

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080122\  
 Data File : VN073665.D  
 Acq On : 01 Aug 2022 17:21  
 Operator : JC\MD  
 Sample : N3840-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FIELD-DUPLICATE-02

Quant Time: Aug 02 05:03:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 29 02:20:25 2022  
 Response via : Initial Calibration

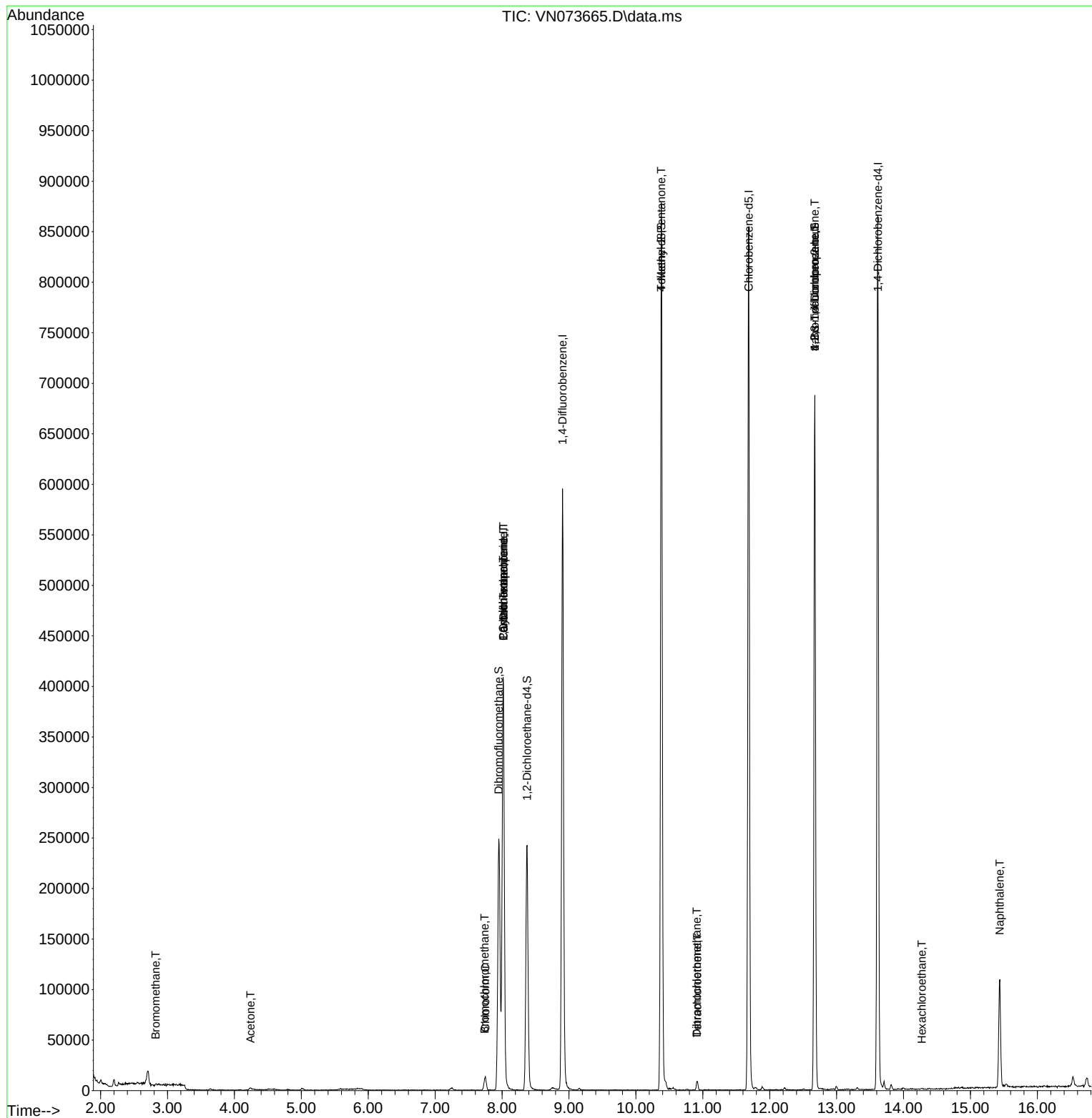
| Compound                      | R.T.   | QIon  | Response | Conc        | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-------------|------------|----------|
| -----                         |        |       |          |             |            |          |
| Internal Standards            |        |       |          |             |            |          |
| 1) Pentafluorobenzene         | 8.022  | 168   | 327365   | 50.000      | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.904  | 114   | 530827   | 50.000      | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.686 | 117   | 507648   | 50.000      | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.615 | 152   | 246118   | 50.000      | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |             |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.375  | 65    | 199760   | 50.072      | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery    | = 100.140% |          |
| 35) Dibromofluoromethane      | 7.951  | 113   | 187592   | 56.279      | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery    | = 112.560% |          |
| 50) Toluene-d8                | 10.380 | 98    | 615153   | 46.898      | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery    | = 93.800%  |          |
| 62) 4-Bromofluorobenzene      | 12.674 | 95    | 222673   | 50.679      | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery    | = 101.360% |          |
| Target Compounds              |        |       |          |             |            |          |
|                               |        |       |          |             | Qvalue     |          |
| 3) Chloromethane              | 2.269  | 50    | 1189     | Below Cal   |            | 91       |
| 5) Bromomethane               | 2.822  | 94    | 1035     | 0.321 ug/l  | #          | 48       |
| 6) Chloroethane               | 2.951  | 64    | 395      | Below Cal   | #          | 42       |
| 16) Acetone                   | 4.240  | 43    | 4611     | 2.152 ug/l  |            | 100      |
| 20) Methylene Chloride        | 5.004  | 84    | 1068     | Below Cal   | #          | 45       |
| 28) Bromochloromethane        | 7.739  | 49    | 875      | 0.316 ug/l  | #          | 8        |
| 30) Chloroform                | 7.751  | 83    | 12658    | 1.843 ug/l  |            | 96       |
| 31) Cyclohexane               | 8.016  | 56    | 6603     | 1.112 ug/l  | #          | 1        |
| 36) 1,1-Dichloropropene       | 8.022  | 75    | 23200    | 4.883 ug/l  | #          | 48       |
| 38) Carbon Tetrachloride      | 8.022  | 117   | 31517    | 6.532 ug/l  | #          | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.380 | 43    | 2435     | 0.402 ug/l  | #          | 1        |
| 60) Dibromochloromethane      | 10.910 | 129   | 2087     | 0.534 ug/l  | #          | 11       |
| 64) Tetrachloroethene         | 10.916 | 164   | 2037     | 0.505 ug/l  |            | 91       |
| 76) 1,2,3-Trichloropropane    | 12.674 | 75    | 116240   | 24.112 ug/l | #          | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.674 | 75    | 116240   | 61.206 ug/l | #          | 11       |
| 90) Hexachloroethane          | 14.274 | 117   | 638      | 0.225 ug/l  | #          | 9        |
| 95) Naphthalene               | 15.439 | 128   | 102889   | 7.357 ug/l  |            | 99       |
| -----                         |        |       |          |             |            |          |

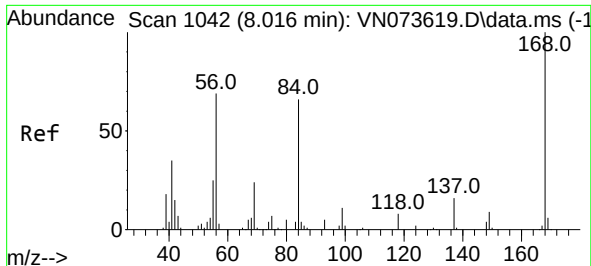
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080122\  
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Instrument :  
MSVOA\_N  
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FIELD-DUPLICATE-02

Quant Time: Aug 02 05:03:37 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 29 02:20:25 2022  
Response via : Initial Calibration

