

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032822\  
 Data File : VN071620.D  
 Acq On : 28 Mar 2022 22:21  
 Operator : JC\MD  
 Sample : N2130-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-REF-4

Quant Time: Mar 29 09:51:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 29 09:32:37 2022  
 Response via : Initial Calibration

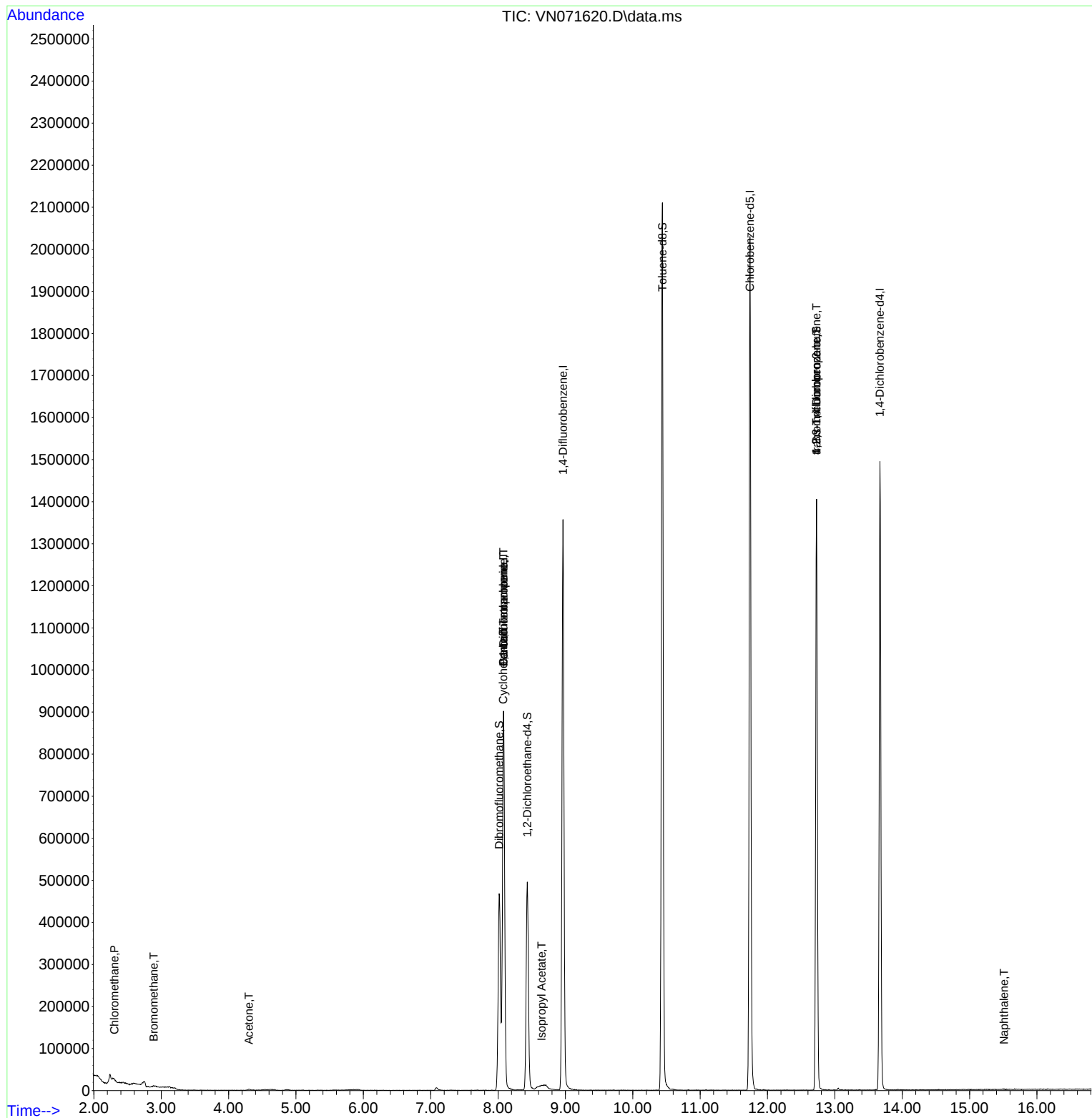
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.081          | 168  | 739657     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963          | 114  | 1239177    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739         | 117  | 1241260    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.669         | 152  | 434756     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.434          | 65   | 425014     | 47.923    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 95.840%   |        |          |
| 35) Dibromofluoromethane      | 8.016          | 113  | 352199     | 46.278    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 92.560%   |        |          |
| 50) Toluene-d8                | 10.439         | 98   | 1537260    | 48.970    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 97.940%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.727         | 95   | 496764     | 48.508    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 97.020%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      | Qvalue     |           |        |          |
| 3) Chloromethane              | 2.305          | 50   | 2372       | 0.278     | ug/l   | 99       |
| 5) Bromomethane               | 2.887          | 94   | 2135       | 0.384     | ug/l   | 83       |
| 6) Chloroethane               | 2.987          | 64   | 973        | Below Cal | #      | 42       |
| 16) Acetone                   | 4.299          | 43   | 2324       | 0.636     | ug/l # | 59       |
| 18) Methyl Acetate            | 4.857          | 43   | 4315       | Below Cal |        | 92       |
| 31) Cyclohexane               | 8.075          | 56   | 13531      | 1.093     | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 8.081          | 75   | 51508      | 4.708     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.081          | 117  | 67396      | 6.216     | ug/l # | 15       |
| 43) Isopropyl Acetate         | 8.645          | 43   | 19087      | 1.182     | ug/l # | 53       |
| 76) 1,2,3-Trichloropropane    | 12.727         | 75   | 244844     | 23.455    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727         | 75   | 244844     | 67.700    | ug/l # | 10       |
| 95) Naphthalene               | 15.510         | 128  | 1480       | 4.756     | ug/l # | 76       |
| -----                         |                |      |            |           |        |          |

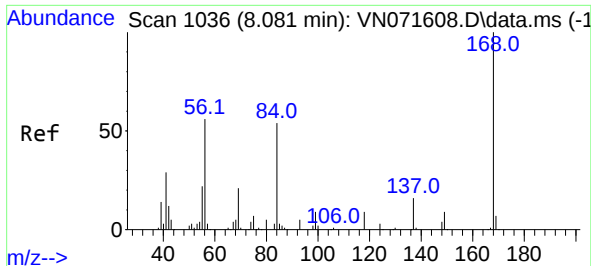
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032822\  
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Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-REF-4

