

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042022\  
 Data File : VN072087.D  
 Acq On : 20 Apr 2022 18:40  
 Operator : JC\MD  
 Sample : N2474-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 21 03:33:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 2022  
 Response via : Initial Calibration

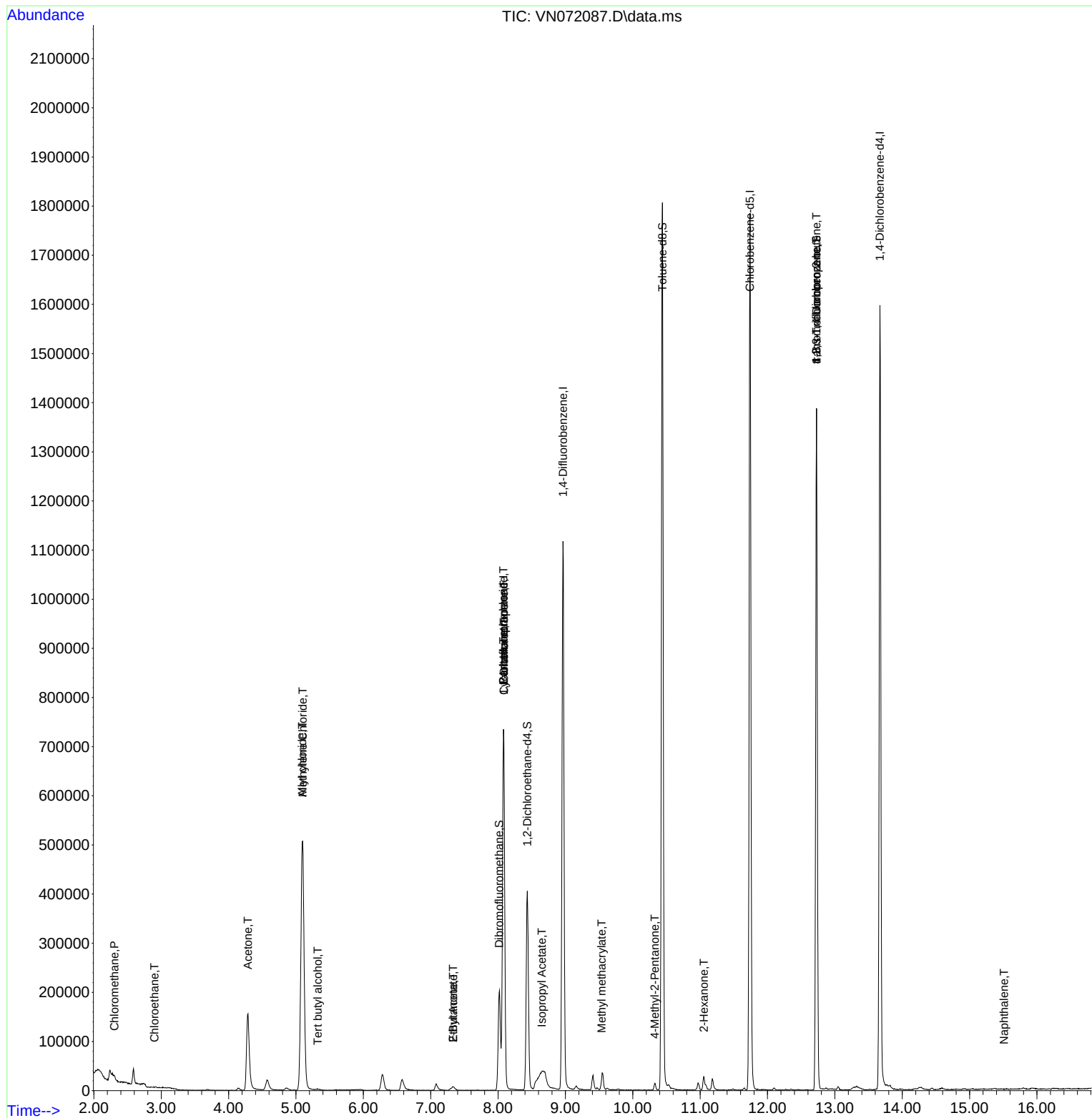
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.080  | 168   | 625893   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963  | 114   | 1057473  | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739 | 117   | 1123827  | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668 | 152   | 474145   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.433  | 65    | 337465   | 47.229    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 94.460%  |
| 35) Dibromofluoromethane      | 8.016  | 113   | 152112   | 24.445    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 48.880%# |
| 50) Toluene-d8                | 10.439 | 98    | 1337661  | 52.549    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 105.100% |
| 62) 4-Bromofluorobenzene      | 12.727 | 95    | 489354   | 59.441    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 118.880% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.304  | 50    | 1402     | 0.222     | ug/l   | 90       |
| 6) Chloroethane               | 2.898  | 64    | 1122     | 0.225     | ug/l # | 42       |
| 11) Tert butyl alcohol        | 5.322  | 59    | 1476     | 1.273     | ug/l # | 72       |
| 14) Allyl chloride            | 5.092  | 41    | 11613    | 1.385     | ug/l # | 24       |
| 16) Acetone                   | 4.287  | 43    | 286305   | 93.758    | ug/l   | 94       |
| 18) Methyl Acetate            | 4.851  | 43    | 10317    | Below Cal |        | 96       |
| 20) Methylene Chloride        | 5.098  | 84    | 464120   | 72.110    | ug/l   | 97       |
| 25) 2-Butanone                | 7.333  | 43    | 11786    | 2.677     | ug/l   | 96       |
| 31) Cyclohexane               | 8.086  | 56    | 10269    | 1.057     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.086  | 75    | 40447    | 4.655     | ug/l # | 49       |
| 37) Ethyl Acetate             | 7.333  | 43    | 11786    | 1.239     | ug/l # | 67       |
| 38) Carbon Tetrachloride      | 8.080  | 117   | 55784    | 6.550     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.651  | 43    | 61830    | 3.908     | ug/l # | 55       |
| 48) Methyl methacrylate       | 9.539  | 41    | 13413    | 2.044     | ug/l # | 19       |
| 51) 4-Methyl-2-Pentanone      | 10.327 | 43    | 10117    | 1.112     | ug/l   | 93       |
| 59) 2-Hexanone                | 11.057 | 43    | 25824    | 4.033     | ug/l # | 21       |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75    | 232183   | 21.138    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727 | 75    | 232183   | 65.507    | ug/l # | 10       |
| 95) Naphthalene               | 15.509 | 128   | 926      | 3.843     | ug/l # | 78       |

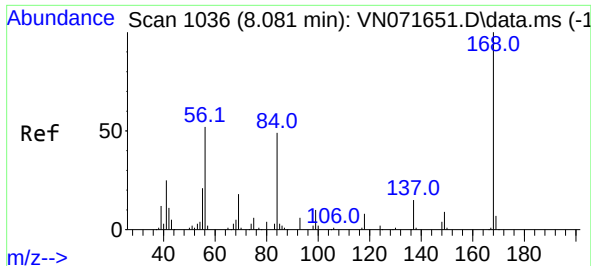
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

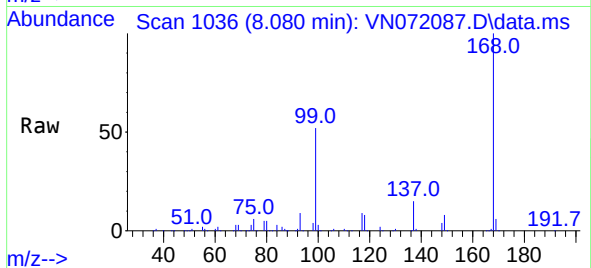
Quant Time: Apr 21 03:33:57 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 31 01:57:54 2022  
Response via : Initial Calibration



