

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040523\  
 Data File : VN077262.D  
 Acq On : 05 Apr 2023 14:05  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Apr 05 15:47:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 05 15:36:02 2023  
 Response via : Initial Calibration

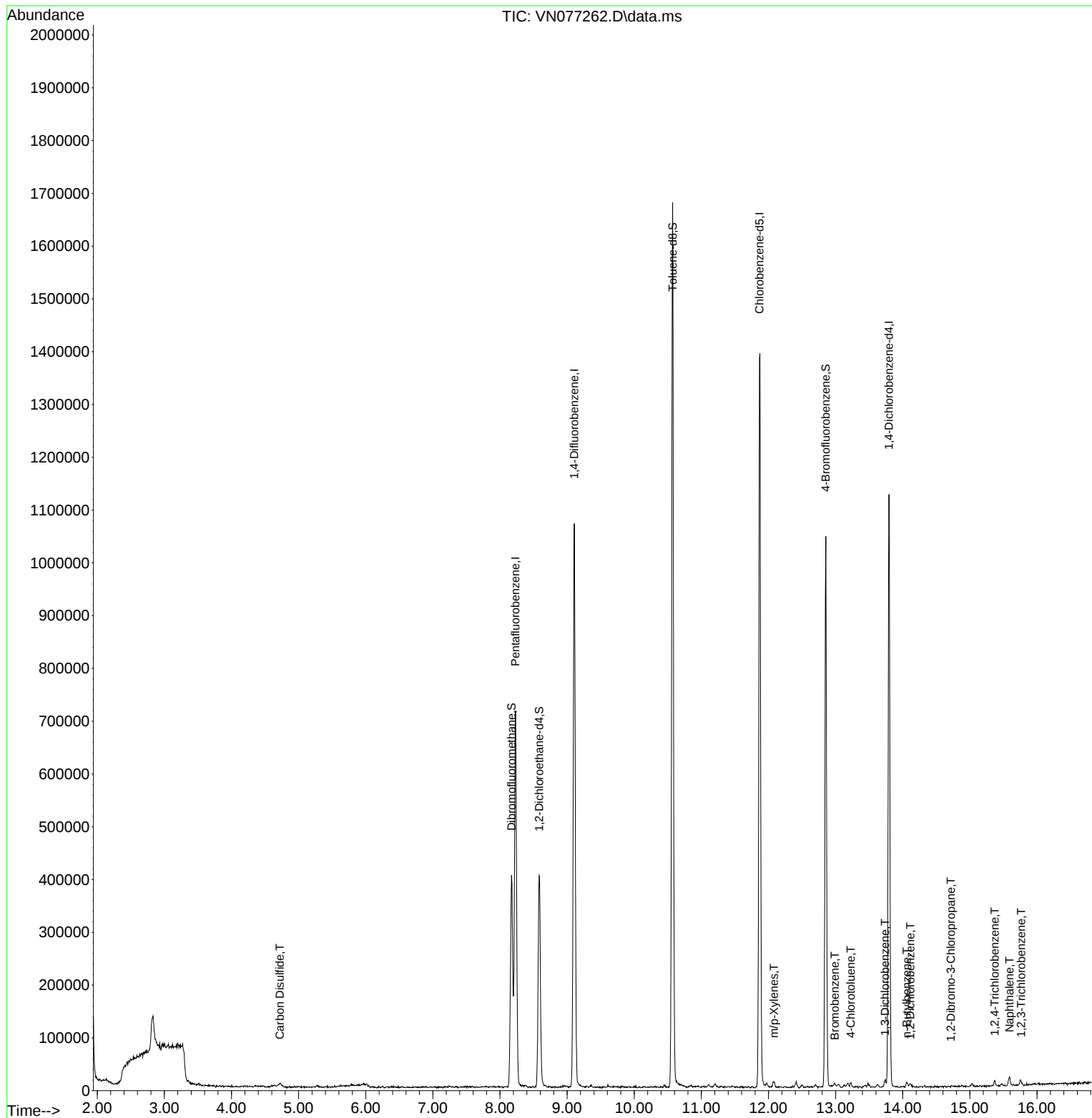
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 514689   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.107  | 114   | 969096   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.866 | 117   | 849206   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.795 | 152   | 305076   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 315261   | 45.892    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 91.780%  |
| 35) Dibromofluoromethane      | 8.172  | 113   | 291676   | 47.094    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 94.180%  |
| 50) Toluene-d8                | 10.571 | 98    | 1205151  | 49.547    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 99.100%  |
| 62) 4-Bromofluorobenzene      | 12.854 | 95    | 362299   | 45.142    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 90.280%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 17) Carbon Disulfide          | 4.719  | 76    | 6718     | 0.414     | ug/l # | 75       |
| 68) m/p-Xylenes               | 12.083 | 106   | 3552     | 0.268     | ug/l   | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.936 | 83    | 380      | Below Cal | #      | 1        |
| 77) Bromobenzene              | 12.989 | 156   | 1216     | 0.203     | ug/l   | 72       |
| 82) 4-Chlorotoluene           | 13.224 | 91    | 5187     | 0.285     | ug/l   | 93       |
| 87) 1,3-Dichlorobenzene       | 13.736 | 146   | 3608     | 0.327     | ug/l   | 91       |
| 89) n-Butylbenzene            | 14.059 | 91    | 6332     | 0.338     | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146   | 2789     | 0.255     | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75    | 745      | 0.424     | ug/l   | 66       |
| 93) 1,2,4-Trichlorobenzene    | 15.371 | 180   | 2816     | 2.678     | ug/l   | 95       |
| 95) Naphthalene               | 15.589 | 128   | 14615    | 2.783     | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.765 | 180   | 2850     | 2.591     | ug/l   | 99       |
| -----                         |        |       |          |           |        |          |

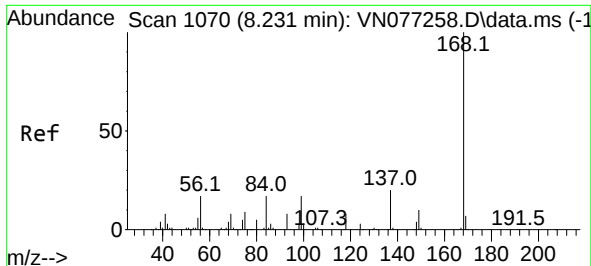
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040523\  
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Sample : IBLK  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Quant Time: Apr 05 15:47:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 05 15:36:02 2023  
Response via : Initial Calibration

