

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040122\  
 Data File : VN071791.D  
 Acq On : 02 Apr 2022 07:23  
 Operator : JC\MD  
 Sample : N2200-09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-33

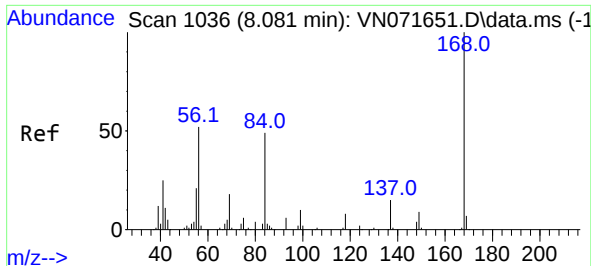
Quant Time: Apr 02 07:50:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.087     | 168   | 618311   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963     | 114   | 1073937  | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739    | 117   | 1093871  | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.669    | 152   | 391682   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.434     | 65    | 363675   | 51.521    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 61 - 141 | Recovery  | =      | 103.040% |
| 35) Dibromofluoromethane      | 8.022     | 113   | 307485   | 48.656    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 69 - 133 | Recovery  | =      | 97.320%  |
| 50) Toluene-d8                | 10.439    | 98    | 1344420  | 52.005    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 126 | Recovery  | =      | 104.020% |
| 62) 4-Bromofluorobenzene      | 12.727    | 95    | 437877   | 52.373    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 135 | Recovery  | =      | 104.740% |
| Target Compounds              |           |       |          |           |        |          |
|                               |           |       |          |           |        | Qvalue   |
| 3) Chloromethane              | 2.234     | 50    | 17037    | 2.735     | ug/l # | 43       |
| 6) Chloroethane               | 2.769     | 64    | 3956     | 0.804     | ug/l # | 55       |
| 11) Tert butyl alcohol        | 5.328     | 59    | 1082     | 0.945     | ug/l # | 72       |
| 16) Acetone                   | 4.299     | 43    | 8717     | 2.890     | ug/l   | 89       |
| 18) Methyl Acetate            | 4.875     | 43    | 2386     | Below Cal | #      | 74       |
| 31) Cyclohexane               | 8.087     | 56    | 10477    | 1.091     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.081     | 75    | 43846    | 4.968     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.087     | 117   | 58042    | 6.711     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.439    | 43    | 4694     | 0.508     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.727    | 75    | 214572   | 23.648    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727    | 75    | 214572   | 73.284    | ug/l # | 10       |
| 95) Naphthalene               | 15.498    | 128   | 149      | 3.811     | ug/l # | 69       |
| -----                         |           |       |          |           |        |          |

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

Quant Time: Apr 02 07:50:50 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

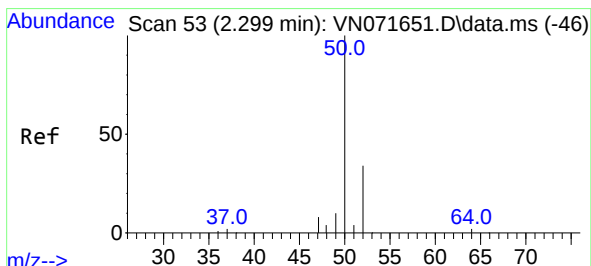
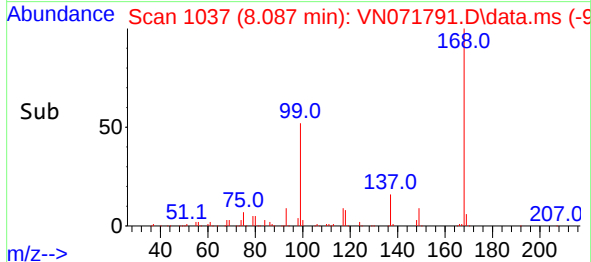
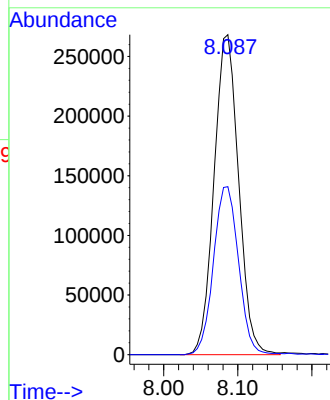
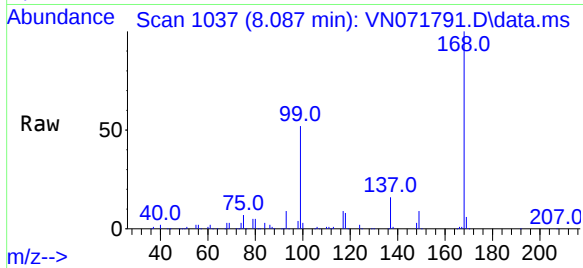