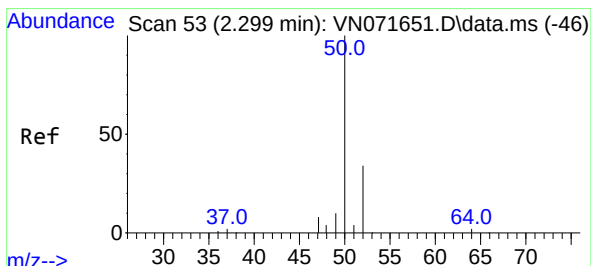
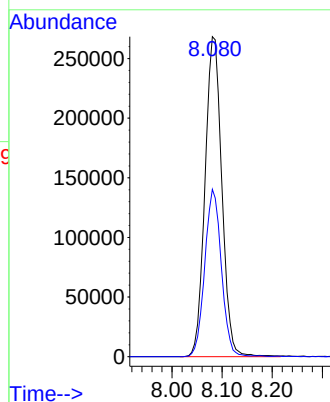
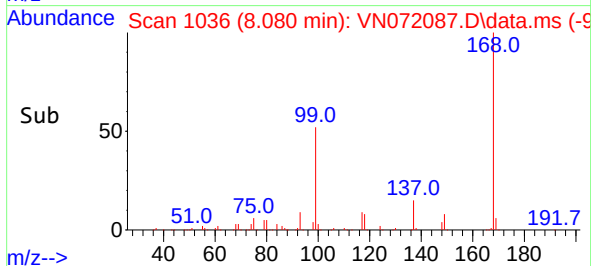


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.080 min Scan# 10  
Delta R.T. -0.001 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

Instrument :  
MSVOA\_N  
ClientSampleId :

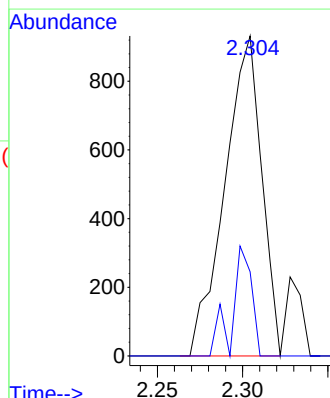
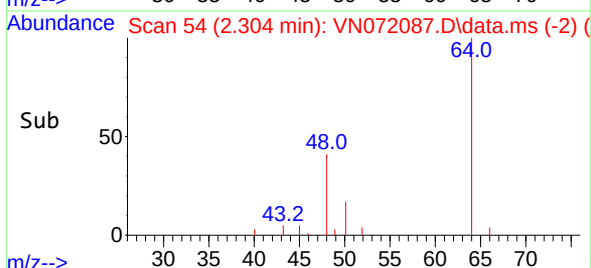
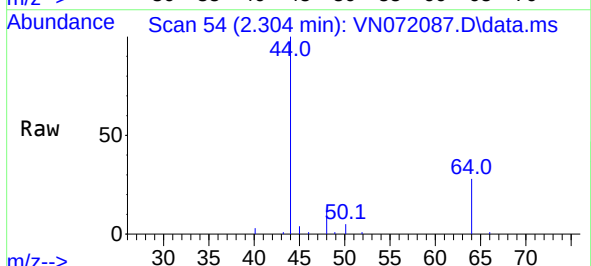


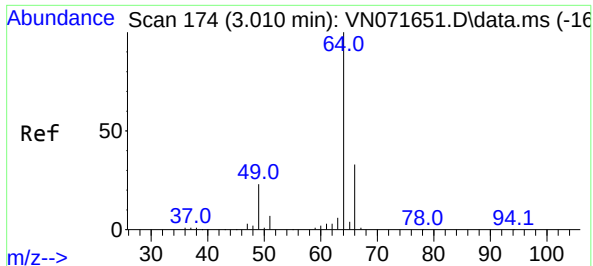
Tgt Ion:168 Resp: 625893  
Ion Ratio Lower Upper  
168 100  
99 52.3 42.3 63.5



#3  
Chloromethane  
Concen: 0.222 ug/l  
RT: 2.304 min Scan# 54  
Delta R.T. 0.005 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

Tgt Ion: 50 Resp: 1402  
Ion Ratio Lower Upper  
50 100  
52 26.3 25.7 38.5

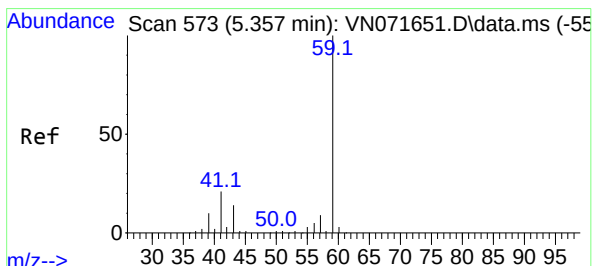
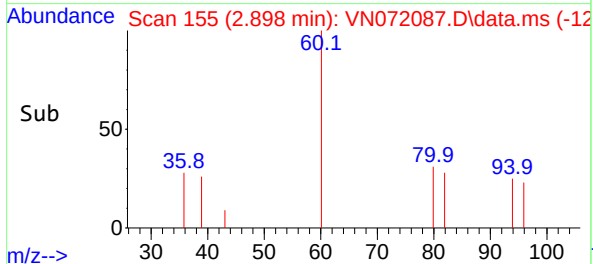
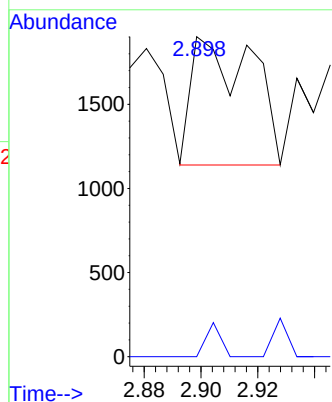
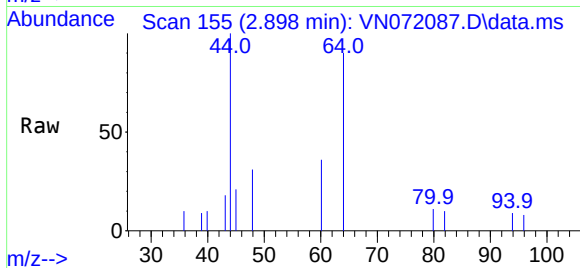




#6  
Chloroethane  
Concen: 0.225 ug/l  
RT: 2.898 min Scan# 11  
Delta R.T. -0.112 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

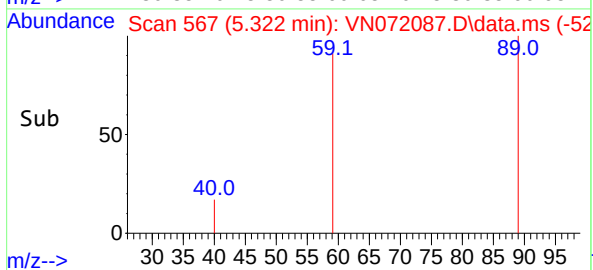
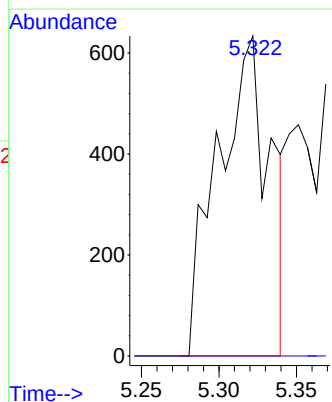
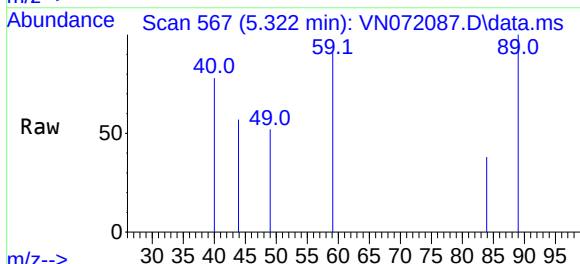
Instrument :  
MSVOA\_N  
ClientSampleId :

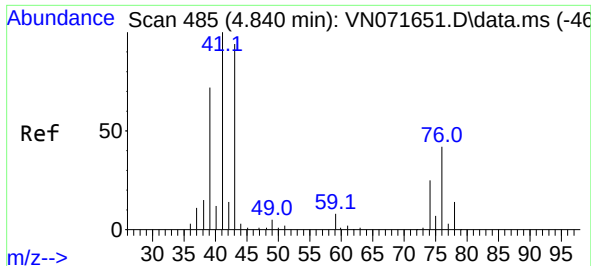
Tgt Ion: 64 Resp: 1122  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#



#11  
Tert butyl alcohol  
Concen: 1.273 ug/l  
RT: 5.322 min Scan# 567  
Delta R.T. -0.035 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

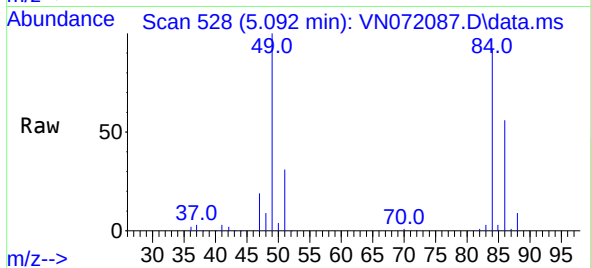
Tgt Ion: 59 Resp: 1476  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