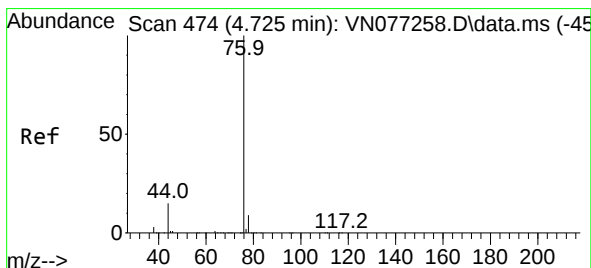
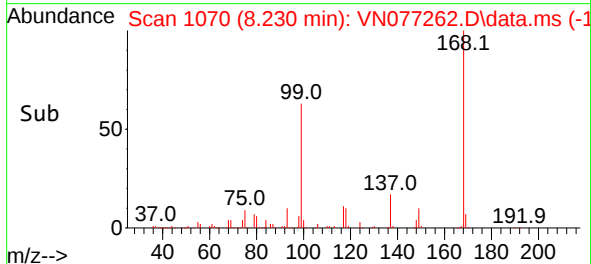
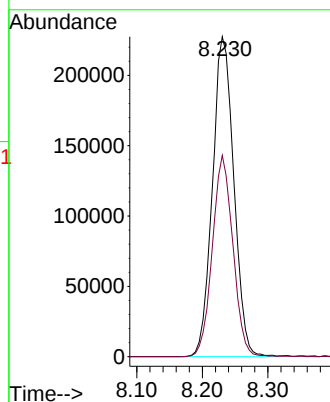
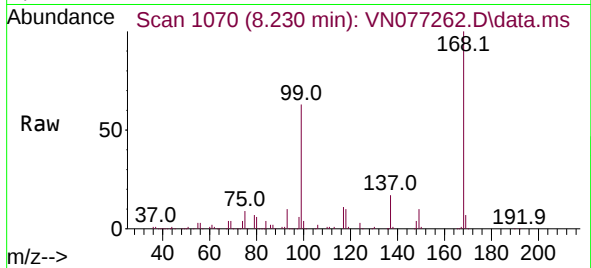




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1070  
Delta R.T. -0.001 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

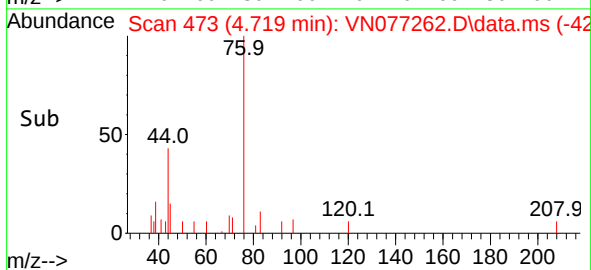
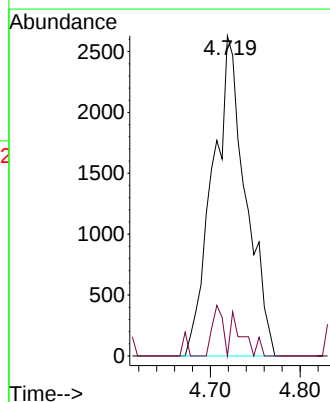
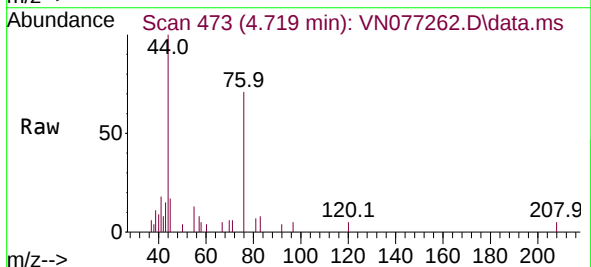
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

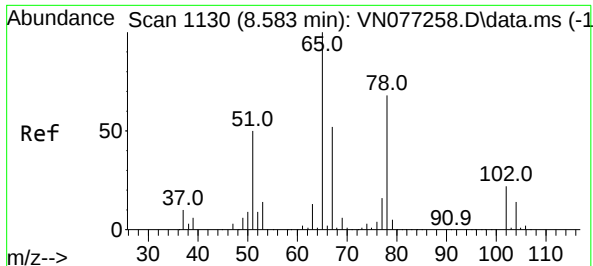
Tgt Ion:168 Resp: 514689  
Ion Ratio Lower Upper  
168 100  
99 62.9 50.6 75.8



#17  
Carbon Disulfide  
Concen: 0.414 ug/l  
RT: 4.719 min Scan# 473  
Delta R.T. -0.006 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

Tgt Ion: 76 Resp: 6718  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.3 10.9#





#33

1,2-Dichloroethane-d4

Concen: 45.892 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077262.D

Acq: 05 Apr 2023 14:05

Instrument :

MSVOA\_N

ClientSampleId :

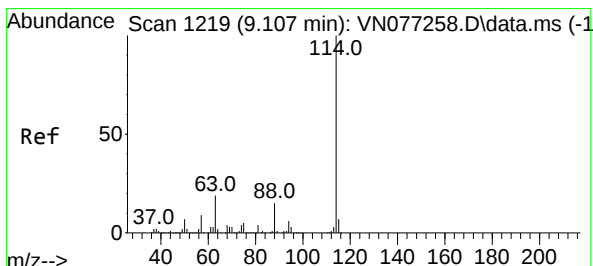
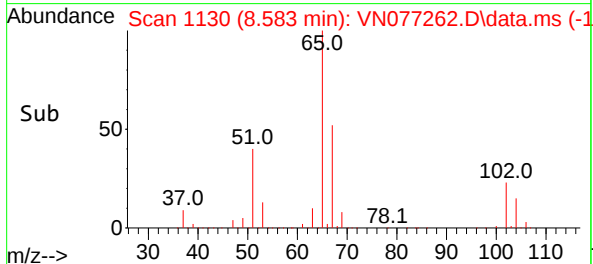
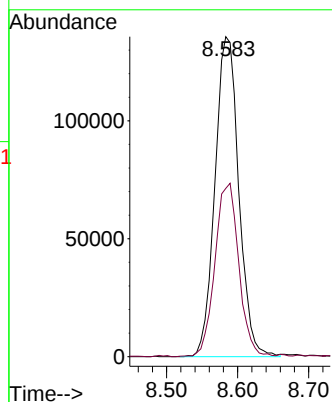
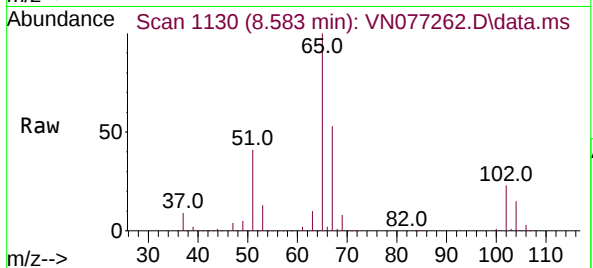
IBLK

