

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042523\  
 Data File : VX035294.D  
 Acq On : 25 Apr 2023 19:18  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Apr 26 01:45:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 Response via : Initial Calibration

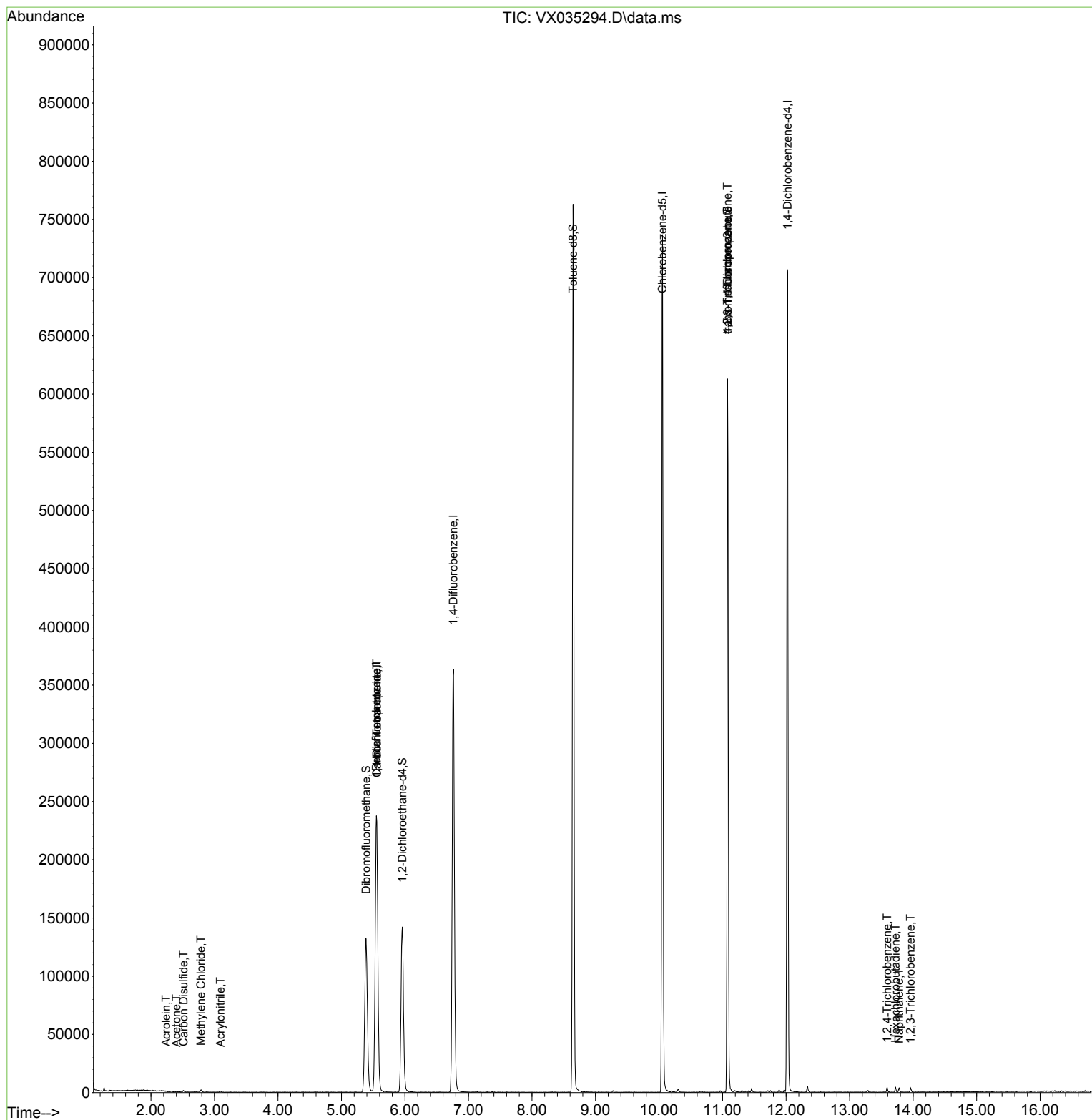
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 236772   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 387838   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 349150   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 162331   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 140102   | 49.046   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 98.100%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 119083   | 50.026   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 100.060% |
| 50) Toluene-d8                | 8.647  | 98    | 454094   | 50.568   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 101.140% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 168116   | 49.767   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 99.540%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acrolein                  | 2.239  | 56    | 116      | 0.227    | ug/l   | 84       |
| 15) Acrylonitrile             | 3.093  | 53    | 289      | 0.222    | ug/l # | 61       |
| 16) Acetone                   | 2.398  | 43    | 596      | 0.480    | ug/l # | 76       |
| 17) Carbon Disulfide          | 2.514  | 76    | 1633     | 0.296    | ug/l # | 93       |
| 20) Methylene Chloride        | 2.788  | 84    | 1000     | 0.352    | ug/l # | 69       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 17496    | 4.707    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 23429    | 6.640    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 83737    | 25.860   | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 83737    | 83.754   | ug/l # | 8        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 1159     | 0.329    | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 13.725 | 225   | 716      | 0.463    | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128   | 2753     | 0.254    | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 1129     | 0.318    | ug/l   | 95       |
| -----                         |        |       |          |          |        |          |

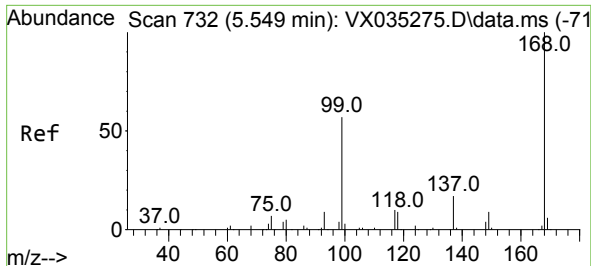
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
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Quant Time: Apr 26 01:45:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 16:31:40 2023  
Response via : Initial Calibration