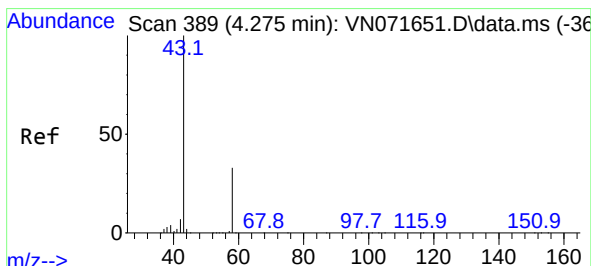
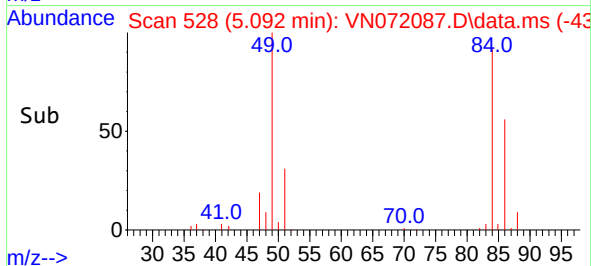
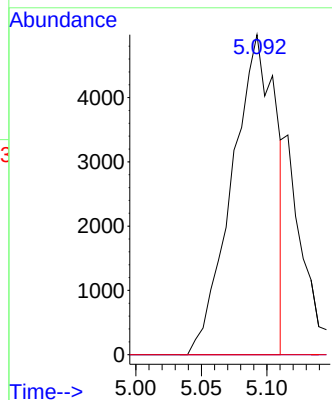


#14  
Allyl chloride  
Concen: 1.385 ug/l  
RT: 5.092 min Scan# 51  
Delta R.T. 0.252 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

Instrument :  
MSVOA\_N  
ClientSampleId :

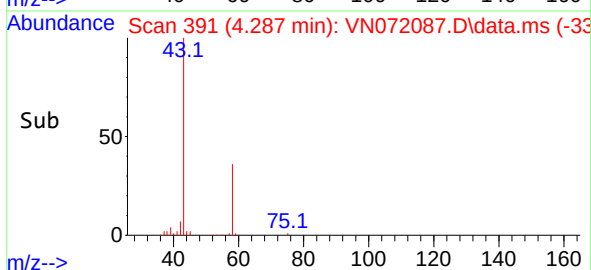
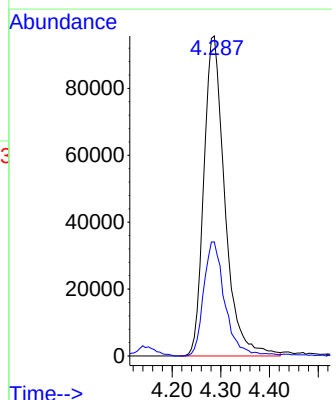
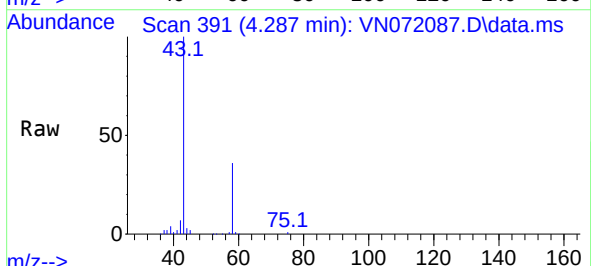


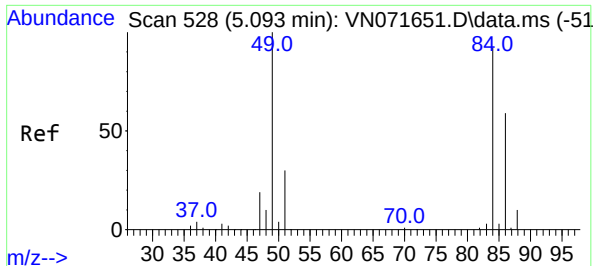
Tgt Ion: 41 Resp: 11613  
Ion Ratio Lower Upper  
41 100  
39 0.0 53.2 79.8#  
76 0.0 29.9 44.9#



#16  
Acetone  
Concen: 93.758 ug/l  
RT: 4.287 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

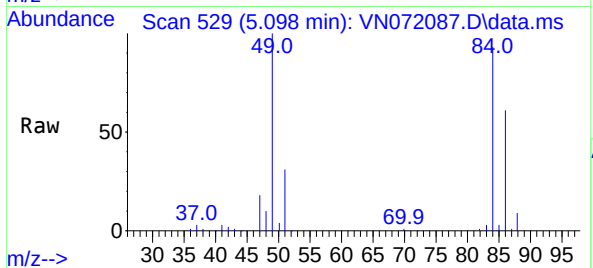
Tgt Ion: 43 Resp: 286305  
Ion Ratio Lower Upper  
43 100  
58 35.6 26.0 39.0



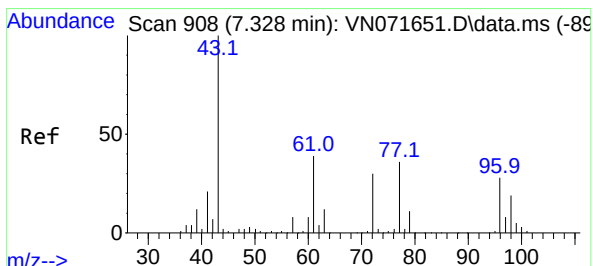
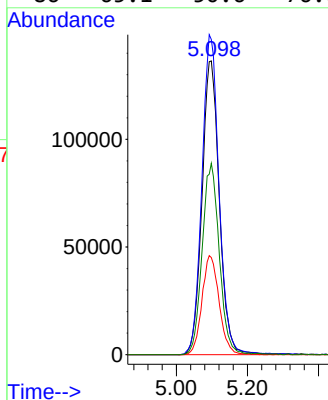
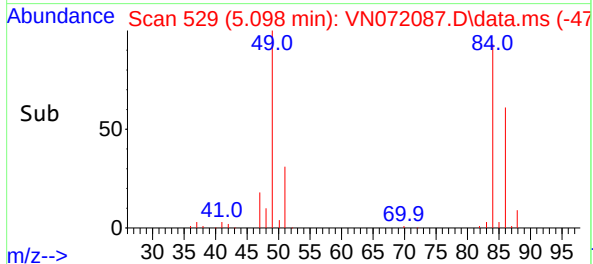


#20  
Methylene Chloride  
Concen: 72.110 ug/l  
RT: 5.098 min Scan# 51  
Delta R.T. 0.005 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

Instrument :  
MSVOA\_N  
ClientSampleId :

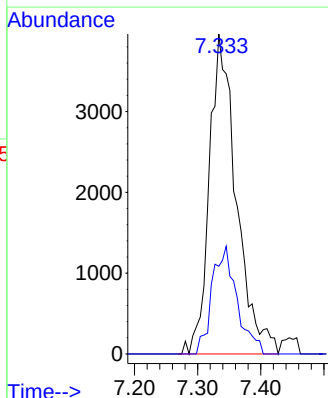
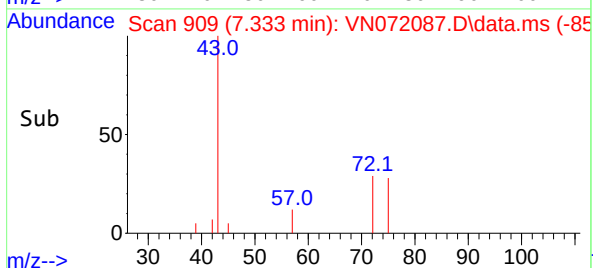
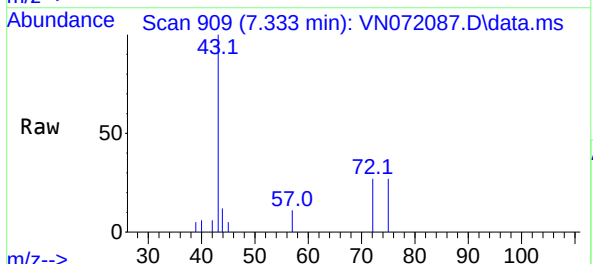