Tgt Ion: 65 Resp: 315261

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077262.D

Acq: 05 Apr 2023 14:05

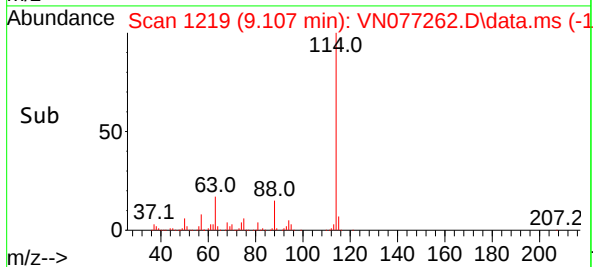
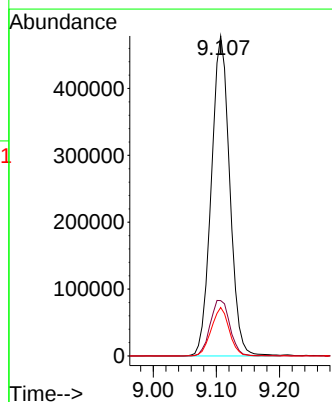
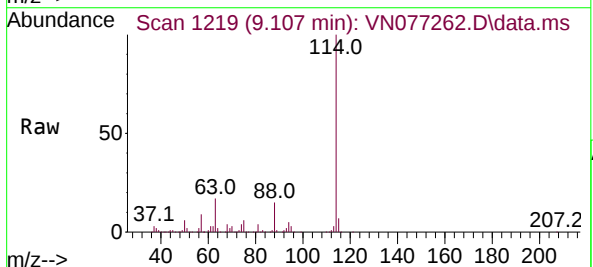
Tgt Ion: 114 Resp: 969096

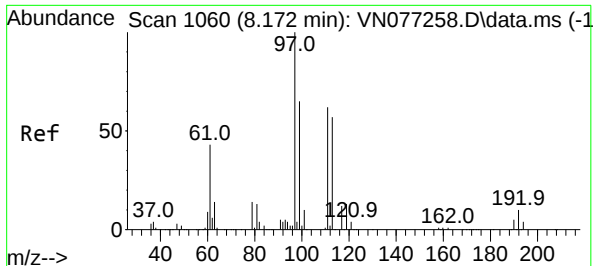
Ion Ratio Lower Upper

114 100

63 17.3 0.0 37.8

88 15.2 0.0 29.4

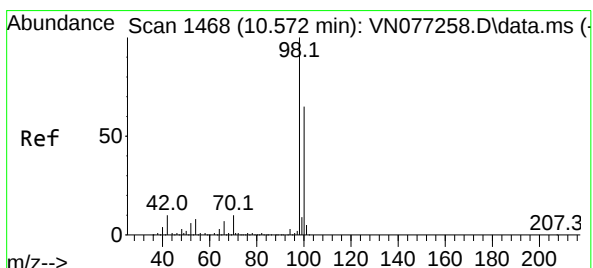
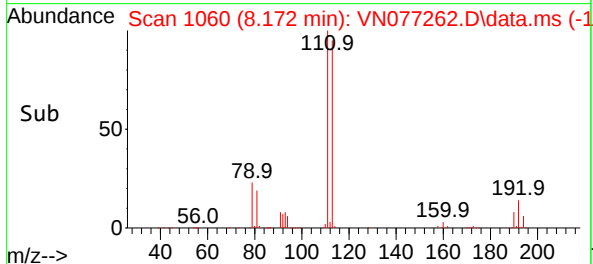
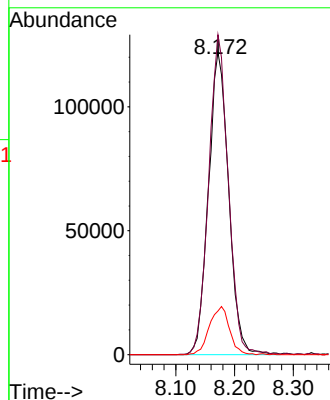
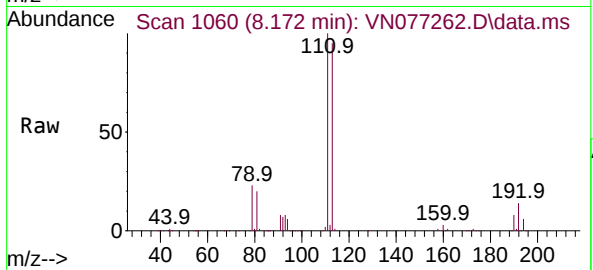




#35  
Dibromofluoromethane  
Concen: 47.094 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

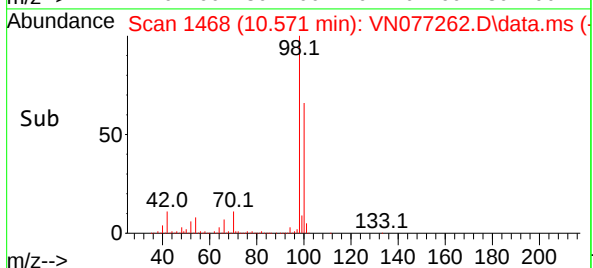
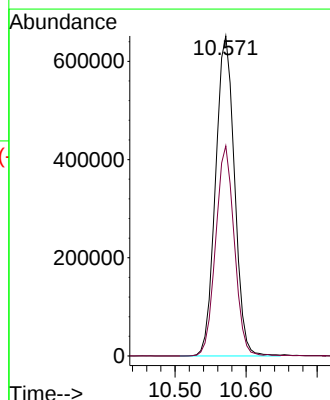
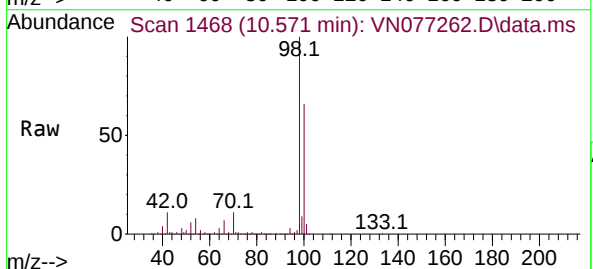
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

