

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042523\  
 Data File : VX035271.D  
 Acq On : 25 Apr 2023 09:51  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Apr 25 10:43:26 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

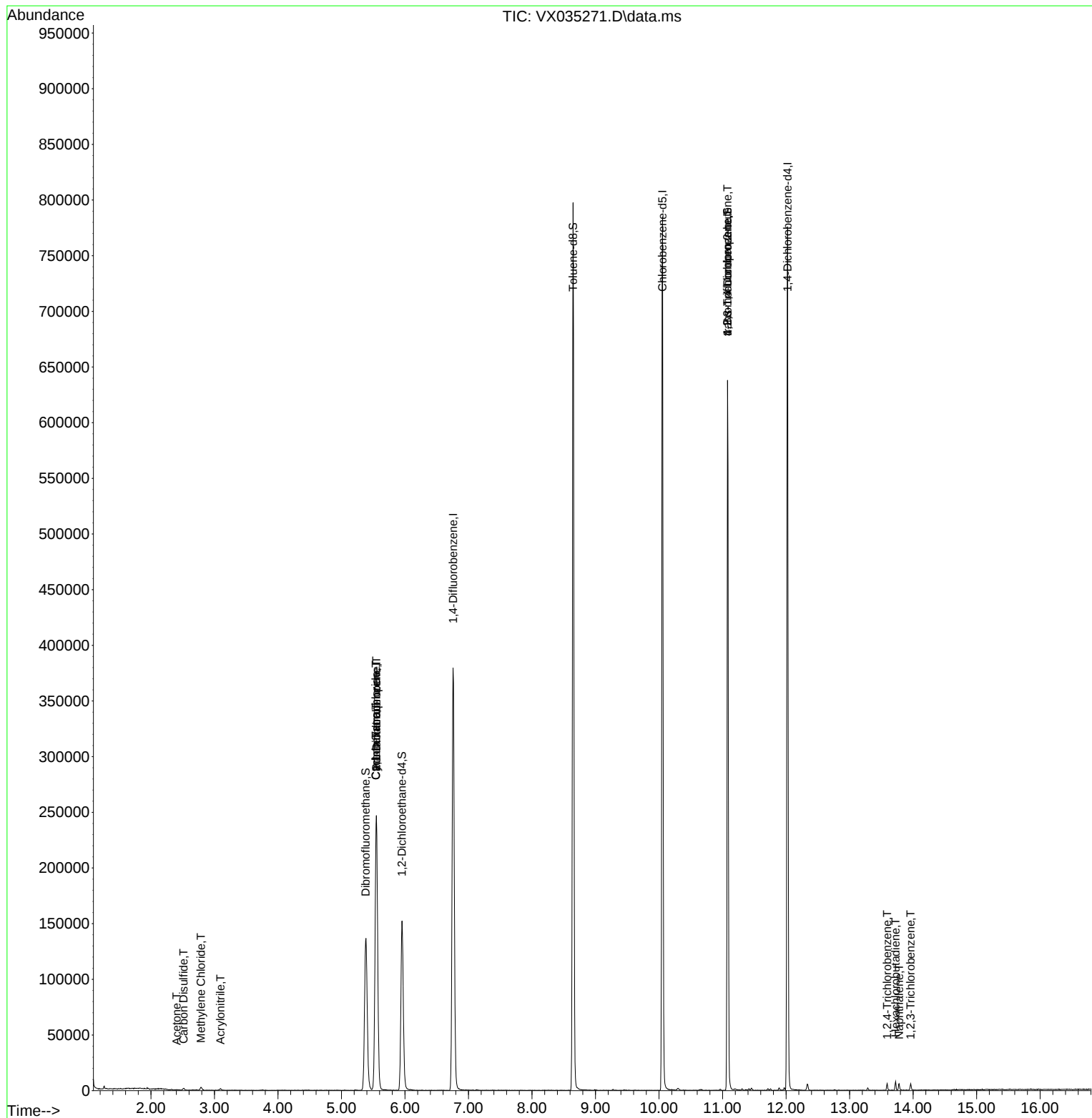
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 240147     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 402558     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 369536     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 170763     | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 146364     | 39.852  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 79.700% |        |          |
| 35) Dibromofluoromethane      | 5.379          | 113  | 123794     | 46.494  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 92.980% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 473685     | 48.198  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 96.400% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 177570     | 46.691  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 93.380% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 15) Acrylonitrile             | 3.093          | 53   | 429        | 0.296   | ug/l # | 70       |
| 16) Acetone                   | 2.404          | 43   | 493        | 0.330   | ug/l   | 97       |
| 17) Carbon Disulfide          | 2.514          | 76   | 2006       | 0.325   | ug/l # | 90       |
| 20) Methylene Chloride        | 2.788          | 84   | 1282       | 0.435   | ug/l # | 80       |
| 31) Cyclohexane               | 5.544          | 56   | 4670       | 1.044   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 17696      | 4.486   | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 23909      | 6.429   | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 87847      | 25.531  | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 87847      | 76.516  | ug/l # | 8        |
| 93) 1,2,4-Trichlorobenzene    | 13.591         | 180  | 1515       | 0.474   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 1213       | 0.863   | ug/l   | 93       |
| 95) Naphthalene               | 13.780         | 128  | 4418       | 0.389   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 1843       | 0.572   | ug/l   | 98       |
| -----                         |                |      |            |         |        |          |

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

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Sample : IBLK  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Quant Time: Apr 25 10:43:26 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

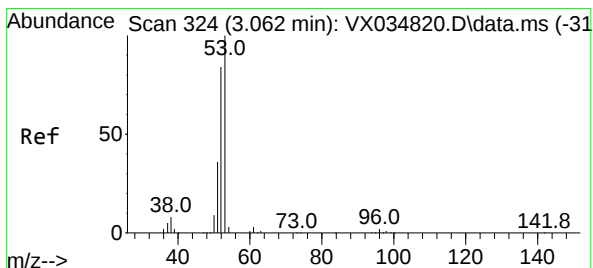
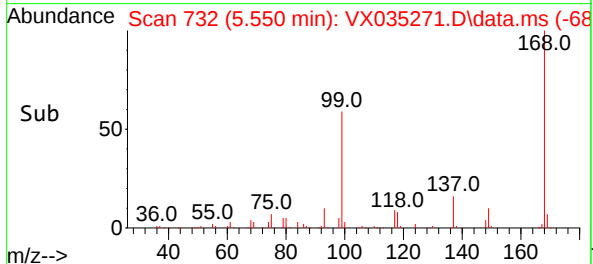
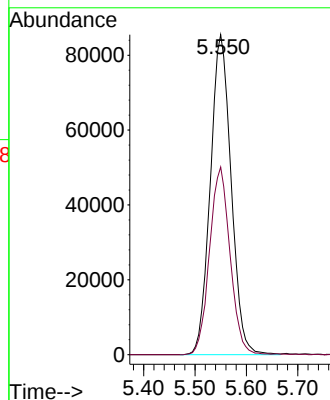
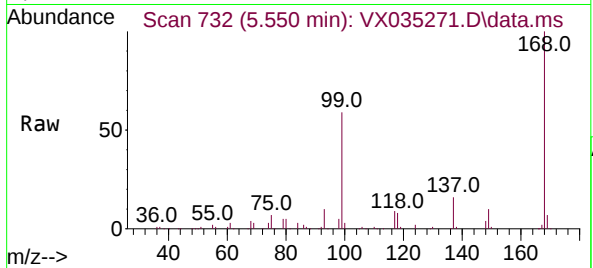




