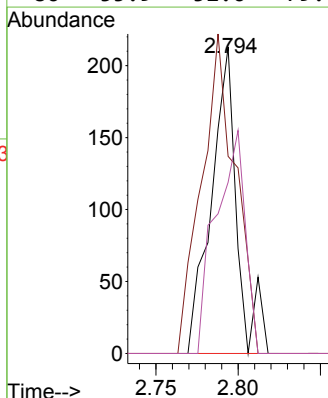
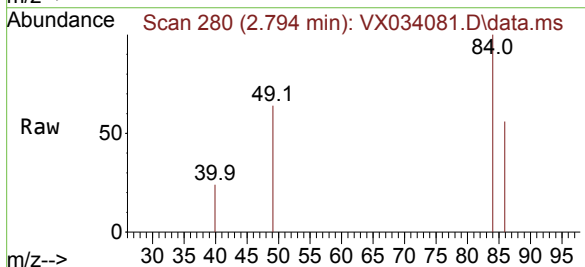
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

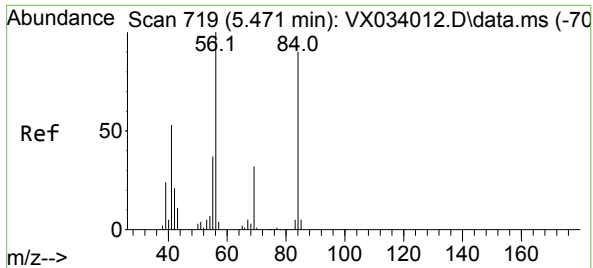
Tgt Ion: 43 Resp: 143  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.6 33.8#



#20  
Methylene Chloride  
Concen: 0.204 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

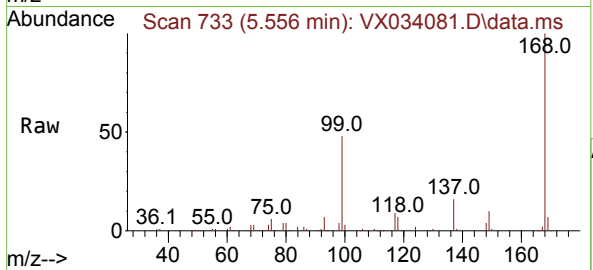
Tgt Ion: 84 Resp: 231  
Ion Ratio Lower Upper  
84 100  
49 64.3 101.1 151.7#  
51 0.0 31.0 46.6#  
86 55.9 52.6 79.0



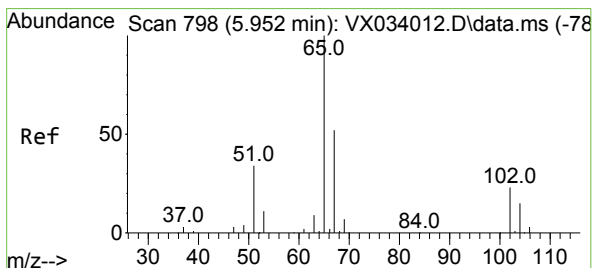
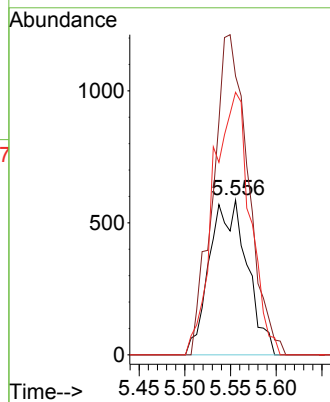
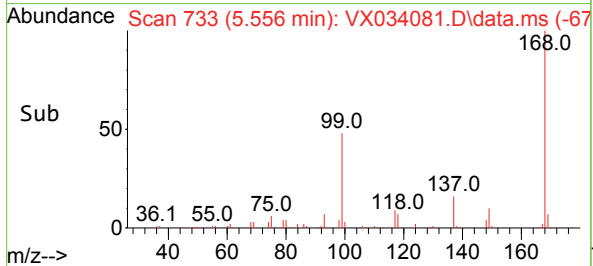


#31  
Cyclohexane  
Concen: 0.978 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

