

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041723\  
 Data File : VX035110.D  
 Acq On : 17 Apr 2023 15:39  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Apr 18 05:53:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.556  | 168  | 302418   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 503773   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 444423   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 187310   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 190881   | 41.271   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 82.540% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 153815   | 46.162   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 92.320% |
| 50) Toluene-d8              | 8.647  | 98    | 593909   | 48.290   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 96.580% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 212834   | 44.719   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 89.440% |

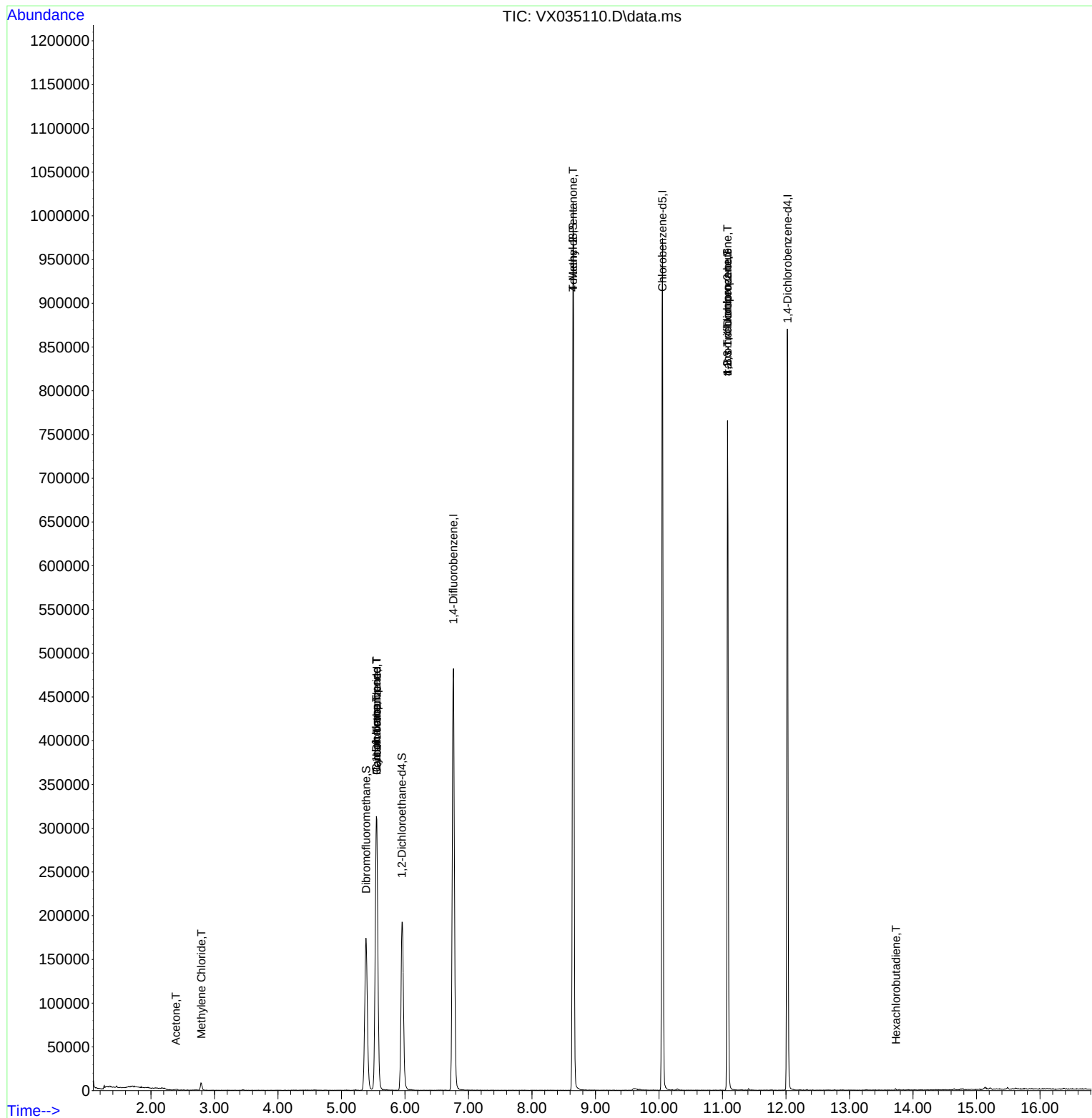
| Target Compounds              |        |     |        |        |        | Qvalue |
|-------------------------------|--------|-----|--------|--------|--------|--------|
| 16) Acetone                   | 2.392  | 43  | 1379   | 0.734  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.794  | 84  | 3813   | 1.028  | ug/l   | 91     |
| 31) Cyclohexane               | 5.550  | 56  | 6244   | 1.109  | ug/l # | 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75  | 23670  | 4.795  | ug/l # | 51     |
| 38) Carbon Tetrachloride      | 5.556  | 117 | 30844  | 6.627  | ug/l # | 15     |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43  | 2776   | 0.543  | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 106912 | 28.327 | ug/l # | 34     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 106912 | 84.895 | ug/l # | 8      |
| 94) Hexachlorobutadiene       | 13.731 | 225 | 371    | 0.241  | ug/l   | 71     |

