

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032222\  
 Data File : VN071475.D  
 Acq On : 22 Mar 2022 18:33  
 Operator : JC\MD  
 Sample : N2031-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Mar 23 07:10:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 06:52:46 2022  
 Response via : Initial Calibration

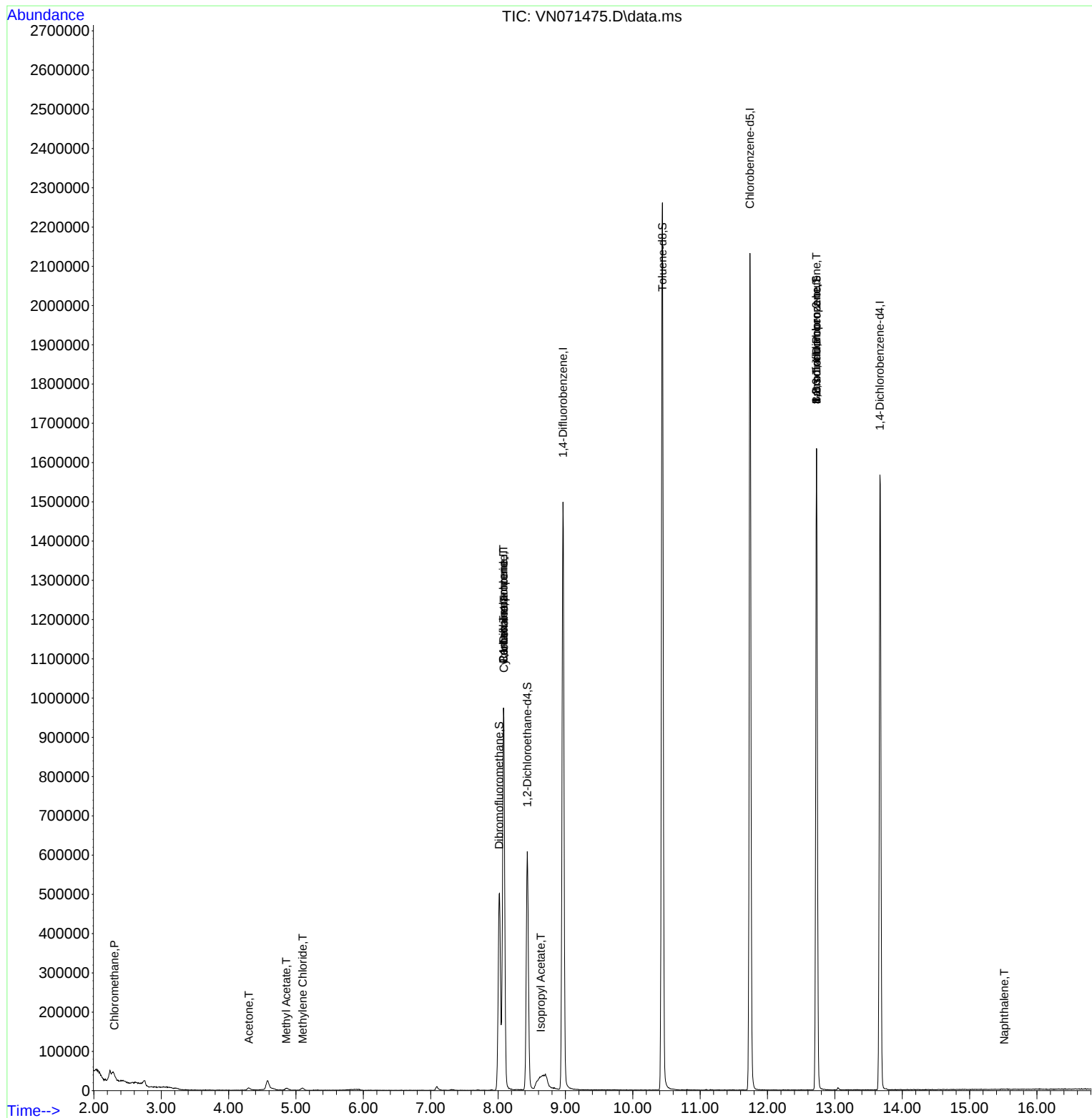
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.081  | 168   | 746585   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963  | 114   | 1281017  | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739 | 117   | 1209798  | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668 | 152   | 429714   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.434  | 65    | 498838   | 48.752    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 97.500%  |
| 35) Dibromofluoromethane      | 8.016  | 113   | 374640   | 46.345    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 92.700%  |
| 50) Toluene-d8                | 10.439 | 98    | 1570442  | 48.251    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 96.500%  |
| 62) 4-Bromofluorobenzene      | 12.727 | 95    | 569556   | 51.678    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 103.360% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.305  | 50    | 3931     | 0.323     | ug/l   | 90       |
| 5) Bromomethane               | 2.863  | 94    | 492      | Below Cal | #      | 67       |
| 16) Acetone                   | 4.298  | 43    | 9052     | 1.818     | ug/l   | 99       |
| 18) Methyl Acetate            | 4.857  | 43    | 11475    | 1.320     | ug/l   | 94       |
| 20) Methylene Chloride        | 5.098  | 84    | 4225     | 0.843     | ug/l # | 81       |
| 31) Cyclohexane               | 8.086  | 56    | 16557    | 1.013     | ug/l # | 21       |
| 36) 1,1-Dichloropropene       | 8.081  | 75    | 59315    | 4.580     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.081  | 117   | 73899    | 5.899     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.633  | 43    | 49410    | 1.854     | ug/l # | 57       |
| 71) Bromoform                 | 12.727 | 173   | 3541     | 0.489     | ug/l # | 1        |
| 75) 1,1,2,2-Tetrachloroethane | 12.721 | 83    | 274      | Below Cal | #      | 1        |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75    | 292771   | 26.802    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727 | 75    | 292771   | 73.650    | ug/l # | 5        |
| 95) Naphthalene               | 15.515 | 128   | 534      | 5.092     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

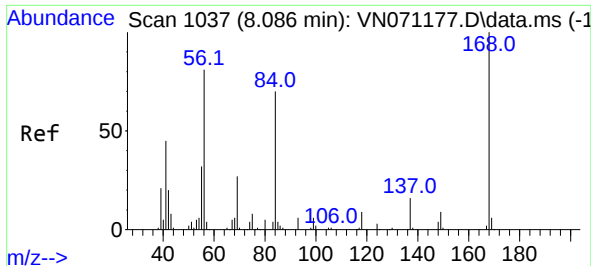
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032222\  
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ALS Vial : 21 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :

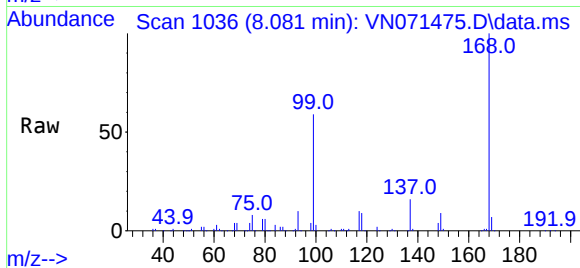
Quant Time: Mar 23 07:10:24 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 08 06:52:46 2022  
Response via : Initial Calibration