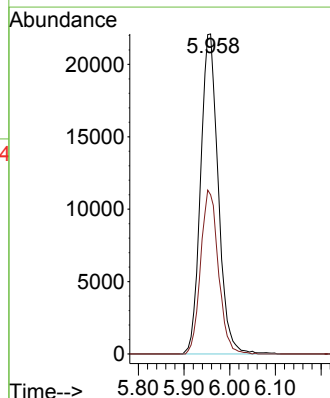
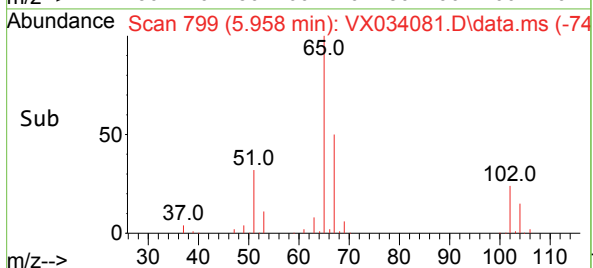
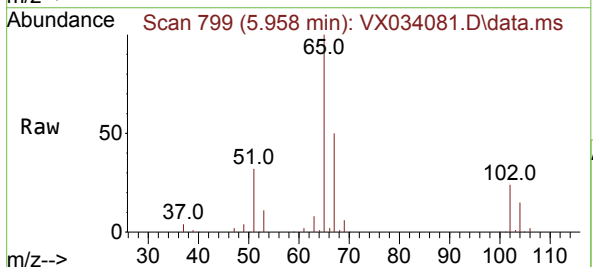


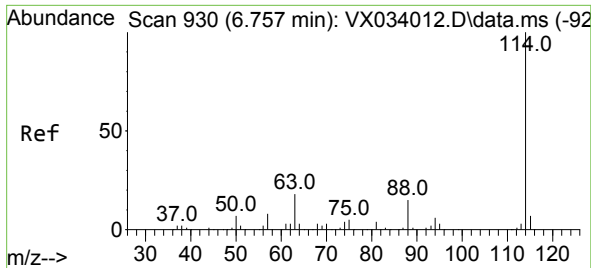
Tgt Ion: 56 Resp: 1670  
Ion Ratio Lower Upper  
56 100  
69 180.2 24.6 37.0#  
84 169.8 71.0 106.6#



#33  
1,2-Dichloroethane-d4  
Concen: 50.368 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

Tgt Ion: 65 Resp: 59082  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 104.8

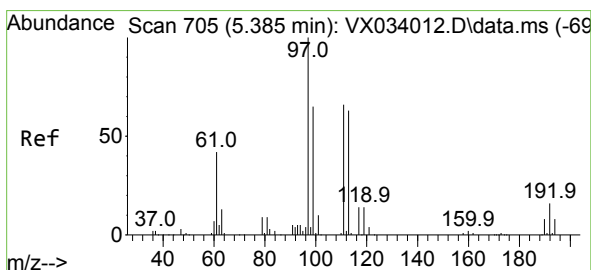
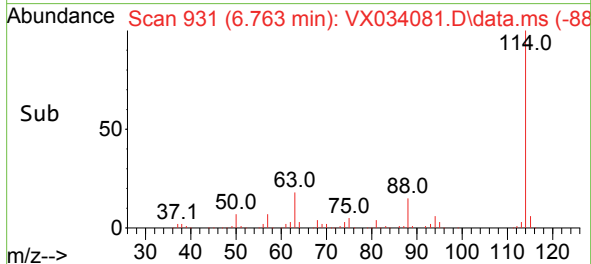
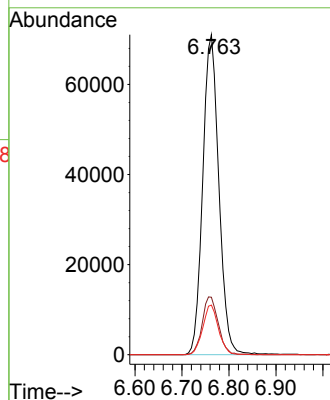
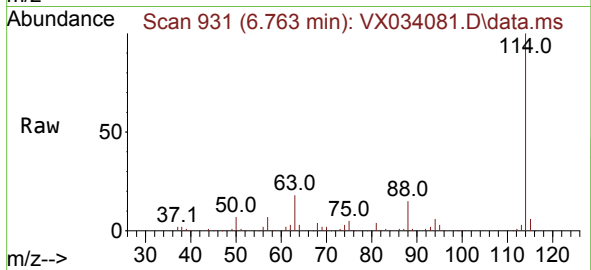