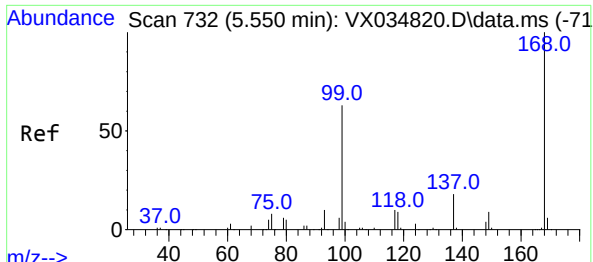
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Quant Time: Apr 18 05:53:57 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
Quant Title : SW846 8260  
QLast Update : Sat Apr 01 01:50:18 2023  
Response via : Initial Calibration

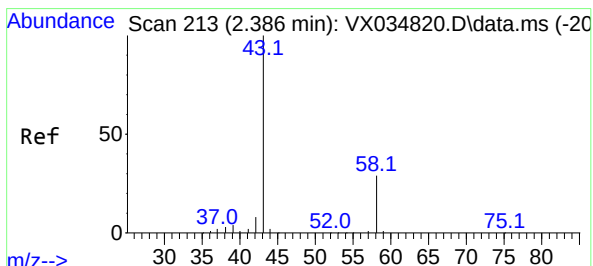
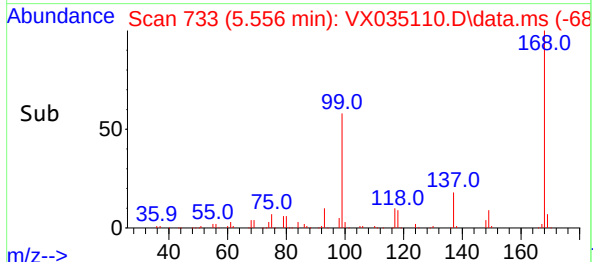
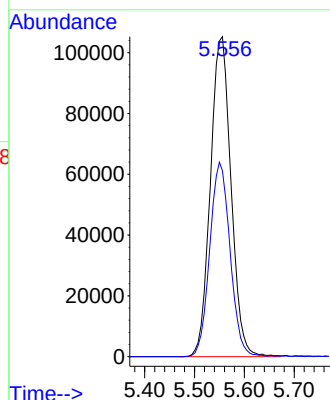
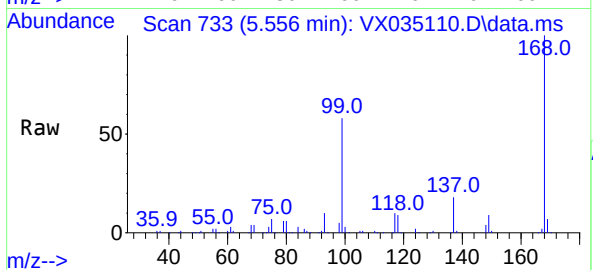




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

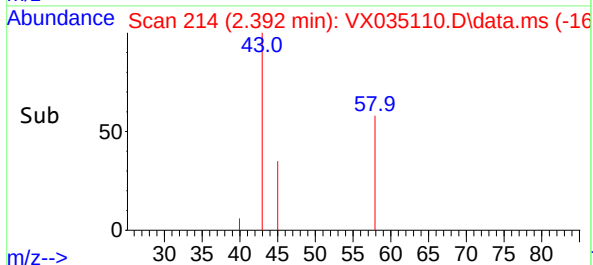
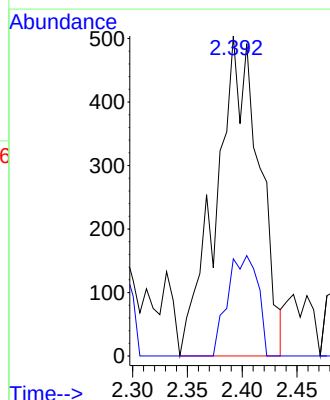
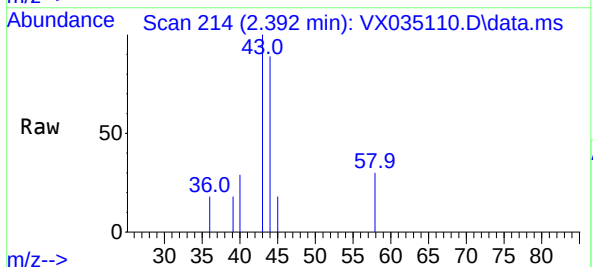
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

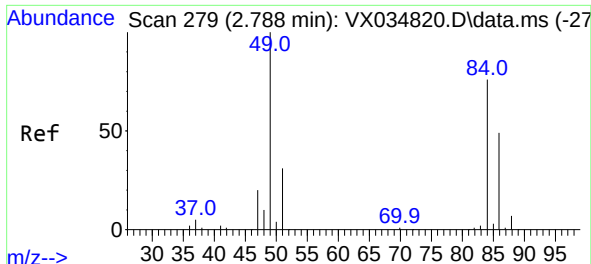
Tgt Ion:168 Resp: 302418  
Ion Ratio Lower Upper  
168 100  
99 58.1 45.7 68.5



#16  
Acetone  
Concen: 0.734 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