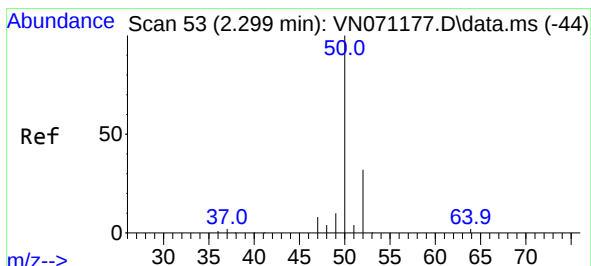
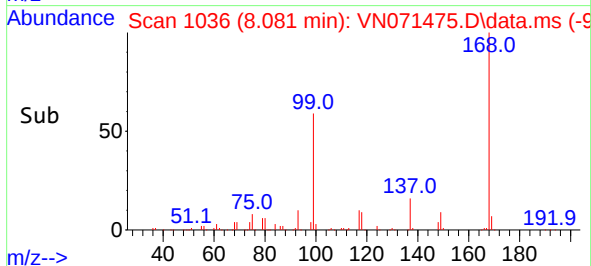
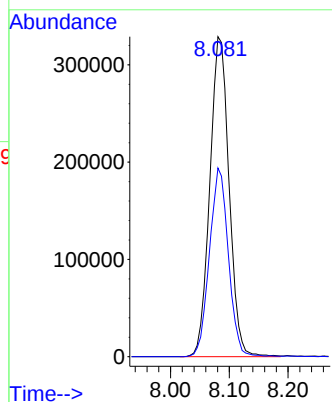


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 10  
Delta R.T. -0.005 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

Instrument :  
MSVOA\_N  
ClientSampleId :

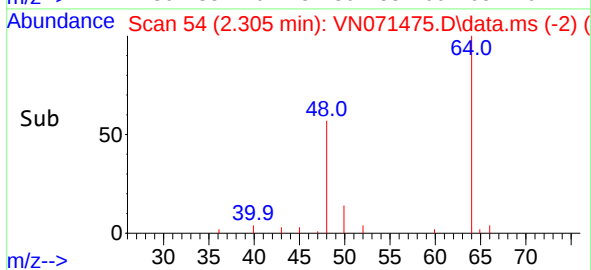
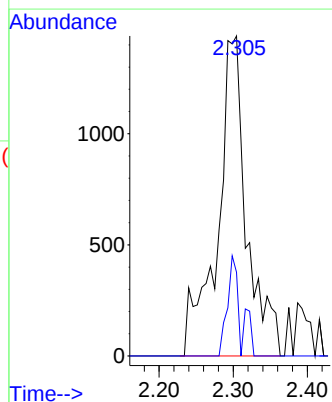
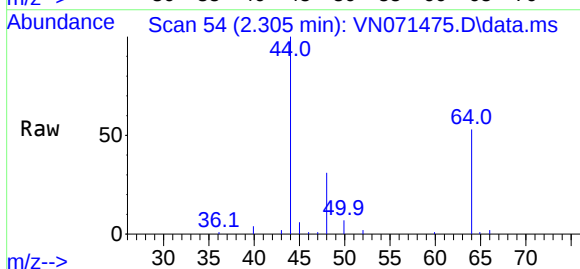


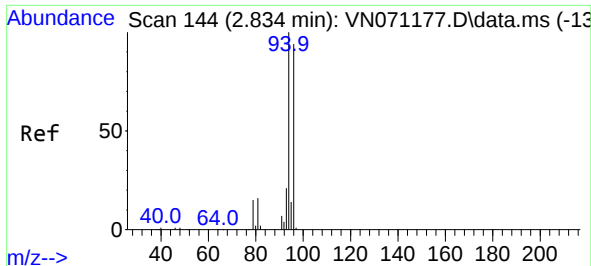
Tgt Ion:168 Resp: 746585  
Ion Ratio Lower Upper  
168 100  
99 58.9 41.3 61.9



#3  
Chloromethane  
Concen: 0.323 ug/l  
RT: 2.305 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

Tgt Ion: 50 Resp: 3931  
Ion Ratio Lower Upper  
50 100  
52 26.2 25.4 38.0

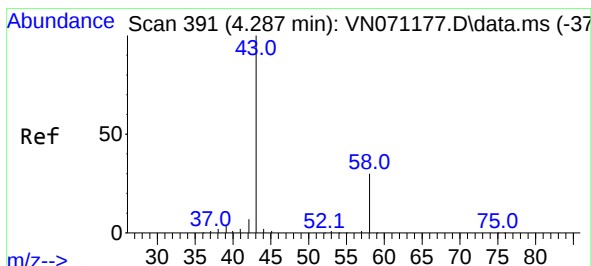
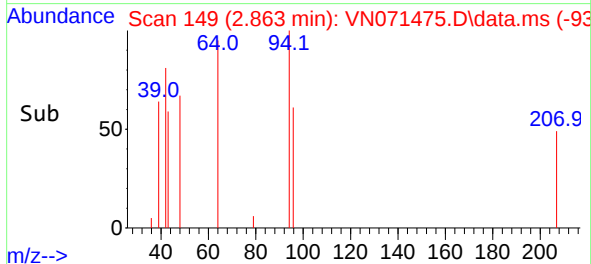
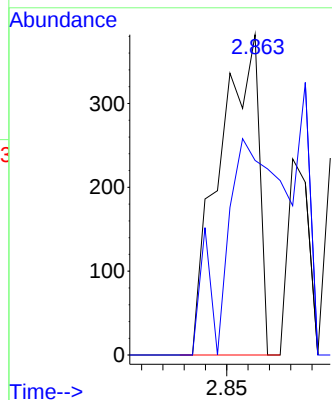
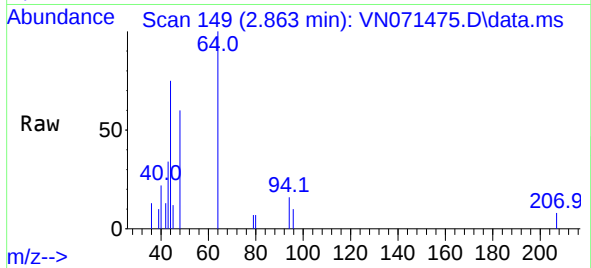




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.863 min Scan# 144  
Delta R.T. 0.029 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