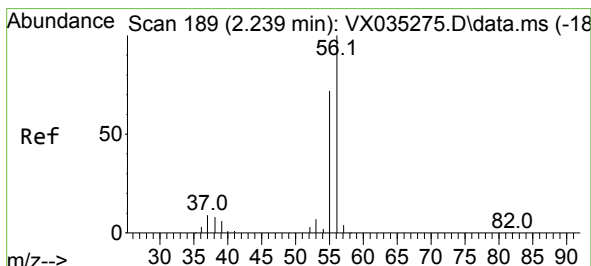
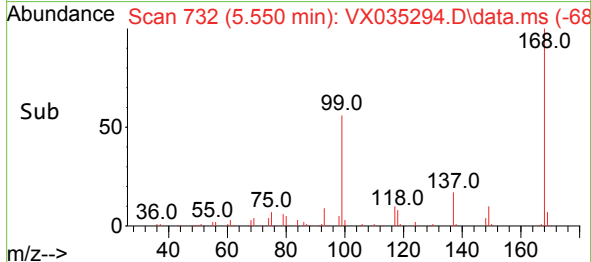
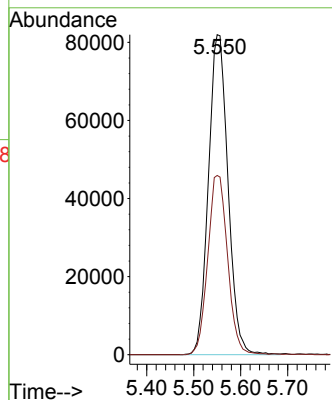
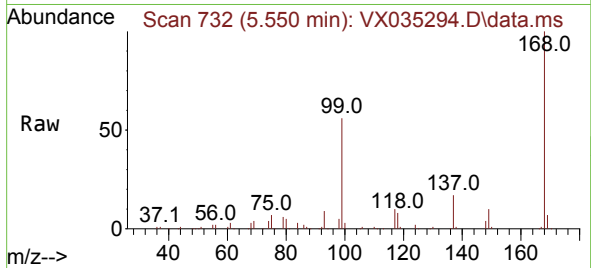




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

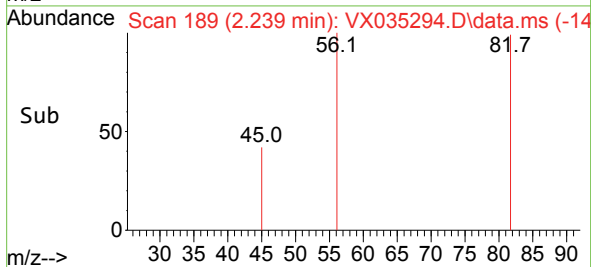
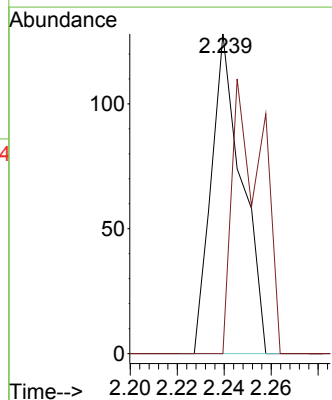
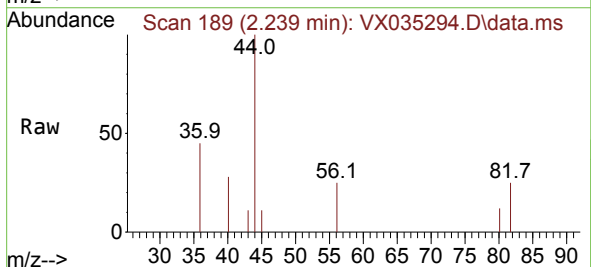
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

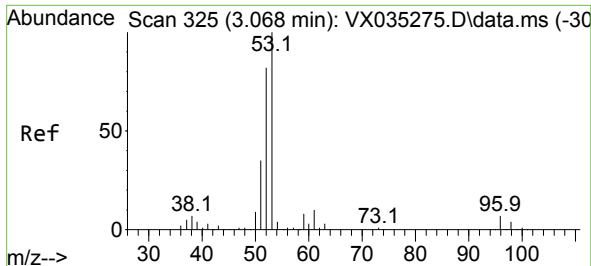
Tgt Ion:168 Resp: 236772  
Ion Ratio Lower Upper  
168 100  
99 56.0 45.7 68.5



#13  
Acrolein  
Concen: 0.227 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. 0.000 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

Tgt Ion: 56 Resp: 116  
Ion Ratio Lower Upper  
56 100  
55 83.6 56.6 85.0





#15

Acrylonitrile

Concen: 0.222 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.025 min

Lab File: VX035294.D

Acq: 25 Apr 2023 19:18

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

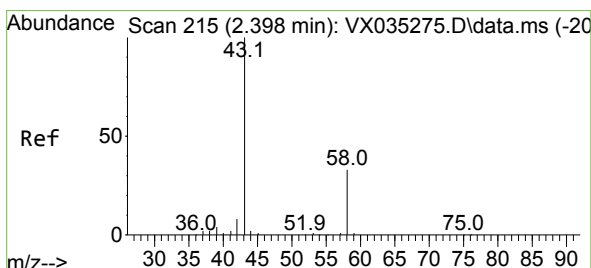
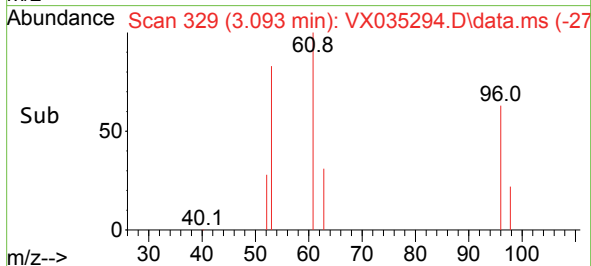
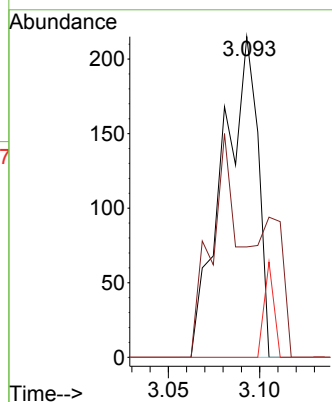
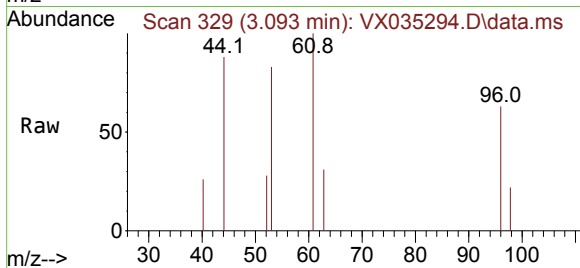
Tgt Ion: 53 Resp: 289