Tgt Ion: 43 Resp: 1379  
Ion Ratio Lower Upper  
43 100  
58 30.4 24.7 37.1



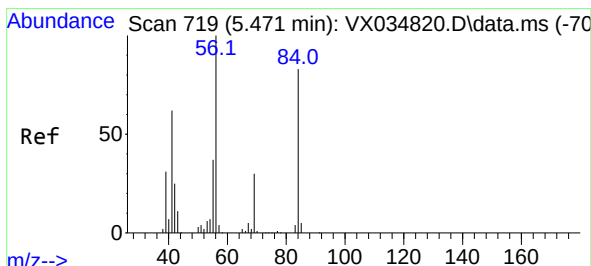
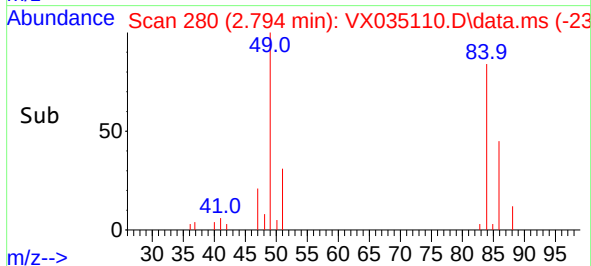
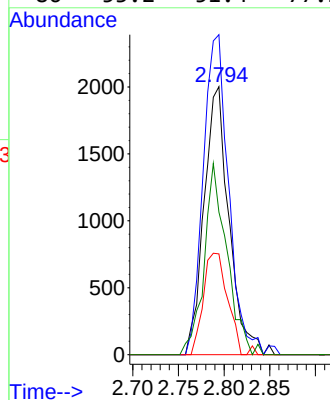
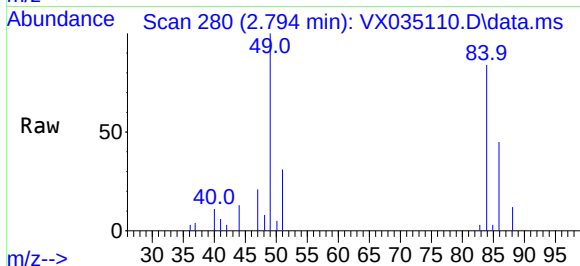


#20  
Methylene Chloride  
Concen: 1.028 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Tgt Ion: 84 Resp: 3813

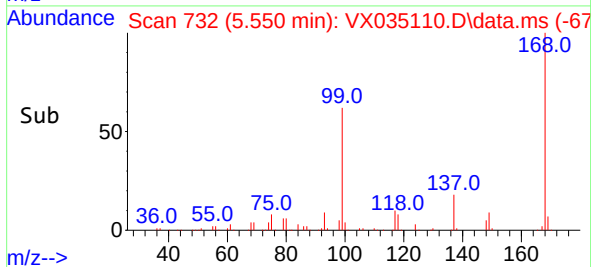
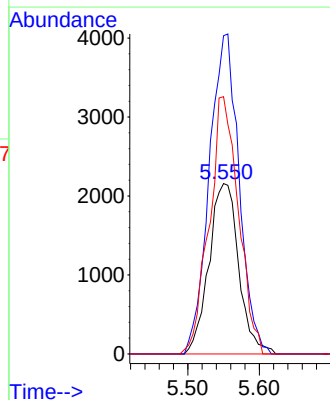
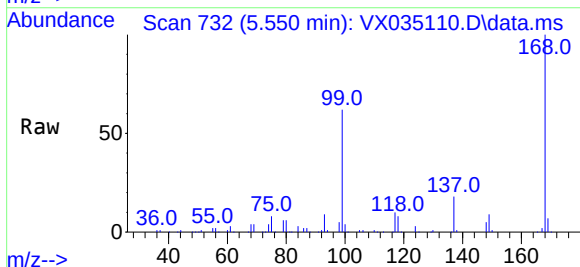
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 119.4 | 103.8 | 155.8 |
| 51  | 37.6  | 31.8  | 47.8  |
| 86  | 53.2  | 51.4  | 77.2  |

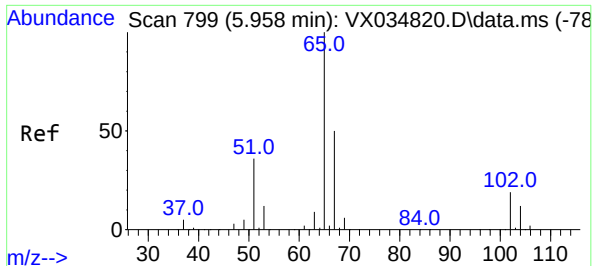


#31  
Cyclohexane  
Concen: 1.109 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

Tgt Ion: 56 Resp: 6244

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 186.7 | 23.7  | 35.5#  |
| 84  | 151.0 | 68.5  | 102.7# |

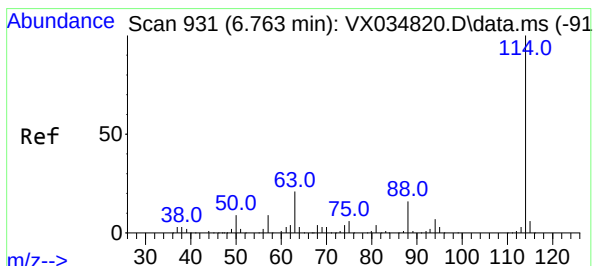
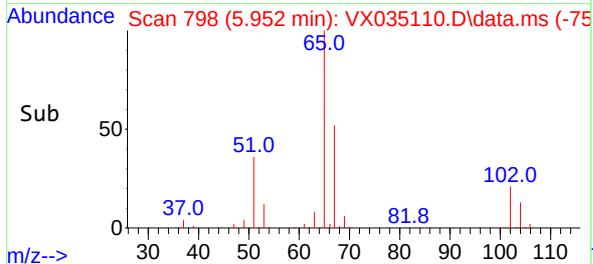
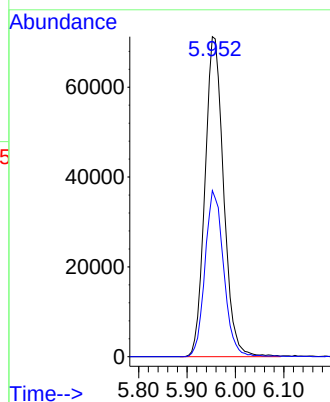
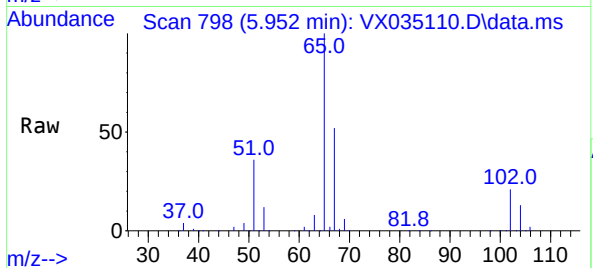