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

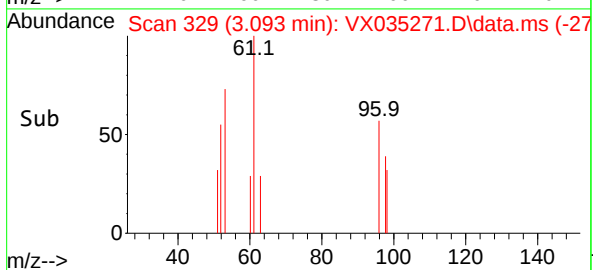
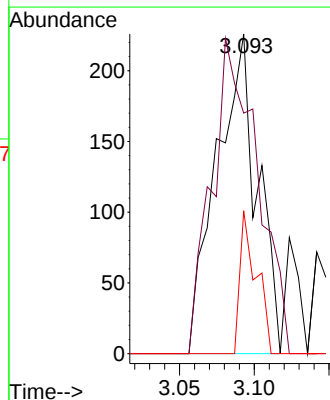
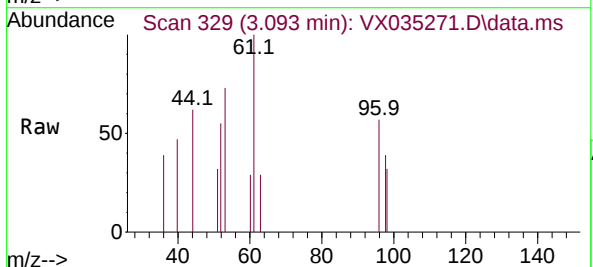
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

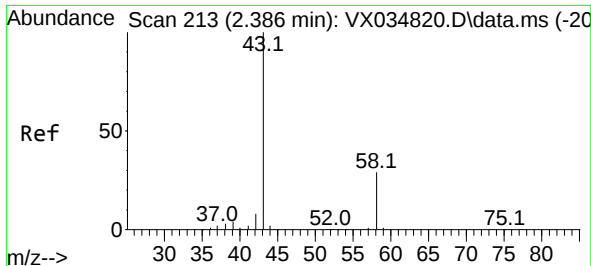
Tgt Ion:168 Resp: 240147  
Ion Ratio Lower Upper  
168 100  
99 58.7 45.7 68.5



#15  
Acrylonitrile  
Concen: 0.296 ug/l  
RT: 3.093 min Scan# 329  
Delta R.T. 0.030 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

Tgt Ion: 53 Resp: 429  
Ion Ratio Lower Upper  
53 100  
52 110.3 66.2 99.2#  
51 17.9 28.3 42.5#





#16

Acetone

Concen: 0.330 ug/l

RT: 2.404 min Scan# 213

Delta R.T. 0.018 min

Lab File: VX035271.D

Acq: 25 Apr 2023 09:51

Instrument :

MSVOA\_X

ClientSampleId :

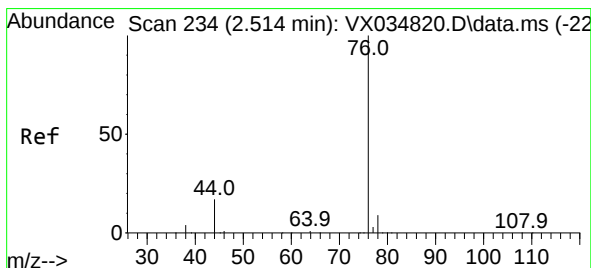
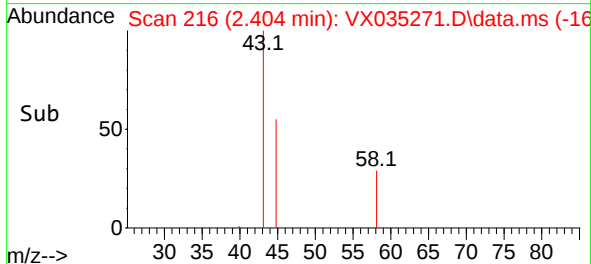
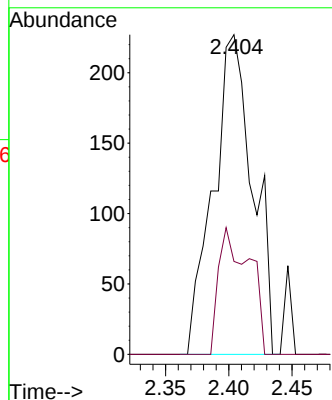
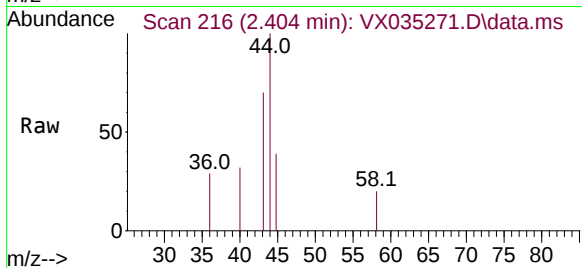
IBLK

Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

43 100

58 29.1 24.7 37.1



#17

Carbon Disulfide

Concen: 0.325 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX035271.D

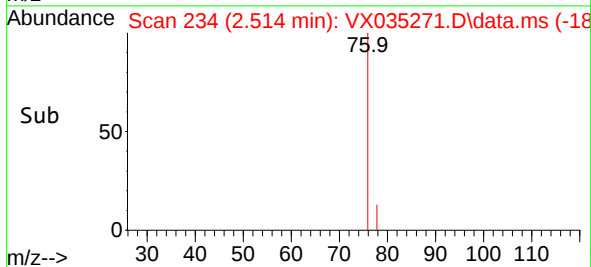
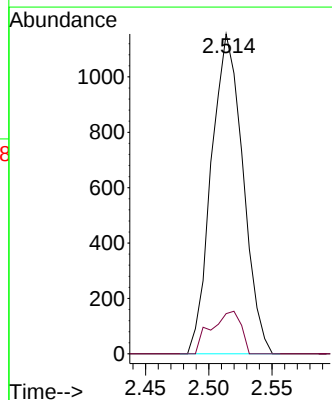
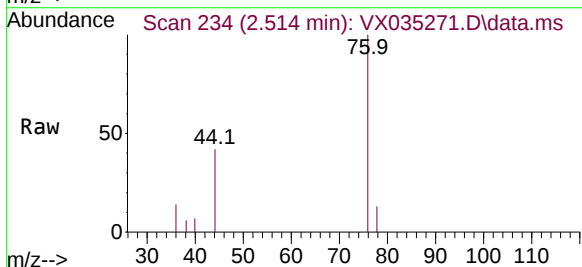
Acq: 25 Apr 2023 09:51

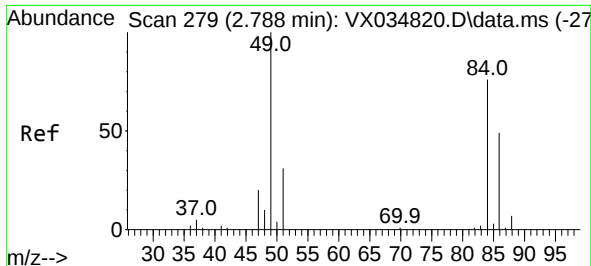
Tgt Ion: 76 Resp: 2006

Ion Ratio Lower Upper

76 100

78 12.6 7.2 10.8#

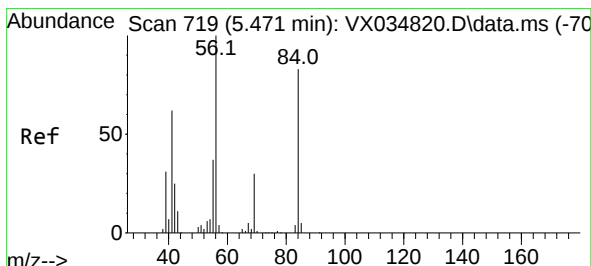
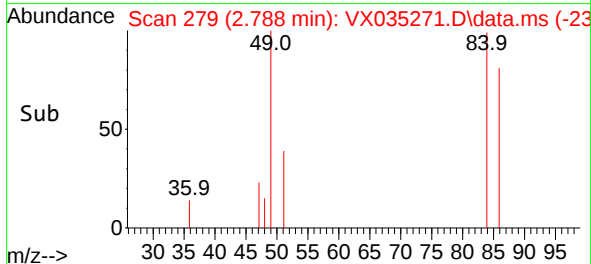
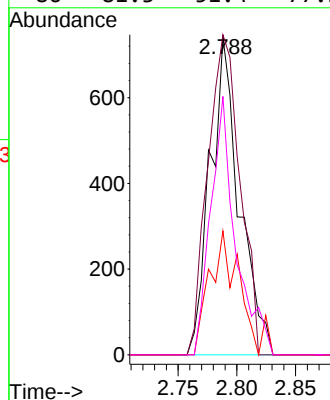
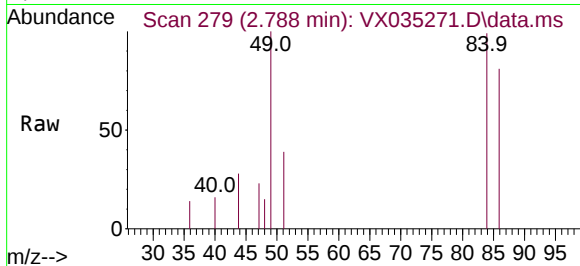




#20  
Methylene Chloride  
Concen: 0.435 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

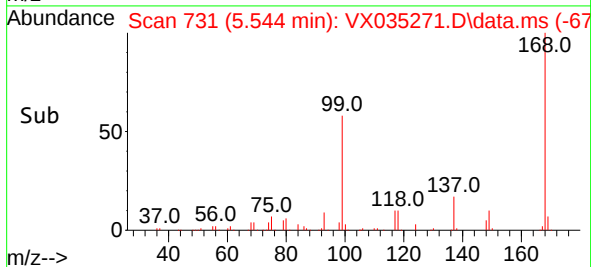
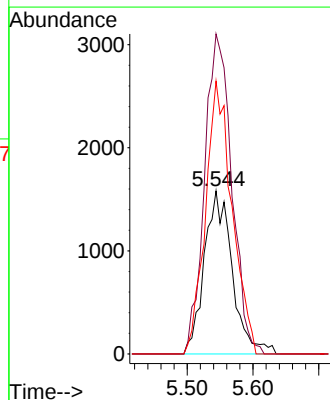
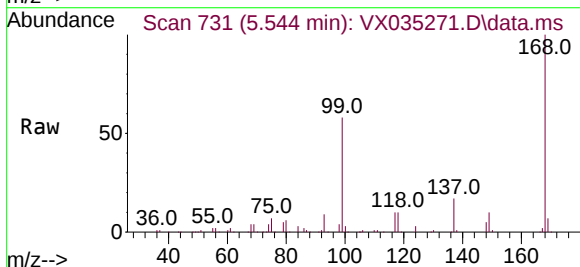
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

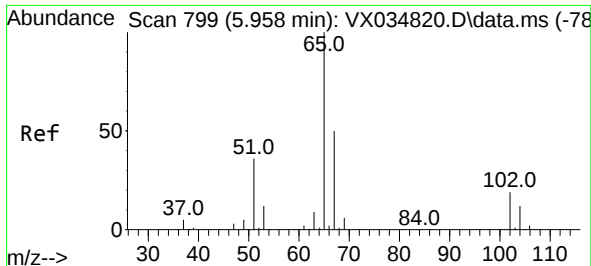
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1282   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 100.7 | 103.8 | 155.8# |
| 51       | 38.9  | 31.8  | 47.8   |
| 86       | 81.3  | 51.4  | 77.2#  |



#31  
Cyclohexane  
Concen: 1.044 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.073 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4670   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 196.3 | 23.7  | 35.5#  |
| 84       | 167.4 | 68.5  | 102.7# |





#33

1,2-Dichloroethane-d4

Concen: 39.852 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035271.D

Acq: 25 Apr 2023 09:51

Instrument :

MSVOA\_X

ClientSampleId :