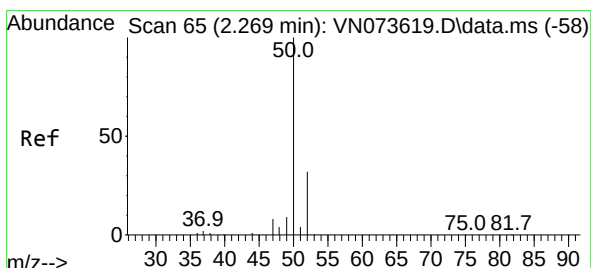
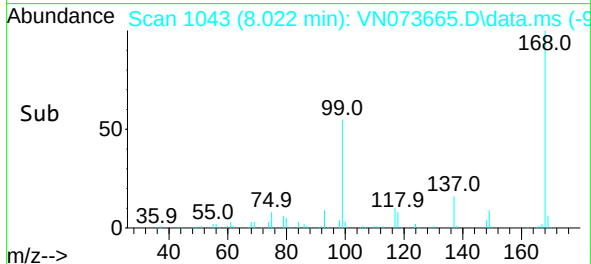
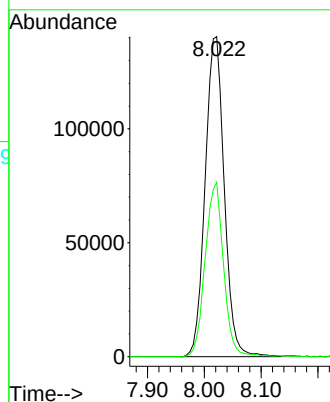
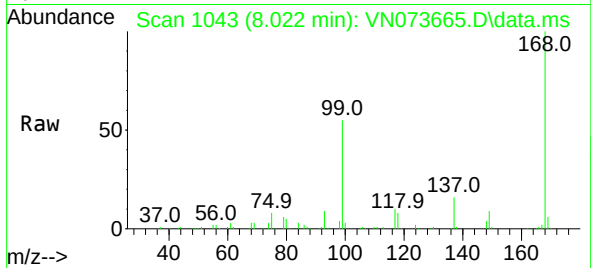




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.022 min Scan# 1043  
Delta R.T. 0.006 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

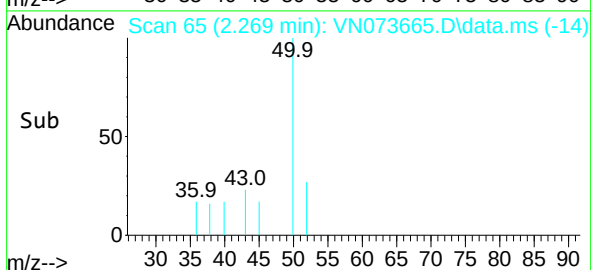
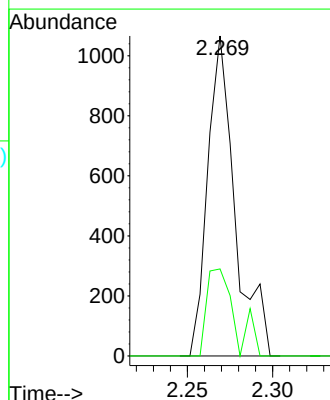
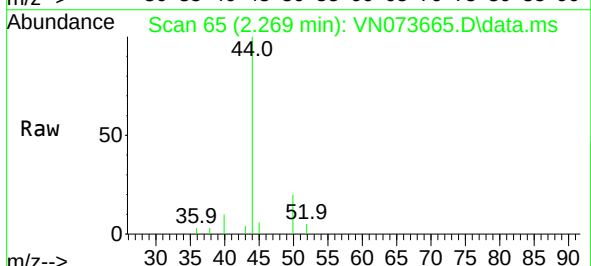
Instrument :  
MSVOA\_N  
ClientSampleId :  
FIELD-DUPLICATE-02

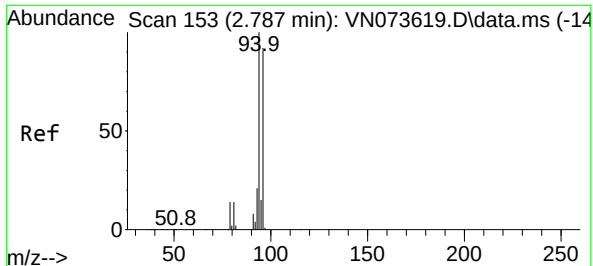
Tgt Ion:168 Resp: 327365  
Ion Ratio Lower Upper  
168 100  
99 54.5 42.3 63.5



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.269 min Scan# 65  
Delta R.T. 0.000 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

Tgt Ion: 50 Resp: 1189  
Ion Ratio Lower Upper  
50 100  
52 27.2 25.7 38.5

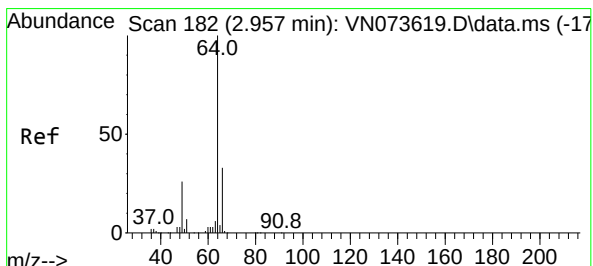
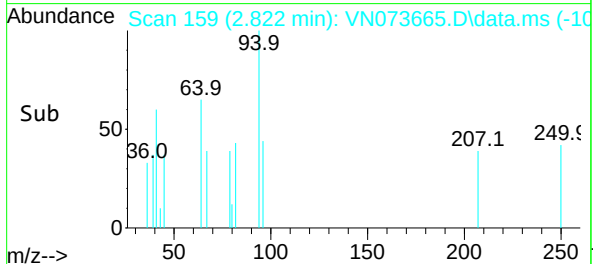
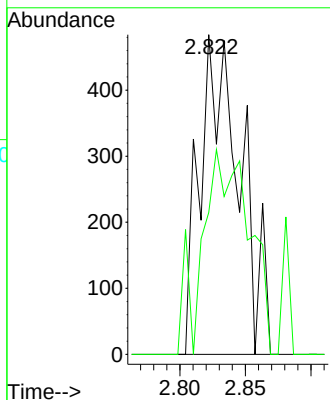
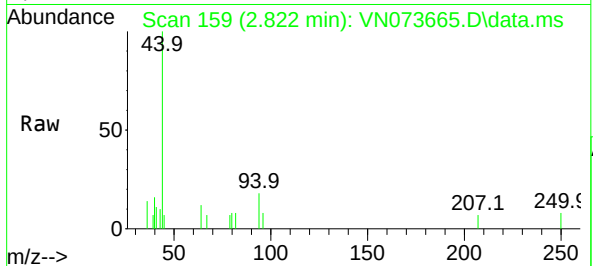




#5  
Bromomethane  
Concen: 0.321 ug/l  
RT: 2.822 min Scan# 11  
Delta R.T. 0.035 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

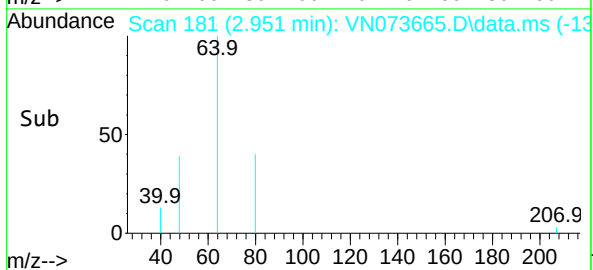
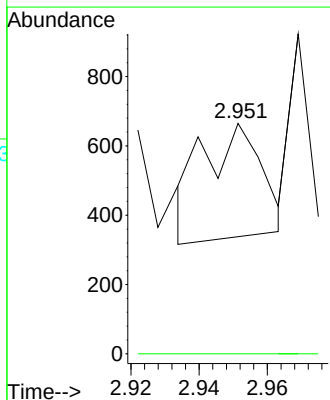
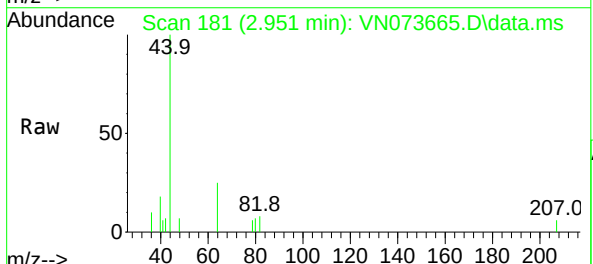
Instrument :  
MSVOA\_N  
ClientSampleId :  
FIELD-DUPLICATE-02