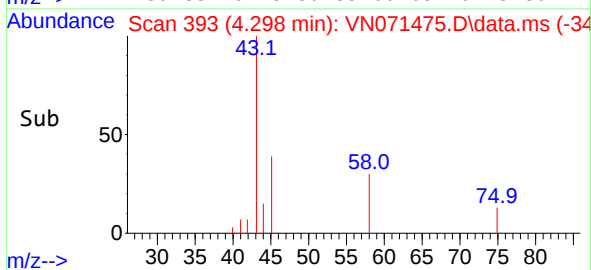
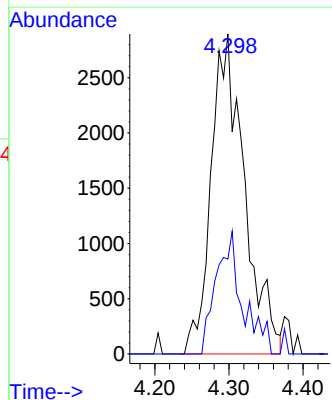
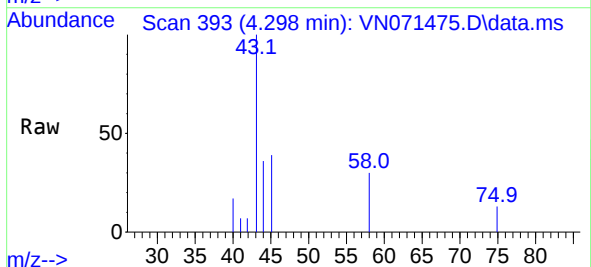
Instrument :  
MSVOA\_N  
ClientSampleId :

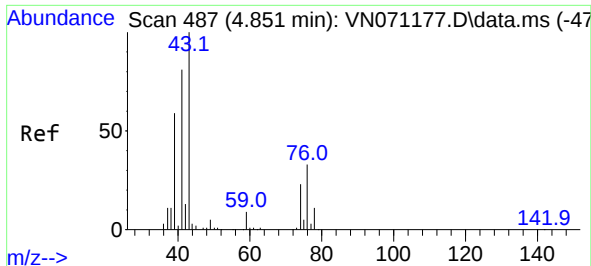
Tgt Ion: 94 Resp: 492  
Ion Ratio Lower Upper  
94 100  
96 60.7 73.8 110.8#



#16  
Acetone  
Concen: 1.818 ug/l  
RT: 4.298 min Scan# 393  
Delta R.T. 0.012 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

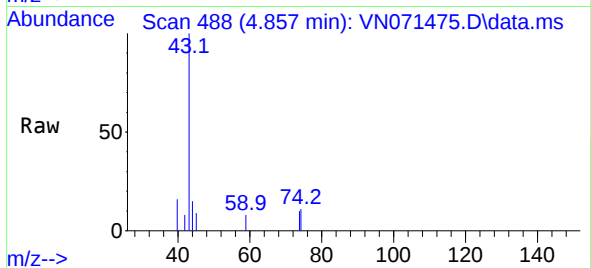
Tgt Ion: 43 Resp: 9052  
Ion Ratio Lower Upper  
43 100  
58 29.7 23.1 34.7



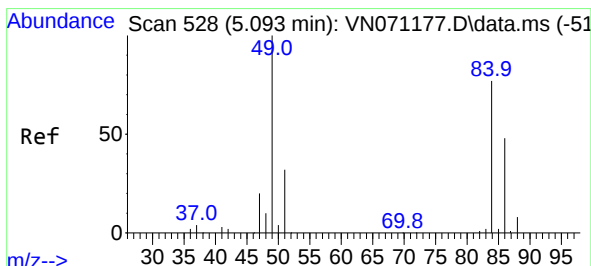
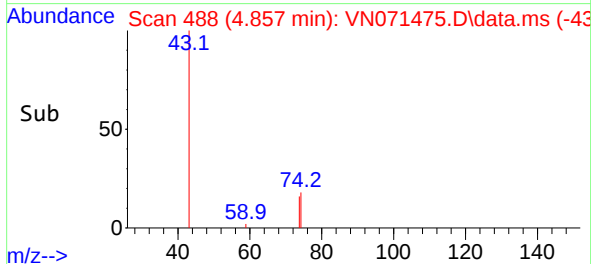
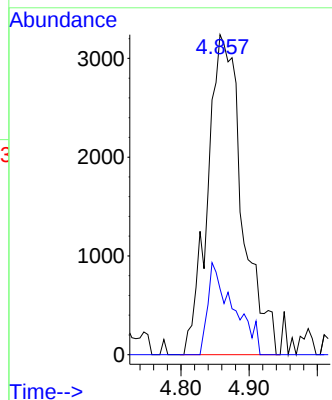


#18  
Methyl Acetate  
Concen: 1.320 ug/l  
RT: 4.857 min Scan# 488  
Delta R.T. 0.006 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

Instrument :  
MSVOA\_N  
ClientSampleId :

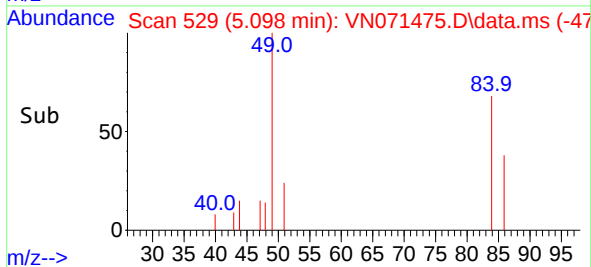
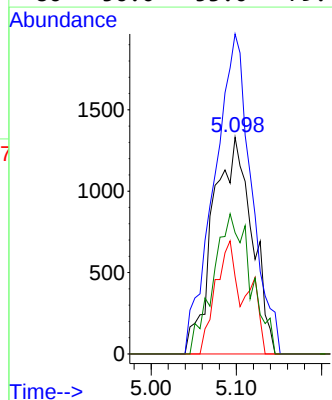
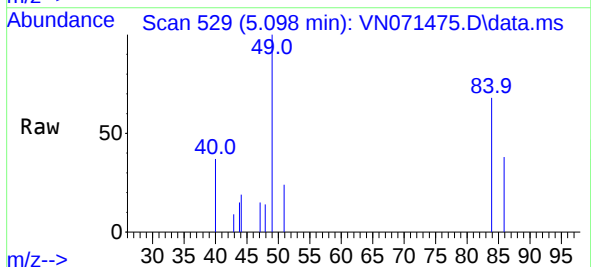


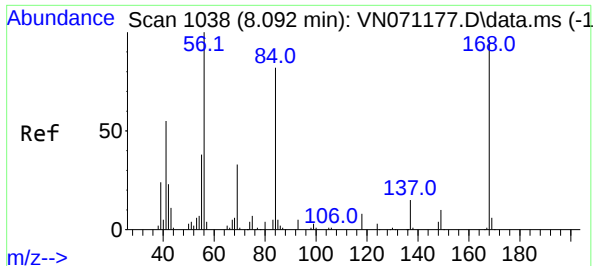
Tgt Ion: 43 Resp: 11475  
Ion Ratio Lower Upper  
43 100  
74 21.1 19.4 29.2



#20  
Methylene Chloride  
Concen: 0.843 ug/l  
RT: 5.098 min Scan# 529  
Delta R.T. 0.005 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

Tgt Ion: 84 Resp: 4225  
Ion Ratio Lower Upper  
84 100  
49 147.7 93.5 140.3#  
51 35.7 29.4 44.2  
86 56.0 53.0 79.4





#31

Cyclohexane

Concen: 1.013 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071475.D

Acq: 22 Mar 2022 18:33

Instrument :

MSVOA\_N

ClientSampleId :