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Quant Title : SW846 8260  
QLast Update : Tue Mar 29 09:32:37 2022  
Response via : Initial Calibration

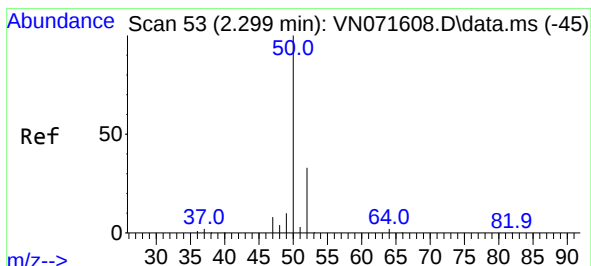
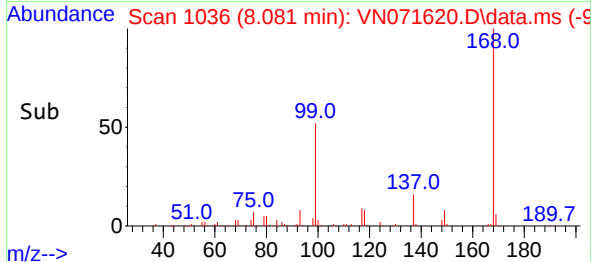
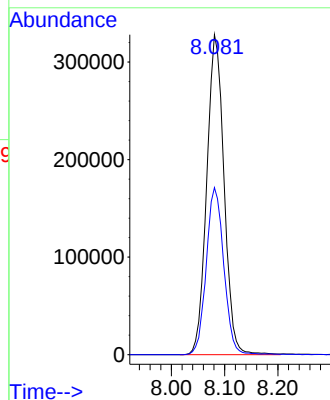
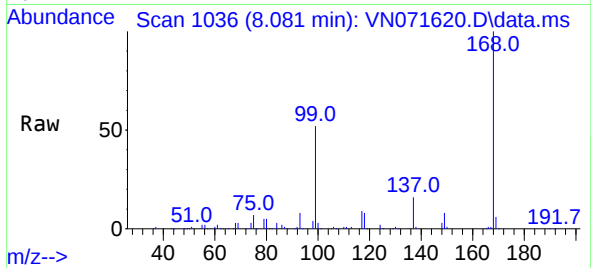




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

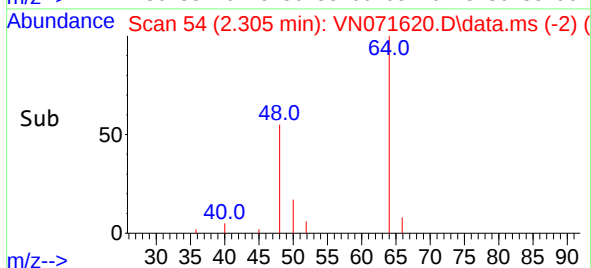
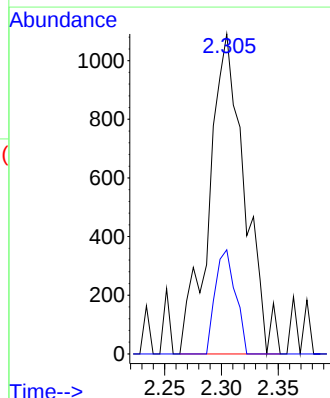
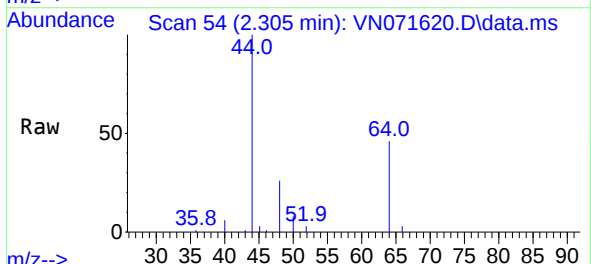
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-REF-4

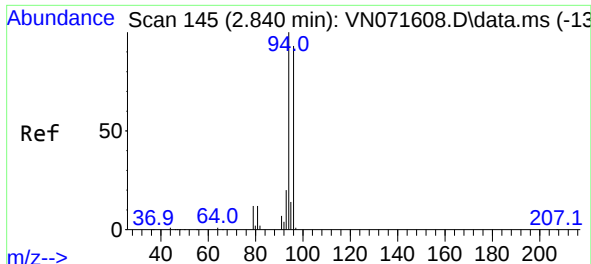
Tgt Ion:168 Resp: 739657  
Ion Ratio Lower Upper  
168 100  
99 52.2 42.3 63.5



#3  
Chloromethane  
Concen: 0.278 ug/l  
RT: 2.305 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

Tgt Ion: 50 Resp: 2372  
Ion Ratio Lower Upper  
50 100  
52 32.5 25.7 38.5

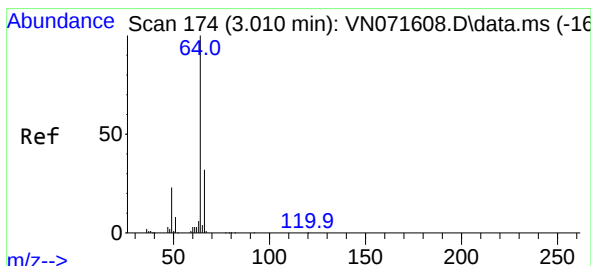
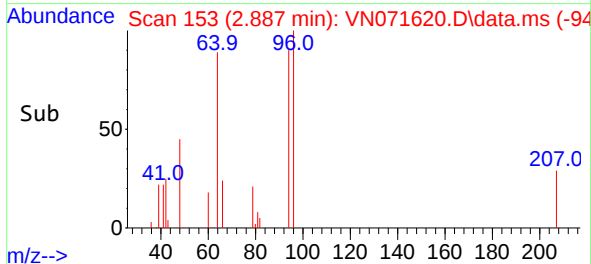
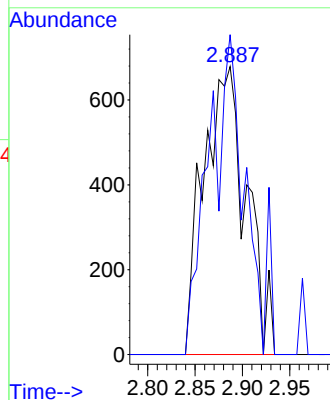
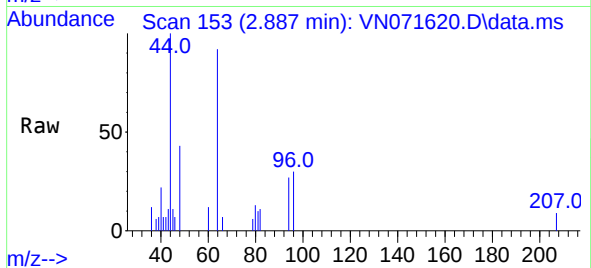