#33  
1,2-Dichloroethane-d4  
Concen: 41.271 ug/l  
RT: 5.952 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

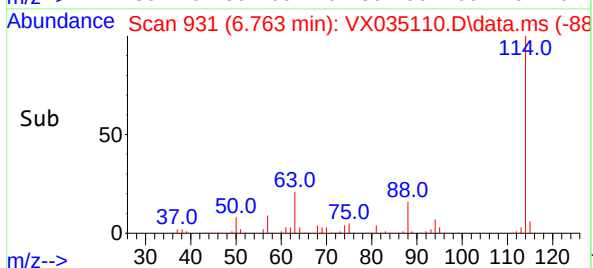
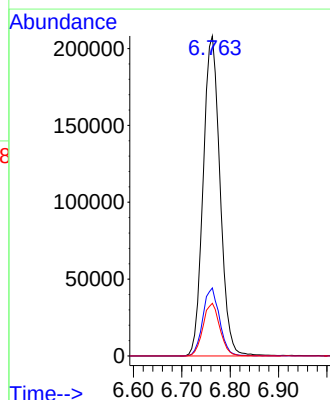
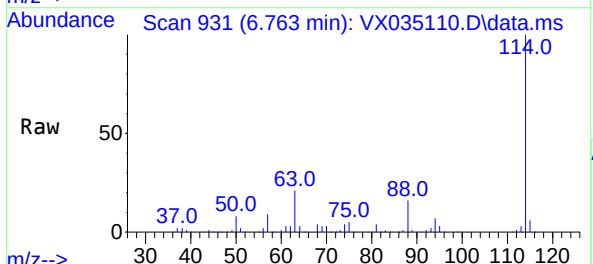
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

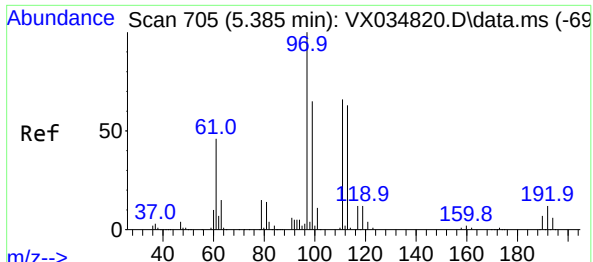
Tgt Ion: 65 Resp: 190881  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 104.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

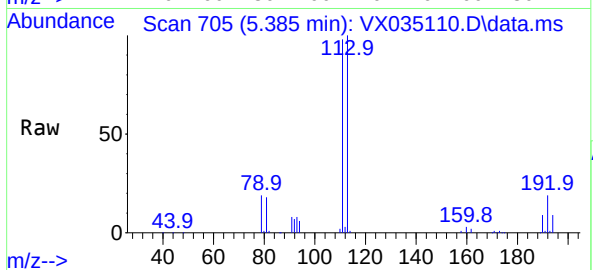
Tgt Ion: 114 Resp: 503773  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 42.2  
88 16.4 0.0 33.2



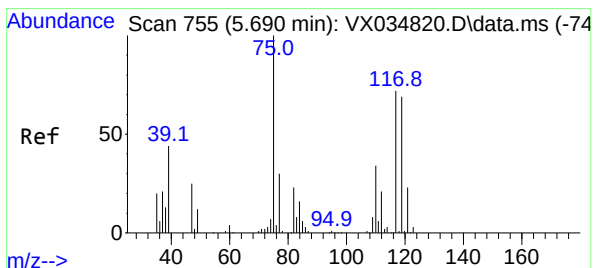
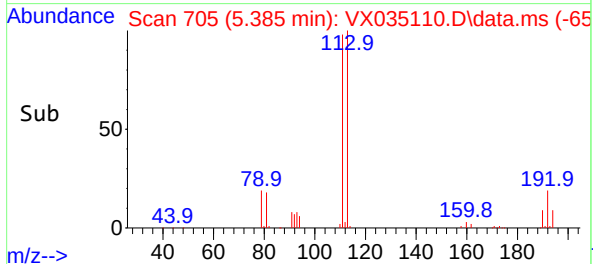
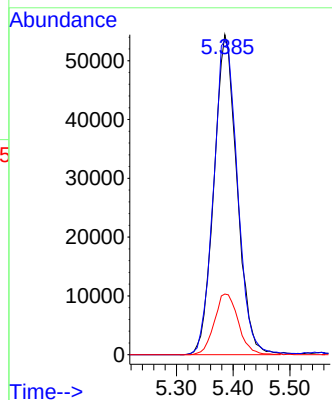


#35  
Dibromofluoromethane  
Concen: 46.162 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