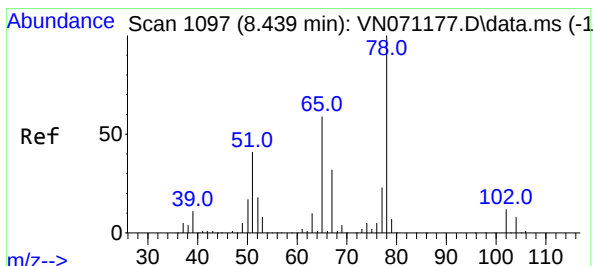
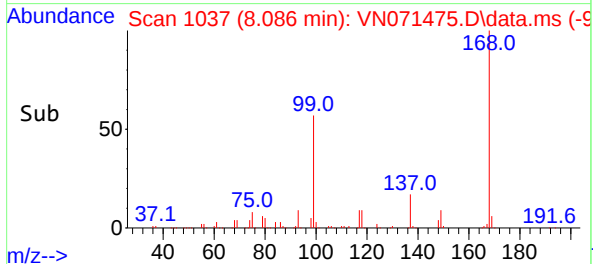
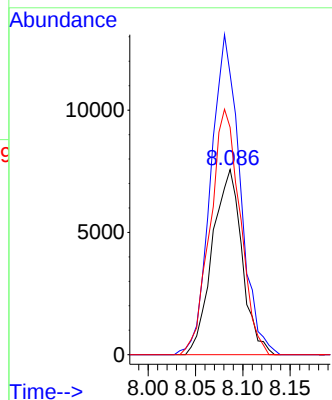
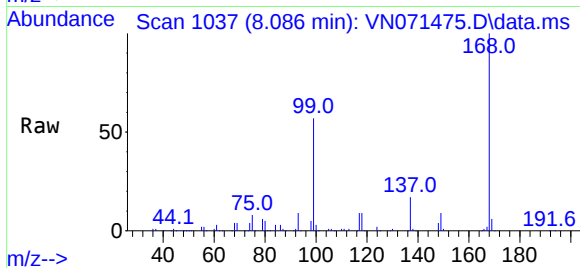
Tgt Ion: 56 Resp: 16557

Ion Ratio Lower Upper

56 100

69 151.5 27.1 40.7#

84 122.7 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 48.752 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071475.D

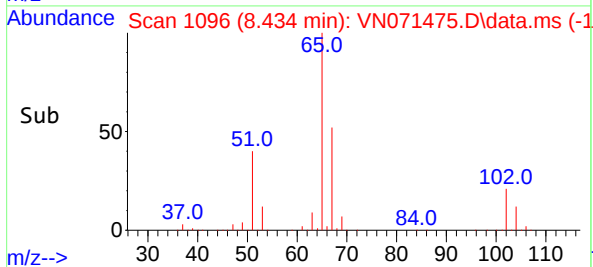
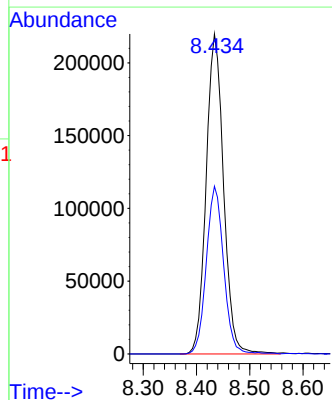
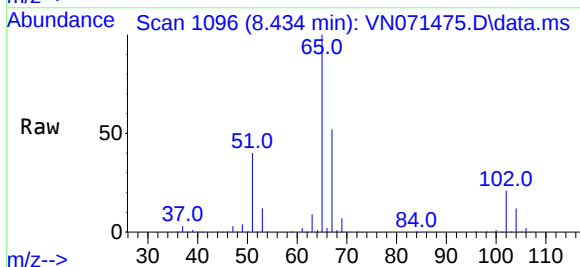
Acq: 22 Mar 2022 18:33

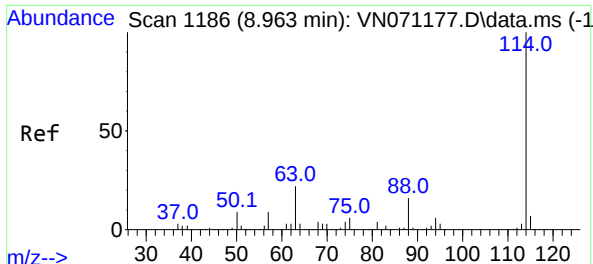
Tgt Ion: 65 Resp: 498838

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071475.D

Acq: 22 Mar 2022 18:33

Instrument :

MSVOA\_N

ClientSampleId :

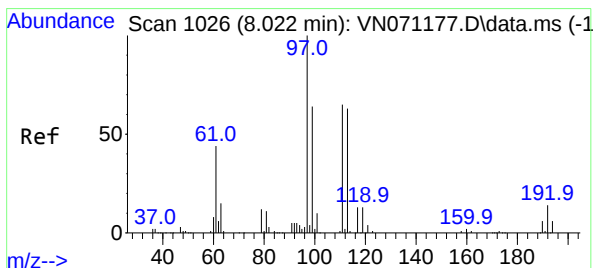
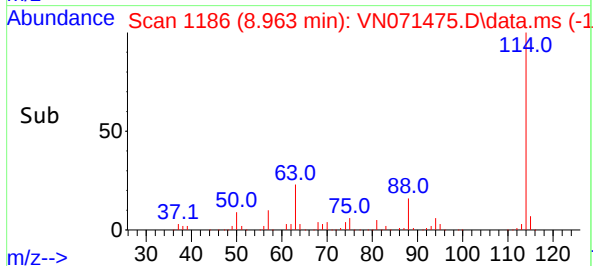
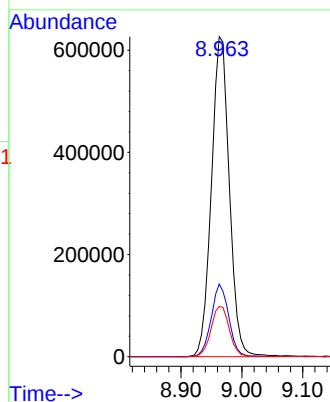
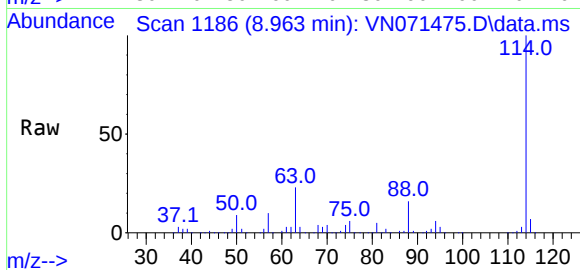
Tgt Ion:114 Resp: 1281017

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.8

88 15.7 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.345 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071475.D