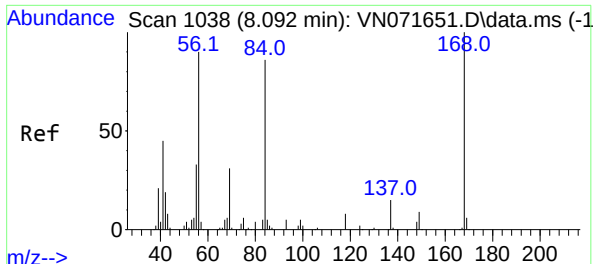
Tgt Ion: 84 Resp: 464120  
Ion Ratio Lower Upper  
84 100  
49 107.3 88.3 132.5  
51 33.0 28.2 42.2  
86 65.1 50.6 76.0



#25  
2-Butanone  
Concen: 2.677 ug/l  
RT: 7.333 min Scan# 909  
Delta R.T. 0.005 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

Tgt Ion: 43 Resp: 11786  
Ion Ratio Lower Upper  
43 100  
72 27.4 23.7 35.5





#31

Cyclohexane

Concen: 1.057 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN072087.D

Acq: 20 Apr 2022 18:40

Instrument :

MSVOA\_N

ClientSampleId :

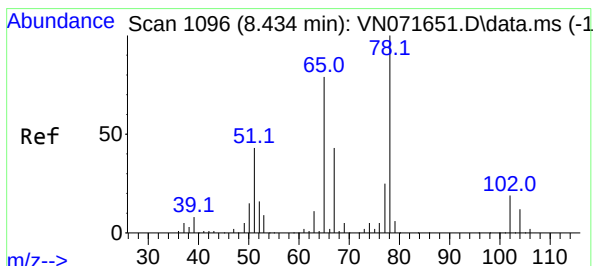
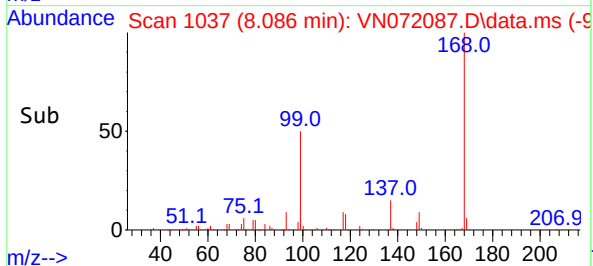
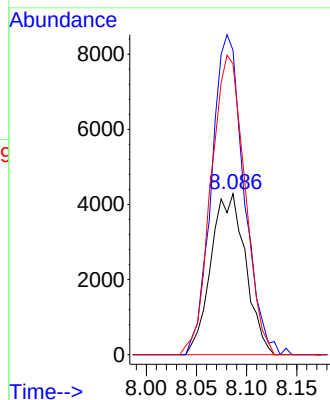
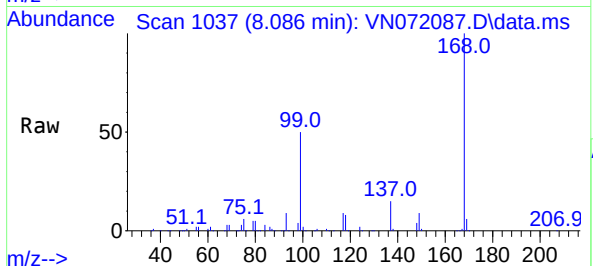
Tgt Ion: 56 Resp: 10269

Ion Ratio Lower Upper

56 100

69 189.1 27.8 41.8#

84 180.7 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.229 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072087.D

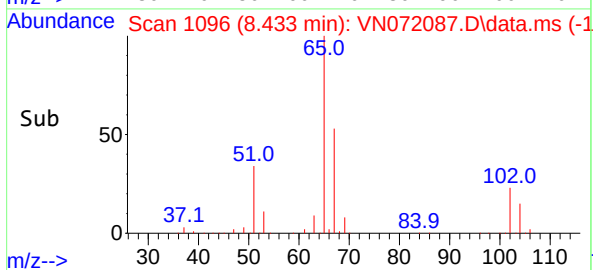
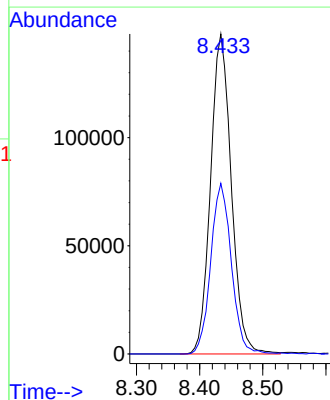
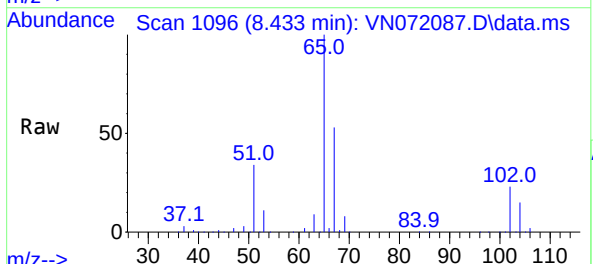
Acq: 20 Apr 2022 18:40

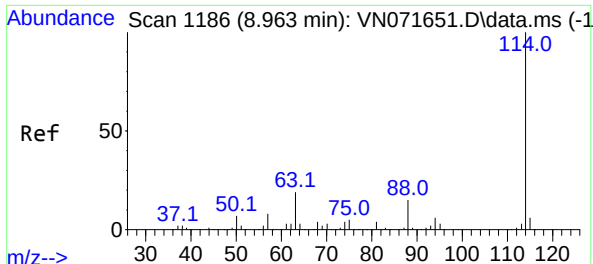
Tgt Ion: 65 Resp: 337465

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.8

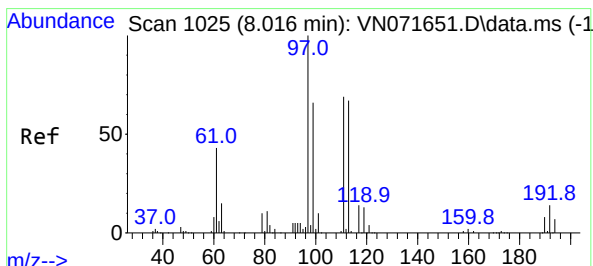
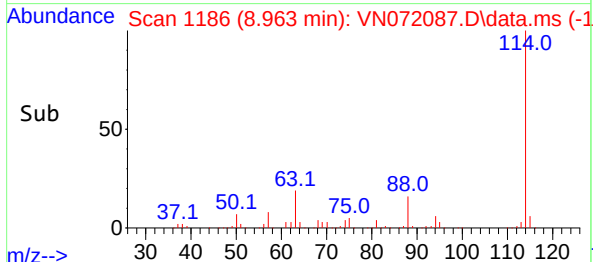
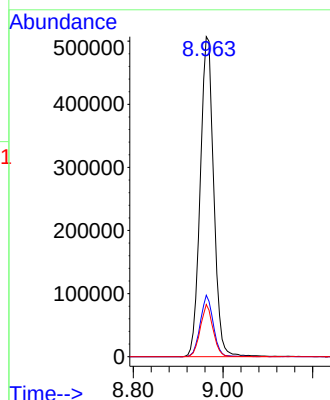
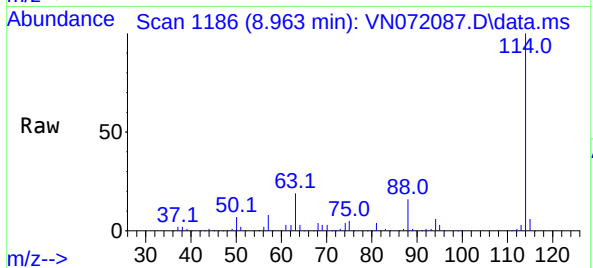