Ion Ratio Lower Upper

53 100

52 55.4 66.2 99.2#

51 0.0 28.3 42.5#



#16

Acetone

Concen: 0.480 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.000 min

Lab File: VX035294.D

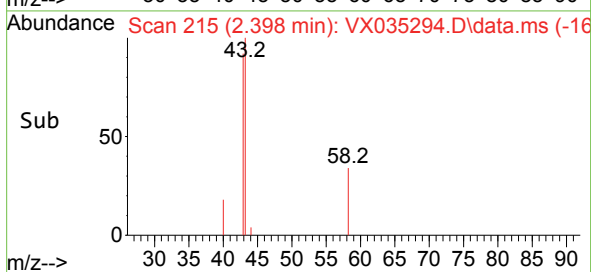
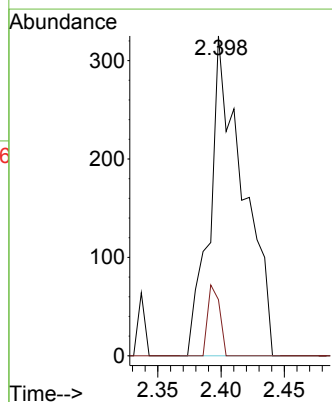
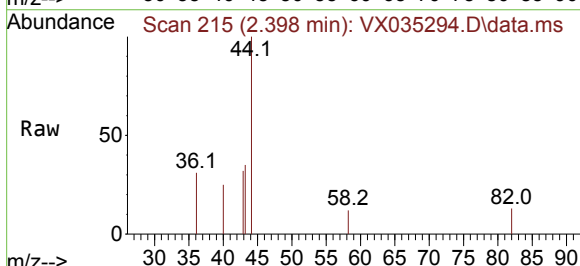
Acq: 25 Apr 2023 19:18

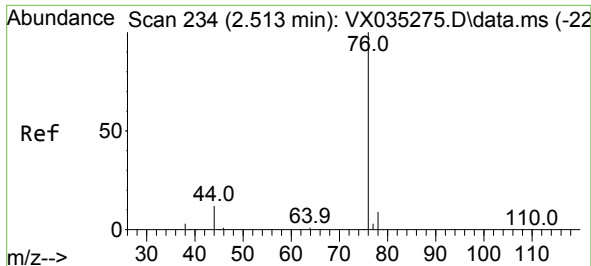
Tgt Ion: 43 Resp: 596

Ion Ratio Lower Upper

43 100

58 17.5 24.7 37.1#

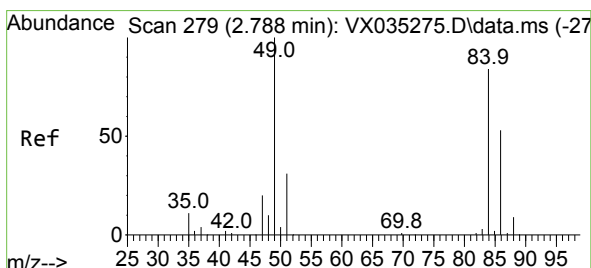
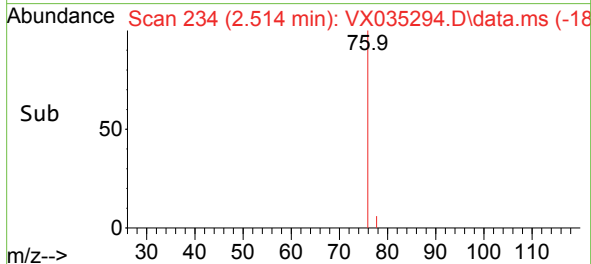
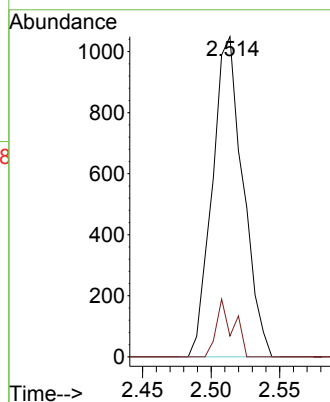
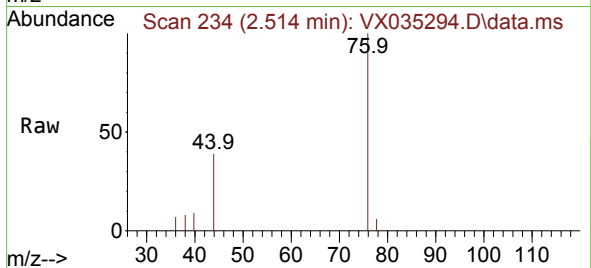




#17  
Carbon Disulfide  
Concen: 0.296 ug/l  
RT: 2.514 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

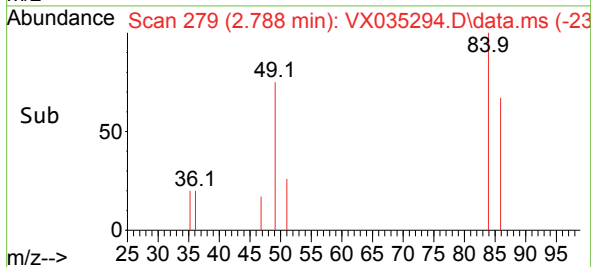
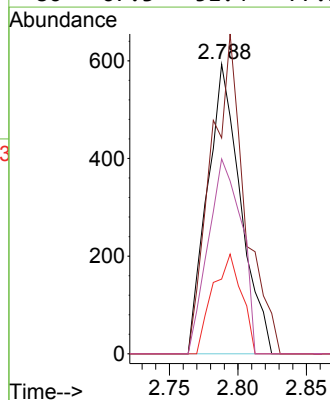
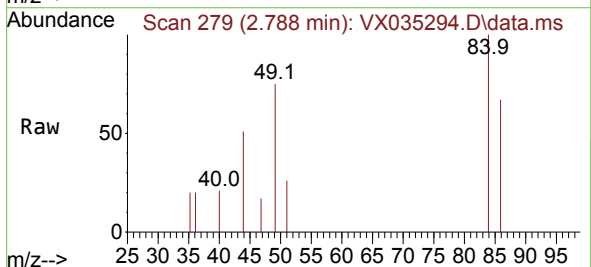
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

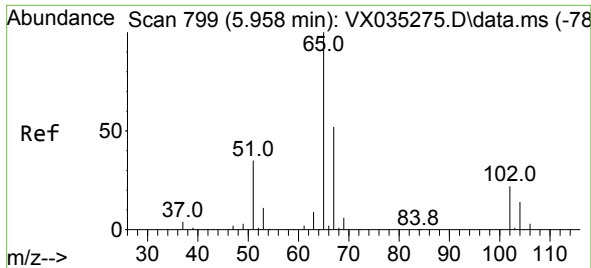
Tgt Ion: 76 Resp: 1633  
Ion Ratio Lower Upper  
76 100  
78 6.5 7.2 10.8#



#20  
Methylene Chloride  
Concen: 0.352 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

Tgt Ion: 84 Resp: 1000  
Ion Ratio Lower Upper  
84 100  
49 74.5 103.8 155.8#  
51 25.8 31.8 47.8#  
86 67.3 51.4 77.2