Acq: 22 Mar 2022 18:33

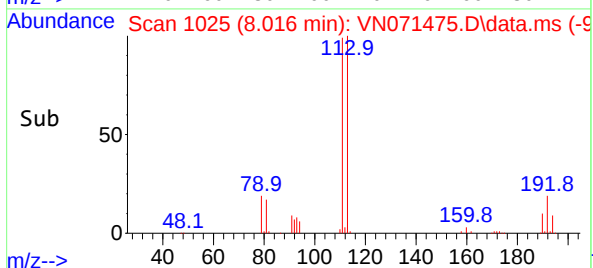
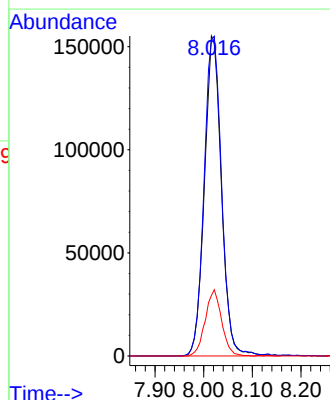
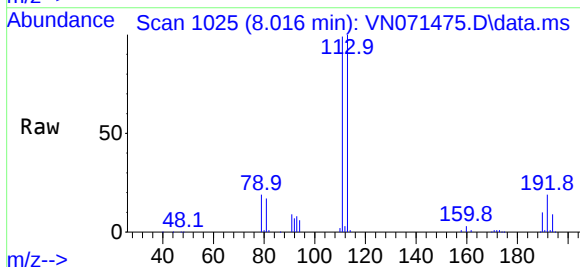
Tgt Ion:113 Resp: 374640

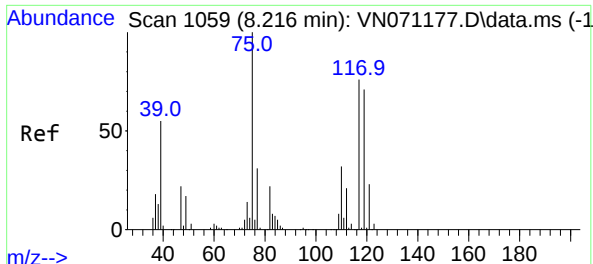
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 20.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.580 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071475.D

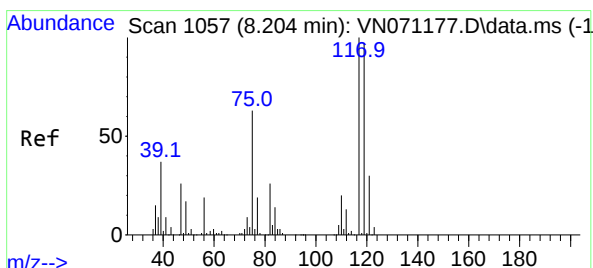
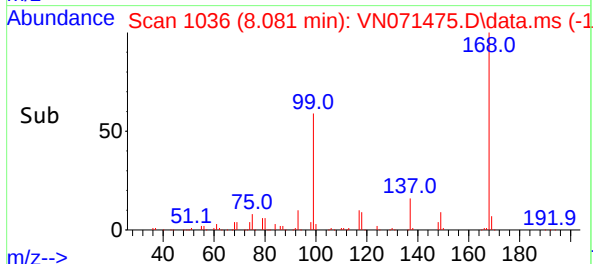
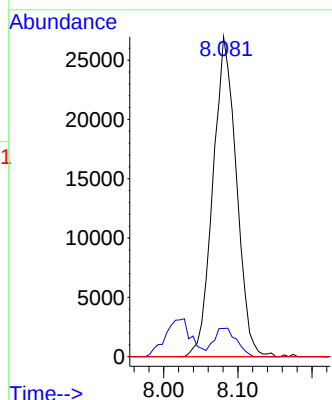
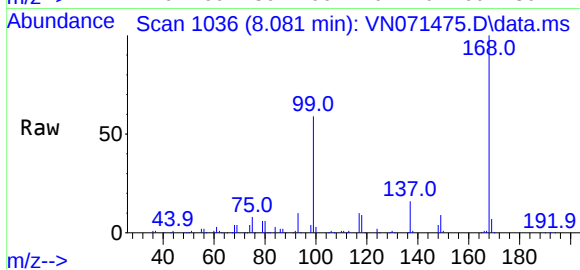
Acq: 22 Mar 2022 18:33

Instrument :

MSVOA\_N

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 59315    |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 8.5 18.4 55.2# |
| 77          | 0.0 24.4 36.6# |



#38

Carbon Tetrachloride

Concen: 5.899 ug/l

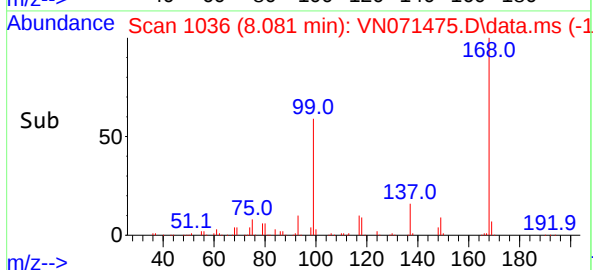
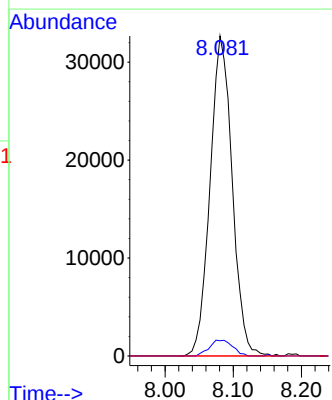
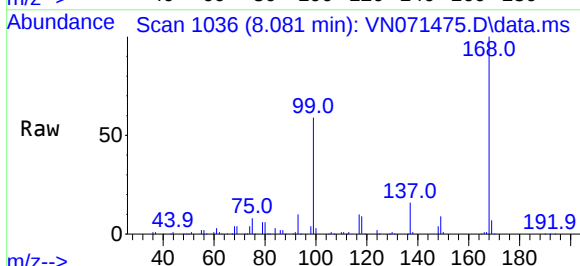
RT: 8.081 min Scan# 1036

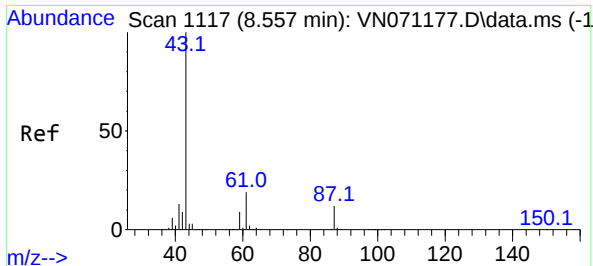
Delta R.T. -0.123 min

Lab File: VN071475.D

Acq: 22 Mar 2022 18:33

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 73899     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 4.8 76.1 114.1# |
| 121          | 0.0 24.2 36.2#  |