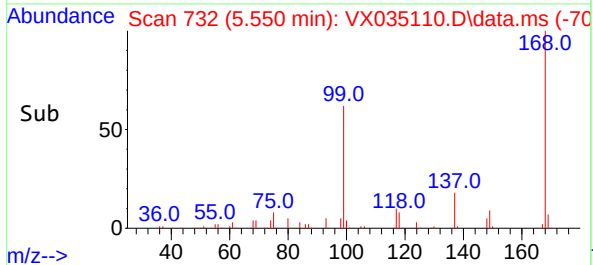
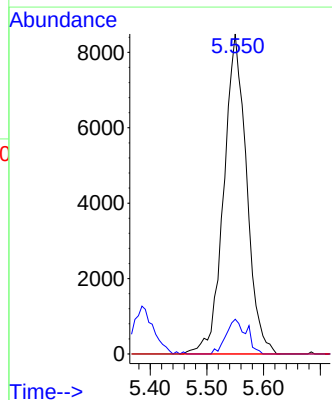
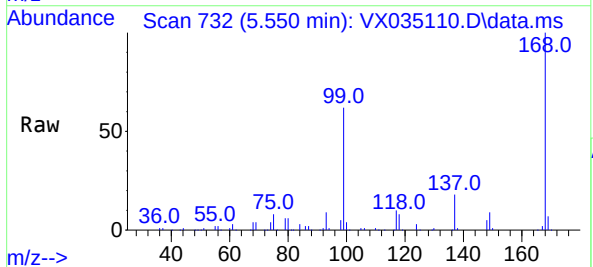


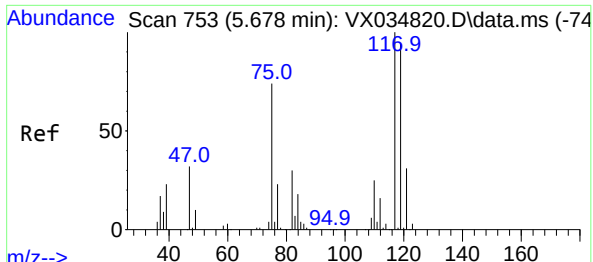
Tgt Ion:113 Resp: 153815  
Ion Ratio Lower Upper  
113 100  
111 102.2 83.7 125.5  
192 19.7 15.4 23.2



#36  
1,1-Dichloropropene  
Concen: 4.795 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

Tgt Ion: 75 Resp: 23670  
Ion Ratio Lower Upper  
75 100  
110 9.8 17.5 52.5#  
77 0.0 24.3 36.5#

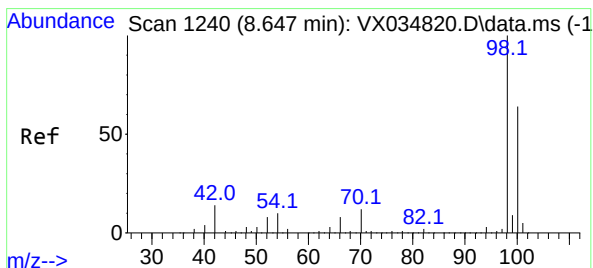
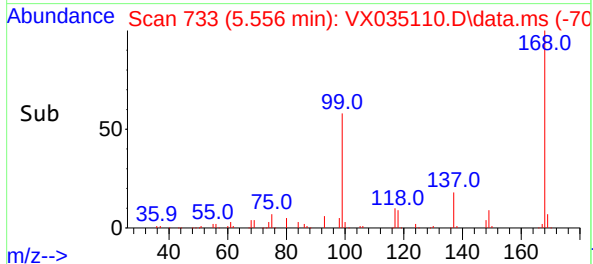
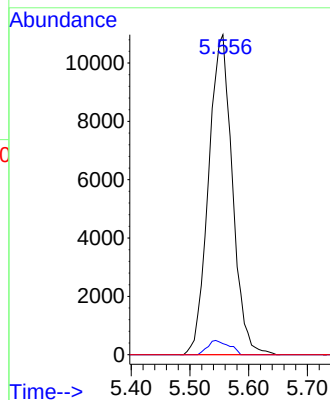
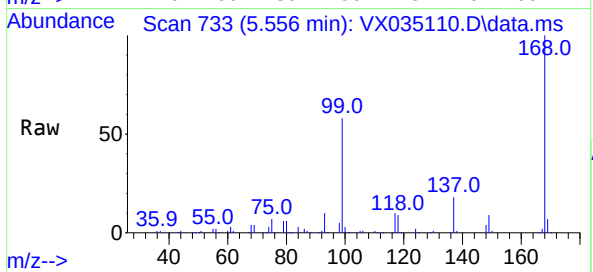




#38  
Carbon Tetrachloride  
Concen: 6.627 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