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

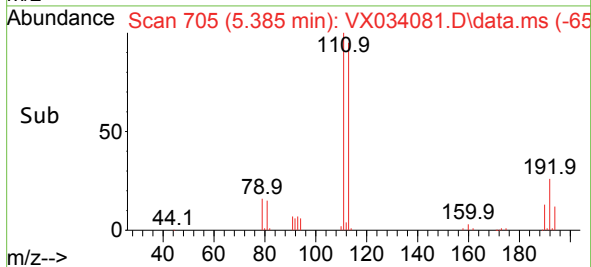
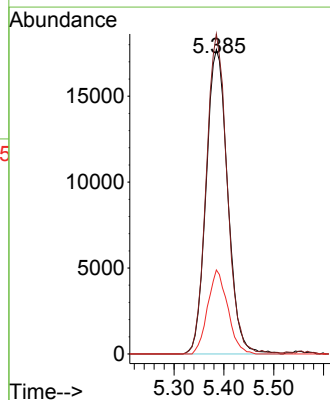
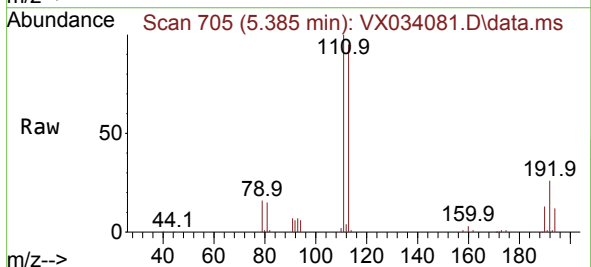
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

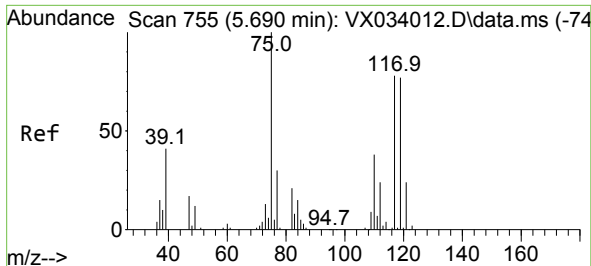
Tgt Ion:114 Resp: 169021  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 37.4  
88 15.5 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 49.409 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

Tgt Ion:113 Resp: 53149  
Ion Ratio Lower Upper  
113 100  
111 101.6 83.0 124.6  
192 25.7 19.0 28.4

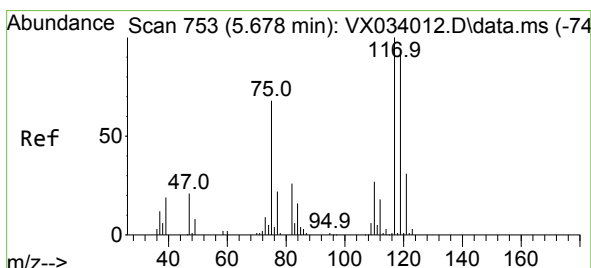
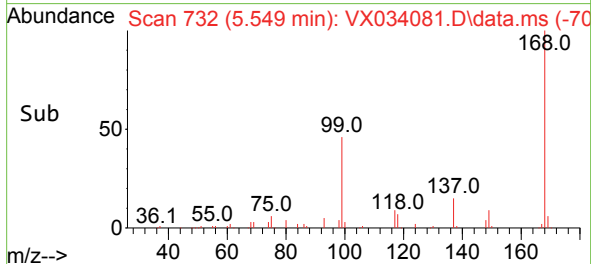
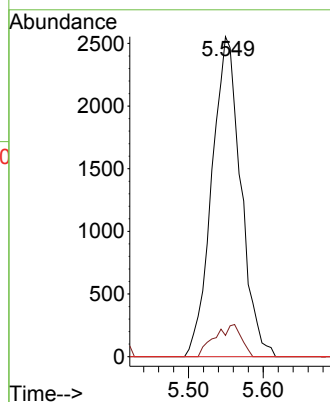
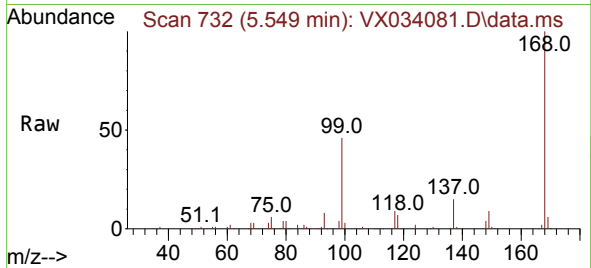