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

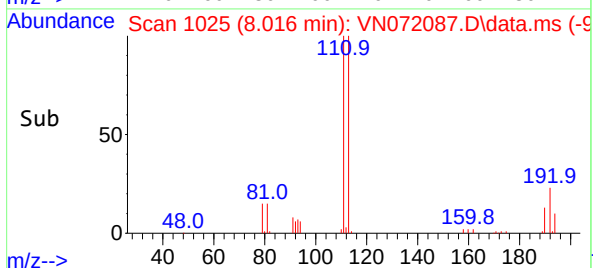
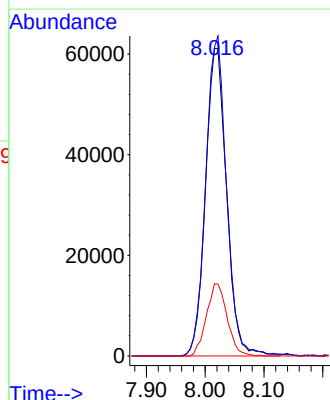
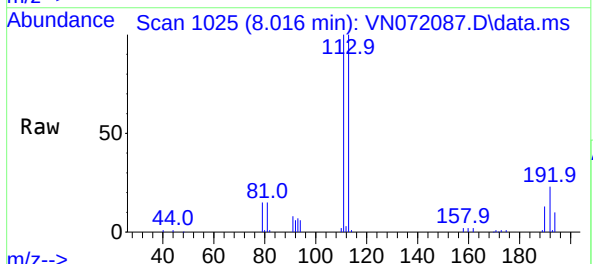
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:114 Resp: 1057473  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 40.0  
88 16.3 0.0 32.6

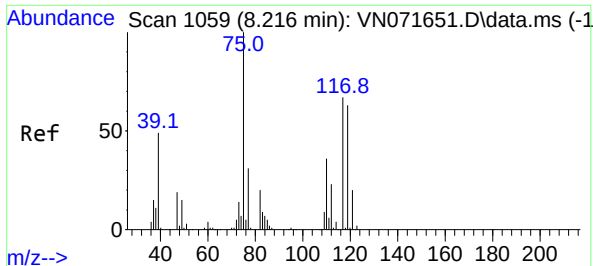


#35  
Dibromofluoromethane  
Concen: 24.445 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. -0.000 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

Tgt Ion:113 Resp: 152112  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.4 122.0  
192 23.1 17.0 25.6







#36

1,1-Dichloropropene

Concen: 4.655 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.130 min

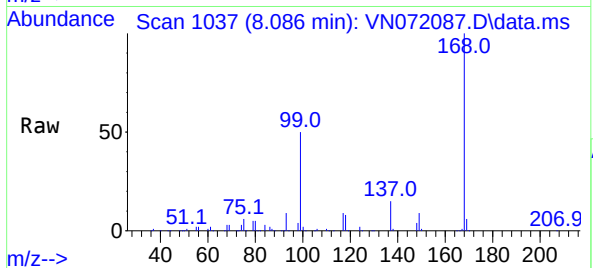
Lab File: VN072087.D

Acq: 20 Apr 2022 18:40

Instrument :

MSVOA\_N

ClientSampleId :



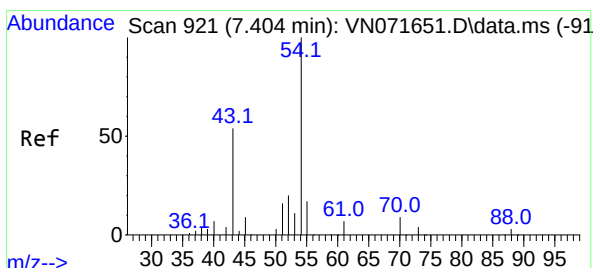
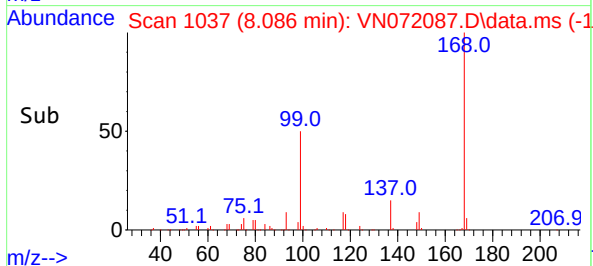
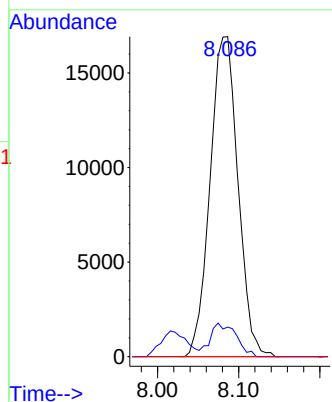
Tgt Ion: 75 Resp: 40447

Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.239 ug/l

RT: 7.333 min Scan# 909

Delta R.T. -0.071 min

Lab File: VN072087.D

Acq: 20 Apr 2022 18:40

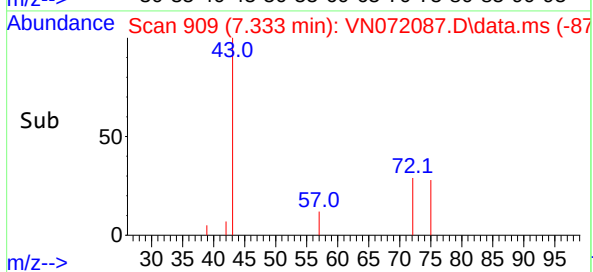
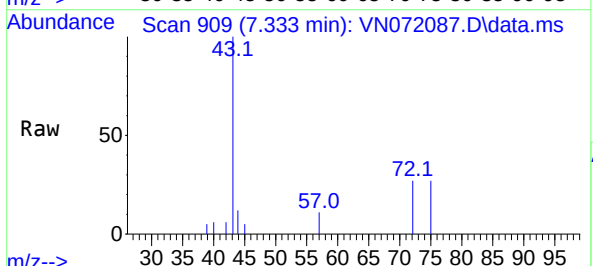
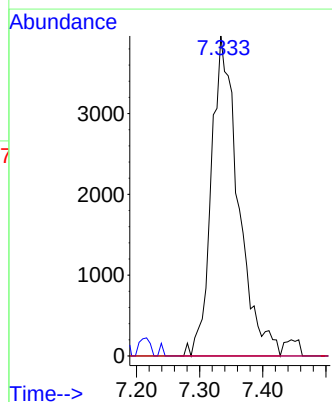
Tgt Ion: 43 Resp: 11786

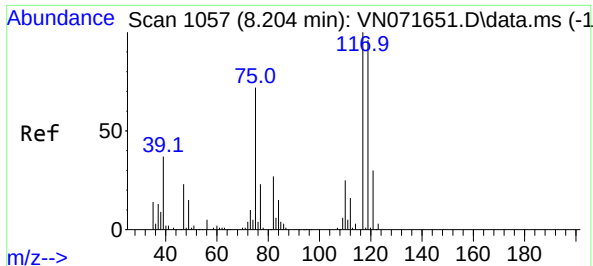
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

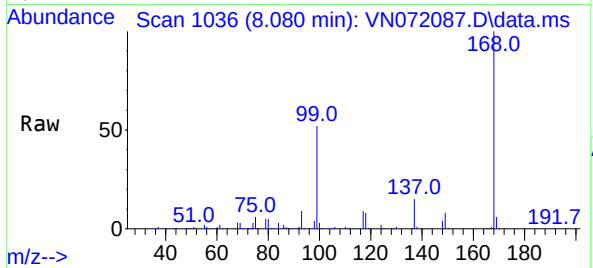
70 0.0 9.3 13.9#



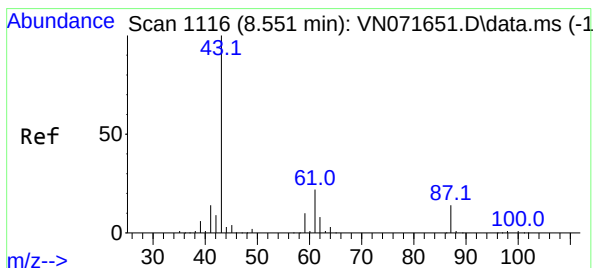
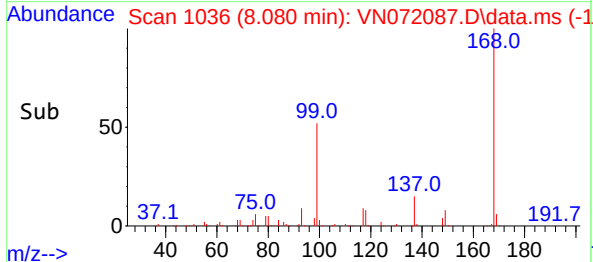
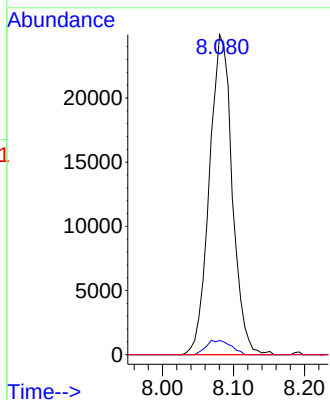