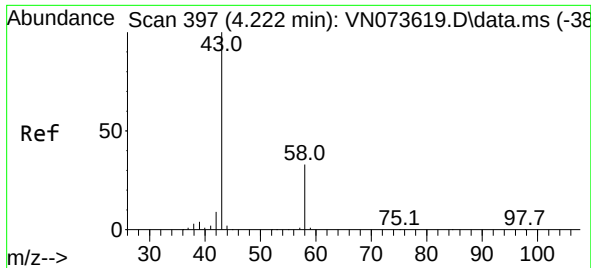
Tgt Ion: 94 Resp: 1035  
Ion Ratio Lower Upper  
94 100  
96 44.4 76.0 114.0#



#6  
Chloroethane  
Concen: Below Cal  
RT: 2.951 min Scan# 181  
Delta R.T. -0.006 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

Tgt Ion: 64 Resp: 395  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#





#16

Acetone

Concen: 2.152 ug/l

RT: 4.240 min Scan# 40

Delta R.T. 0.018 min

Lab File: VN073665.D

Acq: 01 Aug 2022 17:21

Instrument :

MSVOA\_N

ClientSampleId :

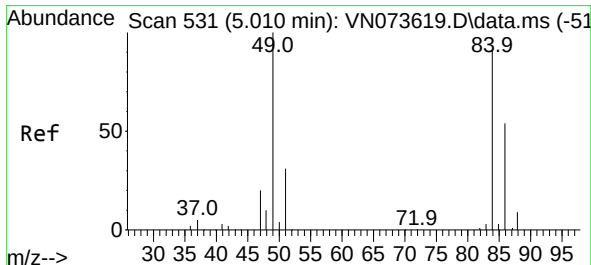
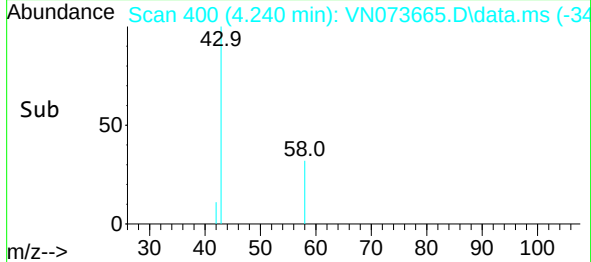
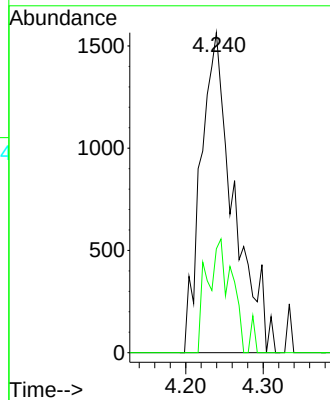
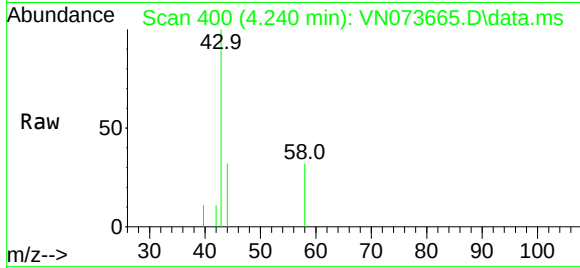
FIELD-DUPLICATE-02

Tgt Ion: 43 Resp: 4611

Ion Ratio Lower Upper

43 100

58 32.5 26.0 39.0



#20

Methylene Chloride

Concen: Below Cal

RT: 5.004 min Scan# 530

Delta R.T. -0.006 min

Lab File: VN073665.D

Acq: 01 Aug 2022 17:21

Tgt Ion: 84 Resp: 1068

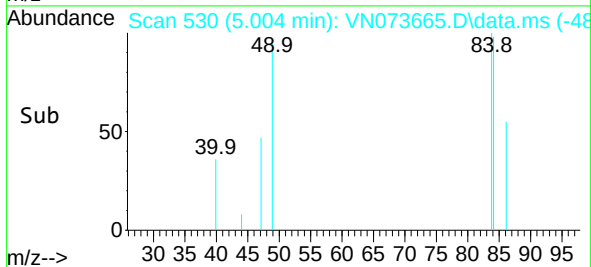
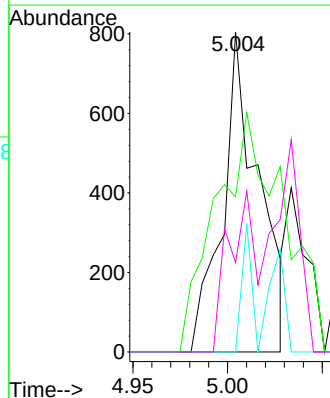
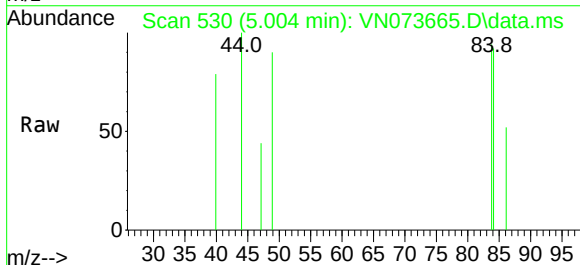
Ion Ratio Lower Upper

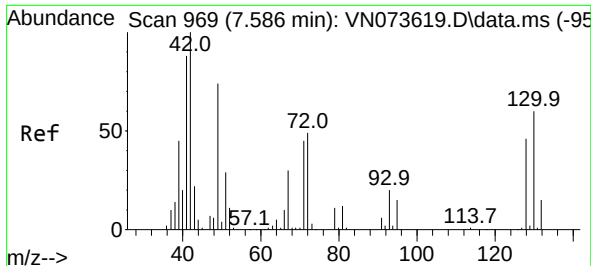
84 100

49 48.4 88.3 132.5#

51 0.0 28.2 42.2#

86 28.0 50.6 76.0#





#28

Bromochloromethane

Concen: 0.316 ug/l

RT: 7.739 min Scan# 995

Delta R.T. 0.153 min

Lab File: VN073665.D

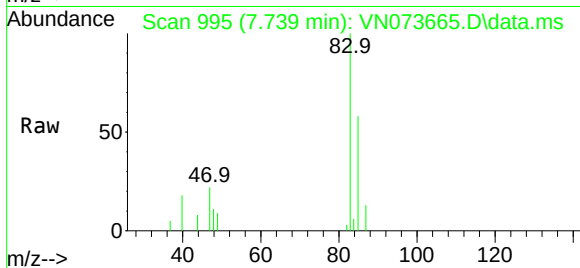
Acq: 01 Aug 2022 17:21

Instrument :

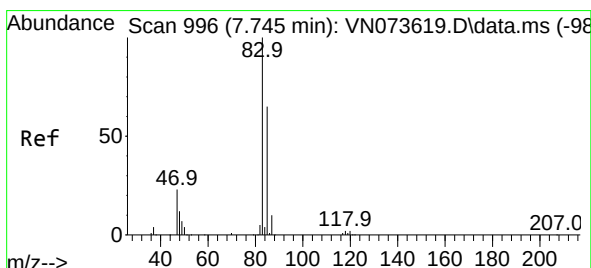
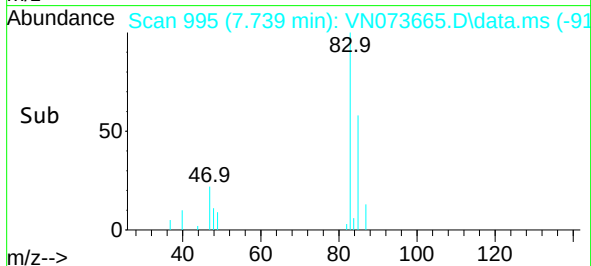
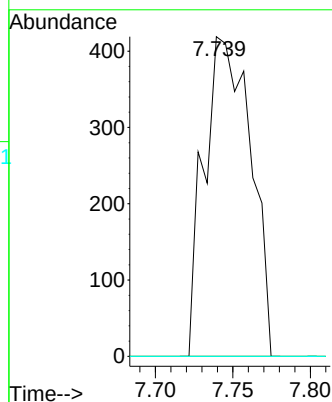
MSVOA\_N