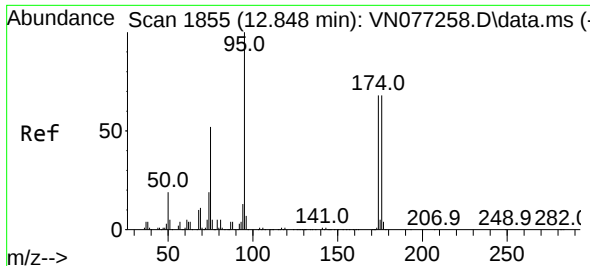
Tgt Ion:113 Resp: 291676  
Ion Ratio Lower Upper  
113 100  
111 102.9 83.4 125.0  
192 15.8 13.5 20.3



#50  
Toluene-d8  
Concen: 49.547 ug/l  
RT: 10.571 min Scan# 1468  
Delta R.T. -0.001 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

Tgt Ion: 98 Resp: 1205151  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.3 76.9

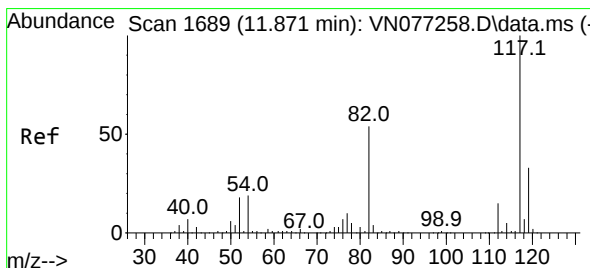
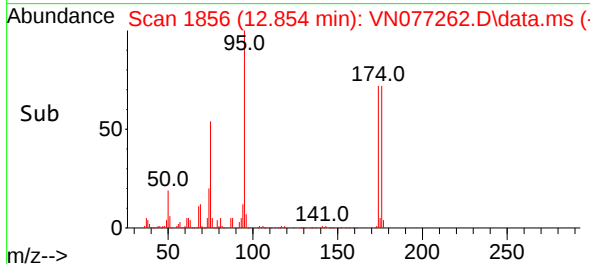
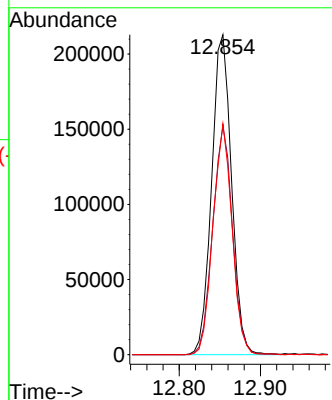
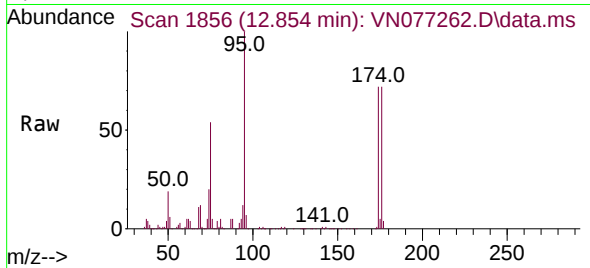




#62  
4-Bromofluorobenzene  
Concen: 45.142 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

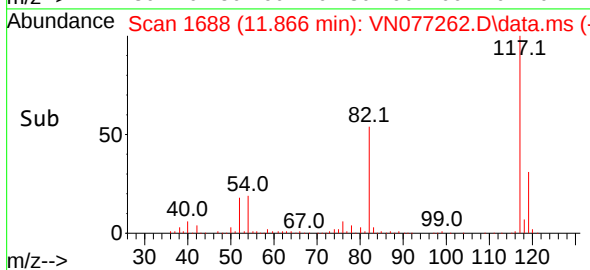
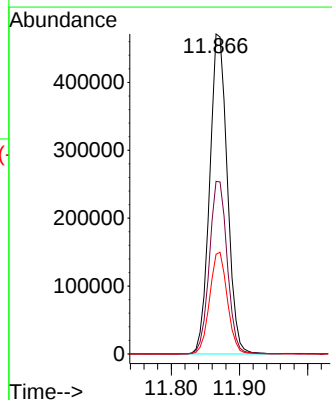
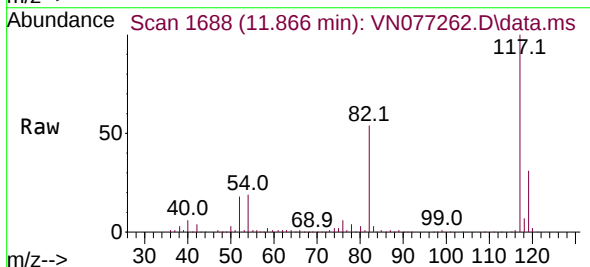
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

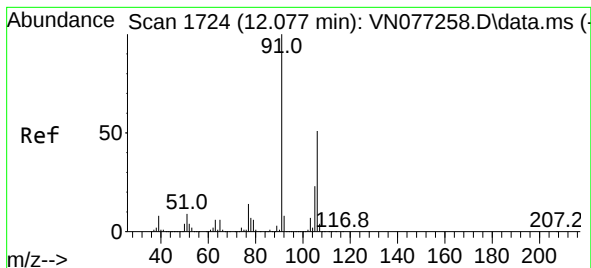
Tgt Ion: 95 Resp: 362299  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 146.8  
176 69.2 0.0 139.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 1688  
Delta R.T. -0.005 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

Tgt Ion: 117 Resp: 849206  
Ion Ratio Lower Upper  
117 100  
82 53.9 42.9 64.3  
119 31.1 26.2 39.4