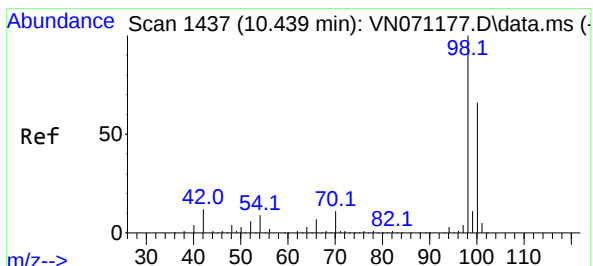
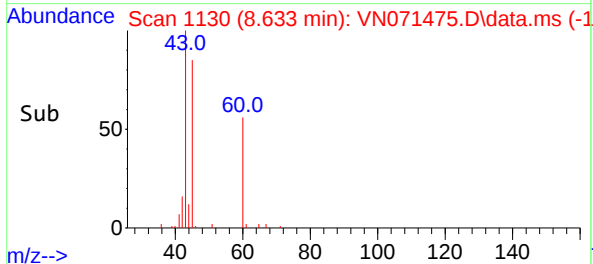
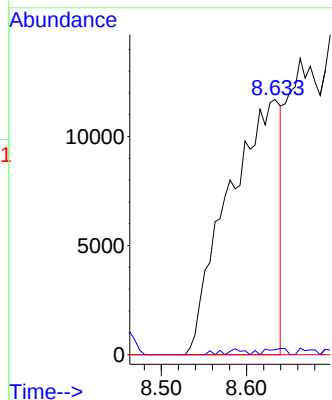
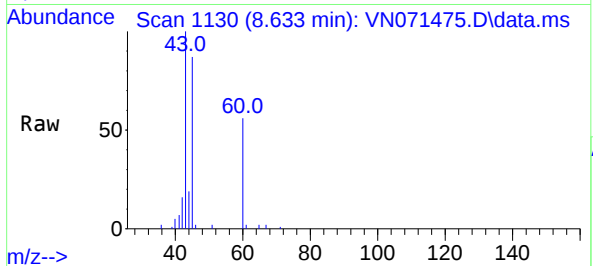




#43  
Isopropyl Acetate  
Concen: 1.854 ug/l  
RT: 8.633 min Scan# 1117  
Delta R.T. 0.076 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

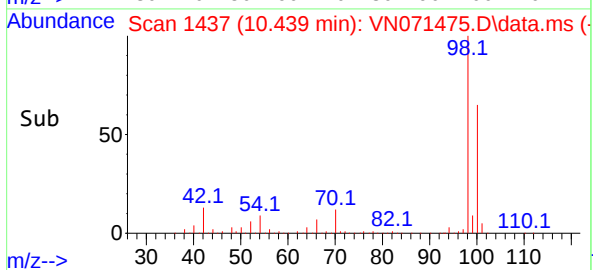
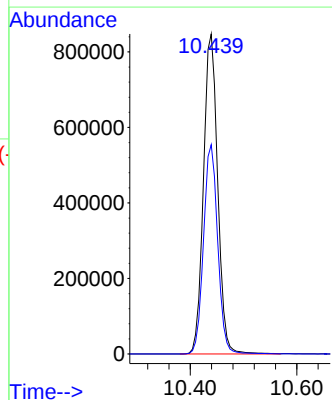
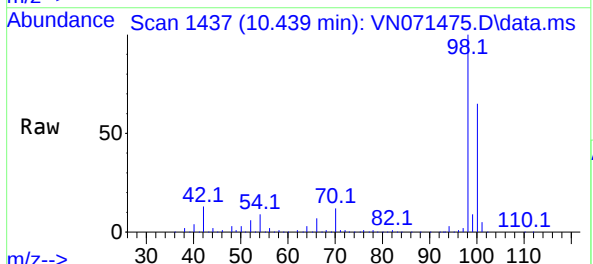
Instrument :  
MSVOA\_N  
ClientSampleId :

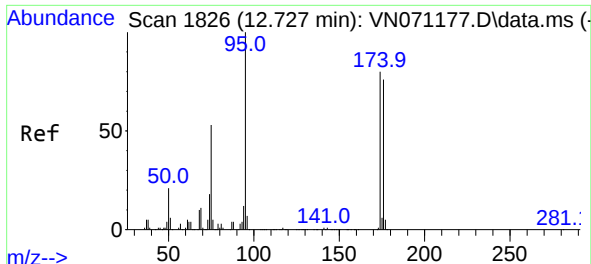
Tgt Ion: 43 Resp: 49410  
Ion Ratio Lower Upper  
43 100  
61 1.0 20.4 30.6#  
87 0.0 11.2 16.8#



#50  
Toluene-d8  
Concen: 48.251 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

Tgt Ion: 98 Resp: 1570442  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.4 75.6

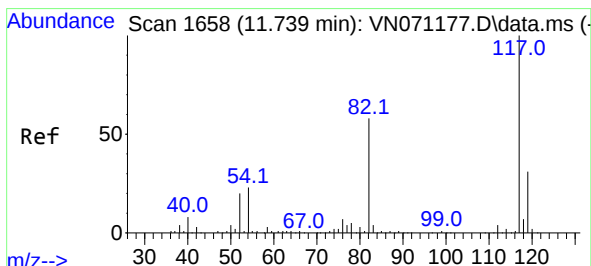
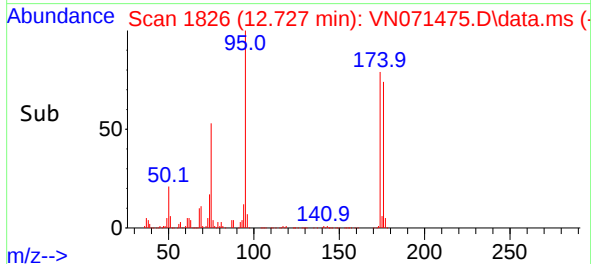
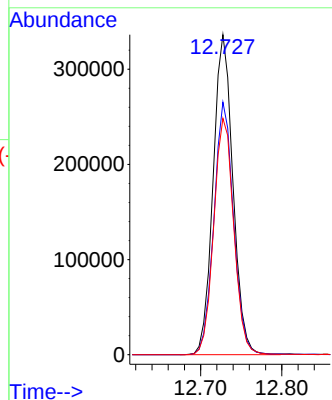
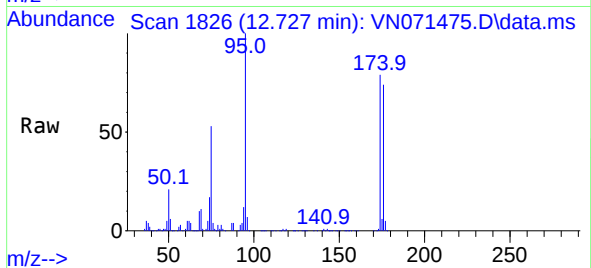




#62  
4-Bromofluorobenzene  
Concen: 51.678 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

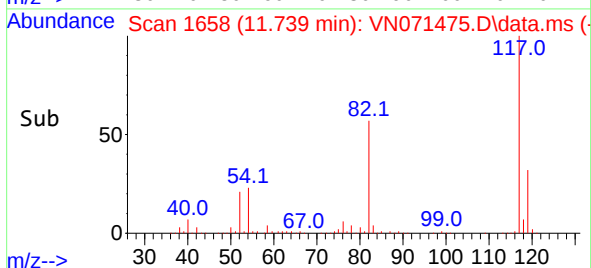
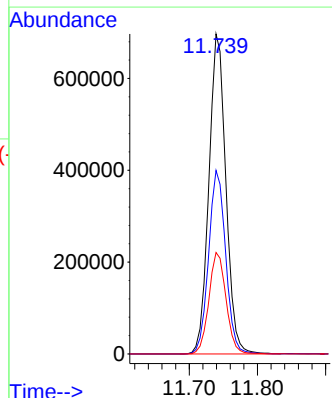
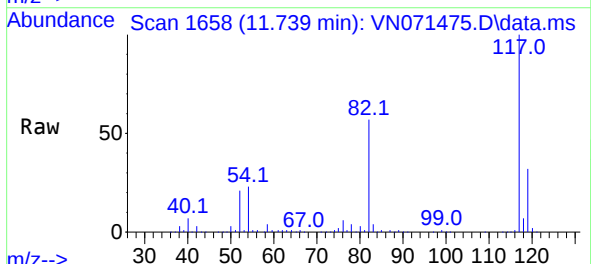
Instrument :  
MSVOA\_N  
ClientSampleId :