#38  
Carbon Tetrachloride  
Concen: 6.550 ug/l  
RT: 8.080 min Scan# 110  
Delta R.T. -0.124 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

Instrument :  
MSVOA\_N  
ClientSampleId :

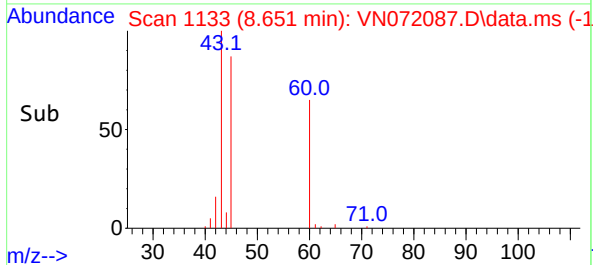
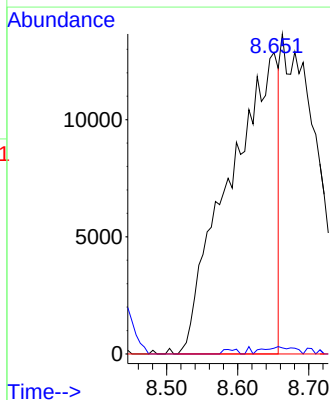
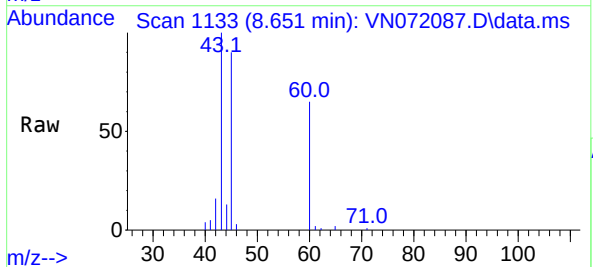


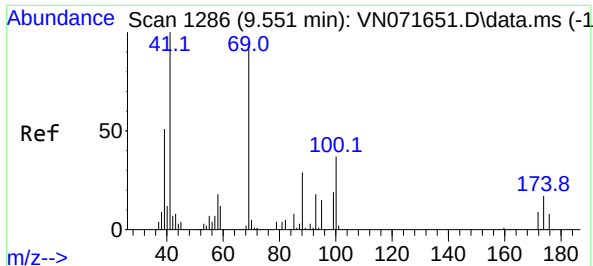
Tgt Ion:117 Resp: 55784  
Ion Ratio Lower Upper  
117 100  
119 4.5 75.8 113.8#  
121 0.0 24.6 37.0#



#43  
Isopropyl Acetate  
Concen: 3.908 ug/l  
RT: 8.651 min Scan# 1133  
Delta R.T. 0.100 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

Tgt Ion: 43 Resp: 61830  
Ion Ratio Lower Upper  
43 100  
61 1.0 21.9 32.9#  
87 0.0 12.0 18.0#

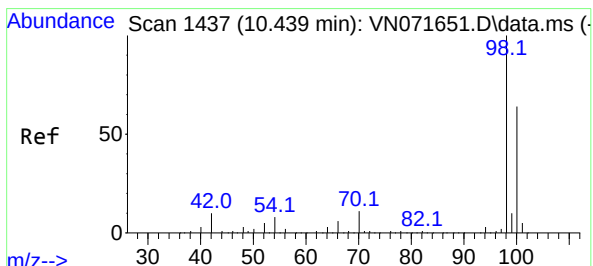
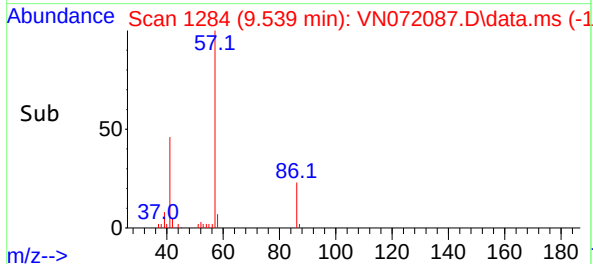
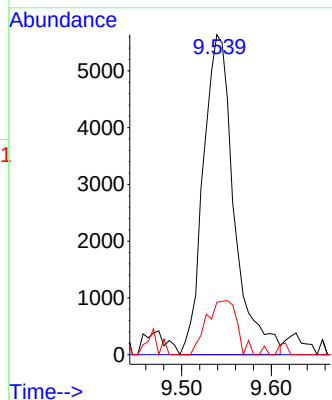
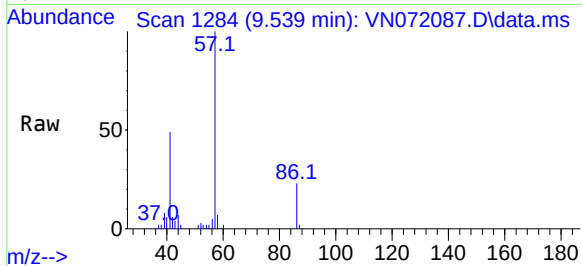




#48  
Methyl methacrylate  
Concen: 2.044 ug/l  
RT: 9.539 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

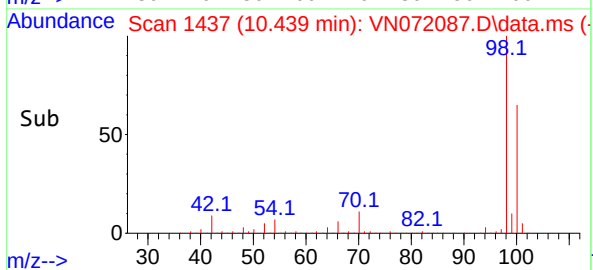
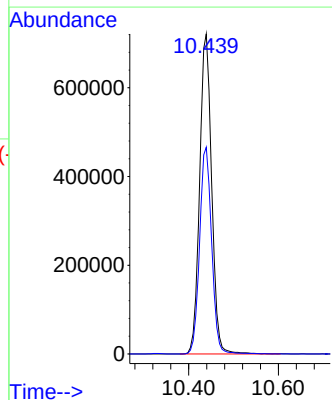
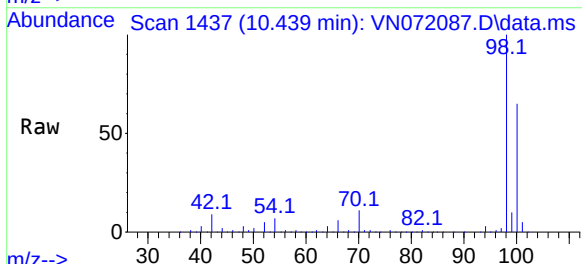
Instrument :  
MSVOA\_N  
ClientSampleId :

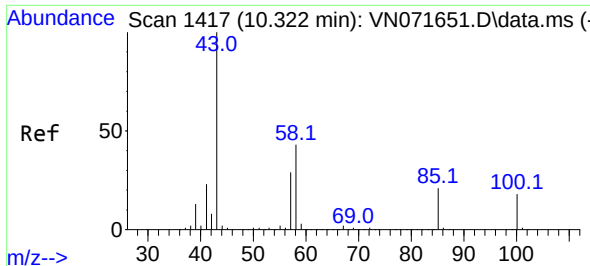
Tgt Ion: 41 Resp: 13413  
Ion Ratio Lower Upper  
41 100  
69 0.0 74.7 112.1#  
39 16.7 45.6 68.4#



#50  
Toluene-d8  
Concen: 52.549 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

Tgt Ion: 98 Resp: 1337661  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.112 ug/l

RT: 10.327 min Scan# 1417

Delta R.T. 0.005 min

Lab File: VN072087.D

Acq: 20 Apr 2022 18:40

Instrument :