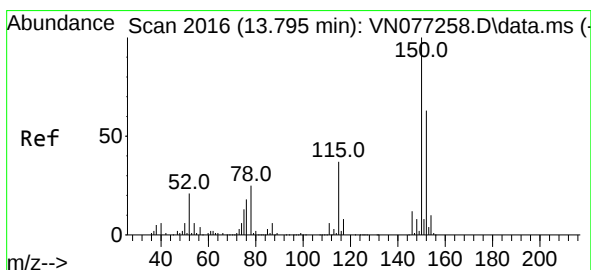
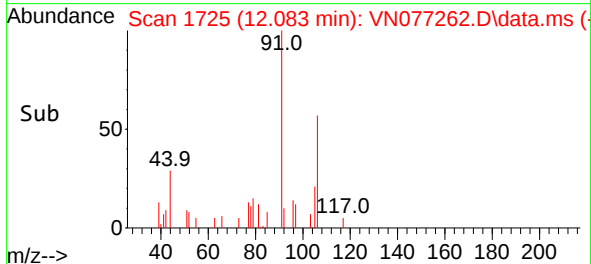
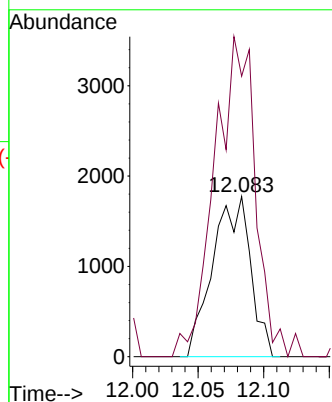
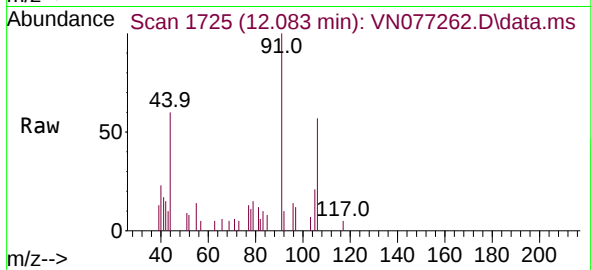




#68  
m/p-Xylenes  
Concen: 0.268 ug/l  
RT: 12.083 min Scan# 1725  
Delta R.T. 0.006 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

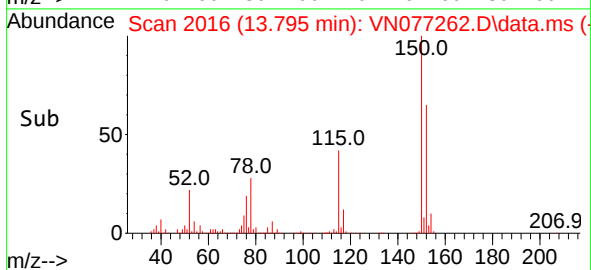
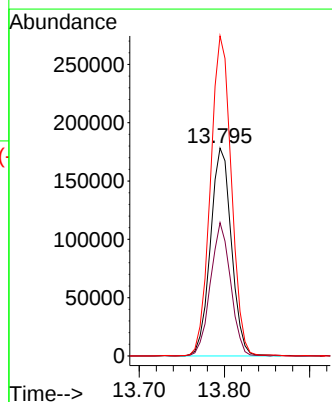
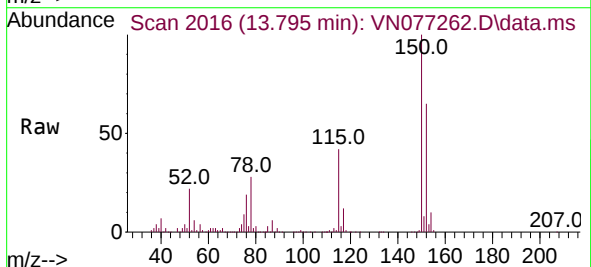
Instrument :  
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IBLK

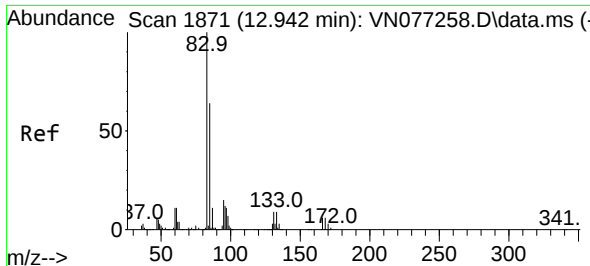
Tgt Ion:106 Resp: 3552  
Ion Ratio Lower Upper  
106 100  
91 216.4 158.7 238.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

Tgt Ion:152 Resp: 305076  
Ion Ratio Lower Upper  
152 100  
115 61.5 32.1 96.3  
150 153.4 0.0 354.8

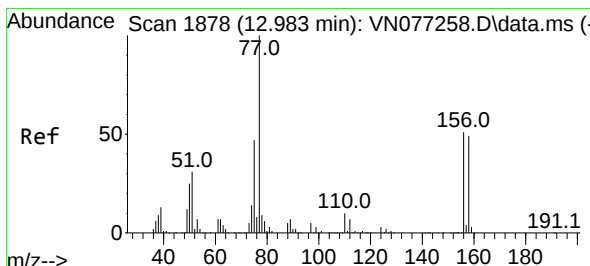
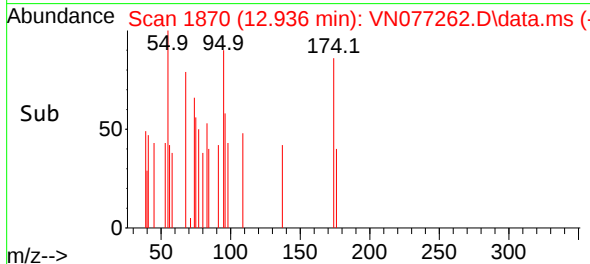
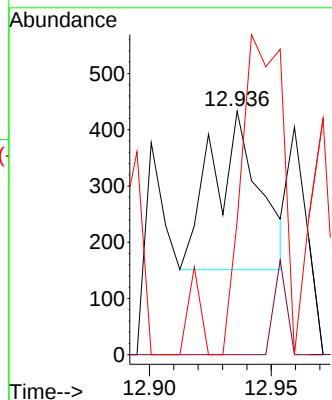
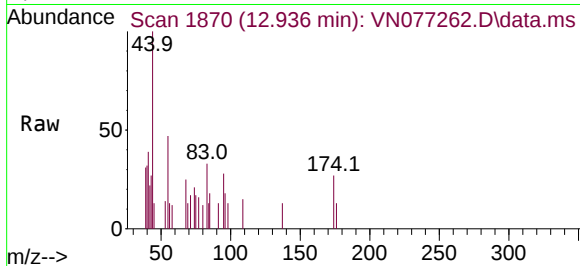




#75  
1,1,2,2-Tetrachloroethane  
Concen: Below Cal  
RT: 12.936 min Scan# 1870  
Delta R.T. -0.006 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