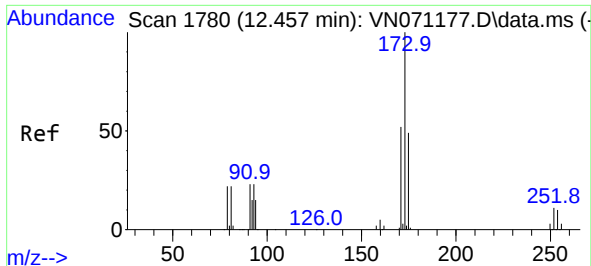
Tgt Ion: 95 Resp: 569556  
Ion Ratio Lower Upper  
95 100  
174 78.6 0.0 187.2  
176 74.9 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

Tgt Ion: 117 Resp: 1209798  
Ion Ratio Lower Upper  
117 100  
82 57.4 42.4 63.6  
119 31.7 25.4 38.2

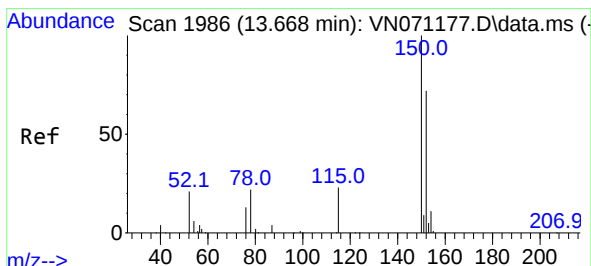
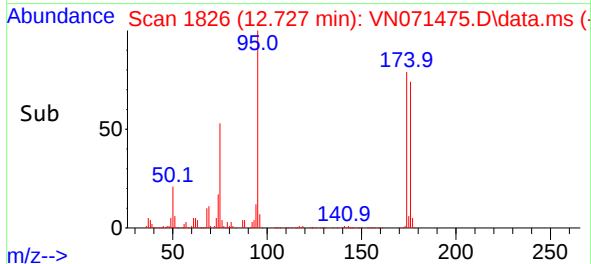
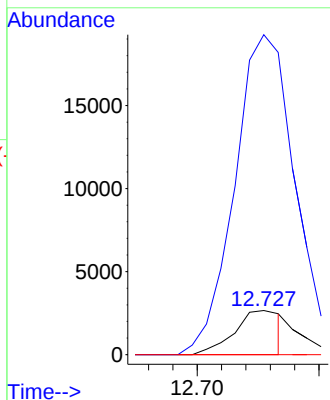
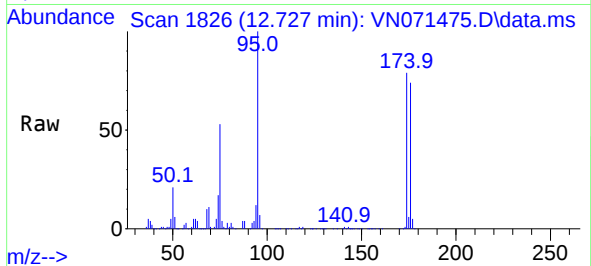




#71  
Bromoform  
Concen: 0.489 ug/l  
RT: 12.727 min Scan# 11  
Delta R.T. 0.270 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

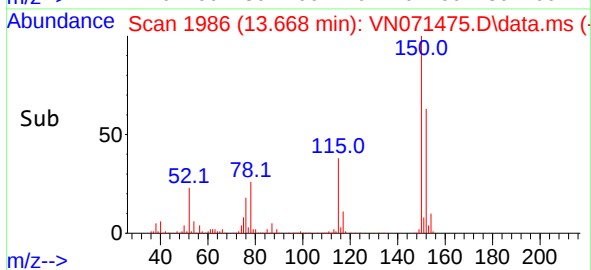
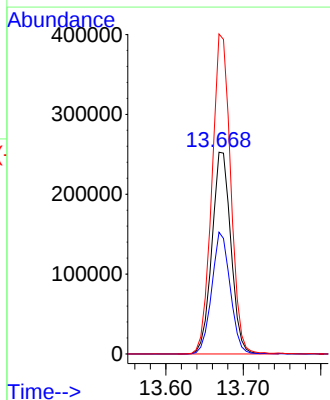
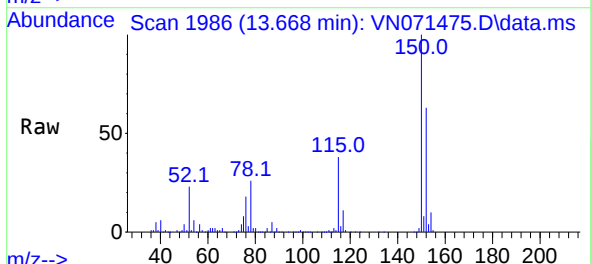
Instrument :  
MSVOA\_N  
ClientSampleId :

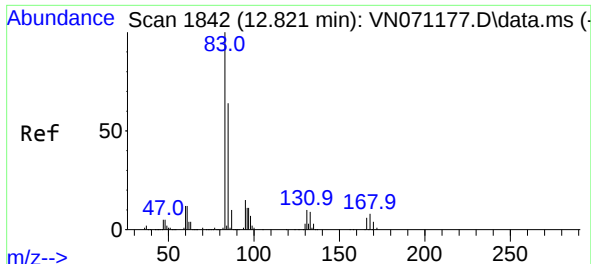
Tgt Ion:173 Resp: 3541  
Ion Ratio Lower Upper  
173 100  
175 727.3 24.2 72.6#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. 0.000 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

Tgt Ion:152 Resp: 429714  
Ion Ratio Lower Upper  
152 100  
115 58.6 27.5 82.5  
150 156.7 0.0 344.4