MSVOA\_N

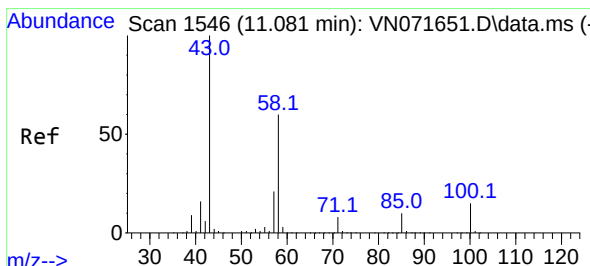
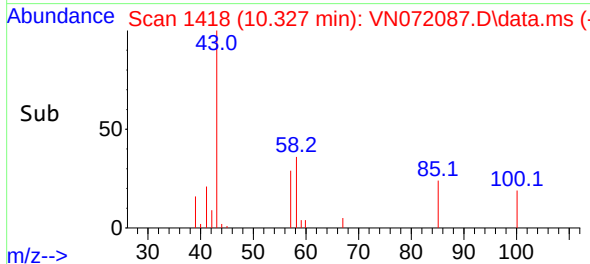
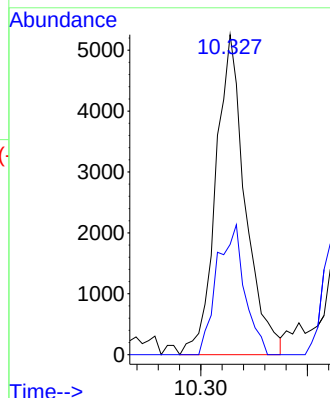
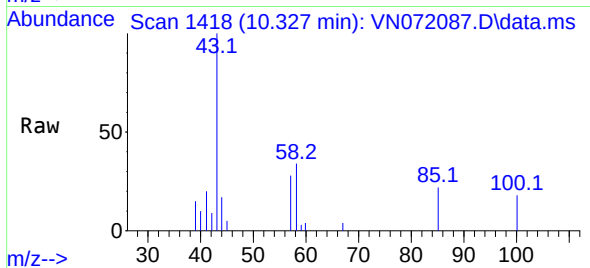
ClientSampleId :

Tgt Ion: 43 Resp: 10117

Ion Ratio Lower Upper

43 100

58 38.1 34.1 51.1



#59

2-Hexanone

Concen: 4.033 ug/l

RT: 11.057 min Scan# 1542

Delta R.T. -0.024 min

Lab File: VN072087.D

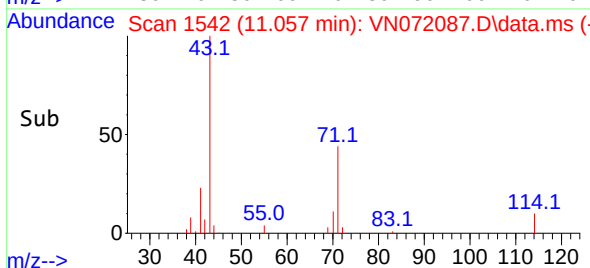
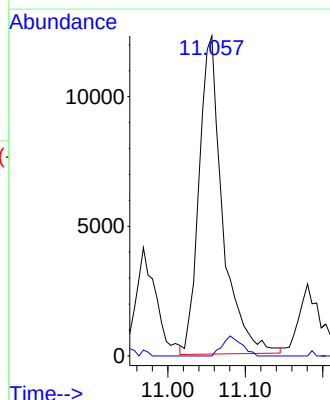
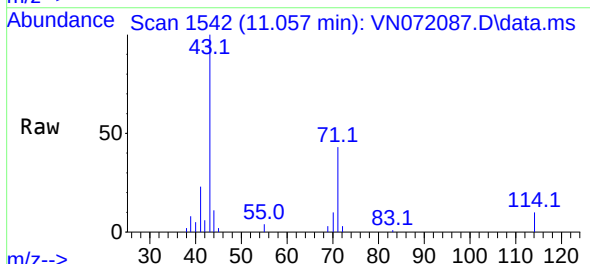
Acq: 20 Apr 2022 18:40

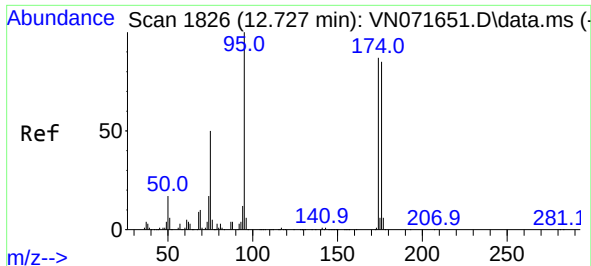
Tgt Ion: 43 Resp: 25824

Ion Ratio Lower Upper

43 100

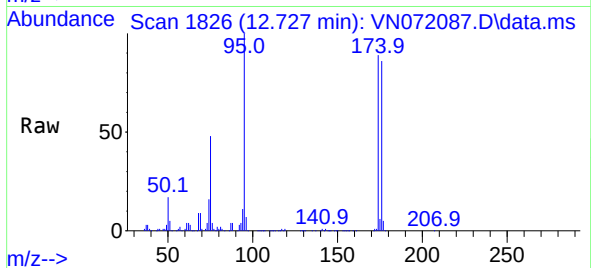
58 0.0 29.7 89.1#



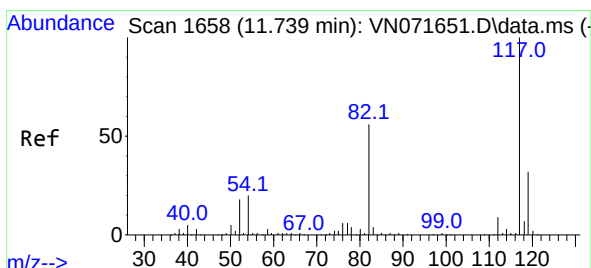
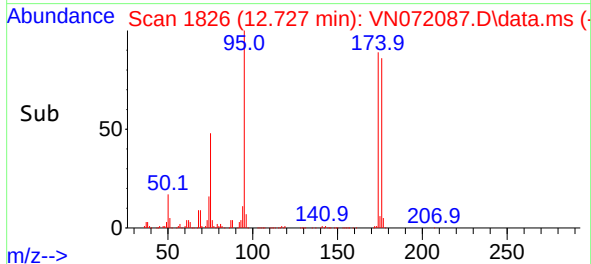
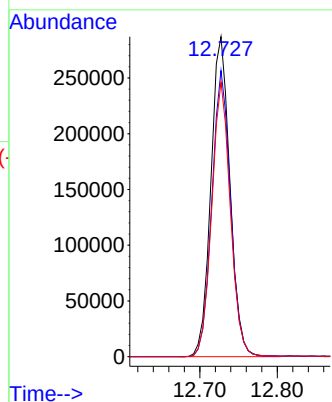


#62  
4-Bromofluorobenzene  
Concen: 59.441 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

Instrument :  
MSVOA\_N  
ClientSampleId :

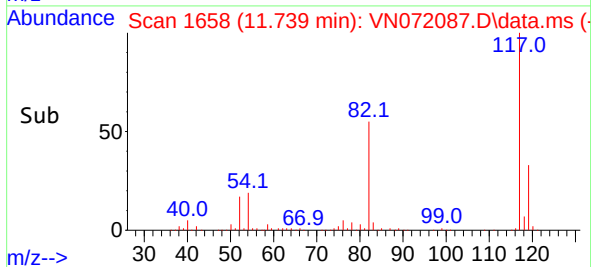
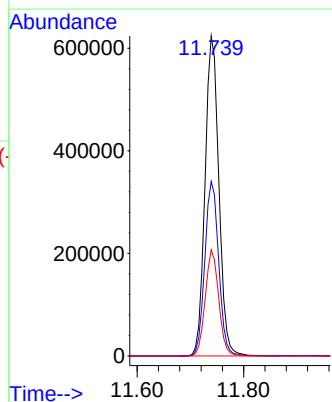
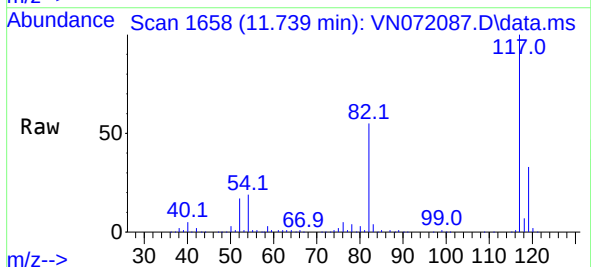


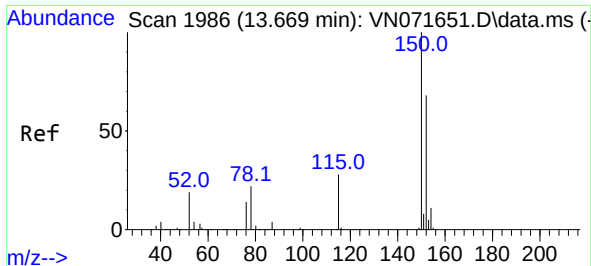
Tgt Ion: 95 Resp: 489354  
Ion Ratio Lower Upper  
95 100  
174 88.0 0.0 167.6  
176 83.8 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