#5  
Bromomethane  
Concen: 0.384 ug/l  
RT: 2.887 min Scan# 11  
Delta R.T. 0.047 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

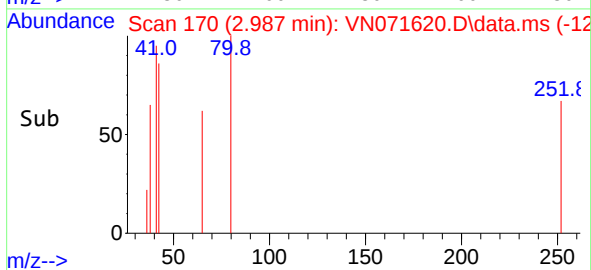
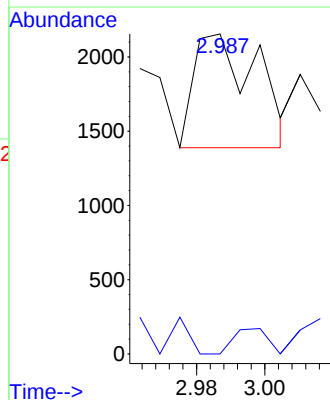
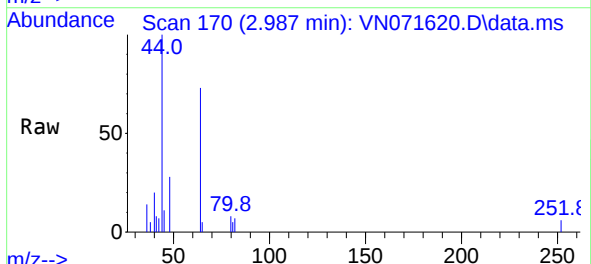
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-REF-4

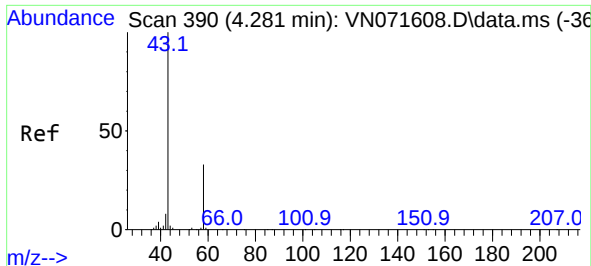
Tgt Ion: 94 Resp: 2135  
Ion Ratio Lower Upper  
94 100  
96 111.0 76.0 114.0



#6  
Chloroethane  
Concen: Below Cal  
RT: 2.987 min Scan# 170  
Delta R.T. -0.023 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

Tgt Ion: 64 Resp: 973  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#

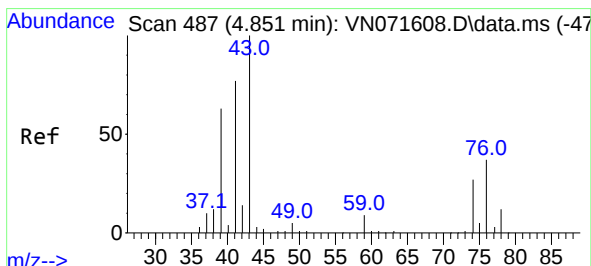
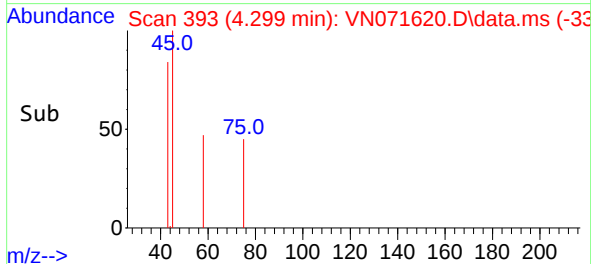
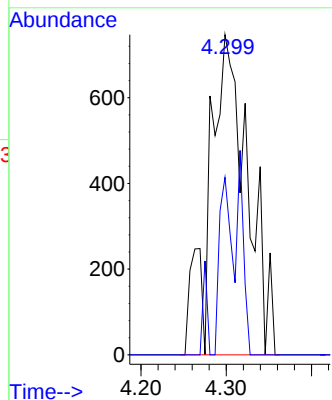
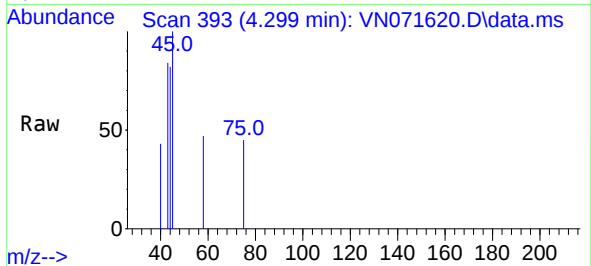




#16  
Acetone  
Concen: 0.636 ug/l  
RT: 4.299 min Scan# 393  
Delta R.T. 0.018 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

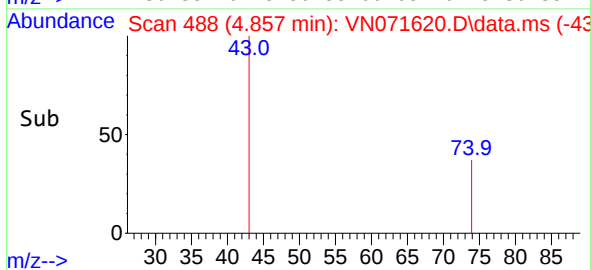
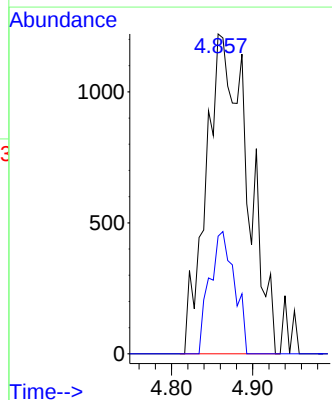
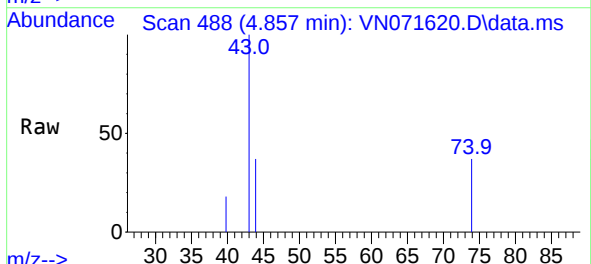
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-REF-4