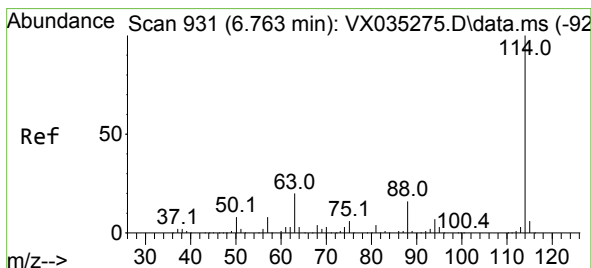
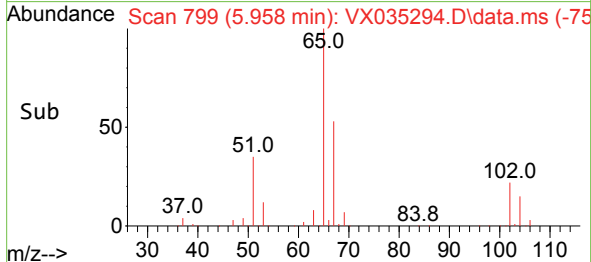
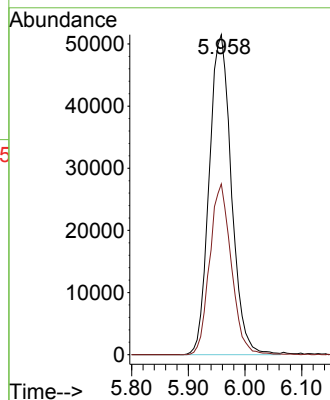
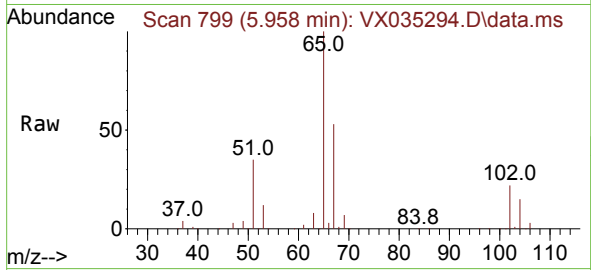




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.046 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX035294.D  
 Acq: 25 Apr 2023 19:18

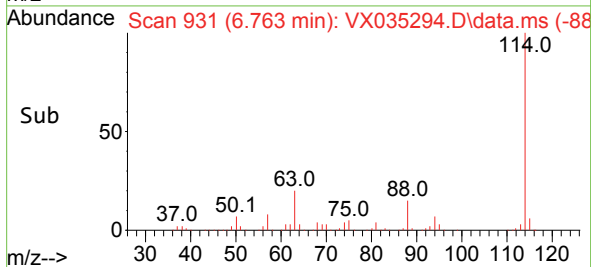
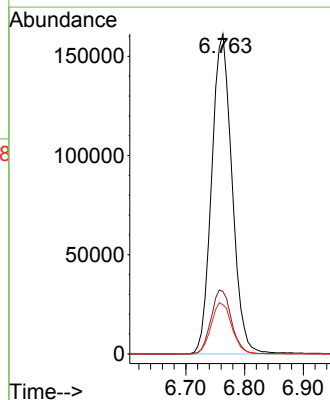
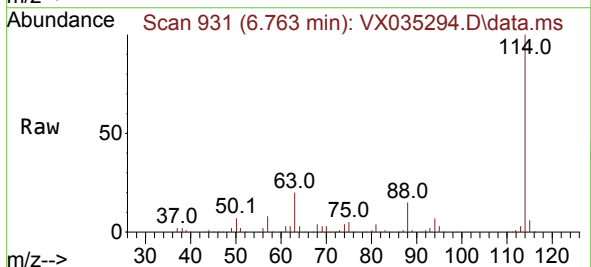
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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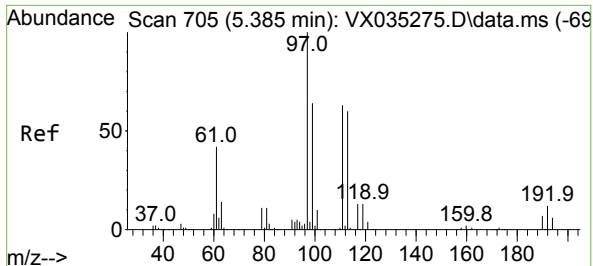
Tgt Ion: 65 Resp: 140102  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX035294.D  
 Acq: 25 Apr 2023 19:18

Tgt Ion: 114 Resp: 387838  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 42.2  
 88 15.4 0.0 33.2

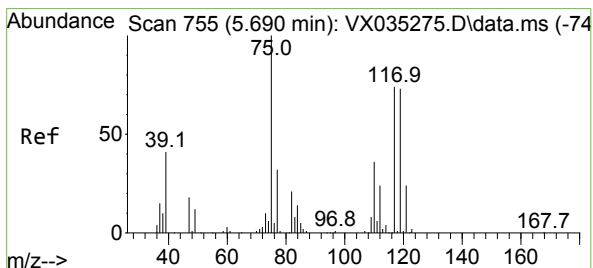
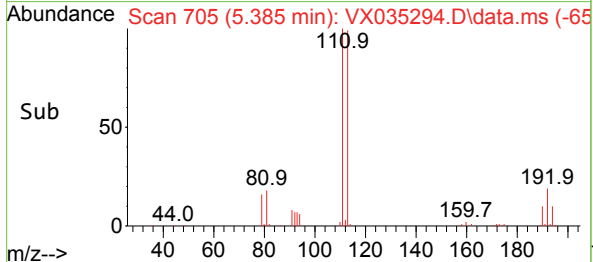
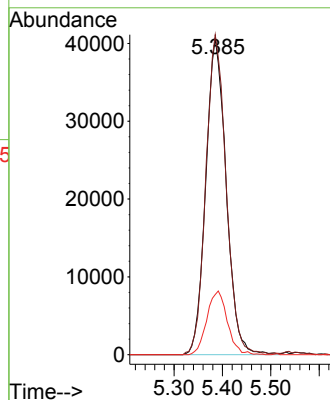
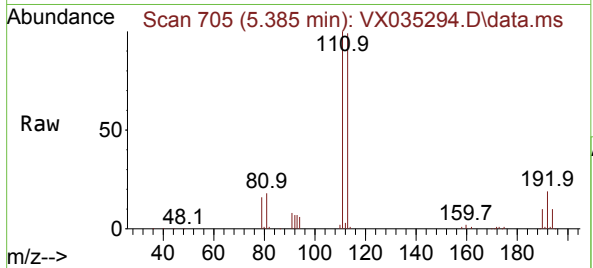