ClientSampleId :

FIELD-DUPLICATE-02



|             |       |       |
|-------------|-------|-------|
| Tgt Ion: 49 | Resp: | 875   |
| Ion Ratio   | Lower | Upper |
| 49          | 100   |       |
| 129         | 0.0   | 4.6   |
| 130         | 0.0   | 104.5 |



#30

Chloroform

Concen: 1.843 ug/l

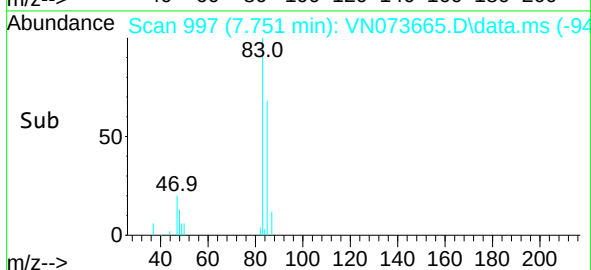
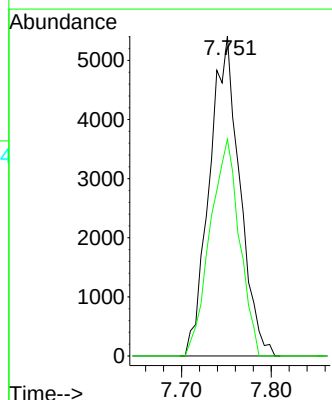
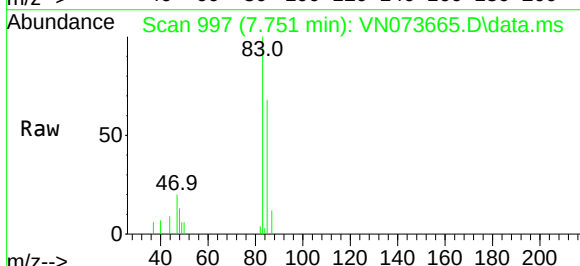
RT: 7.751 min Scan# 997

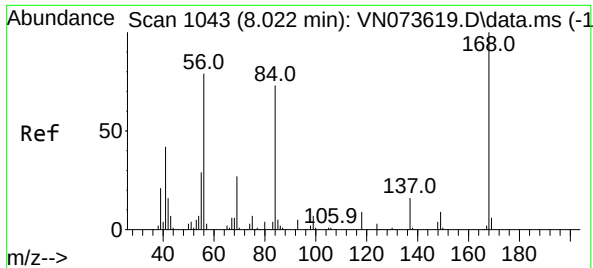
Delta R.T. 0.006 min

Lab File: VN073665.D

Acq: 01 Aug 2022 17:21

|             |       |       |
|-------------|-------|-------|
| Tgt Ion: 83 | Resp: | 12658 |
| Ion Ratio   | Lower | Upper |
| 83          | 100   |       |
| 85          | 67.7  | 77.8  |

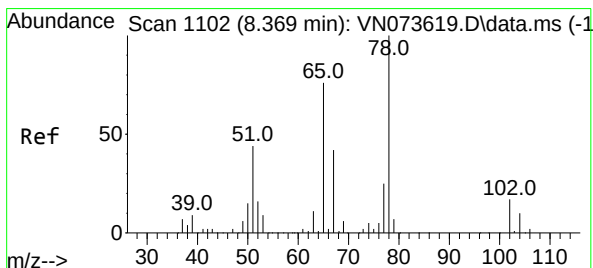
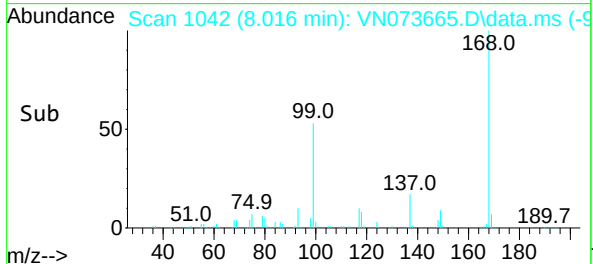
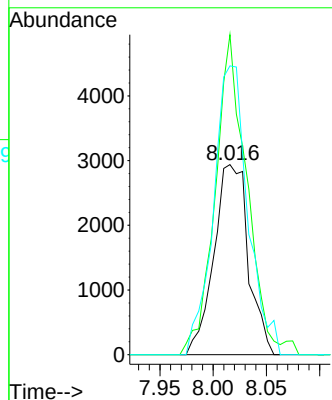
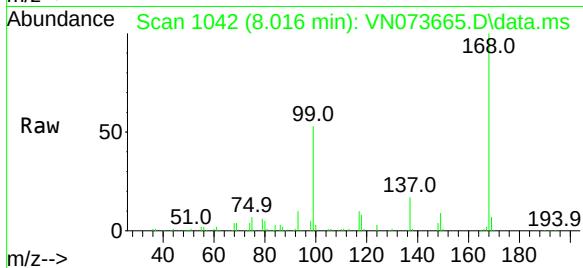




#31  
Cyclohexane  
Concen: 1.112 ug/l  
RT: 8.016 min Scan# 1103  
Delta R.T. -0.006 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

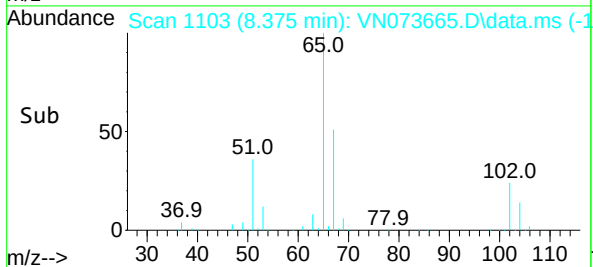
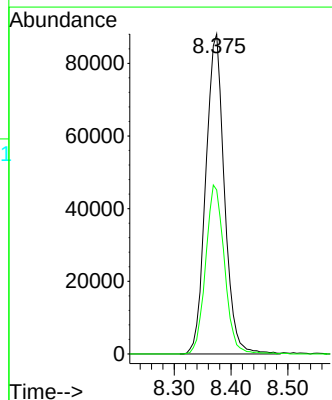
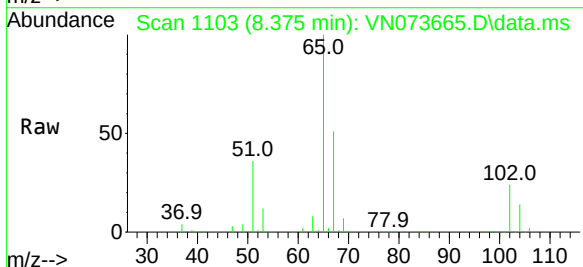
Instrument :  
MSVOA\_N  
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FIELD-DUPLICATE-02

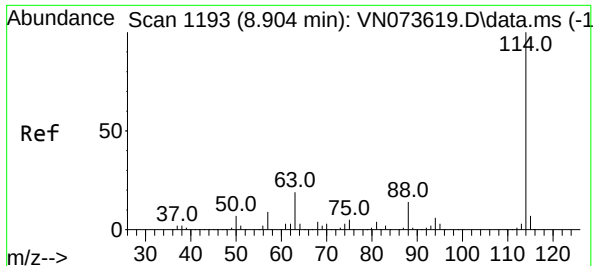
Tgt Ion: 56 Resp: 6603  
Ion Ratio Lower Upper  
56 100  
69 168.4 27.8 41.8#  
84 152.0 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 50.072 ug/l  
RT: 8.375 min Scan# 1103  
Delta R.T. 0.006 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

Tgt Ion: 65 Resp: 199760  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073665.D

Acq: 01 Aug 2022 17:21

Instrument :

MSVOA\_N

ClientSampleId :