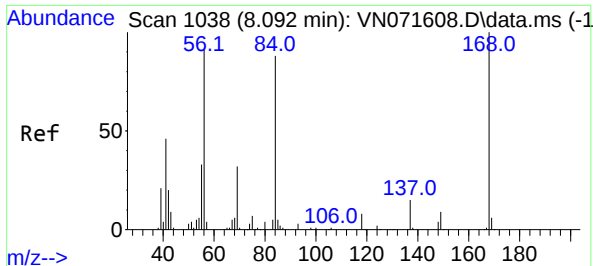
Tgt Ion: 43 Resp: 2324  
Ion Ratio Lower Upper  
43 100  
58 55.4 26.0 39.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.857 min Scan# 488  
Delta R.T. 0.006 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

Tgt Ion: 43 Resp: 4315  
Ion Ratio Lower Upper  
43 100  
74 22.9 21.6 32.4

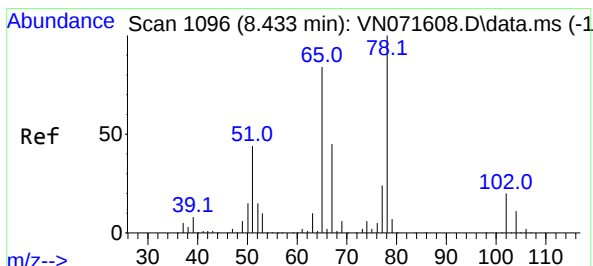
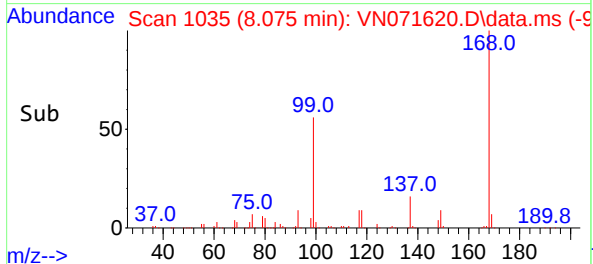
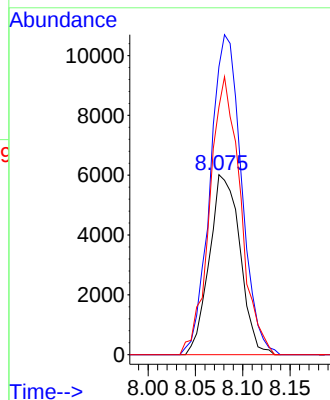
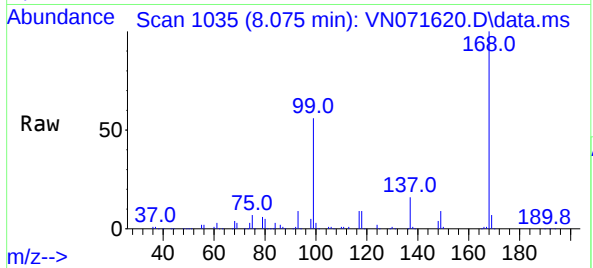




#31  
Cyclohexane  
Concen: 1.093 ug/l  
RT: 8.075 min Scan# 1035  
Delta R.T. -0.018 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

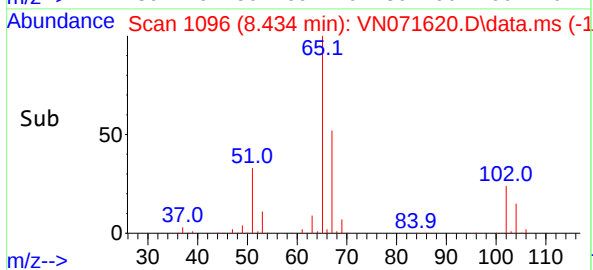
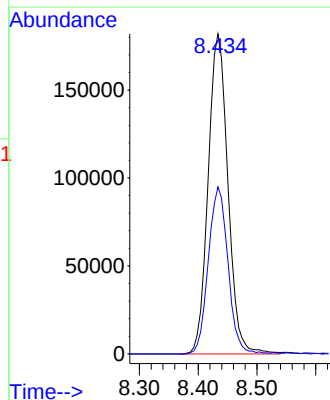
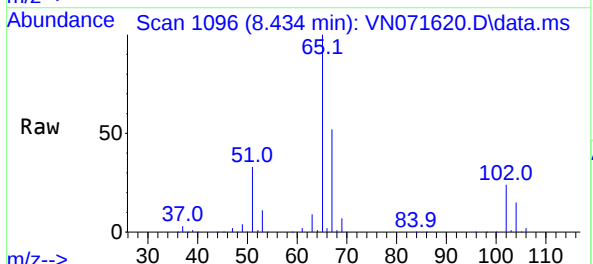
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-REF-4

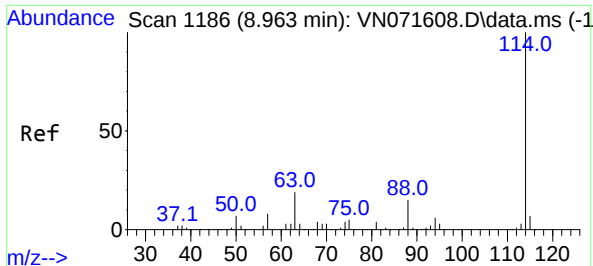
Tgt Ion: 56 Resp: 13531  
Ion Ratio Lower Upper  
56 100  
69 159.9 27.8 41.8#  
84 137.4 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 47.923 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. 0.000 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

Tgt Ion: 65 Resp: 425014  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071620.D