#35  
Dibromofluoromethane  
Concen: 50.026 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

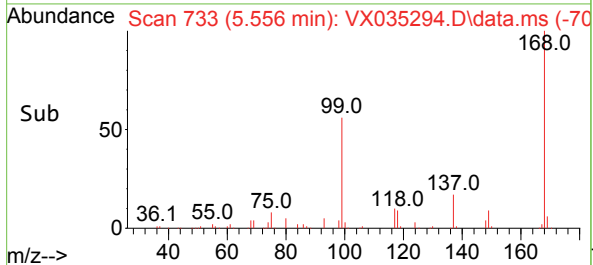
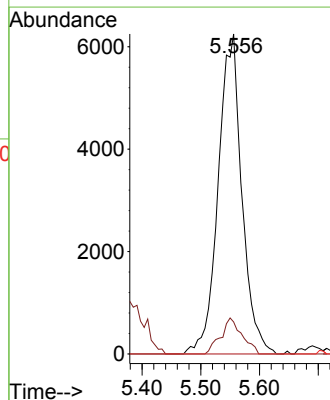
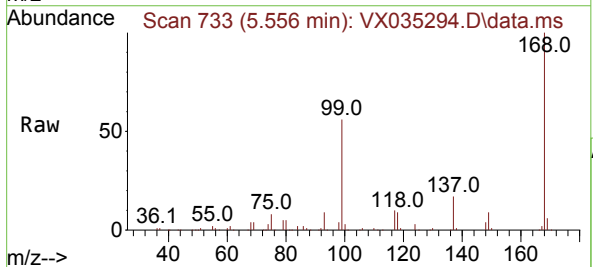
Instrument :  
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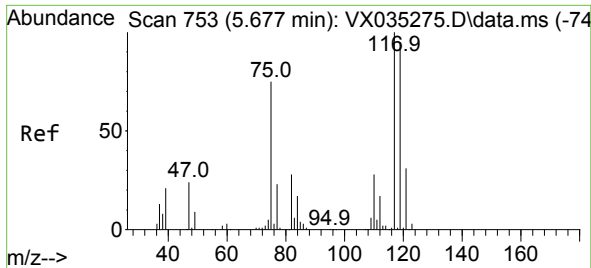
Tgt Ion:113 Resp: 119083  
Ion Ratio Lower Upper  
113 100  
111 100.6 83.7 125.5  
192 20.2 15.4 23.2



#36  
1,1-Dichloropropene  
Concen: 4.707 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

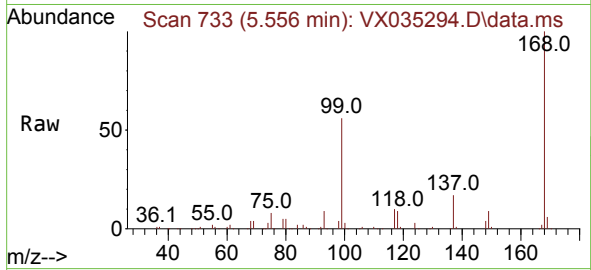
Tgt Ion: 75 Resp: 17496  
Ion Ratio Lower Upper  
75 100  
110 10.1 17.5 52.5#  
77 0.0 24.3 36.5#



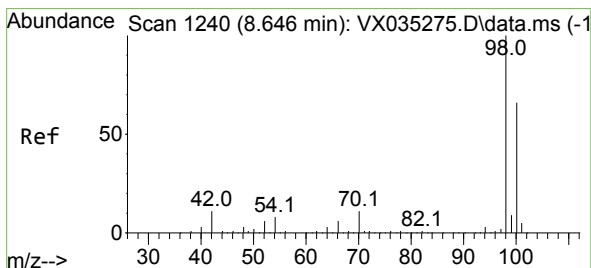
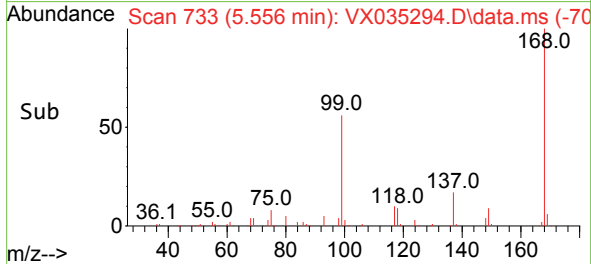
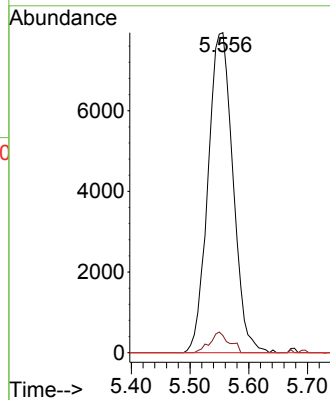


#38  
Carbon Tetrachloride  
Concen: 6.640 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

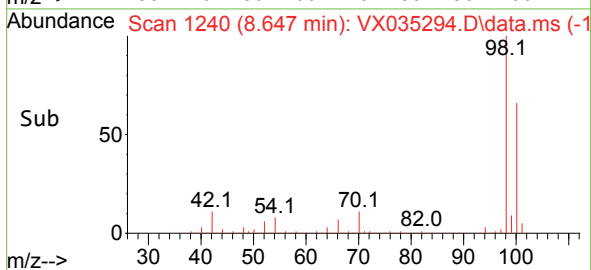
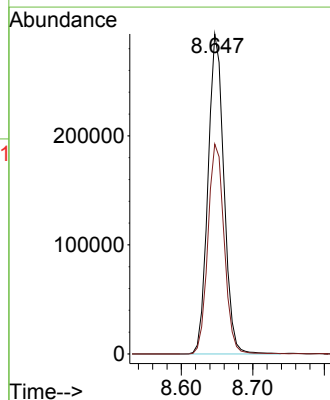
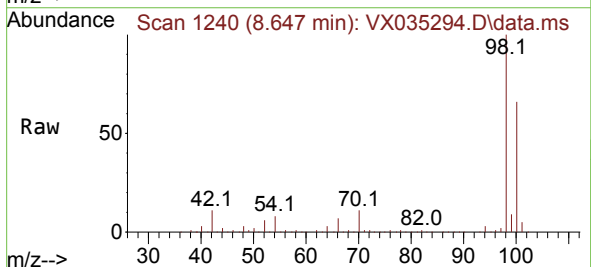