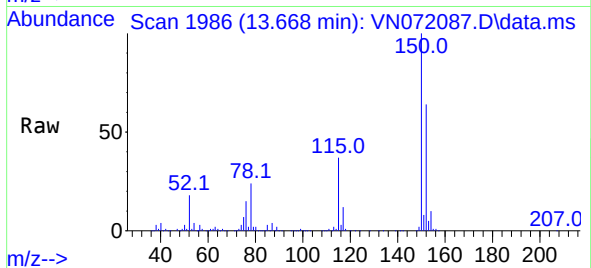
Tgt Ion: 117 Resp: 1123827  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.2 66.2  
119 33.2 25.4 38.0



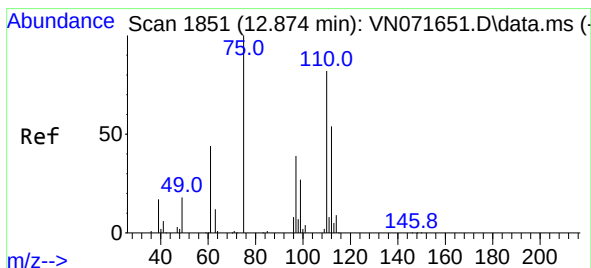
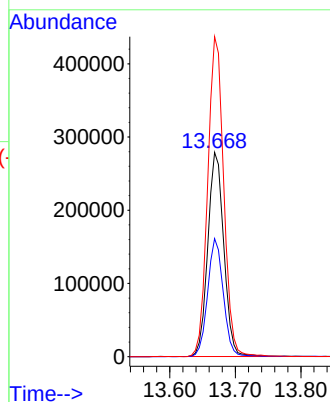
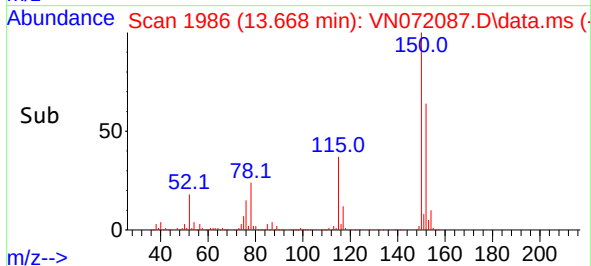


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.668 min Scan# 1986  
 Delta R.T. -0.001 min  
 Lab File: VN072087.D  
 Acq: 20 Apr 2022 18:40

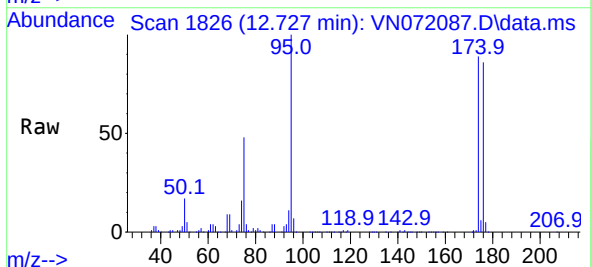
Instrument :  
 MSVOA\_N  
 ClientSampleId :



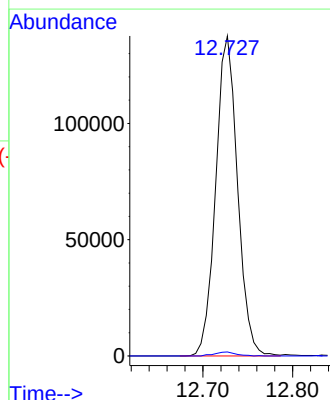
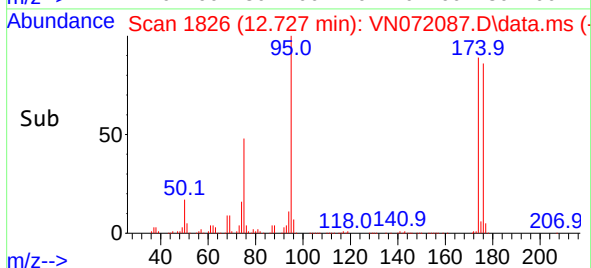
Tgt Ion:152 Resp: 474145  
 Ion Ratio Lower Upper  
 152 100  
 115 56.8 28.9 86.7  
 150 157.0 0.0 356.2

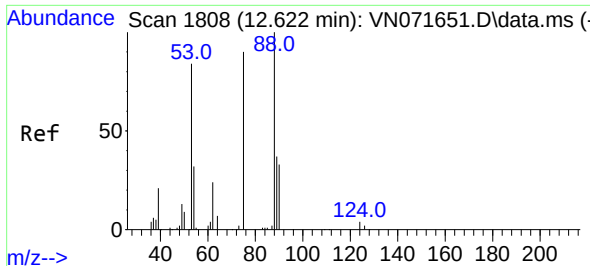


#76  
 1,2,3-Trichloropropane  
 Concen: 21.138 ug/l  
 RT: 12.727 min Scan# 1826  
 Delta R.T. -0.147 min  
 Lab File: VN072087.D  
 Acq: 20 Apr 2022 18:40



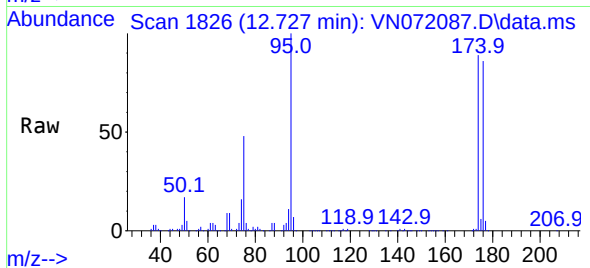
Tgt Ion: 75 Resp: 232183  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 98.5 295.5#



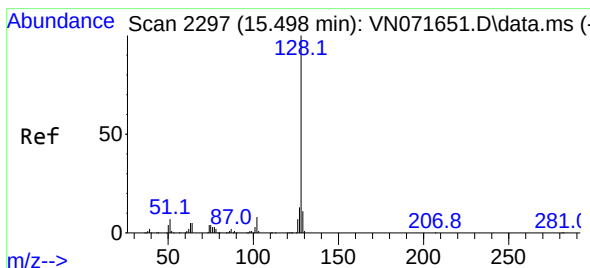
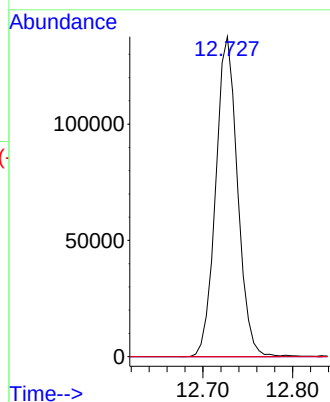
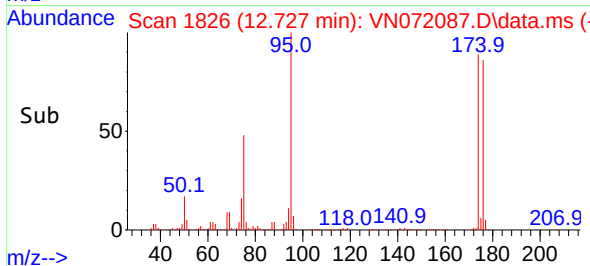


#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.507 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.105 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40

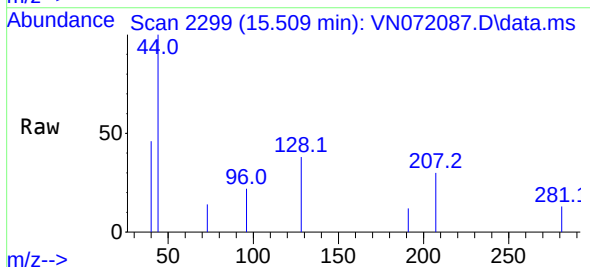
Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 75 Resp: 232183  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#



#95  
Naphthalene  
Concen: 3.843 ug/l  
RT: 15.509 min Scan# 2299  
Delta R.T. 0.011 min  
Lab File: VN072087.D  
Acq: 20 Apr 2022 18:40



Tgt Ion: 128 Resp: 926  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 7.1 8.6 13.0#