#36  
1,1-Dichloropropene  
Concen: 4.659 ug/l  
RT: 5.549 min Scan# 712  
Delta R.T. -0.141 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

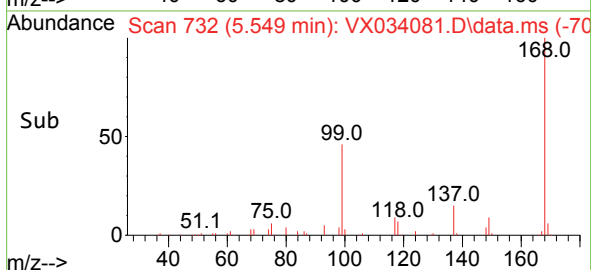
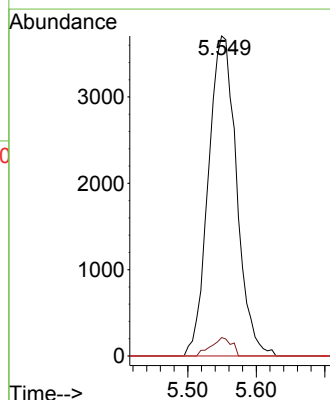
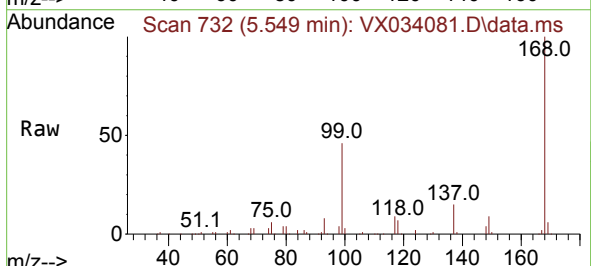
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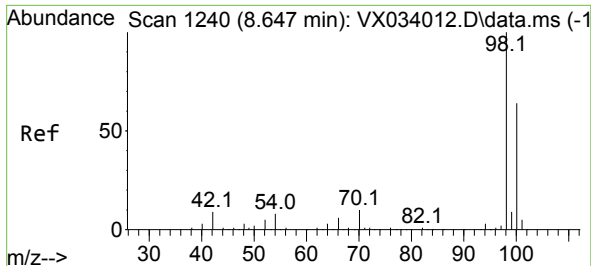
Tgt Ion: 75 Resp: 6871  
Ion Ratio Lower Upper  
75 100  
110 9.2 18.8 56.4#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 6.733 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

Tgt Ion: 117 Resp: 10591  
Ion Ratio Lower Upper  
117 100  
119 5.8 78.0 117.0#  
121 0.0 24.4 36.6#

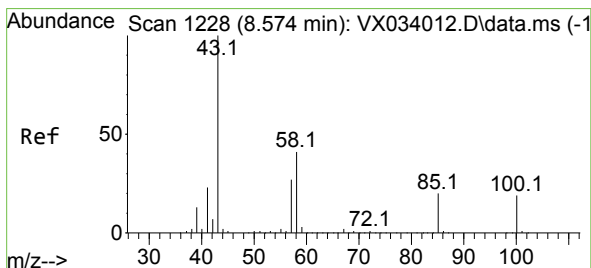
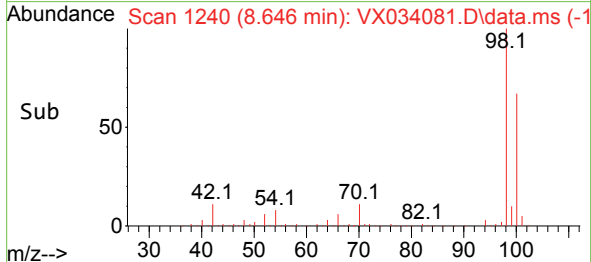
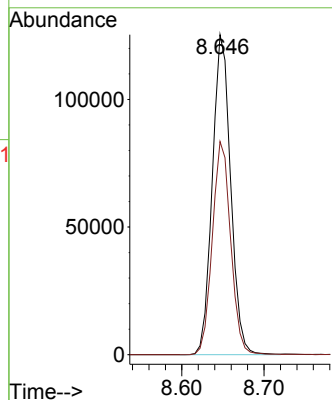
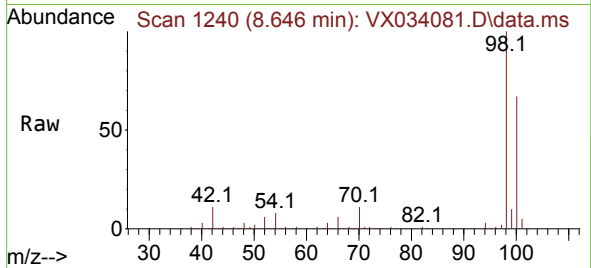