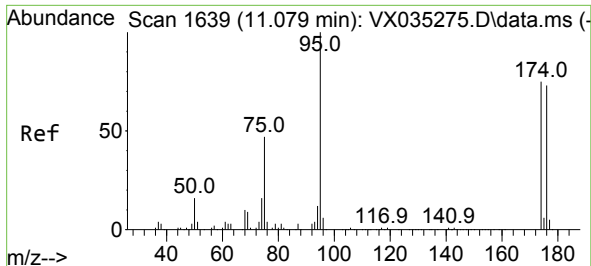
Tgt Ion:117 Resp: 23429  
Ion Ratio Lower Upper  
117 100  
119 5.3 76.6 114.8#  
121 0.0 23.8 35.6#



#50  
Toluene-d8  
Concen: 50.568 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

Tgt Ion: 98 Resp: 454094  
Ion Ratio Lower Upper  
98 100  
100 67.0 52.5 78.7

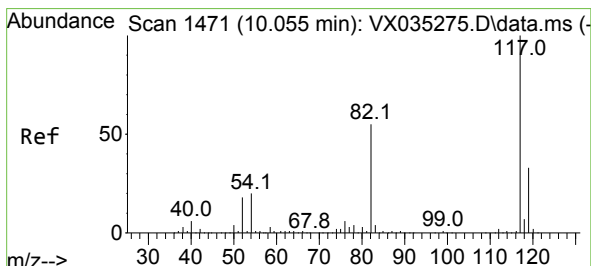
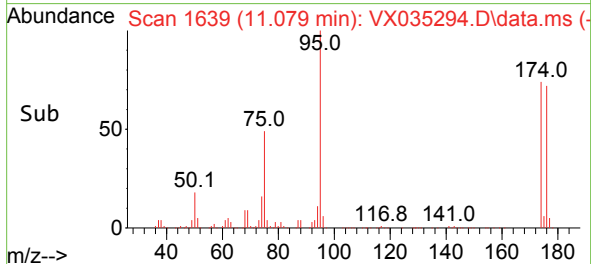
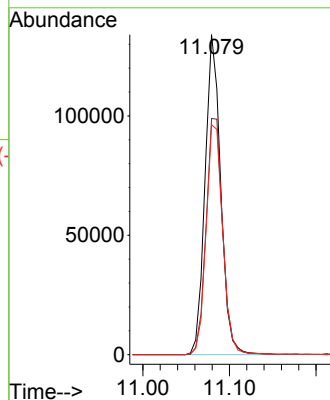
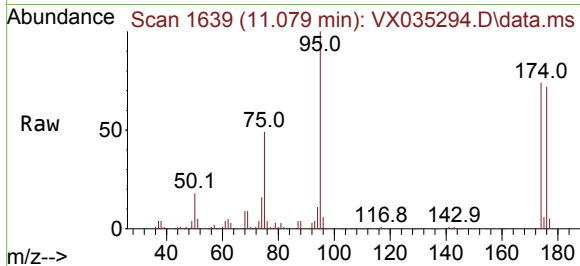




#62  
4-Bromofluorobenzene  
Concen: 49.767 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

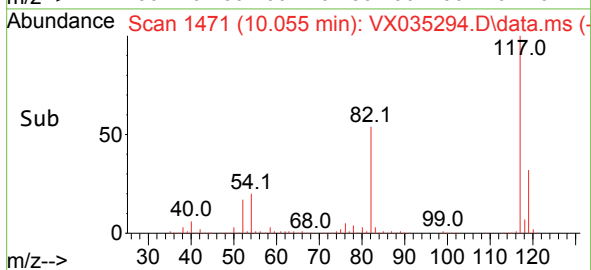
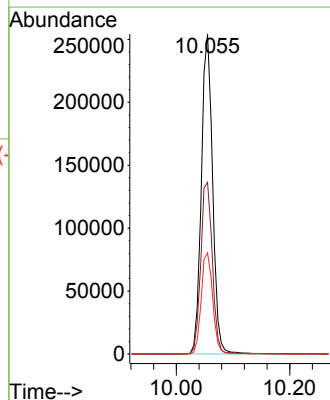
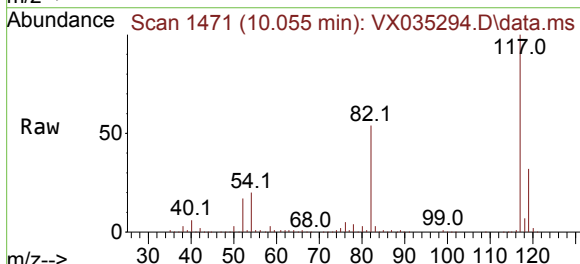
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

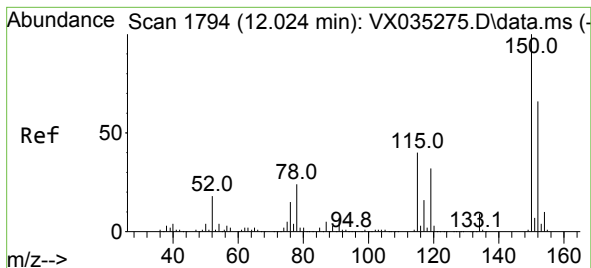
Tgt Ion: 95 Resp: 168116  
Ion Ratio Lower Upper  
95 100  
174 79.2 0.0 147.4  
176 76.1 0.0 140.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

Tgt Ion: 117 Resp: 349150  
Ion Ratio Lower Upper  
117 100  
82 53.6 45.0 67.4  
119 31.6 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035294.D

Acq: 25 Apr 2023 19:18

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

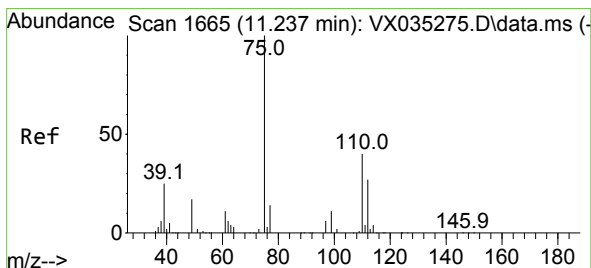
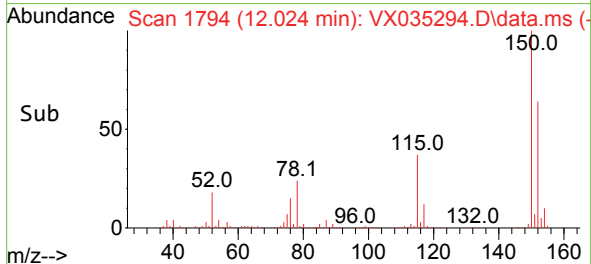
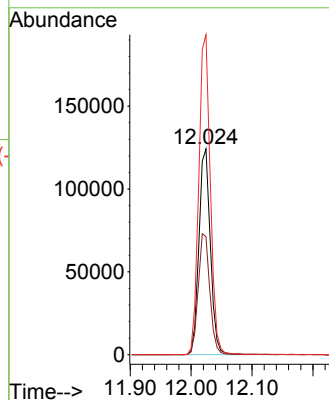
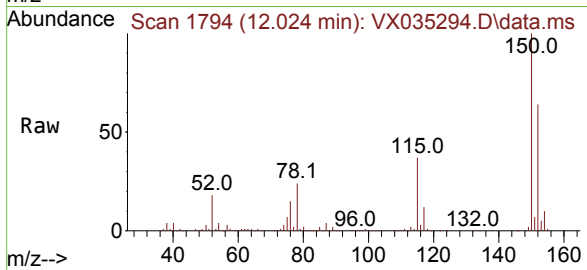
Tgt Ion:152 Resp: 162331