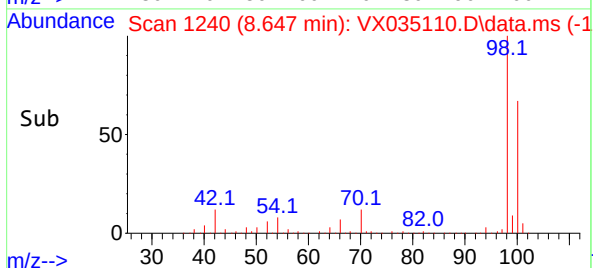
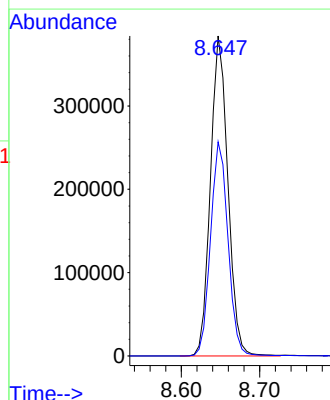
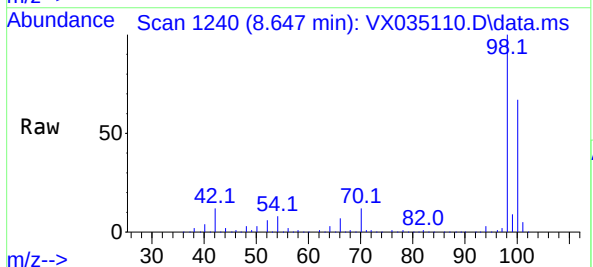
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

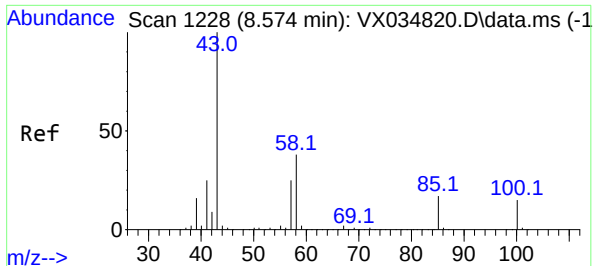
Tgt Ion:117 Resp: 30844  
Ion Ratio Lower Upper  
117 100  
119 3.4 76.6 114.8#  
121 0.0 23.8 35.6#



#50  
Toluene-d8  
Concen: 48.290 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

Tgt Ion: 98 Resp: 593909  
Ion Ratio Lower Upper  
98 100  
100 67.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.543 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX035110.D

Acq: 17 Apr 2023 15:39

Instrument :

MSVOA\_X

ClientSampleId :

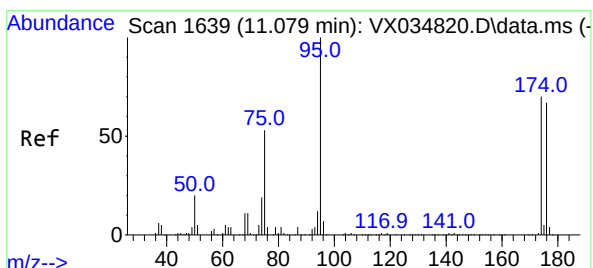
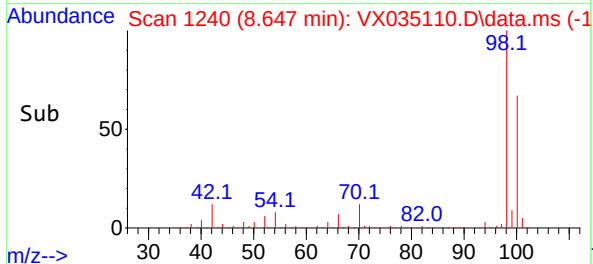
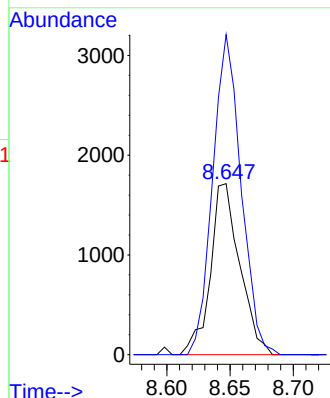
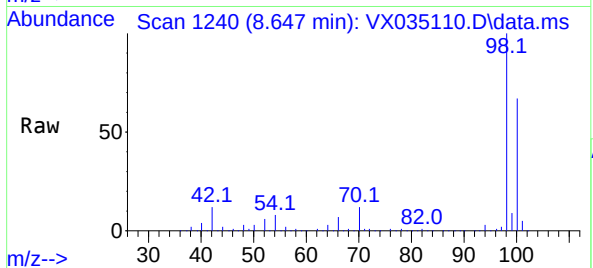
IBLK

Tgt Ion: 43 Resp: 2776

Ion Ratio Lower Upper

43 100

58 180.2 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 44.719 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035110.D

Acq: 17 Apr 2023 15:39

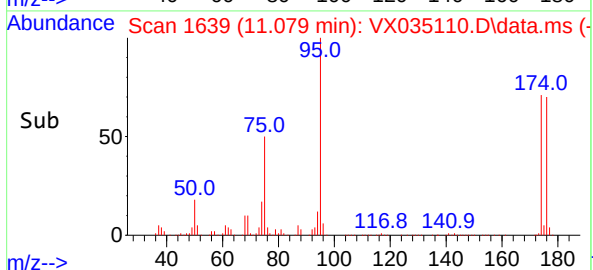
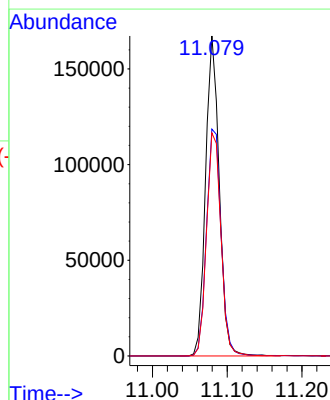
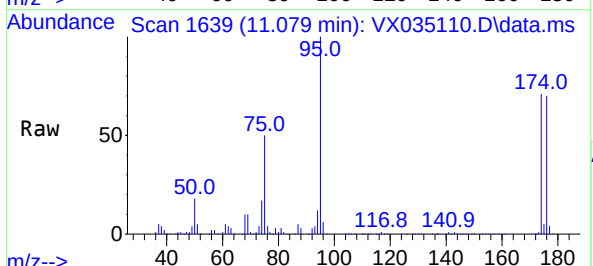
Tgt Ion: 95 Resp: 212834