#50  
Toluene-d8  
Concen: 50.058 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

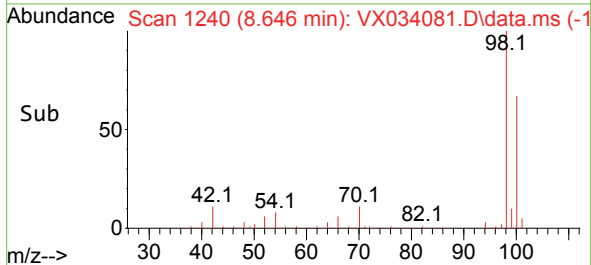
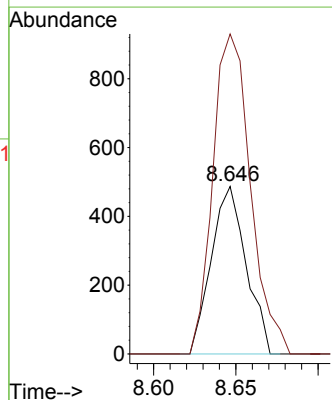
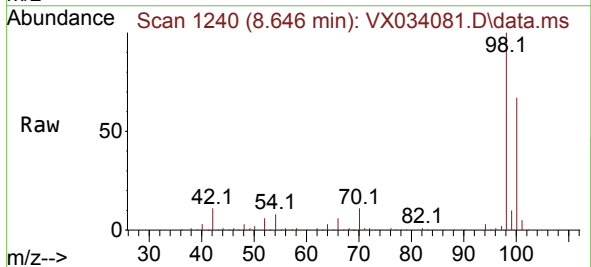
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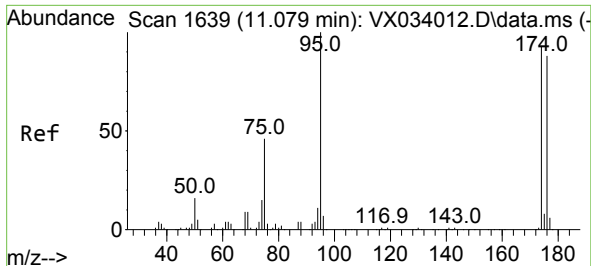
Tgt Ion: 98 Resp: 194011  
Ion Ratio Lower Upper  
98 100  
100 66.8 53.6 80.4



#51  
4-Methyl-2-Pentanone  
Concen: 0.534 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