Ion Ratio Lower Upper

152 100

115 59.3 45.0 135.0

150 156.3 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 25.860 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035294.D

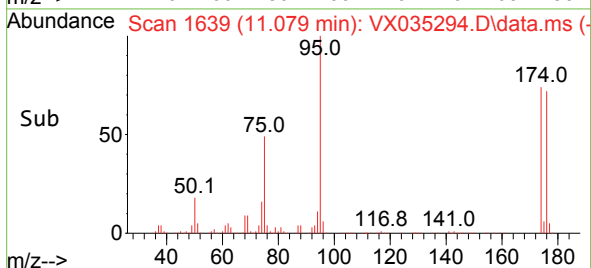
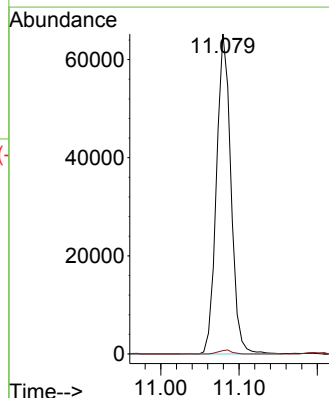
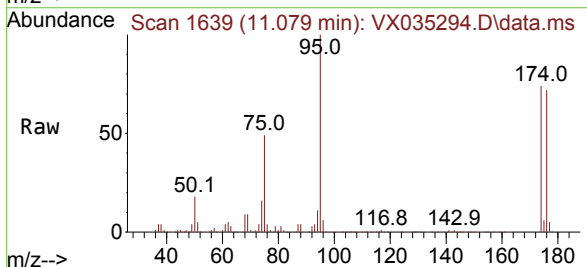
Acq: 25 Apr 2023 19:18

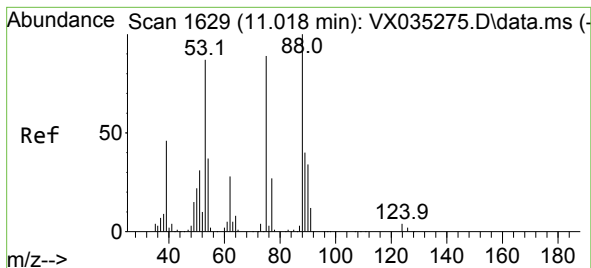
Tgt Ion: 75 Resp: 83737

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#

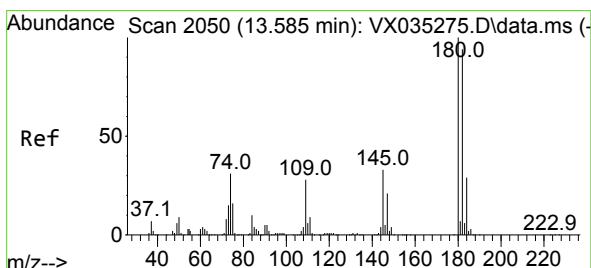
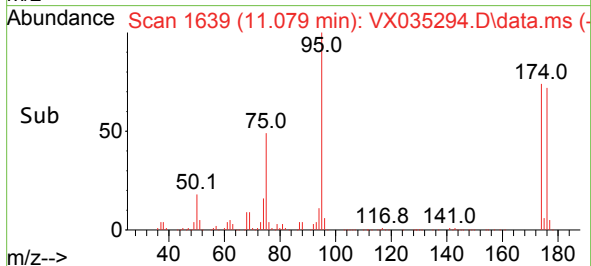
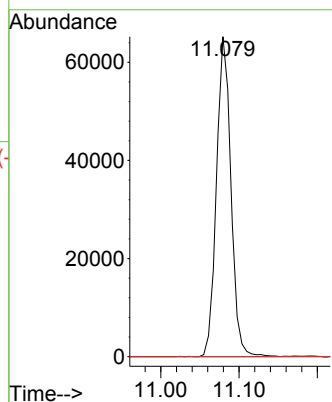
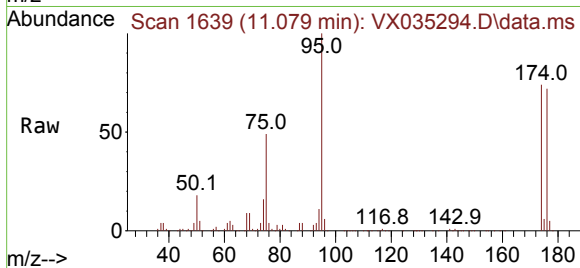




#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.754 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

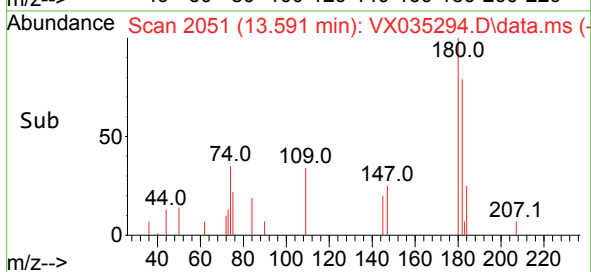
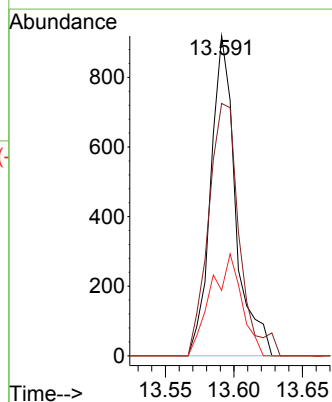
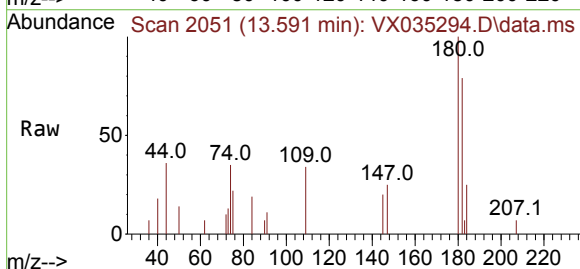
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