Ion Ratio Lower Upper

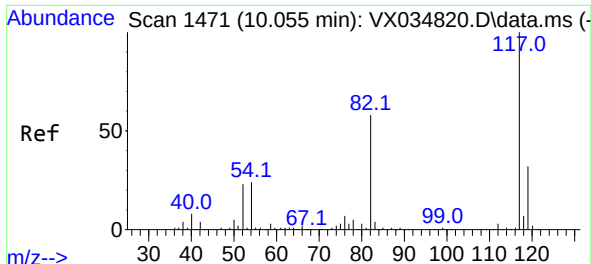
95 100

174 75.7 0.0 147.4

176 73.3 0.0 140.6



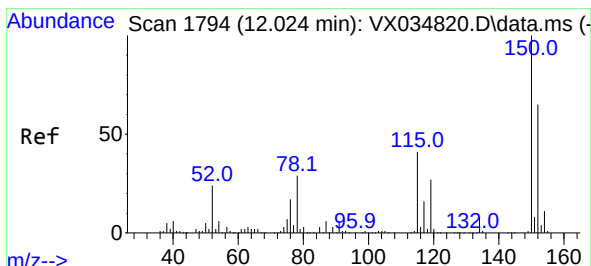
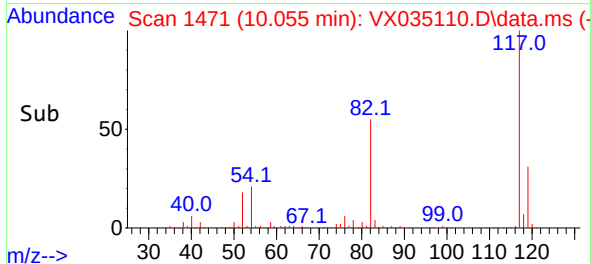
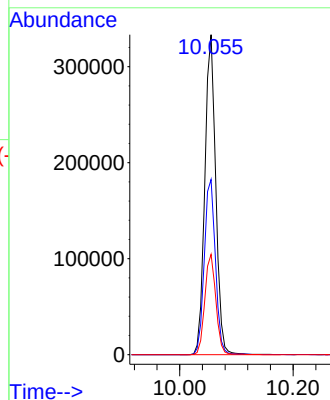
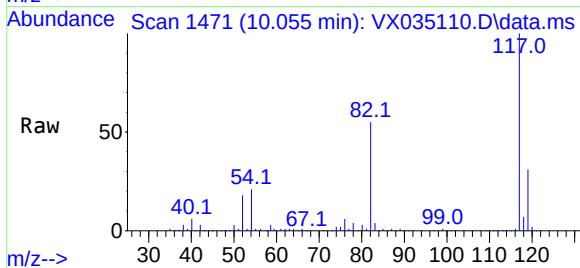




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

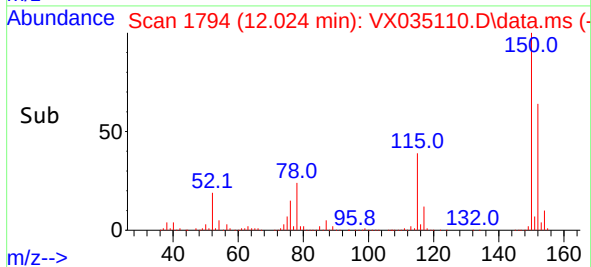
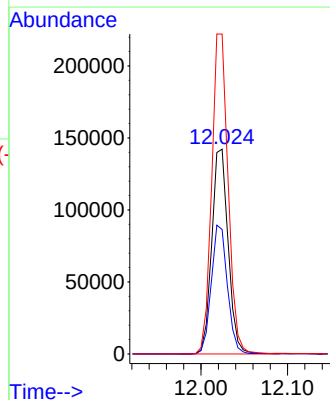
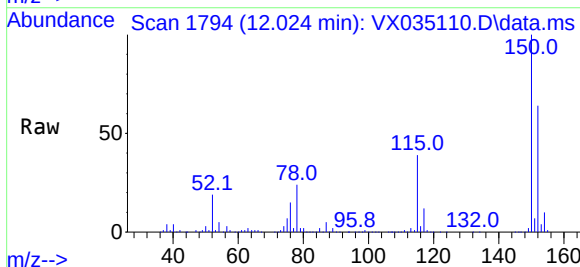
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

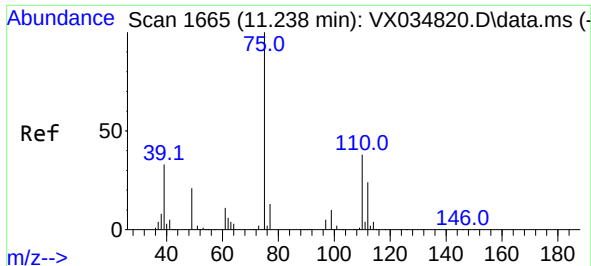
Tgt Ion:117 Resp: 444423  
Ion Ratio Lower Upper  
117 100  
82 54.8 45.0 67.4  
119 31.4 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