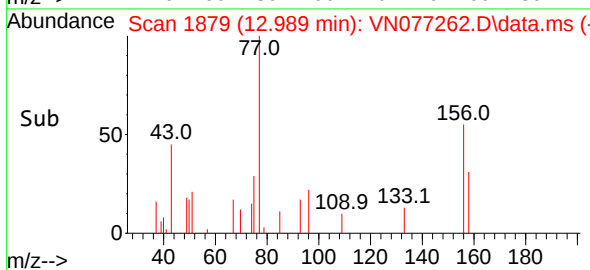
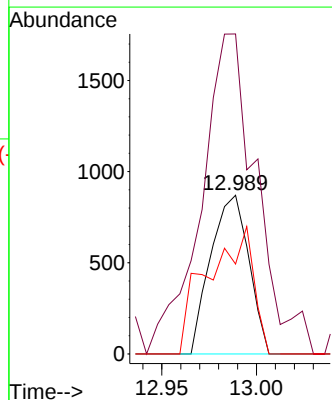
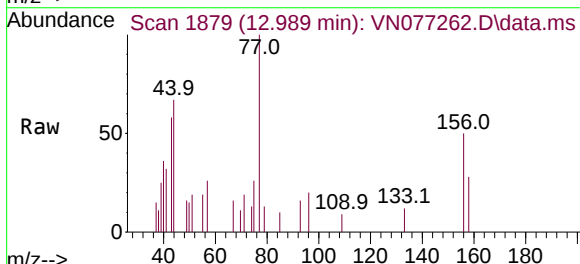
Instrument :  
MSVOA\_N  
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IBLK

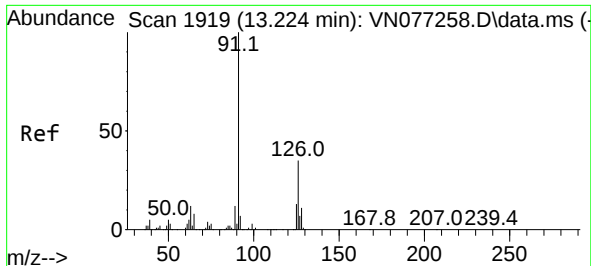
Tgt Ion: 83 Resp: 380  
Ion Ratio Lower Upper  
83 100  
131 15.5 4.9 14.6#  
85 172.9 32.1 96.3#



#77  
Bromobenzene  
Concen: 0.203 ug/l  
RT: 12.989 min Scan# 1879  
Delta R.T. 0.006 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

Tgt Ion:156 Resp: 1216  
Ion Ratio Lower Upper  
156 100  
77 294.2 115.3 345.8  
158 96.1 49.3 147.8

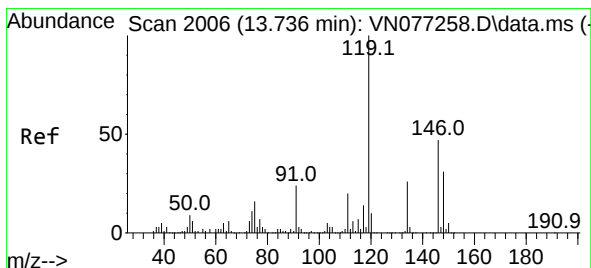
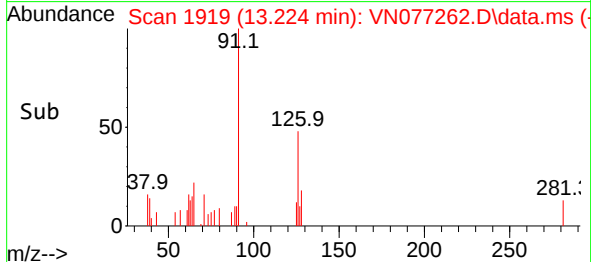
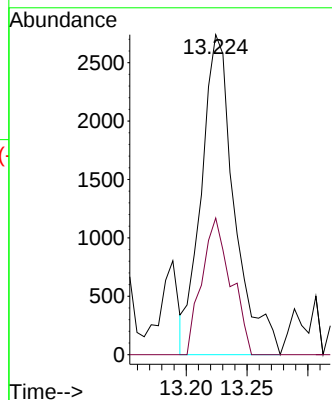
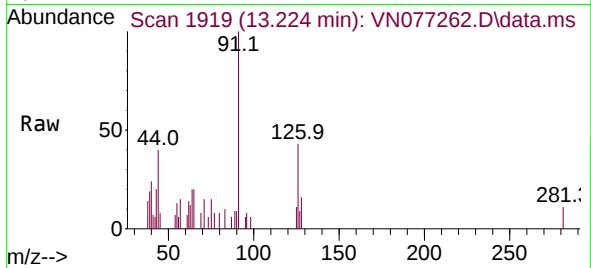




#82  
4-Chlorotoluene  
Concen: 0.285 ug/l  
RT: 13.224 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

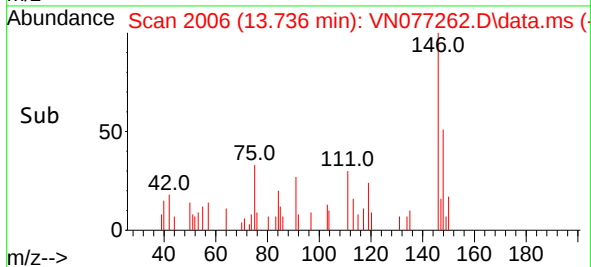
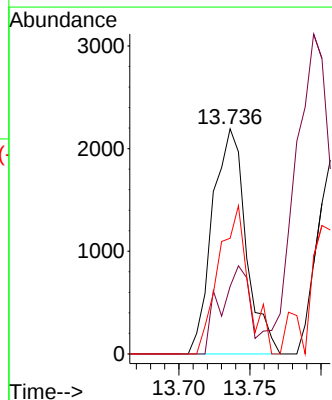
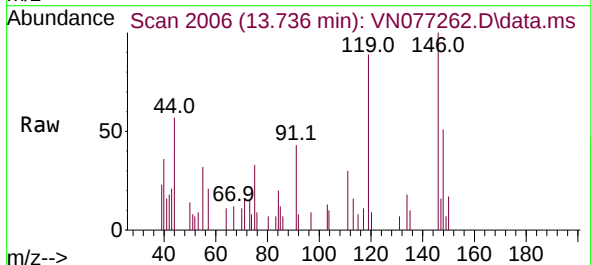
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

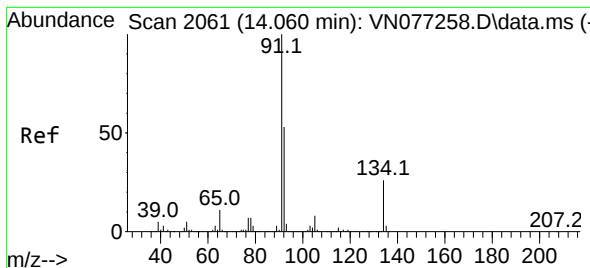
Tgt Ion: 91 Resp: 5187  
Ion Ratio Lower Upper  
91 100  
126 37.7 16.9 50.7