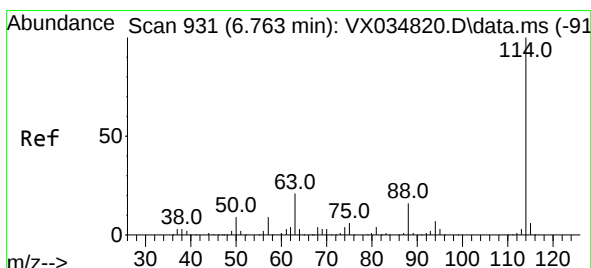
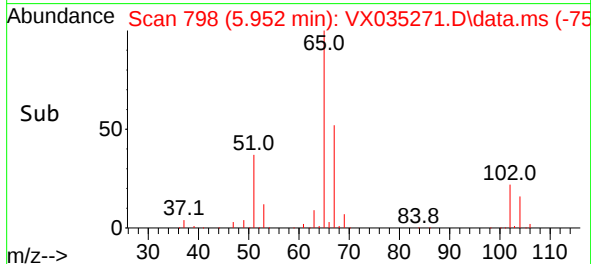
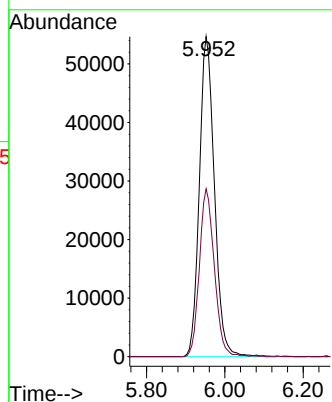
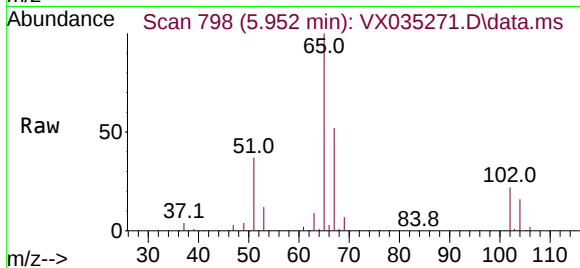
IBLK

Tgt Ion: 65 Resp: 146364

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX035271.D

Acq: 25 Apr 2023 09:51

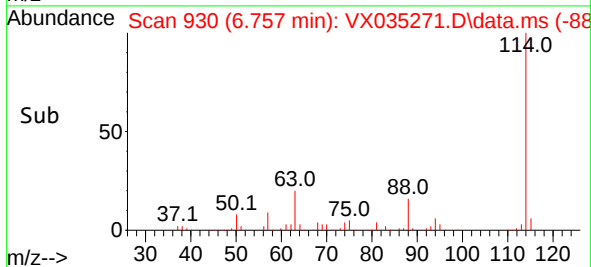
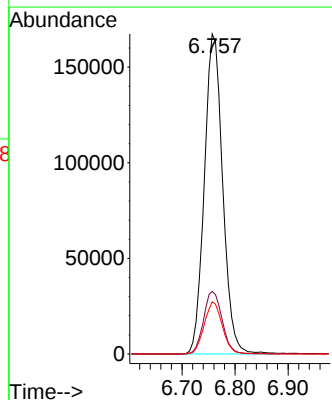
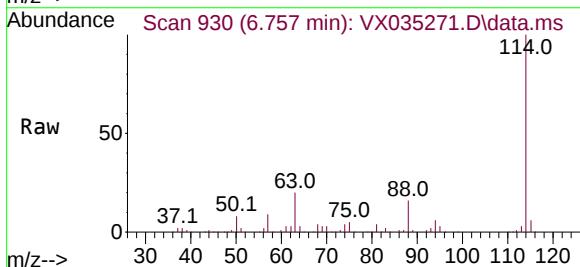
Tgt Ion: 114 Resp: 402558

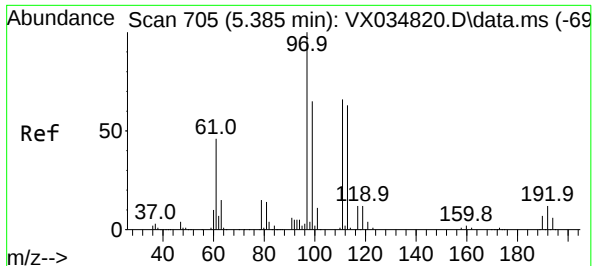
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.2

88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.494 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX035271.D

Acq: 25 Apr 2023 09:51

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

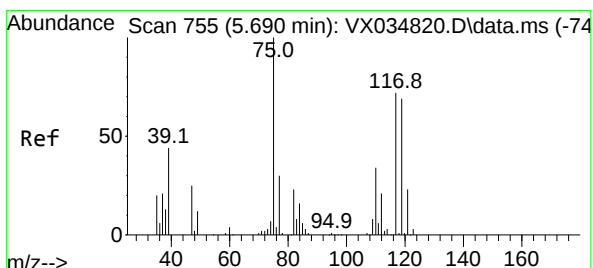
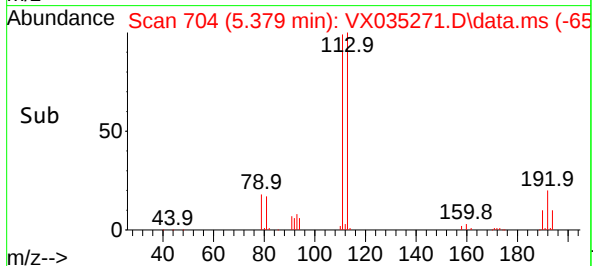
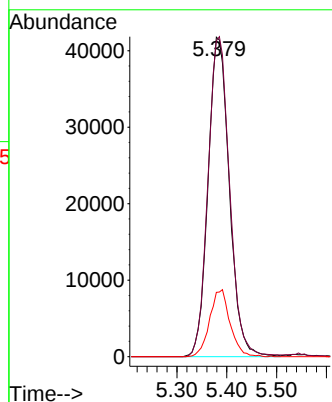
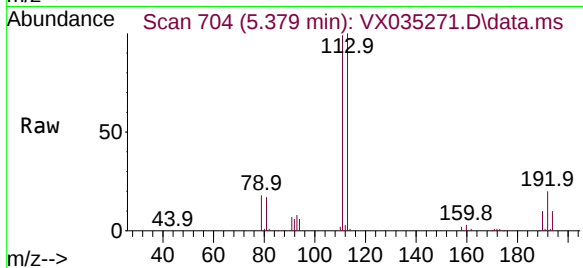
Tgt Ion:113 Resp: 123794