Acq: 28 Mar 2022 22:21

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-REF-4

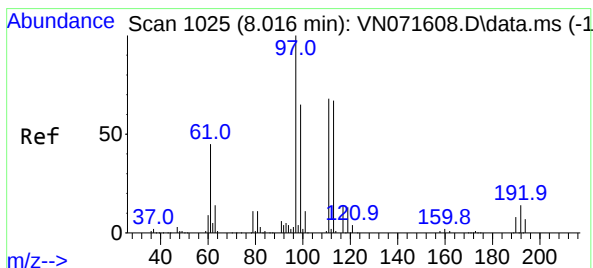
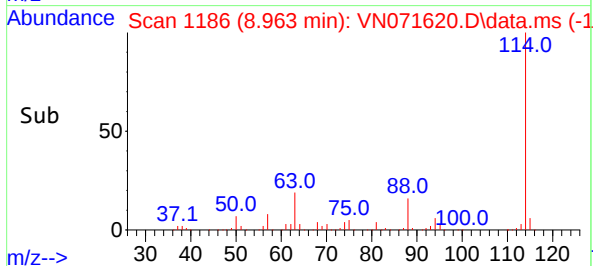
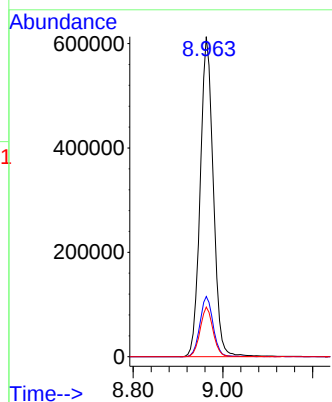
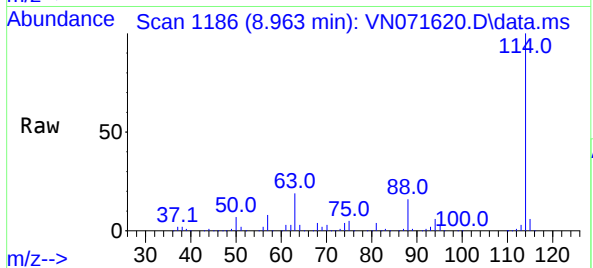
Tgt Ion:114 Resp: 1239177

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.278 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN071620.D

Acq: 28 Mar 2022 22:21

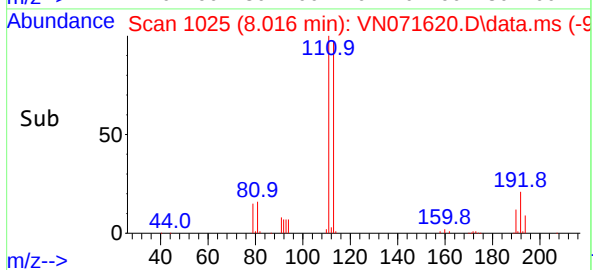
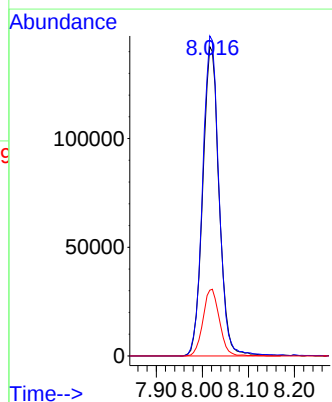
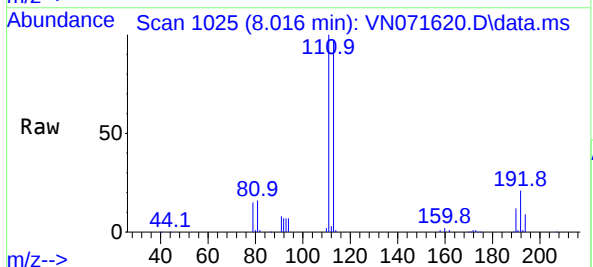
Tgt Ion:113 Resp: 352199

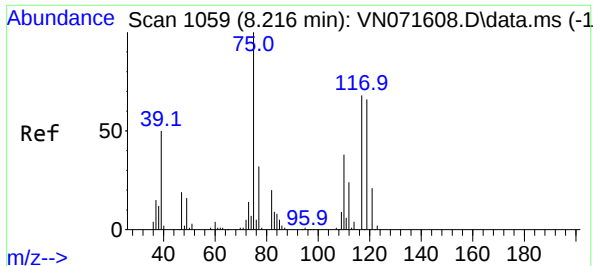
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 21.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.708 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071620.D

Acq: 28 Mar 2022 22:21

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-REF-4

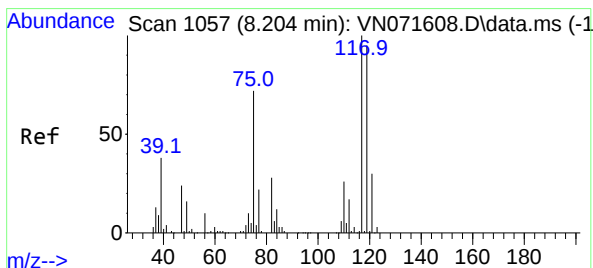
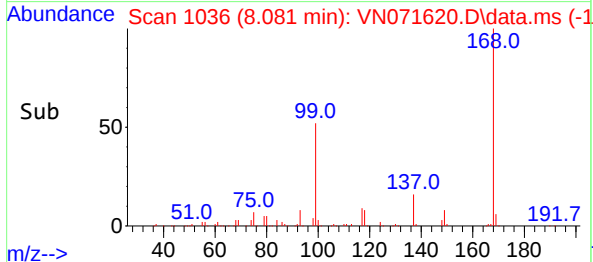
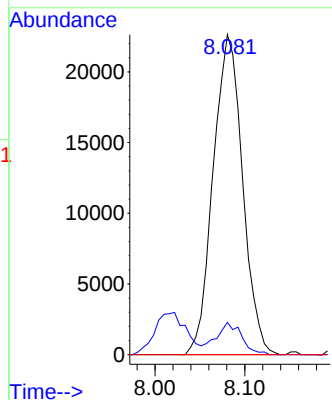
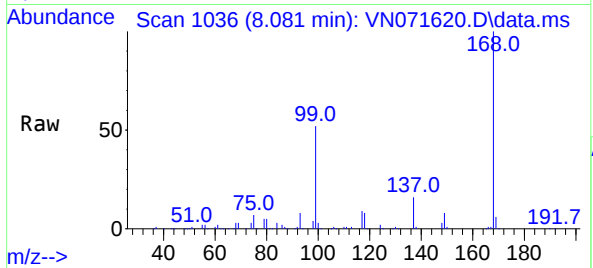
Tgt Ion: 75 Resp: 51508