#87  
1,3-Dichlorobenzene  
Concen: 0.327 ug/l  
RT: 13.736 min Scan# 2006  
Delta R.T. -0.000 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

Tgt Ion: 146 Resp: 3608  
Ion Ratio Lower Upper  
146 100  
111 35.3 21.8 65.4  
148 58.3 31.7 95.1





#89

n-Butylbenzene

Concen: 0.338 ug/l

RT: 14.059 min Scan# 2061

Delta R.T. -0.001 min

Lab File: VN077262.D

Acq: 05 Apr 2023 14:05

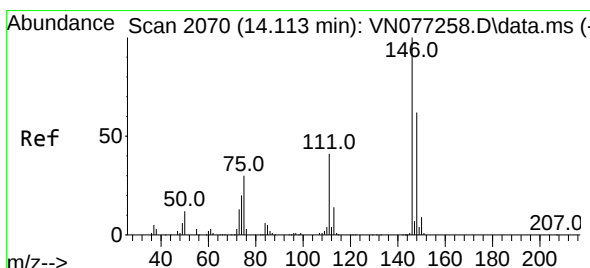
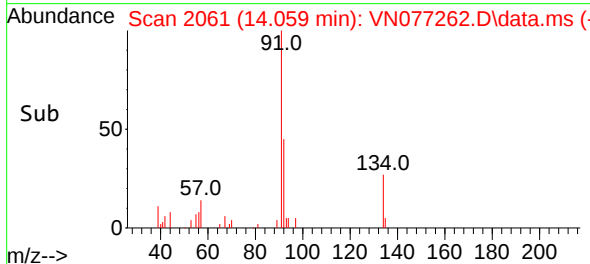
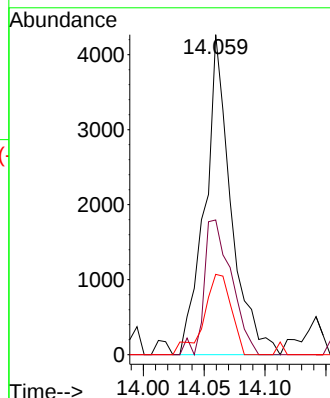
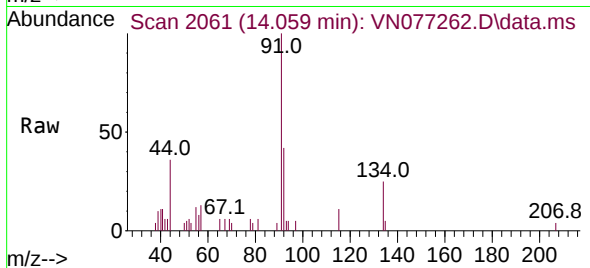
Instrument :

MSVOA\_N

ClientSampleId :

IBLK

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 6332  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 44.3  | 26.7  | 80.0  |
| 134      | 26.4  | 12.8  | 38.3  |



#91

1,2-Dichlorobenzene

Concen: 0.255 ug/l

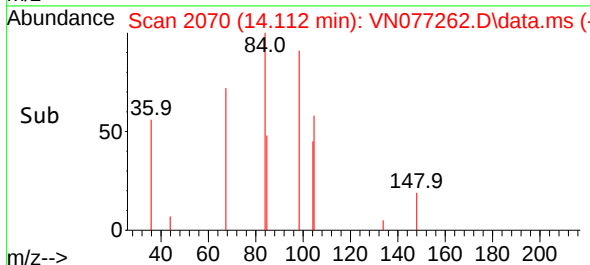
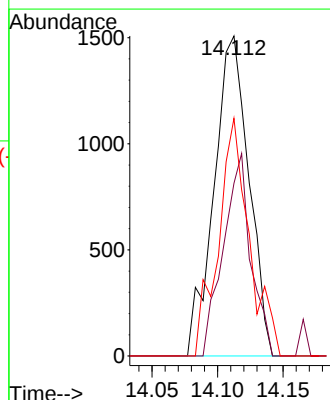
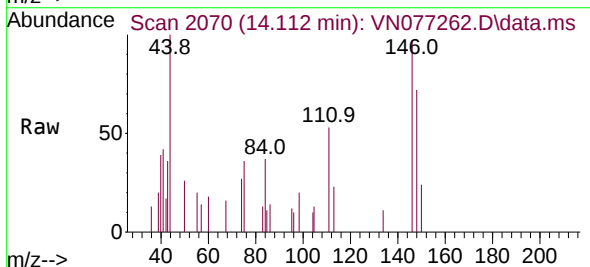
RT: 14.112 min Scan# 2070

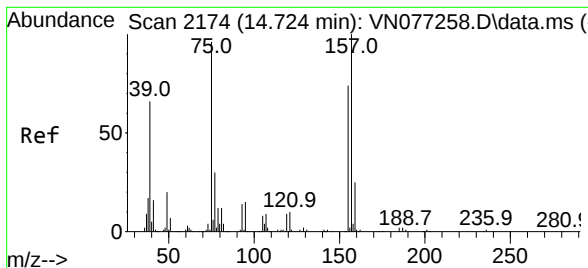
Delta R.T. -0.001 min

Lab File: VN077262.D

Acq: 05 Apr 2023 14:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 2789  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 49.9  | 21.9  | 65.5  |
| 148      | 65.9  | 31.9  | 95.5  |