FIELD-DUPLICATE-02

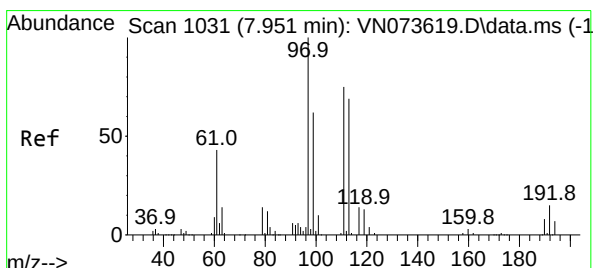
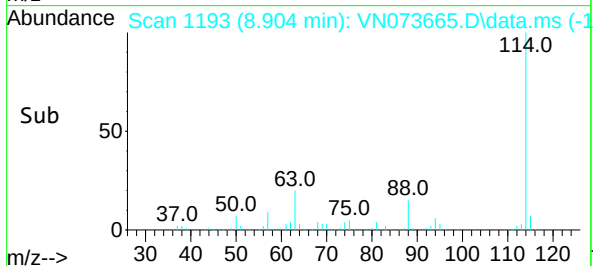
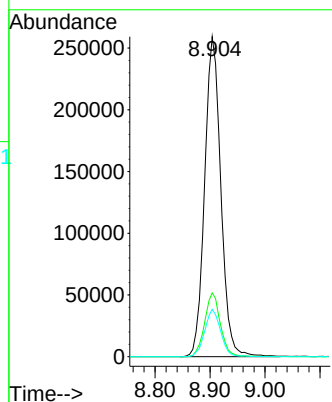
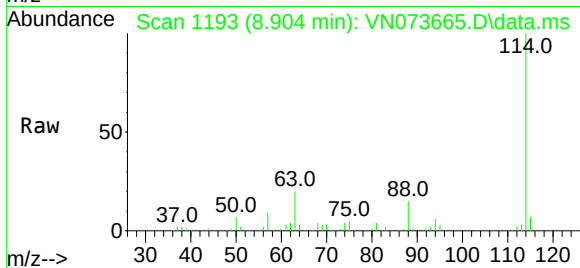
Tgt Ion:114 Resp: 530827

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.279 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073665.D

Acq: 01 Aug 2022 17:21

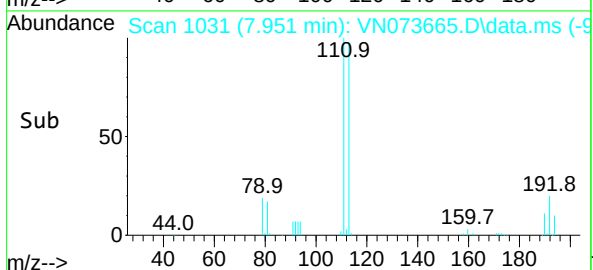
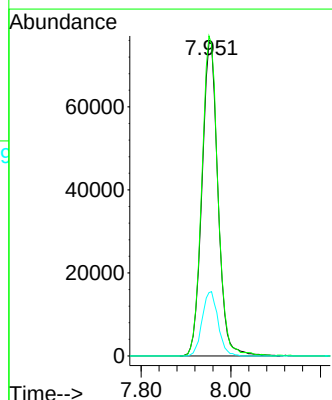
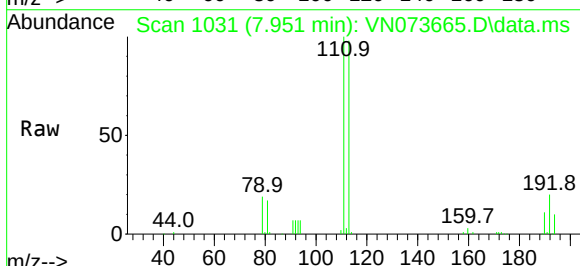
Tgt Ion:113 Resp: 187592

Ion Ratio Lower Upper

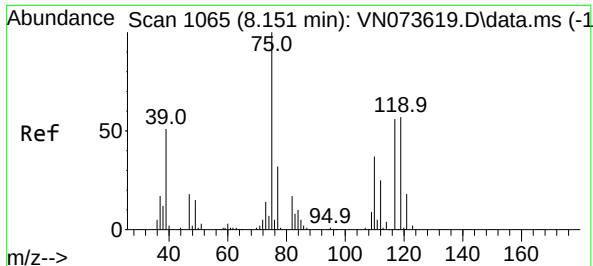
113 100

111 102.2 81.4 122.0

192 20.3 17.0 25.6



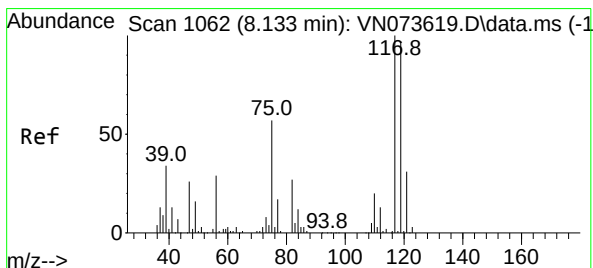
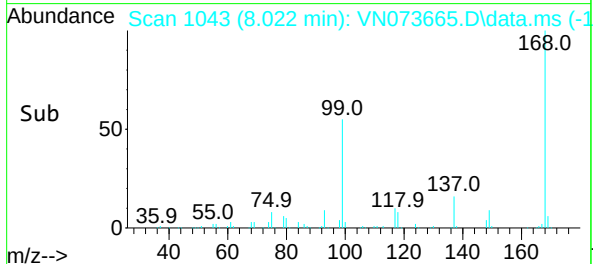
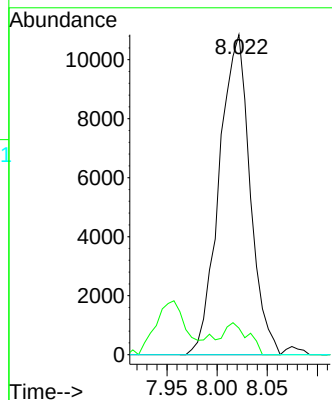
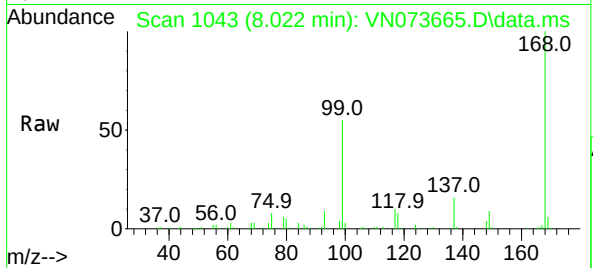




#36  
1,1-Dichloropropene  
Concen: 4.883 ug/l  
RT: 8.022 min Scan# 1043  
Delta R.T. -0.129 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

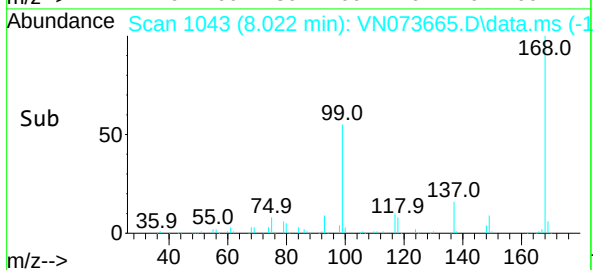
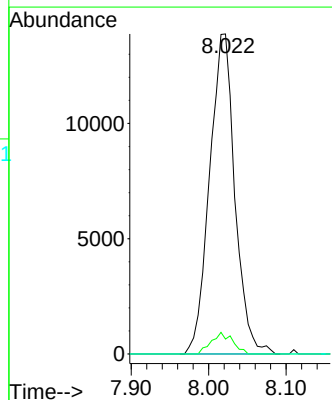
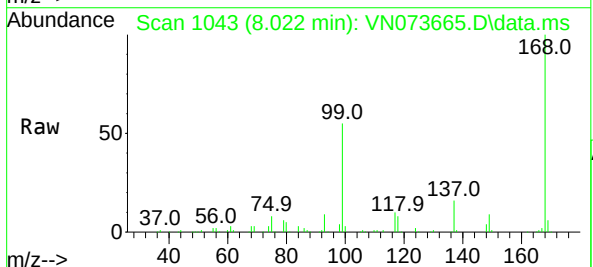
Instrument :  
MSVOA\_N  
ClientSampleId :  
FIELD-DUPLICATE-02