Ion Ratio Lower Upper

113 100

111 101.7 83.7 125.5

192 20.1 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.486 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035271.D

Acq: 25 Apr 2023 09:51

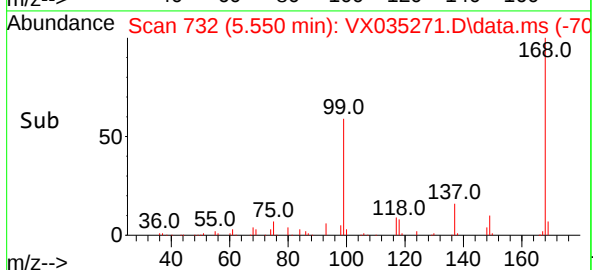
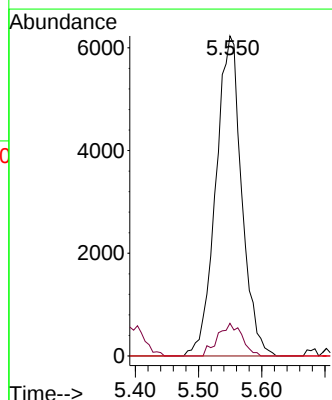
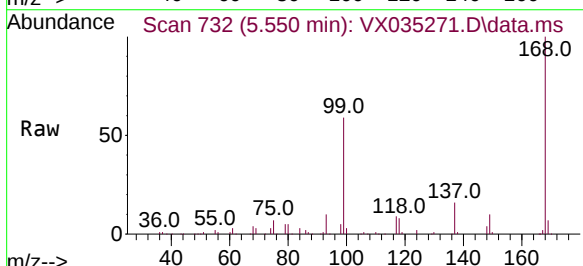
Tgt Ion: 75 Resp: 17696

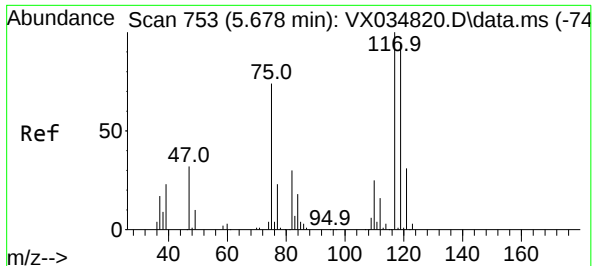
Ion Ratio Lower Upper

75 100

110 9.5 17.5 52.5#

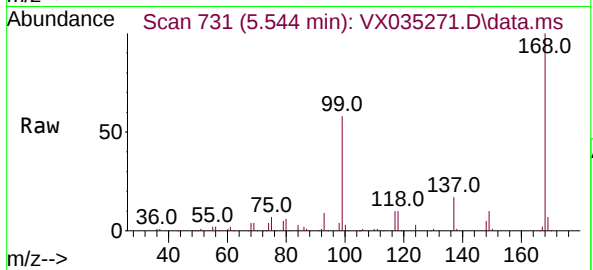
77 0.0 24.3 36.5#



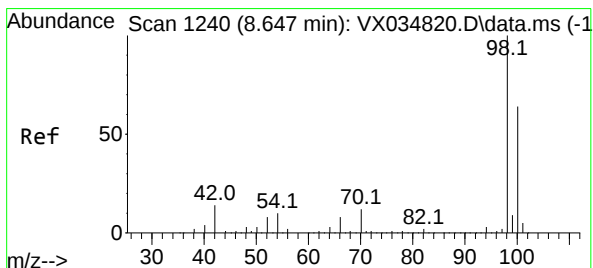
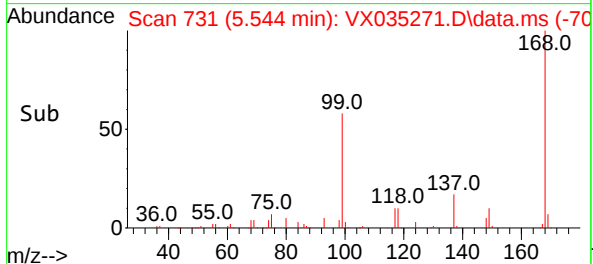
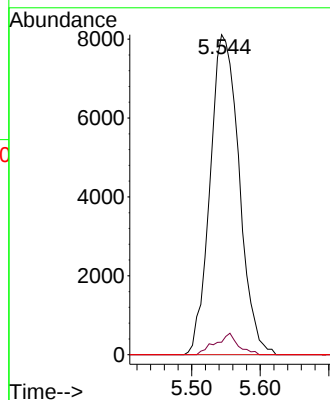


#38  
Carbon Tetrachloride  
Concen: 6.429 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

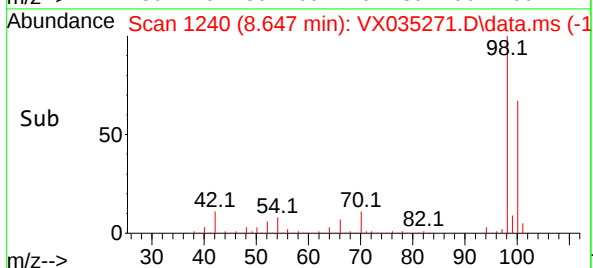
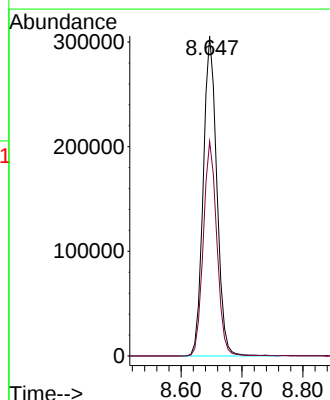
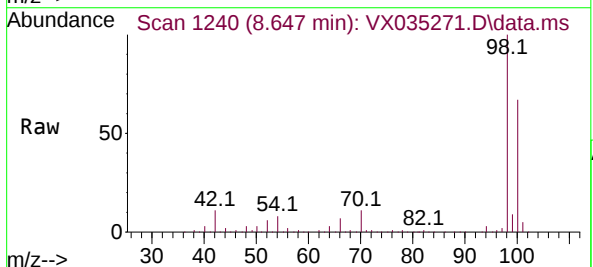


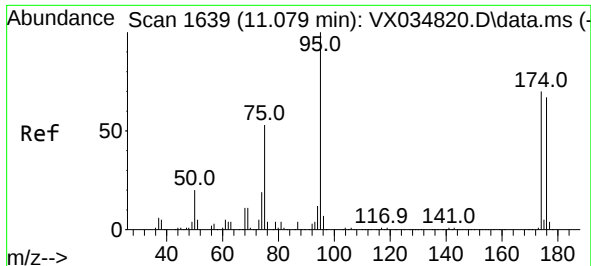
Tgt Ion:117 Resp: 23909  
Ion Ratio Lower Upper  
117 100  
119 3.9 76.6 114.8#  
121 0.0 23.8 35.6#