Tgt Ion: 43 Resp: 718  
Ion Ratio Lower Upper  
43 100  
58 206.1 31.2 46.8#

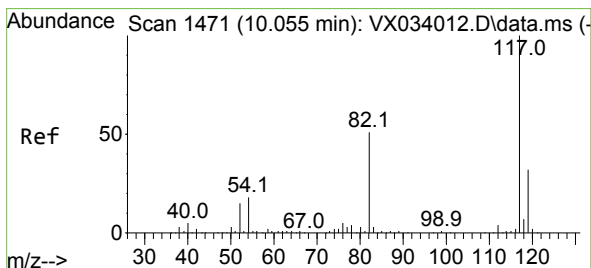
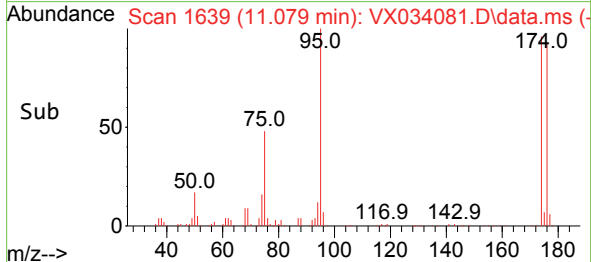
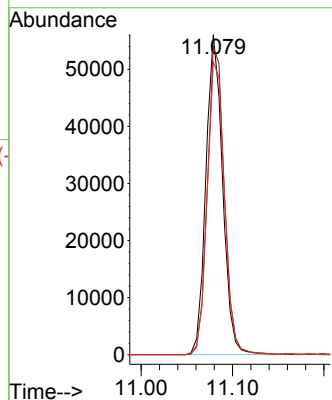
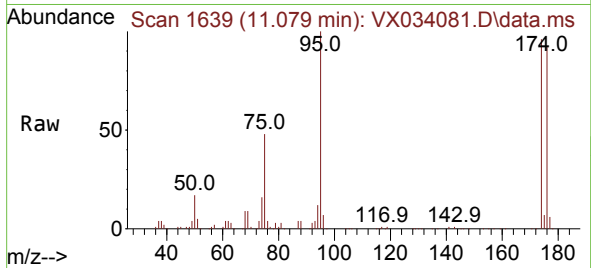




#62  
4-Bromofluorobenzene  
Concen: 51.362 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

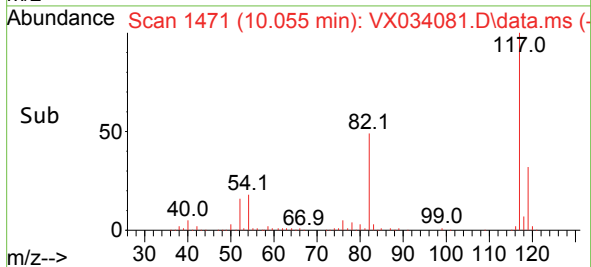
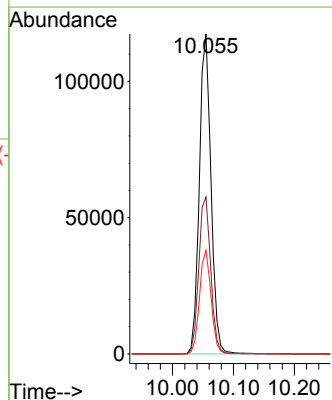
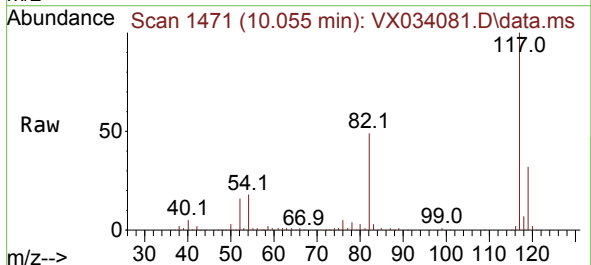
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

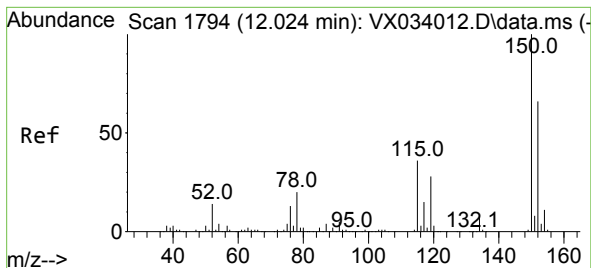
Tgt Ion: 95 Resp: 71096  
Ion Ratio Lower Upper  
95 100  
174 97.7 0.0 184.4  
176 94.9 0.0 178.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX034081.D  
Acq: 08 Feb 2023 13:33

Tgt Ion: 117 Resp: 155610  
Ion Ratio Lower Upper  
117 100  
82 49.0 40.6 60.8  
119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034081.D