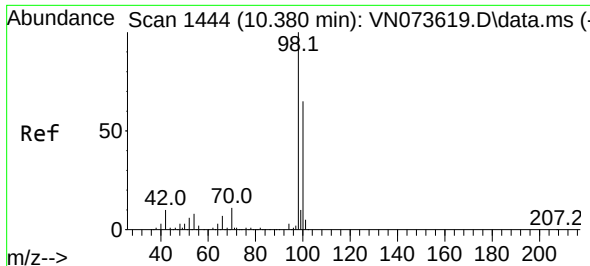
Tgt Ion: 75 Resp: 23200  
Ion Ratio Lower Upper  
75 100  
110 8.0 18.3 54.8#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 6.532 ug/l  
RT: 8.022 min Scan# 1043  
Delta R.T. -0.112 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

Tgt Ion: 117 Resp: 31517  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.8 113.8#  
121 0.0 24.6 37.0#

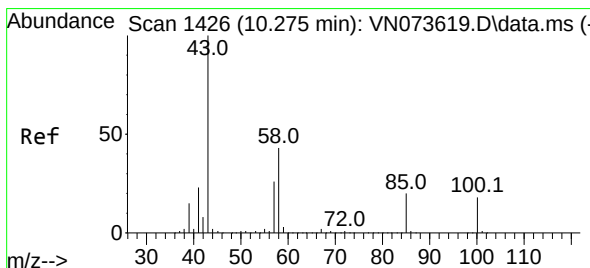
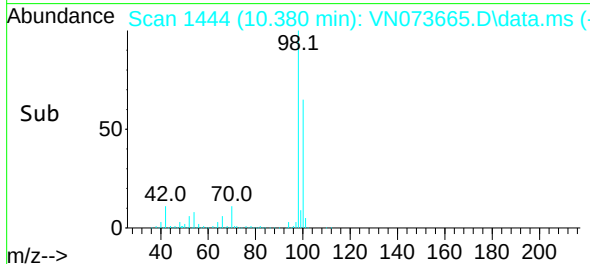
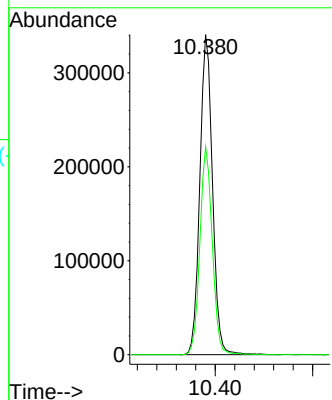
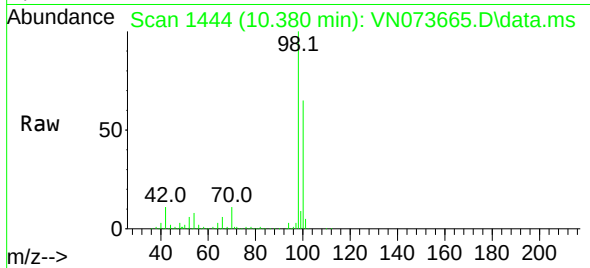




#50  
Toluene-d8  
Concen: 46.898 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

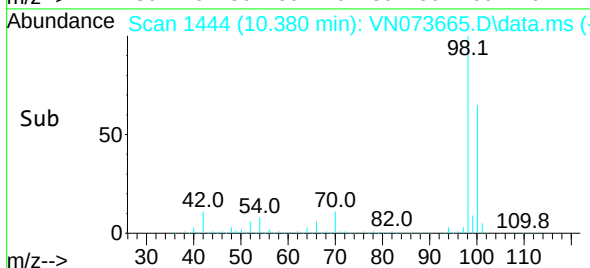
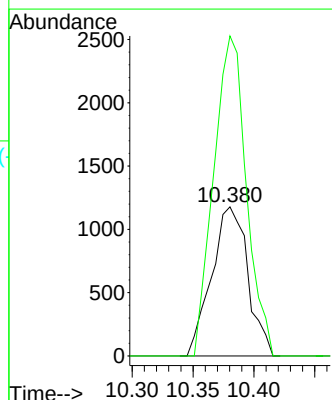
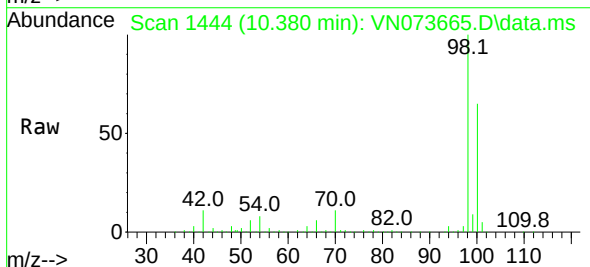
Instrument :  
MSVOA\_N  
ClientSampleId :  
FIELD-DUPLICATE-02

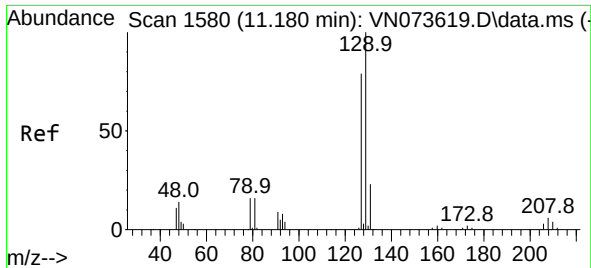
Tgt Ion: 98 Resp: 615153  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.402 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.105 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

Tgt Ion: 43 Resp: 2435  
Ion Ratio Lower Upper  
43 100  
58 193.9 34.1 51.1#

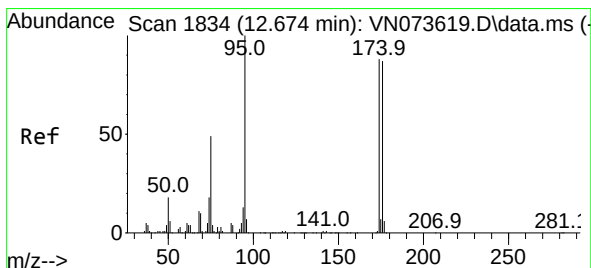
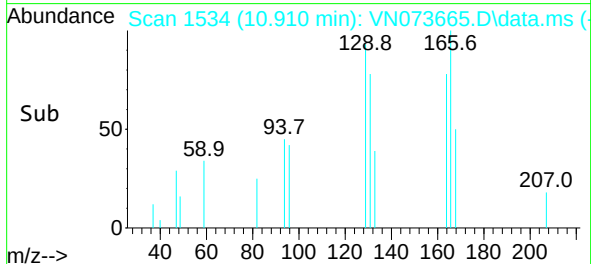
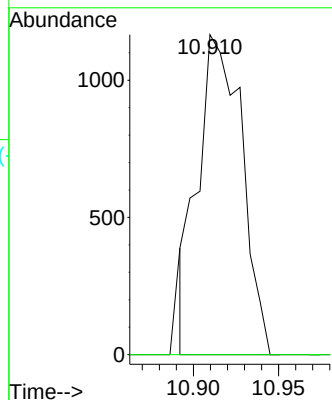
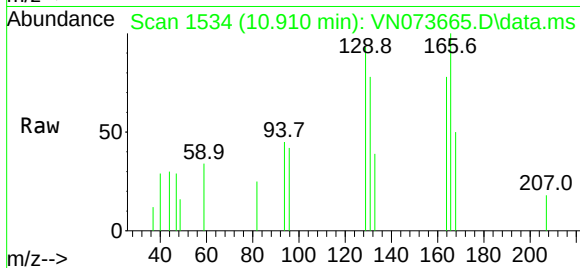




#60  
Dibromochloromethane  
Concen: 0.534 ug/l  
RT: 10.910 min Scan# 11  
Delta R.T. -0.271 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