#50  
Toluene-d8  
Concen: 48.198 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

Tgt Ion: 98 Resp: 473685  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.5 78.7

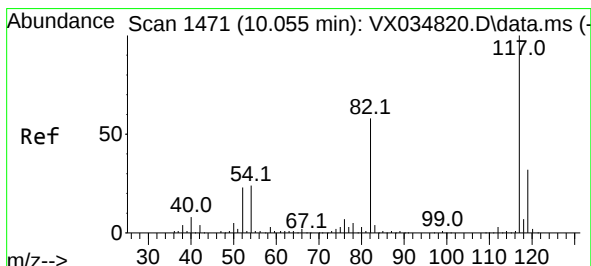
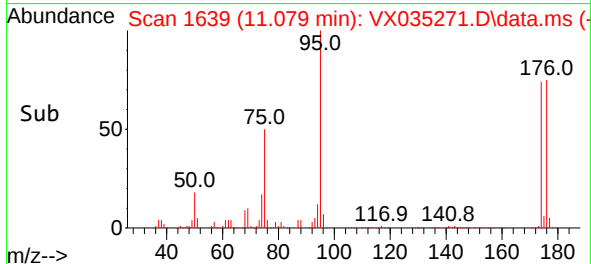
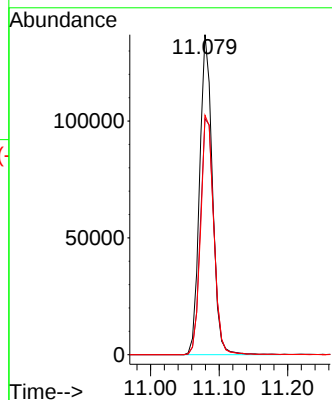
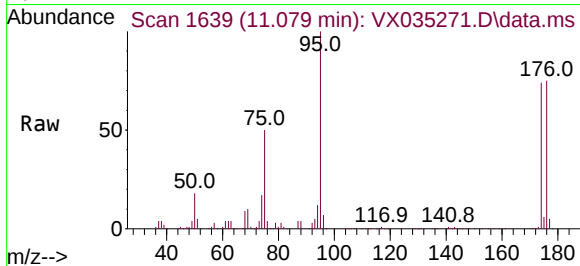




#62  
4-Bromofluorobenzene  
Concen: 46.691 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

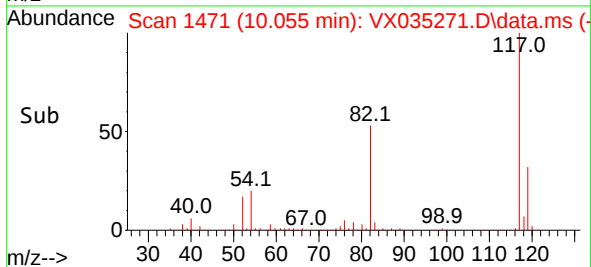
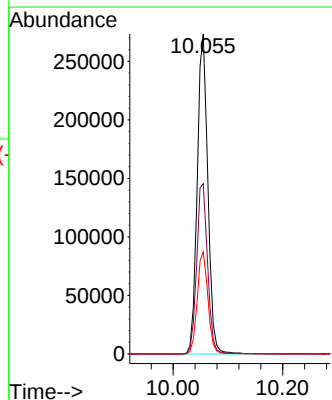
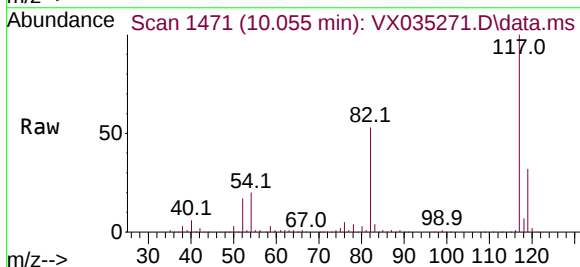
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

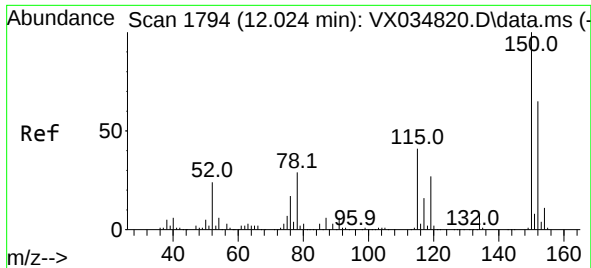
Tgt Ion: 95 Resp: 177570  
Ion Ratio Lower Upper  
95 100  
174 77.7 0.0 147.4  
176 76.9 0.0 140.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

Tgt Ion: 117 Resp: 369536  
Ion Ratio Lower Upper  
117 100  
82 53.3 45.0 67.4  
119 31.9 26.0 39.0

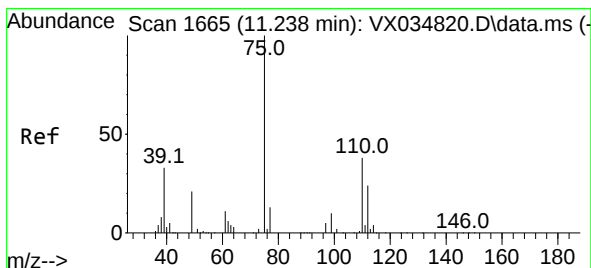
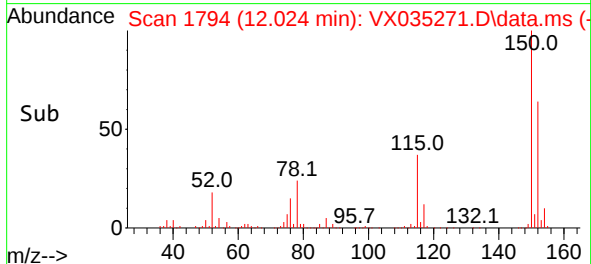
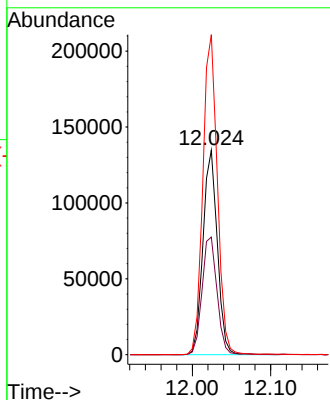
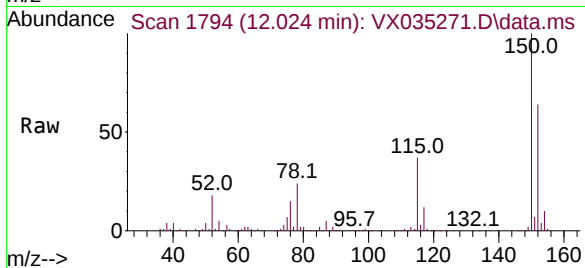