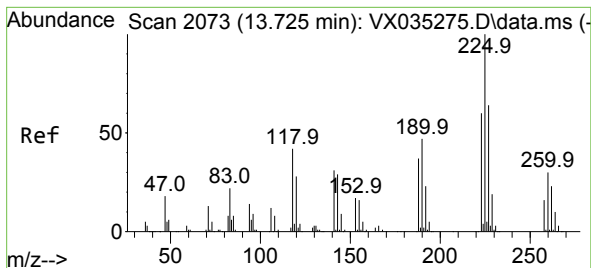
Tgt Ion: 75 Resp: 83737  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.6 124.0#  
89 0.0 36.9 55.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.329 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

Tgt Ion:180 Resp: 1159  
Ion Ratio Lower Upper  
180 100  
182 97.3 47.0 141.0  
145 39.3 15.9 47.7





#94

Hexachlorobutadiene

Concen: 0.463 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX035294.D

Acq: 25 Apr 2023 19:18

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

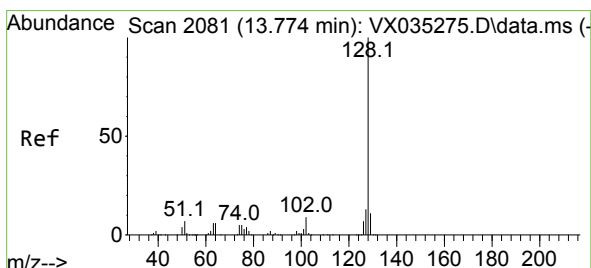
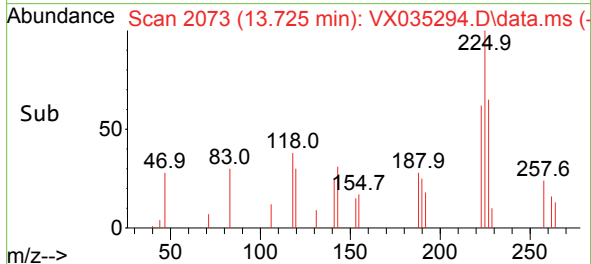
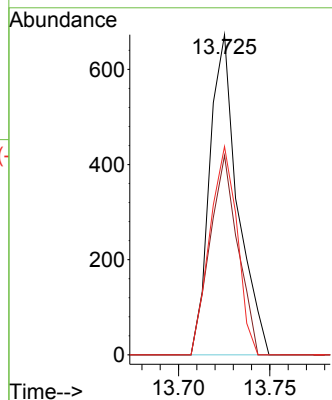
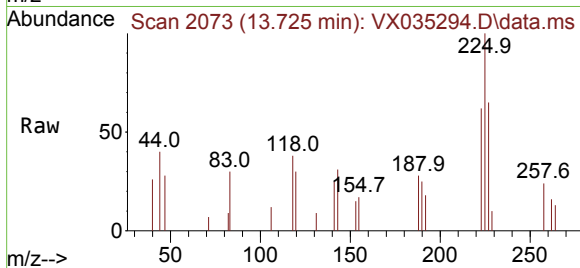
Tgt Ion:225 Resp: 716

Ion Ratio Lower Upper

225 100

223 62.4 32.1 96.5

227 63.7 31.8 95.4



#95

Naphthalene

Concen: 0.254 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX035294.D

Acq: 25 Apr 2023 19:18

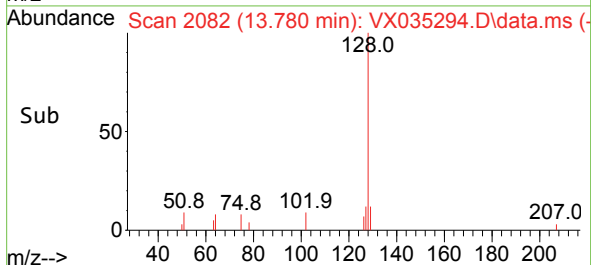
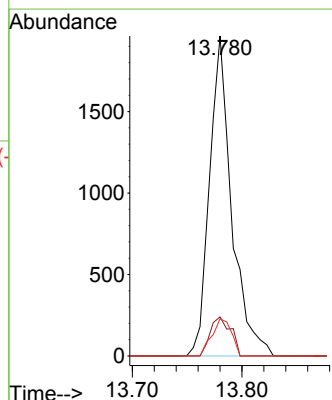
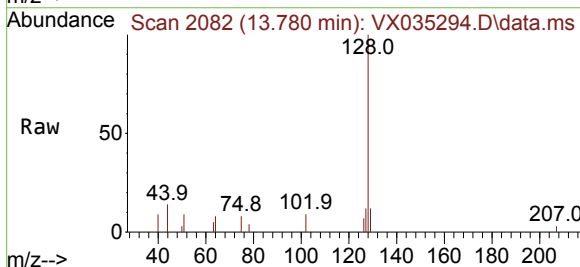
Tgt Ion:128 Resp: 2753

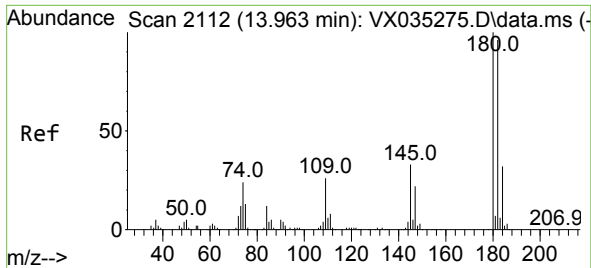
Ion Ratio Lower Upper

128 100

127 11.4 10.2 15.4

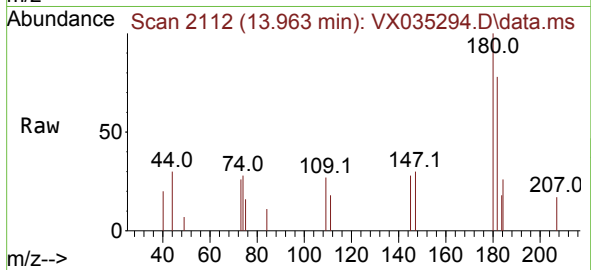
129 10.3 8.6 13.0





#96  
1,2,3-Trichlorobenzene  
Concen: 0.318 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX035294.D  
Acq: 25 Apr 2023 19:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1129  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 89.4  | 48.0  | 144.2 |
| 145      | 35.3  | 17.7  | 53.1  |