Acq: 08 Feb 2023 13:33

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

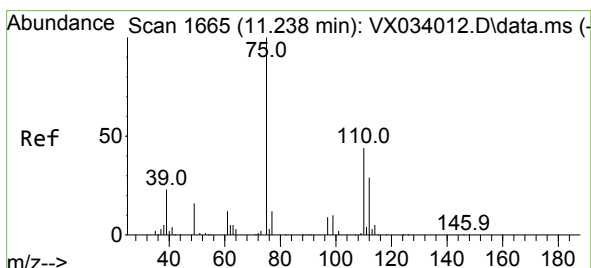
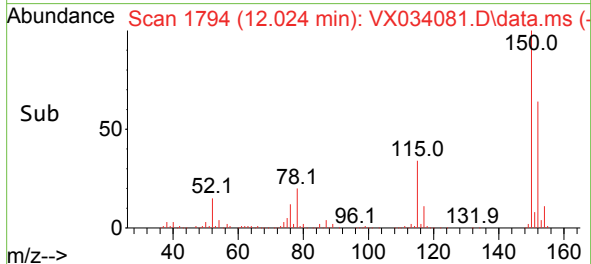
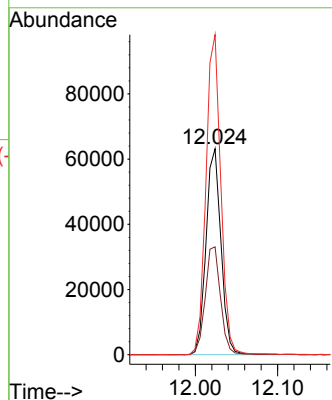
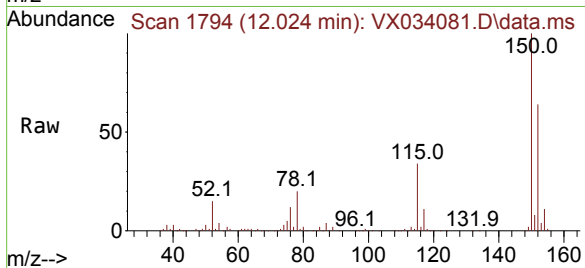
Tgt Ion:152 Resp: 79831

Ion Ratio Lower Upper

152 100

115 53.7 38.7 116.1

150 154.0 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 24.502 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034081.D

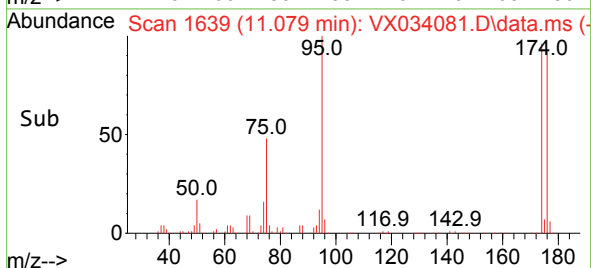
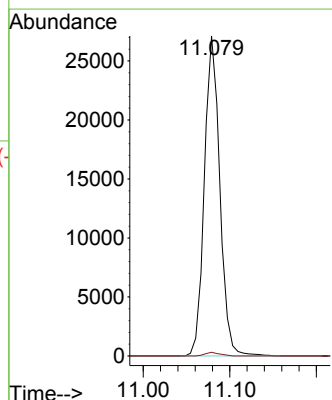
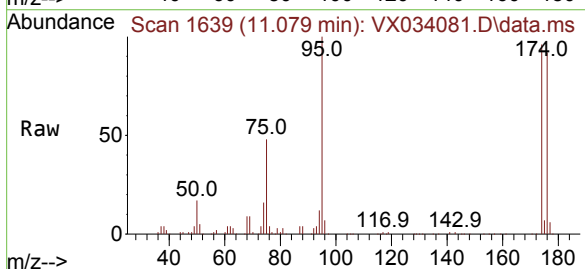
Acq: 08 Feb 2023 13:33

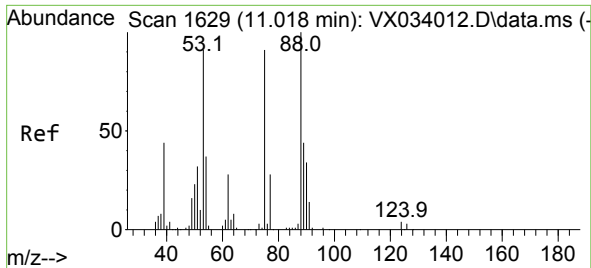
Tgt Ion: 75 Resp: 33586

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.4#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 75.457 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX034081.D  
 Acq: 08 Feb 2023 13:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Tgt Ion: 75 Resp: 33586  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.0 124.6#  
 89 0.0 37.7 56.5#