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX035271.D  
 Acq: 25 Apr 2023 09:51

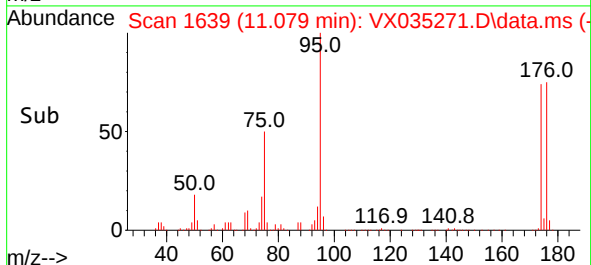
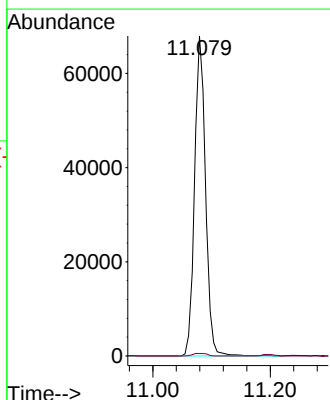
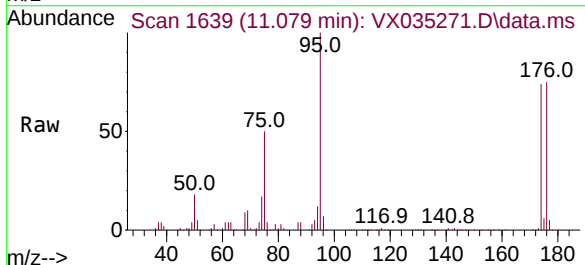
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

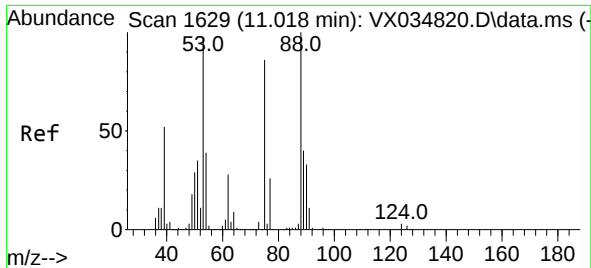
Tgt Ion:152 Resp: 170763  
 Ion Ratio Lower Upper  
 152 100  
 115 60.2 45.0 135.0  
 150 158.2 0.0 352.4



#76  
 1,2,3-Trichloropropane  
 Concen: 25.531 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX035271.D  
 Acq: 25 Apr 2023 09:51

Tgt Ion: 75 Resp: 87847  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 21.6 64.8#

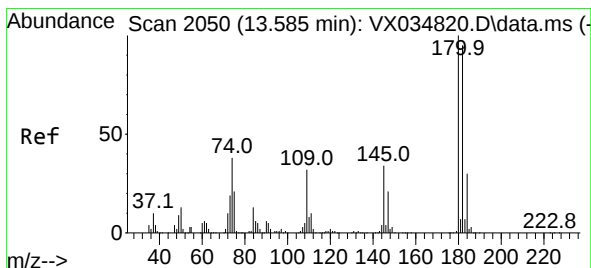
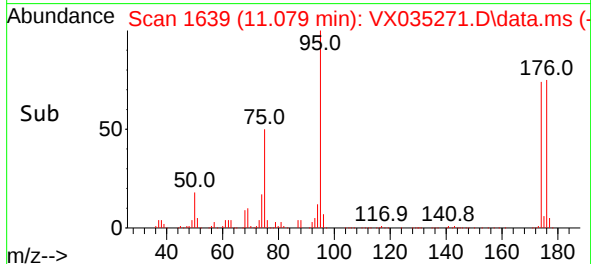
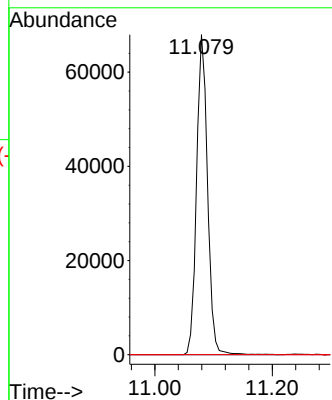
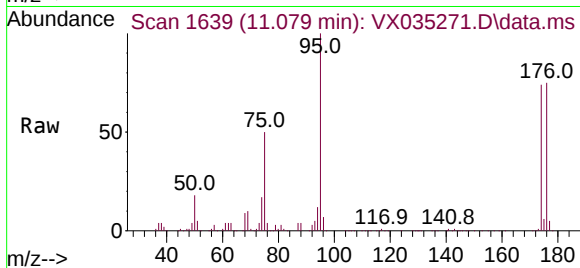




#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.516 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

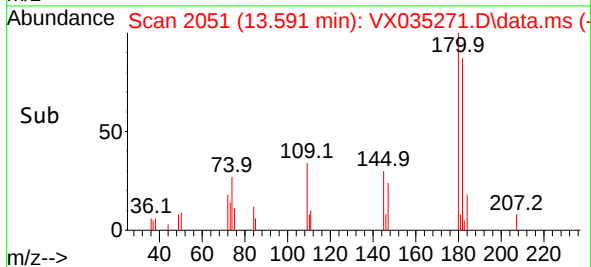
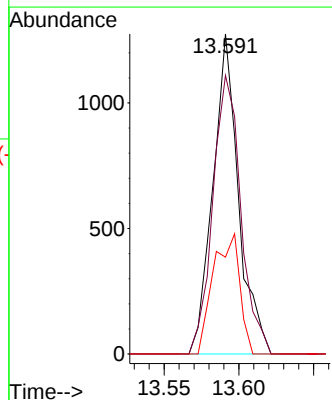
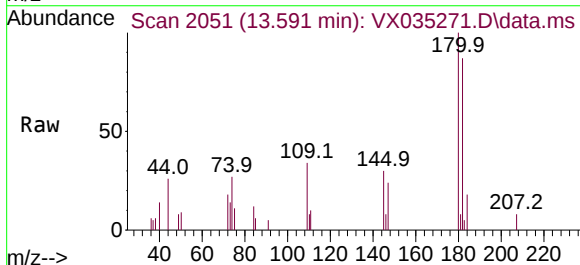
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