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.216 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN071620.D

Acq: 28 Mar 2022 22:21

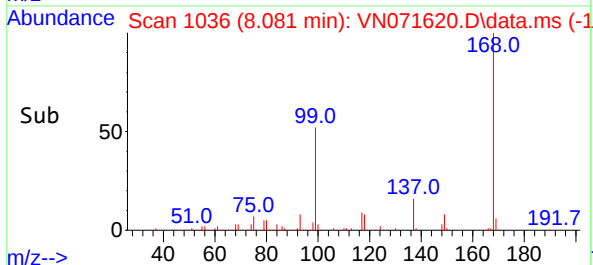
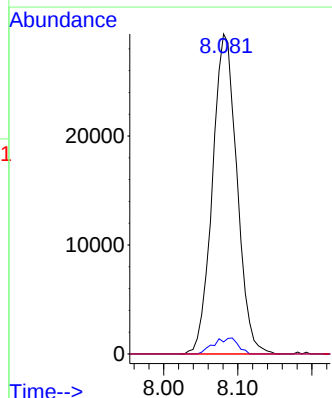
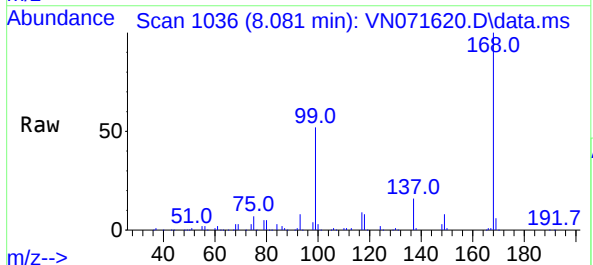
Tgt Ion: 117 Resp: 67396

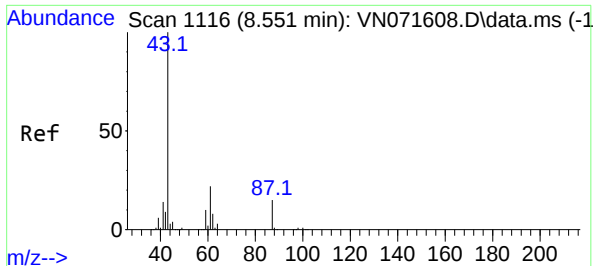
Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.8#

121 0.0 24.6 37.0#

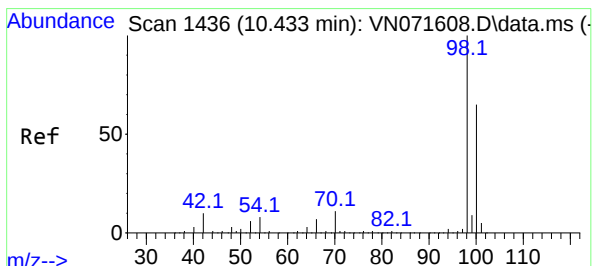
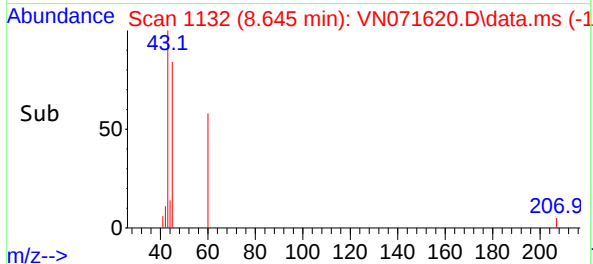
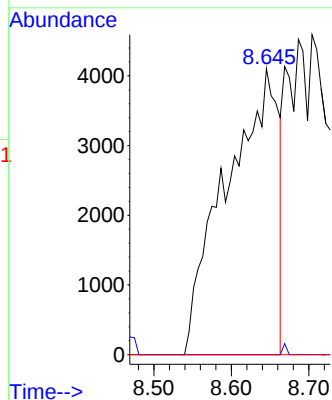
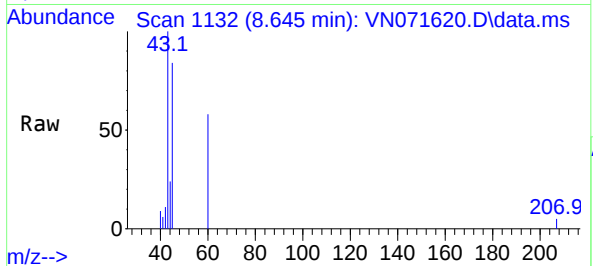




#43  
Isopropyl Acetate  
Concen: 1.182 ug/l  
RT: 8.645 min Scan# 1116  
Delta R.T. 0.094 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

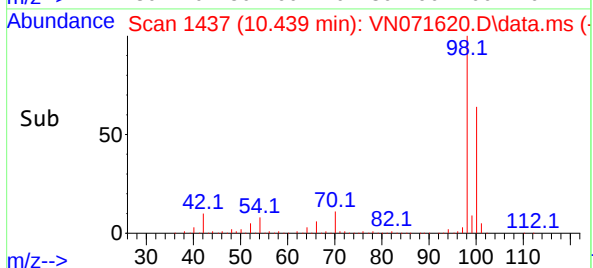
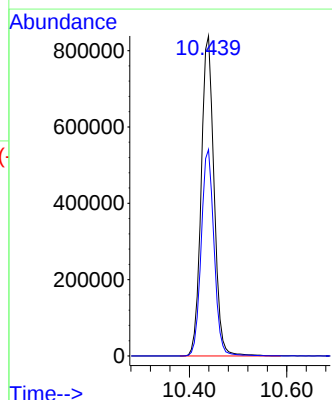
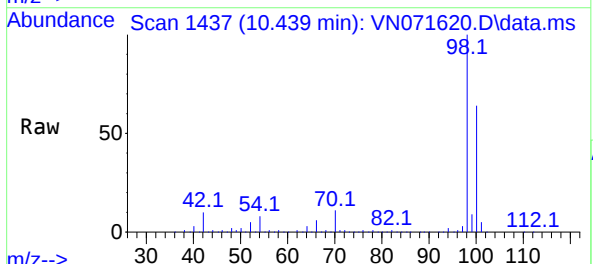
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-REF-4