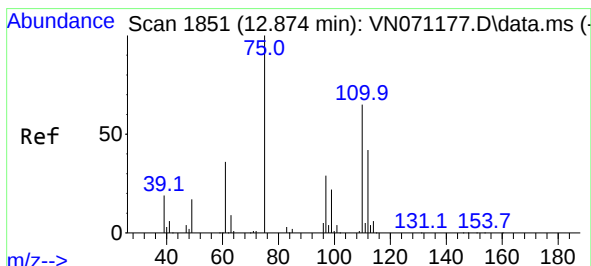
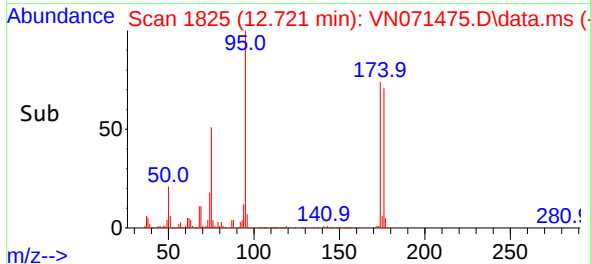
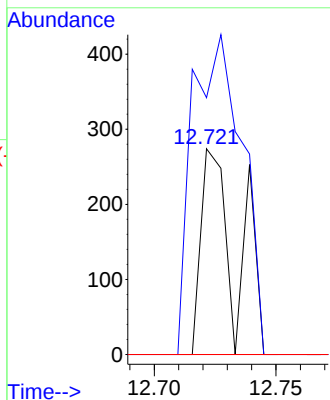
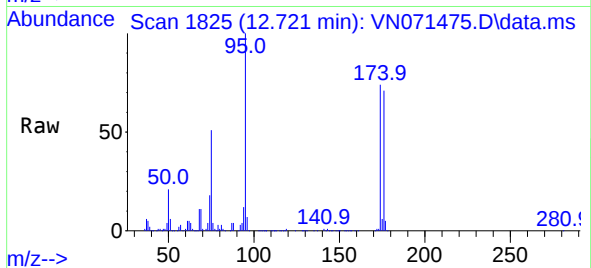




#75  
1,1,2,2-Tetrachloroethane  
Concen: Below Cal  
RT: 12.721 min Scan# 1842  
Delta R.T. -0.100 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

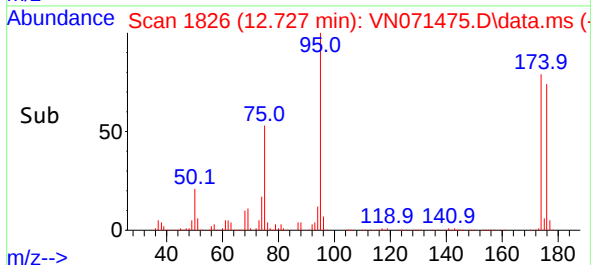
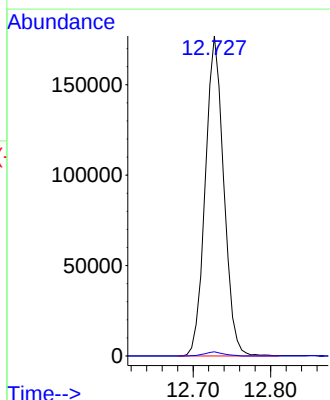
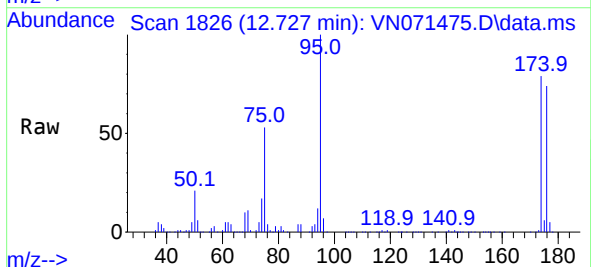
Instrument :  
MSVOA\_N  
ClientSampleId :

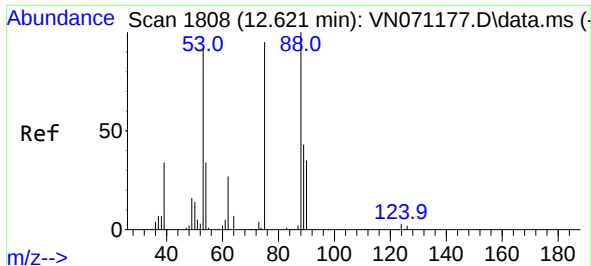
Tgt Ion: 83 Resp: 274  
Ion Ratio Lower Upper  
83 100  
131 220.4 5.5 16.5#  
85 0.0 32.4 97.2#



#76  
1,2,3-Trichloropropane  
Concen: 26.802 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.147 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

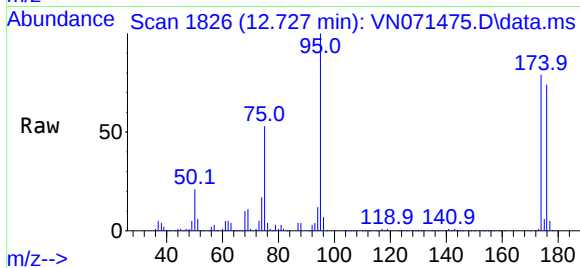
Tgt Ion: 75 Resp: 292771  
Ion Ratio Lower Upper  
75 100  
77 1.3 82.6 247.8#



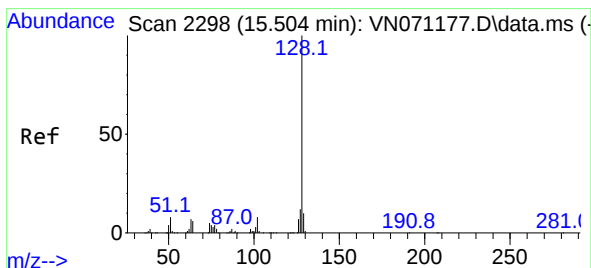
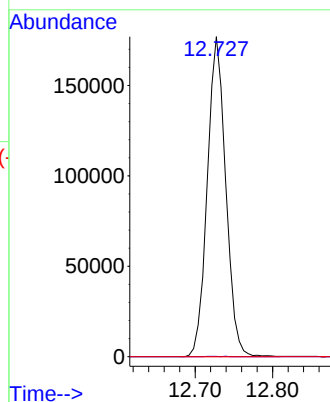
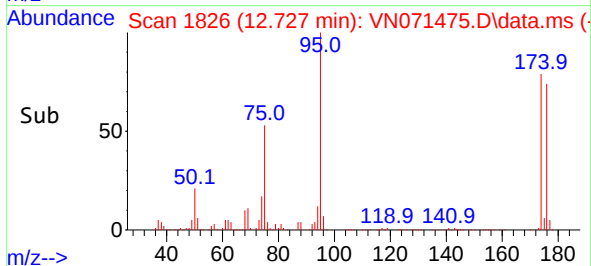


#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.650 ug/l  
RT: 12.727 min Scan# 11  
Delta R.T. 0.106 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33

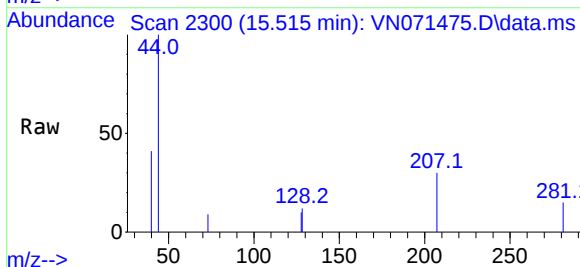
Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 75 Resp: 292771  
Ion Ratio Lower Upper  
75 100  
53 0.1 90.5 135.7#  
89 0.0 38.2 57.4#



#95  
Naphthalene  
Concen: 5.092 ug/l  
RT: 15.515 min Scan# 2300  
Delta R.T. 0.011 min  
Lab File: VN071475.D  
Acq: 22 Mar 2022 18:33



Tgt Ion: 128 Resp: 534  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.5 15.7#  
129 0.0 8.7 13.1#