Tgt Ion:152 Resp: 187310  
Ion Ratio Lower Upper  
152 100  
115 62.0 45.0 135.0  
150 155.9 0.0 352.4

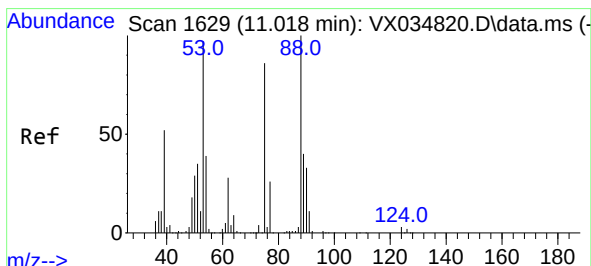
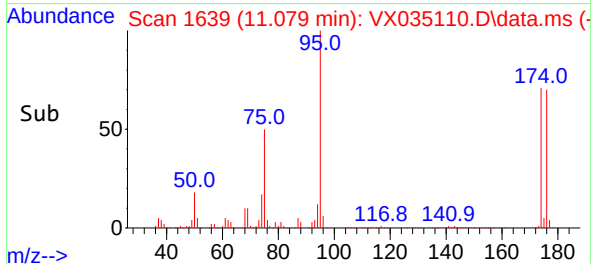
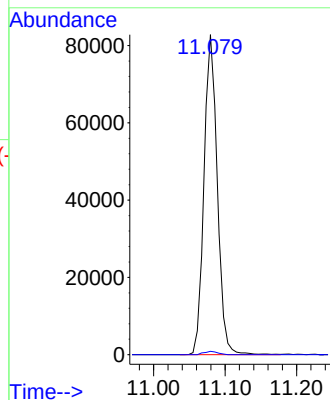
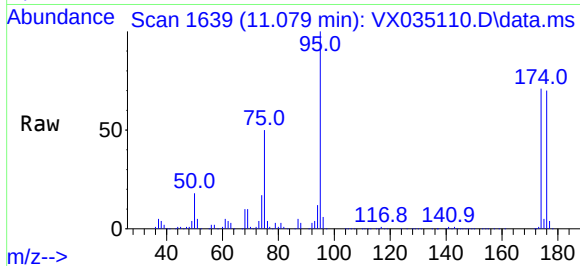




#76  
1,2,3-Trichloropropane  
Concen: 28.327 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

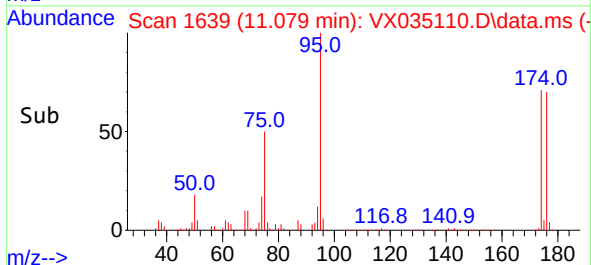
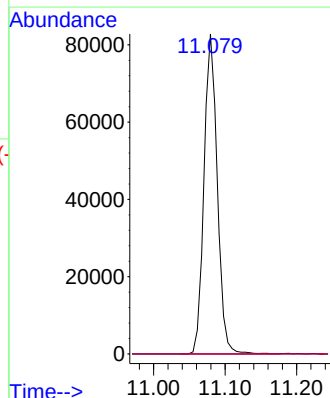
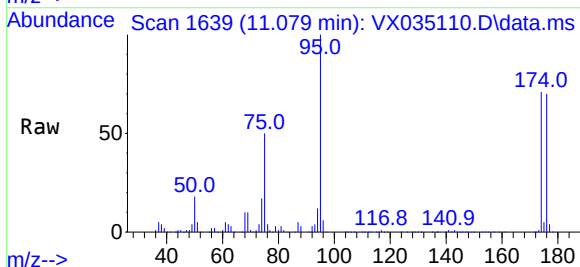
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

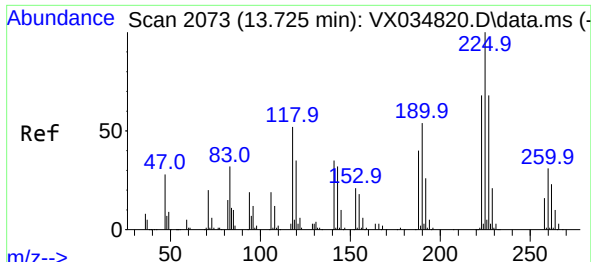
Tgt Ion: 75 Resp: 106912  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.6 64.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 84.895 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

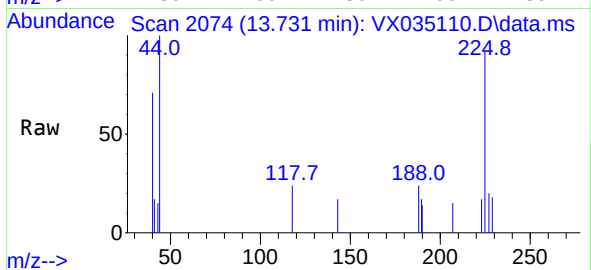
Tgt Ion: 75 Resp: 106912  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.6 124.0#  
89 0.0 36.9 55.3#





#94  
Hexachlorobutadiene  
Concen: 0.241 ug/l  
RT: 13.731 min Scan# 2074  
Delta R.T. 0.006 min  
Lab File: VX035110.D  
Acq: 17 Apr 2023 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 371   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 35.8  | 32.1  | 96.5  |
| 227      | 46.1  | 31.8  | 95.4  |