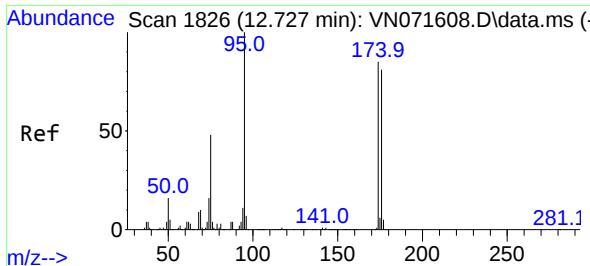
Tgt Ion: 43 Resp: 19087  
Ion Ratio Lower Upper  
43 100  
61 0.0 21.9 32.9#  
87 0.0 12.0 18.0#



#50  
Toluene-d8  
Concen: 48.970 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.006 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

Tgt Ion: 98 Resp: 1537260  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.6 78.8

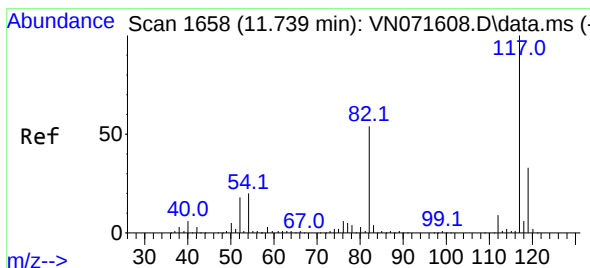
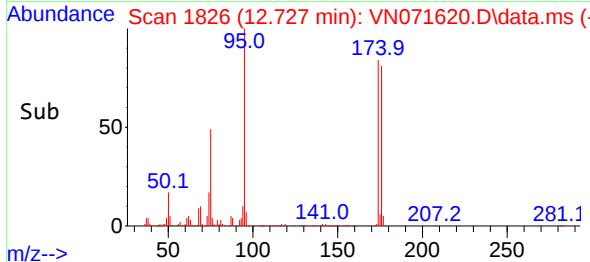
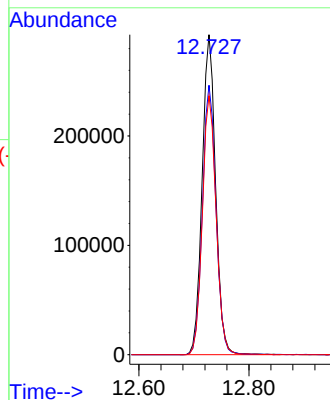
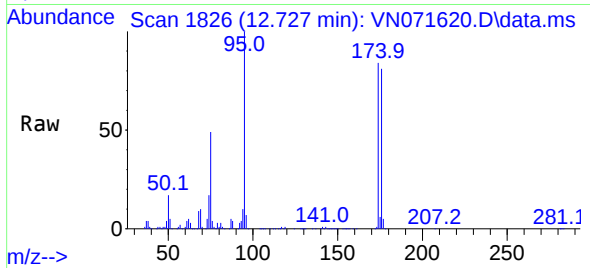




#62  
4-Bromofluorobenzene  
Concen: 48.508 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

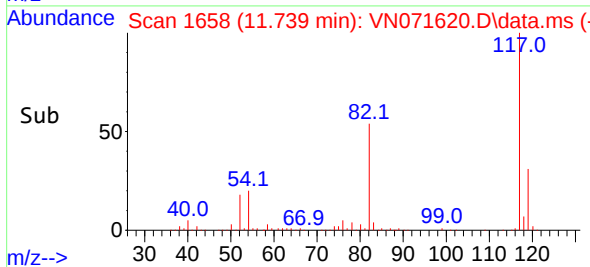
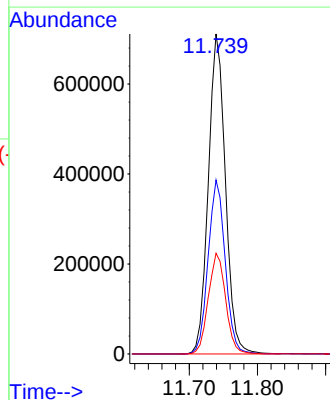
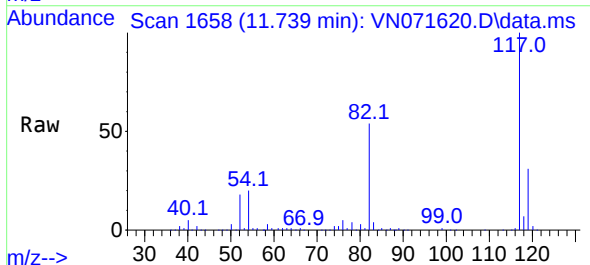
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-REF-4

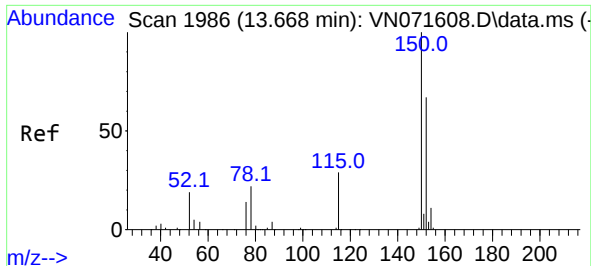
Tgt Ion: 95 Resp: 496764  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 167.6  
176 82.6 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

Tgt Ion: 117 Resp: 1241260  
Ion Ratio Lower Upper  
117 100  
82 54.4 44.2 66.2  
119 31.5 25.4 38.0