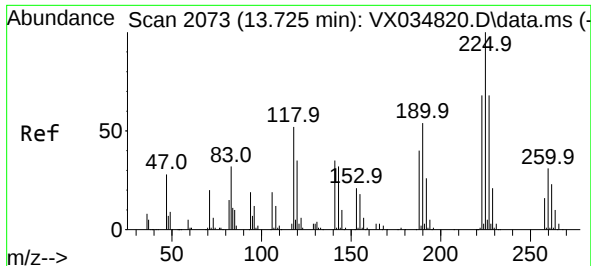
Tgt Ion: 75 Resp: 87847  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.6 124.0#  
89 0.0 36.9 55.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.474 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

Tgt Ion:180 Resp: 1515  
Ion Ratio Lower Upper  
180 100  
182 95.5 47.0 141.0  
145 38.7 15.9 47.7

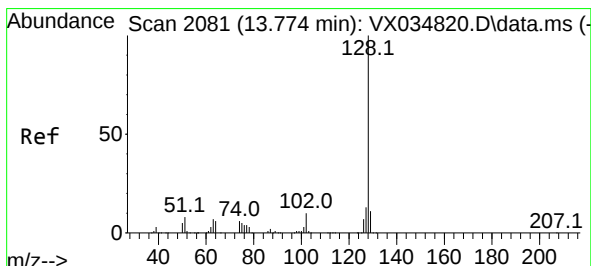
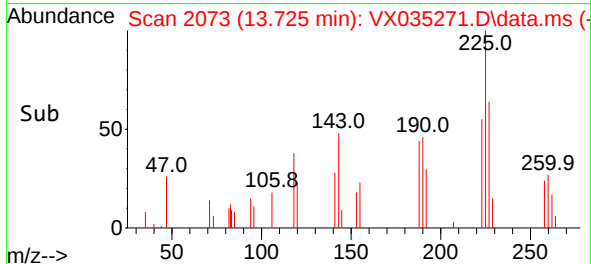
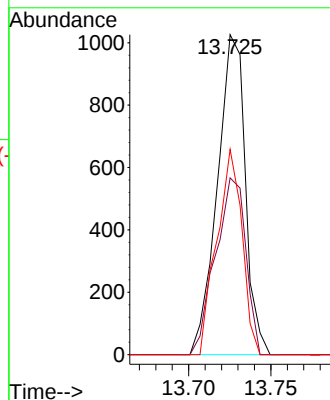
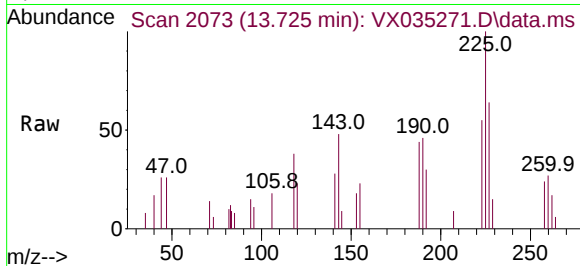




#94  
Hexachlorobutadiene  
Concen: 0.863 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

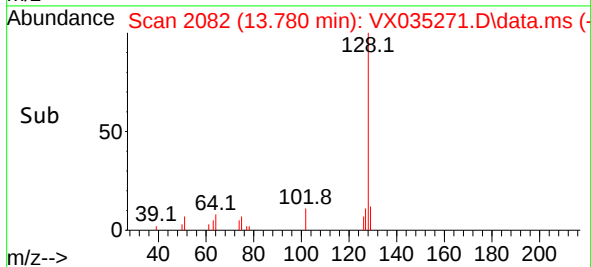
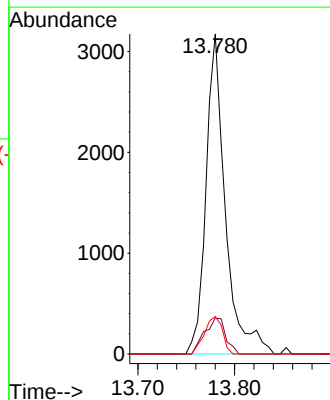
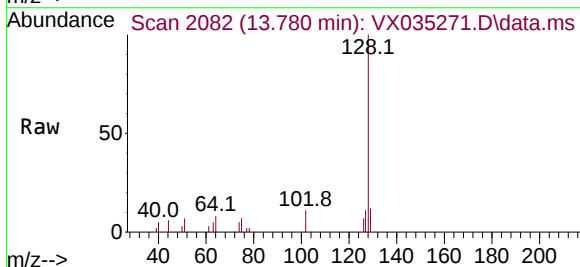
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

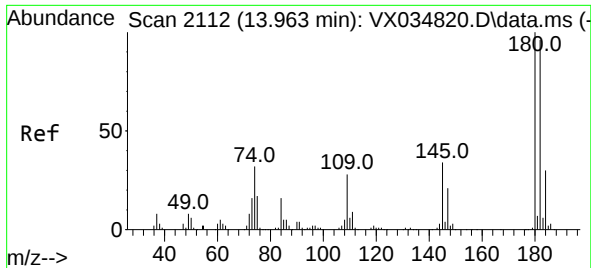
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 1213  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 59.9  | 32.1  | 96.5  |
| 227      | 57.7  | 31.8  | 95.4  |



#95  
Naphthalene  
Concen: 0.389 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX035271.D  
Acq: 25 Apr 2023 09:51

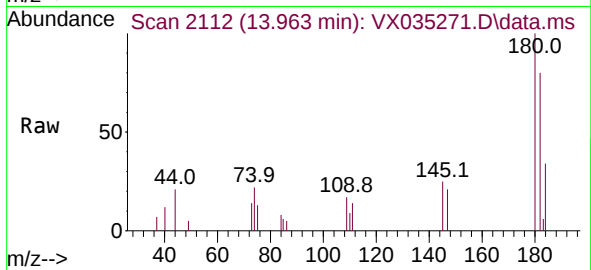
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 4418  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.2  | 10.2  | 15.4  |
| 129      | 10.9  | 8.6   | 13.0  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.572 ug/l  
 RT: 13.963 min Scan# 2112  
 Delta R.T. -0.000 min  
 Lab File: VX035271.D  
 Acq: 25 Apr 2023 09:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK



Tgt Ion:180 Resp: 1843  
 Ion Ratio Lower Upper  
 180 100  
 182 95.0 48.0 144.2  
 145 32.6 17.7 53.1