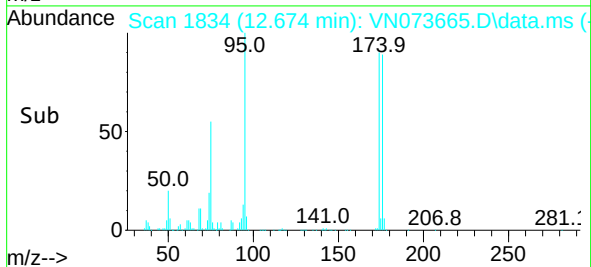
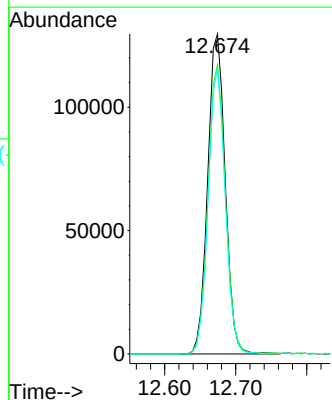
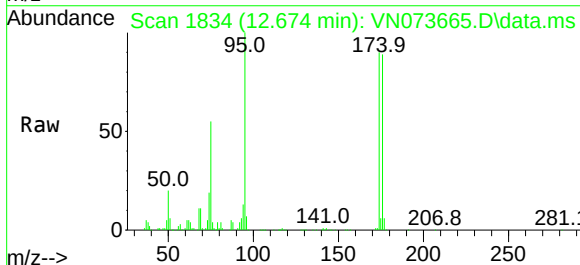
Instrument :  
MSVOA\_N  
ClientSampleId :  
FIELD-DUPLICATE-02

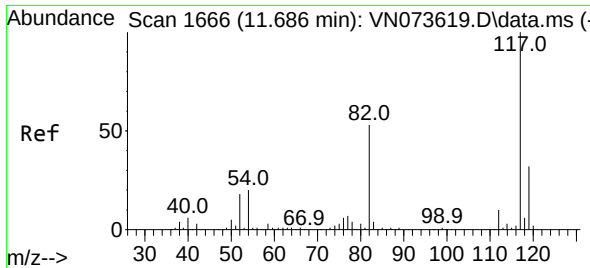
Tgt Ion:129 Resp: 2087  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#



#62  
4-Bromofluorobenzene  
Concen: 50.679 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

Tgt Ion: 95 Resp: 222673  
Ion Ratio Lower Upper  
95 100  
174 90.0 0.0 167.6  
176 86.6 0.0 163.4

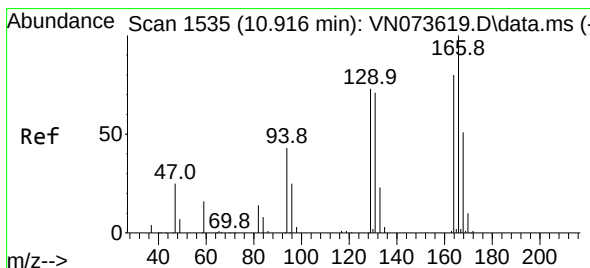
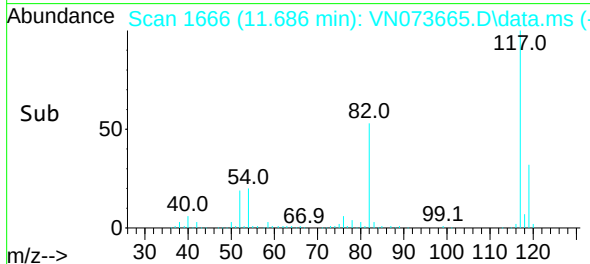
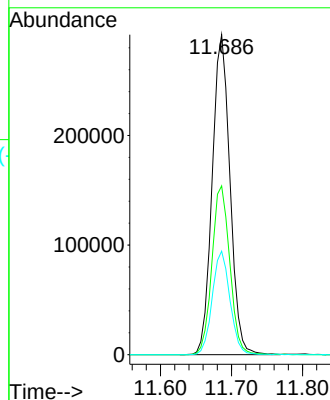
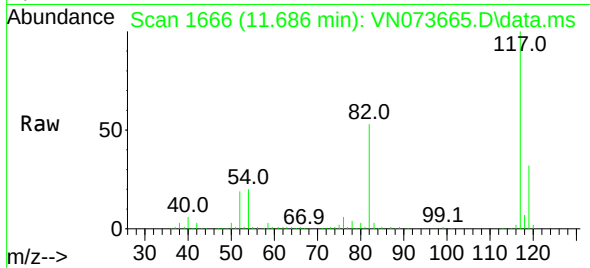




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

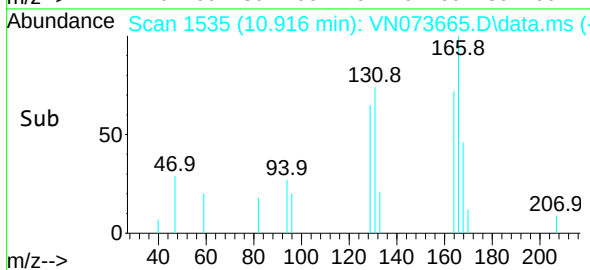
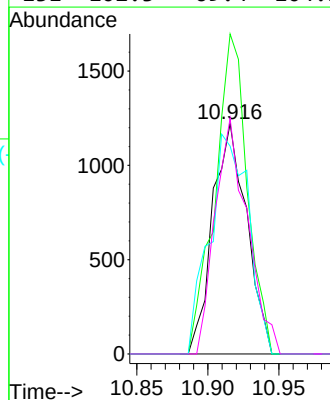
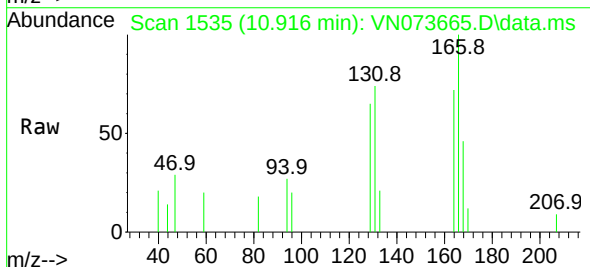
Instrument :  
MSVOA\_N  
ClientSampleId :  
FIELD-DUPLICATE-02

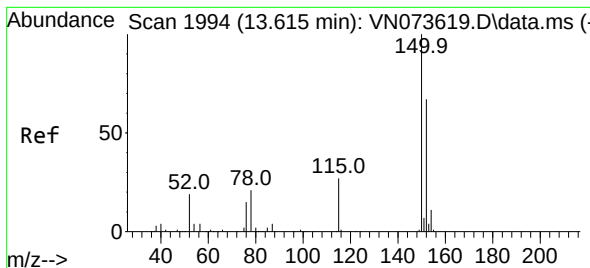
Tgt Ion:117 Resp: 507648  
Ion Ratio Lower Upper  
117 100  
82 52.7 44.2 66.2  
119 32.4 25.4 38.0



#64  
Tetrachloroethene  
Concen: 0.505 ug/l  
RT: 10.916 min Scan# 1535  
Delta R.T. -0.000 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

Tgt Ion:164 Resp: 2037  
Ion Ratio Lower Upper  
164 100  
166 138.9 104.2 156.2  
129 90.2 73.9 110.9  
131 102.3 69.4 104.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VN073665.D

Acq: 01 Aug 2022 17:21

Instrument :

MSVOA\_N

ClientSampleId :

FIELD-DUPLICATE-02

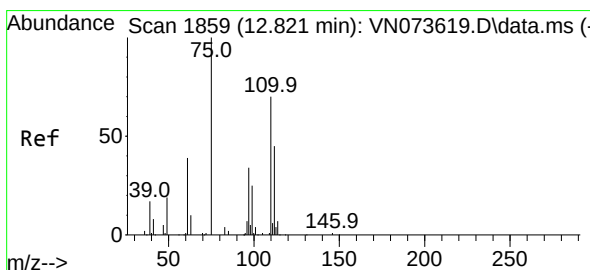
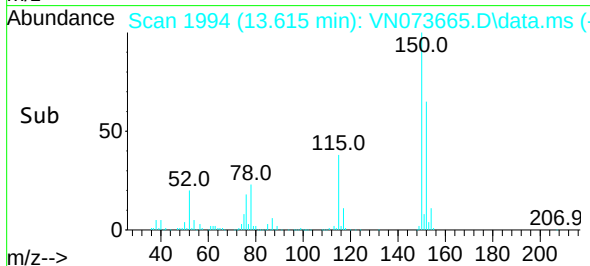
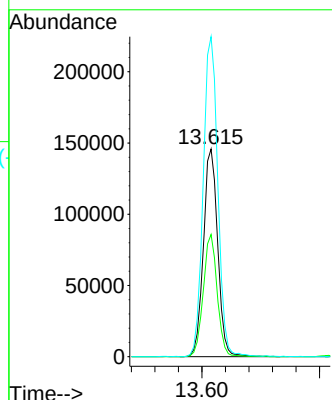
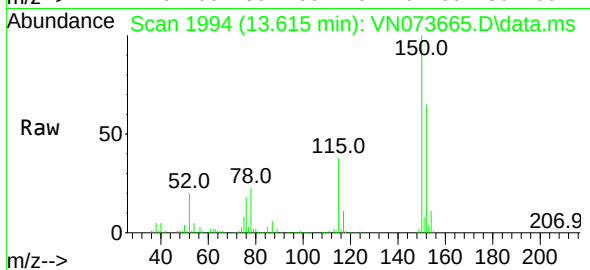
Tgt Ion:152 Resp: 246118