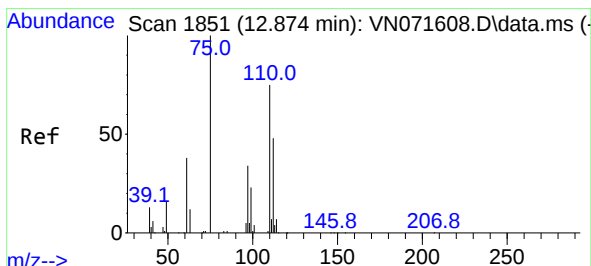
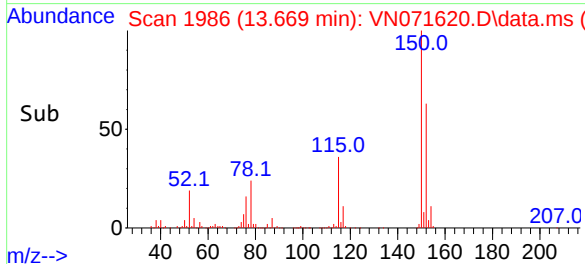
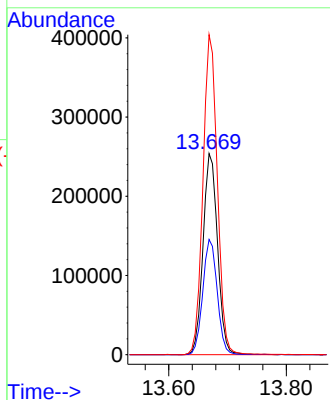
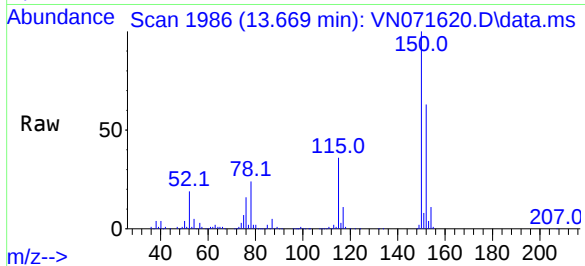




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.669 min Scan# 1986  
Delta R.T. 0.000 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

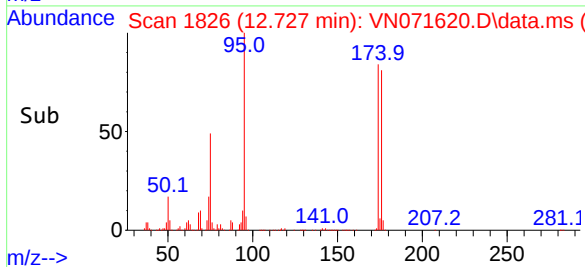
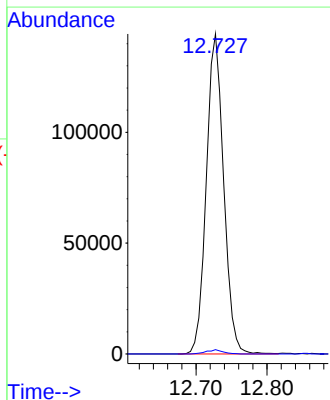
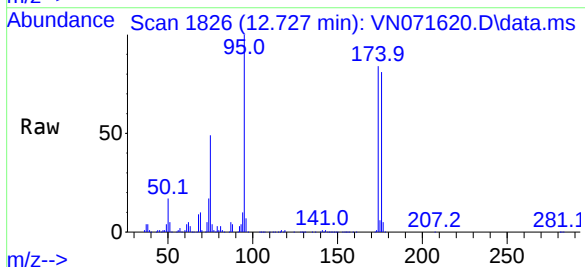
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-REF-4

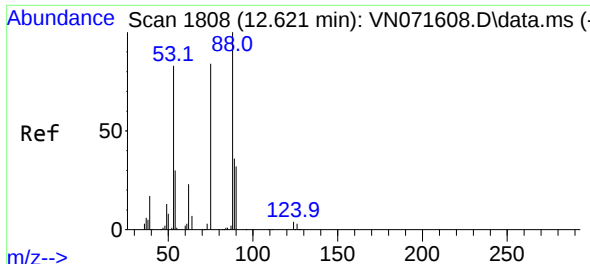
Tgt Ion:152 Resp: 434756  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.9 86.7  
150 157.5 0.0 356.2



#76  
1,2,3-Trichloropropane  
Concen: 23.455 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.147 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

Tgt Ion: 75 Resp: 244844  
Ion Ratio Lower Upper  
75 100  
77 1.3 98.5 295.5#

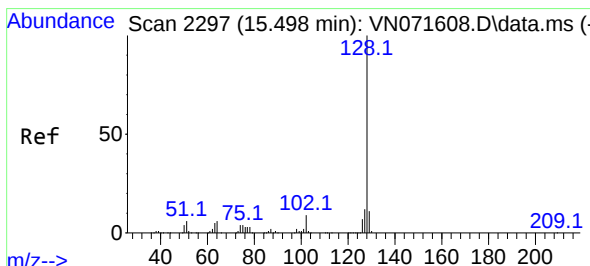
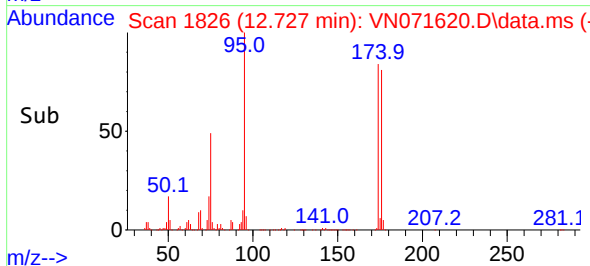
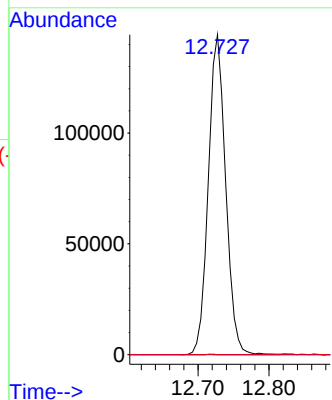
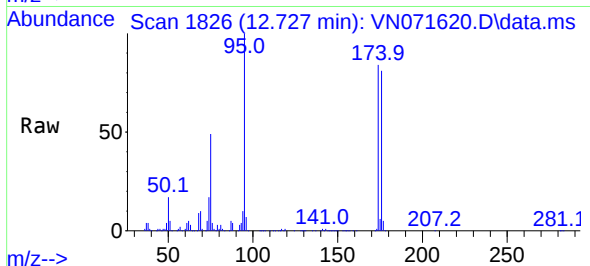




#81  
trans-1,4-Dichloro-2-butene  
Concen: 67.700 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.106 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-REF-4

Tgt Ion: 75 Resp: 244844  
Ion Ratio Lower Upper  
75 100  
53 0.1 78.0 117.0#  
89 0.0 37.2 55.8#



#95  
Naphthalene  
Concen: 4.756 ug/l  
RT: 15.510 min Scan# 2299  
Delta R.T. 0.012 min  
Lab File: VN071620.D  
Acq: 28 Mar 2022 22:21

Tgt Ion:128 Resp: 1480  
Ion Ratio Lower Upper  
128 100  
127 5.1 10.3 15.5#  
129 0.0 8.6 13.0#