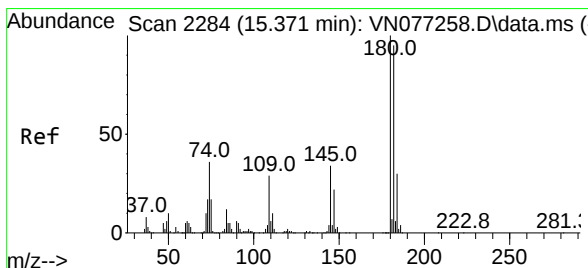
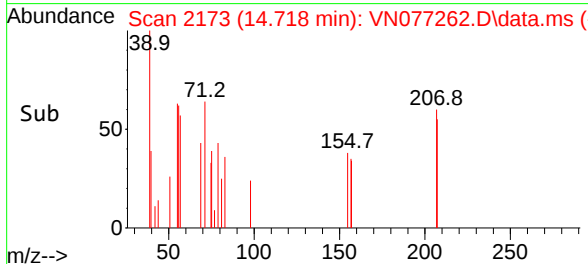
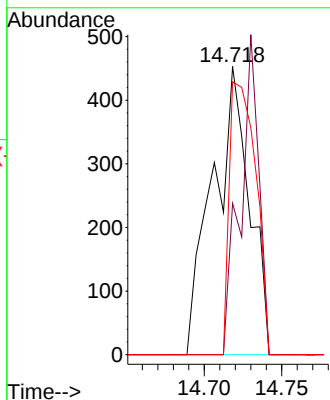
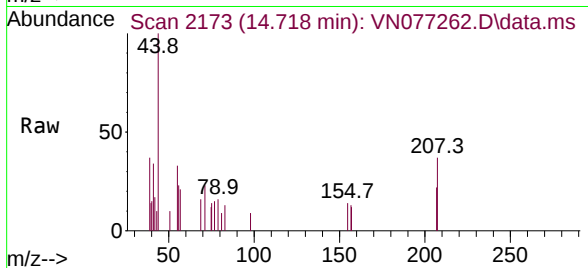




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.424 ug/l  
 RT: 14.718 min Scan# 2173  
 Delta R.T. -0.006 min  
 Lab File: VN077262.D  
 Acq: 05 Apr 2023 14:05

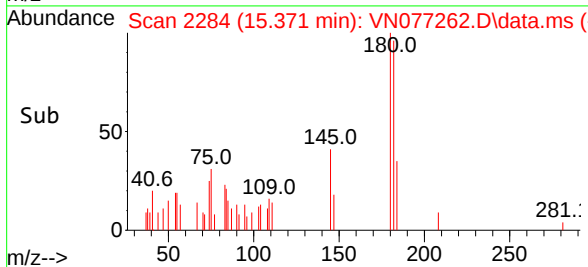
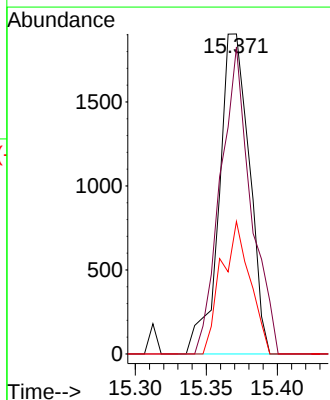
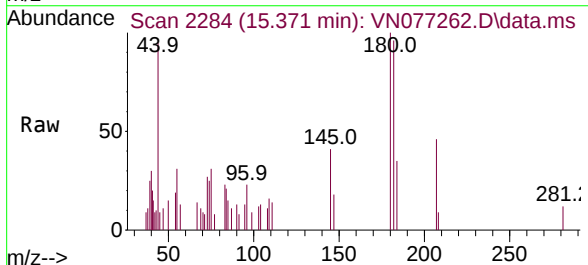
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

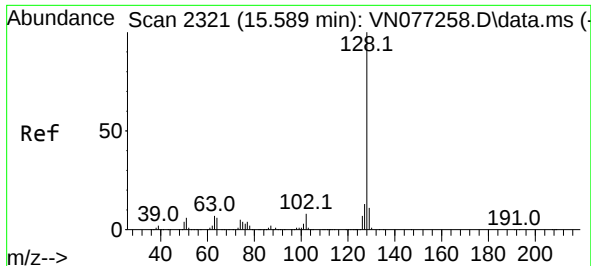
Tgt Ion: 75 Resp: 745  
 Ion Ratio Lower Upper  
 75 100  
 155 56.4 41.0 123.2  
 157 68.1 54.0 162.0



#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.678 ug/l  
 RT: 15.371 min Scan# 2284  
 Delta R.T. 0.000 min  
 Lab File: VN077262.D  
 Acq: 05 Apr 2023 14:05

Tgt Ion: 180 Resp: 2816  
 Ion Ratio Lower Upper  
 180 100  
 182 96.6 46.7 140.0  
 145 39.2 16.6 49.8

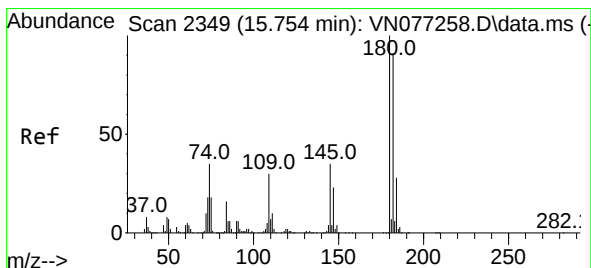
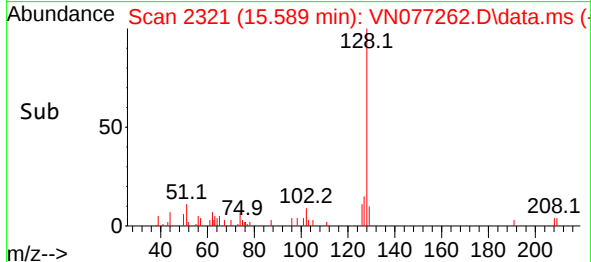
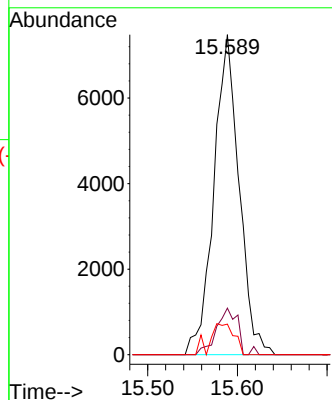
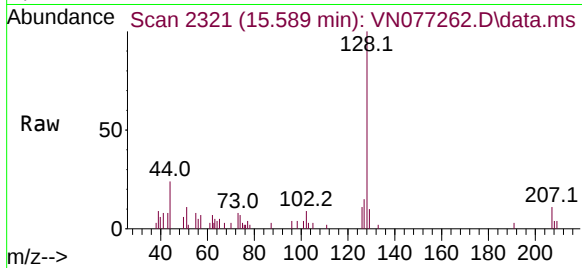




#95  
Naphthalene  
Concen: 2.783 ug/l  
RT: 15.589 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 14615 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 11.9  | 10.2  | 15.4  |
| 129       | 9.4   | 8.9   | 13.3  |



#96  
1,2,3-Trichlorobenzene  
Concen: 2.591 ug/l  
RT: 15.765 min Scan# 2351  
Delta R.T. 0.011 min  
Lab File: VN077262.D  
Acq: 05 Apr 2023 14:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 2850  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.5  | 46.9  | 140.8 |
| 145       | 32.8  | 17.6  | 52.8  |