Ion Ratio Lower Upper

152 100

115 57.2 28.9 86.7

150 157.3 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 24.112 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. -0.147 min

Lab File: VN073665.D

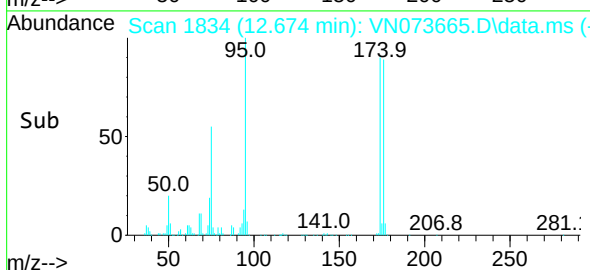
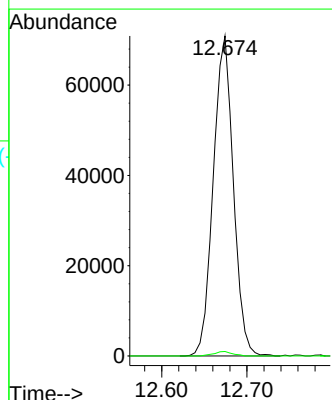
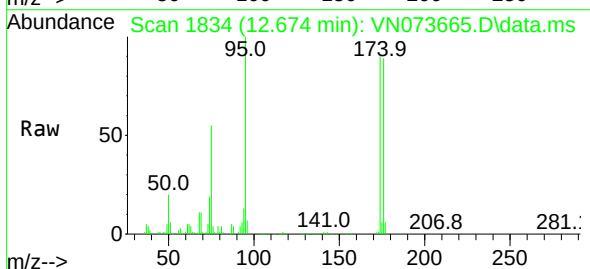
Acq: 01 Aug 2022 17:21

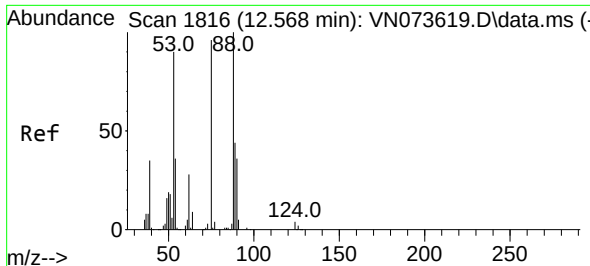
Tgt Ion: 75 Resp: 116240

Ion Ratio Lower Upper

75 100

77 1.3 98.5 295.5#

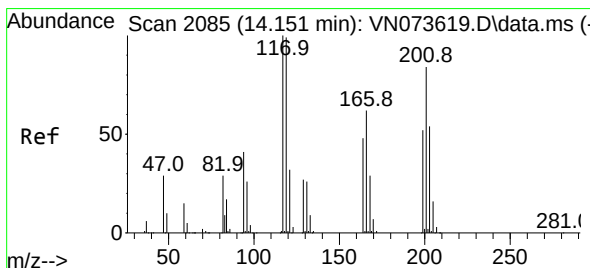
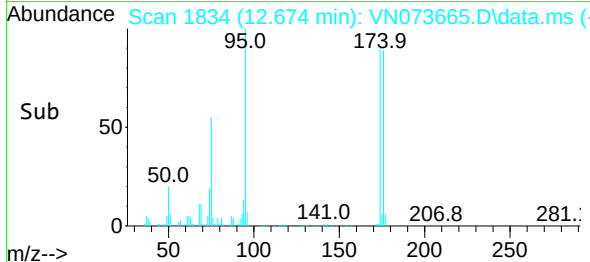
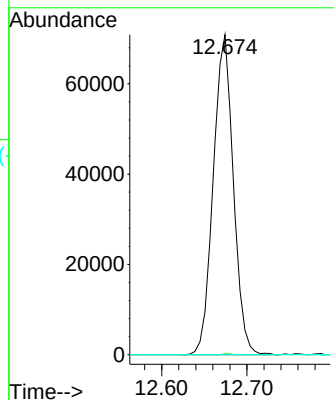
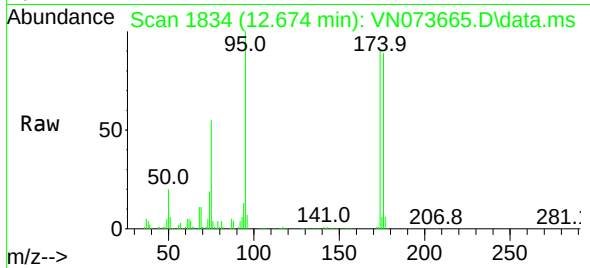




#81  
trans-1,4-Dichloro-2-butene  
Concen: 61.206 ug/l  
RT: 12.674 min Scan# 11  
Delta R.T. 0.106 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

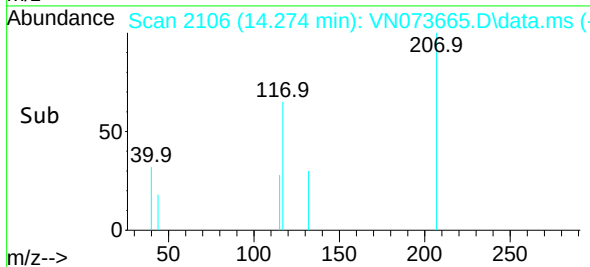
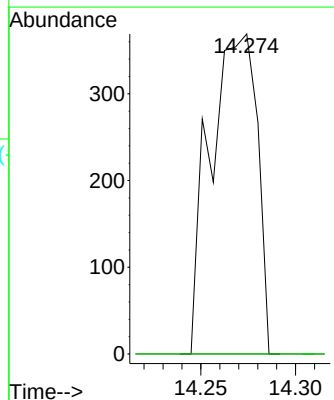
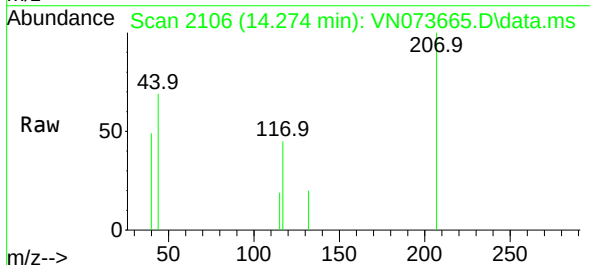
Instrument :  
MSVOA\_N  
ClientSampleId :  
FIELD-DUPLICATE-02

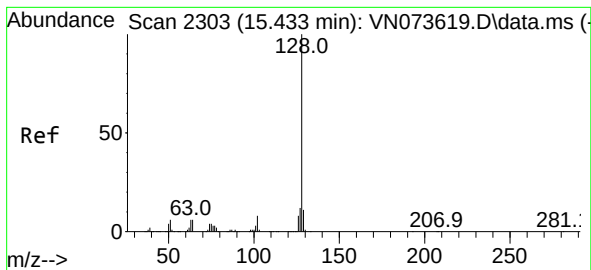
Tgt Ion: 75 Resp: 116240  
Ion Ratio Lower Upper  
75 100  
53 0.1 78.0 117.0#  
89 0.0 37.2 55.8#



#90  
Hexachloroethane  
Concen: 0.225 ug/l  
RT: 14.274 min Scan# 2106  
Delta R.T. 0.123 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

Tgt Ion: 117 Resp: 638  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.6 122.0#





#95  
Naphthalene  
Concen: 7.357 ug/l  
RT: 15.439 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN073665.D  
Acq: 01 Aug 2022 17:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
FIELD-DUPLICATE-02

Tgt Ion:128 Resp: 102889  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.3 15.5  
129 10.6 8.6 13.0