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.087 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

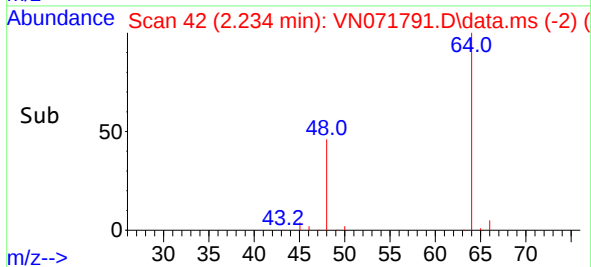
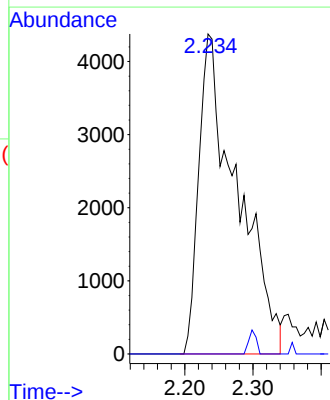
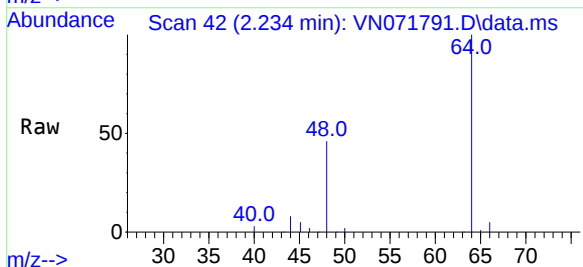
Instrument :  
MSVOA\_N  
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MW-33

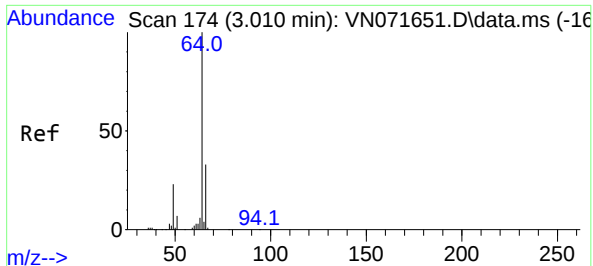
Tgt Ion:168 Resp: 618311  
Ion Ratio Lower Upper  
168 100  
99 52.5 42.3 63.5



#3  
Chloromethane  
Concen: 2.735 ug/l  
RT: 2.234 min Scan# 42  
Delta R.T. -0.065 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

Tgt Ion: 50 Resp: 17037  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

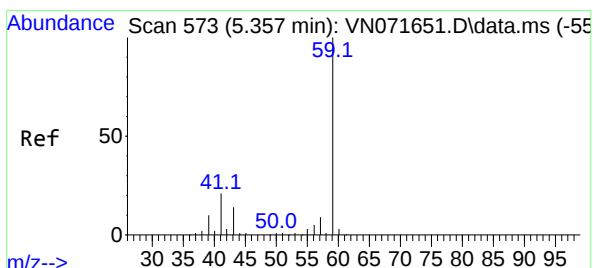
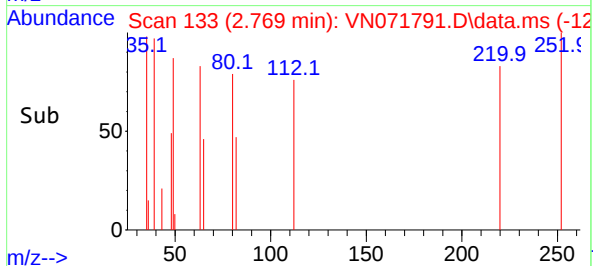
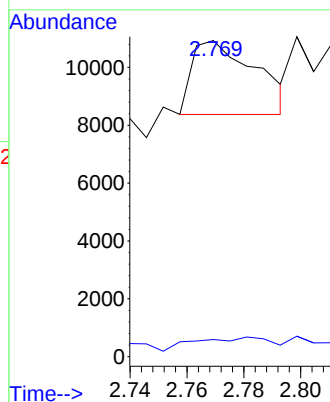
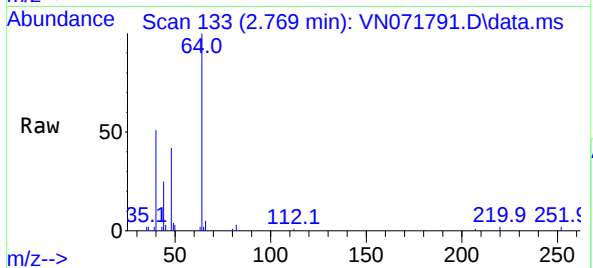




#6  
Chloroethane  
Concen: 0.804 ug/l  
RT: 2.769 min Scan# 11  
Delta R.T. -0.241 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

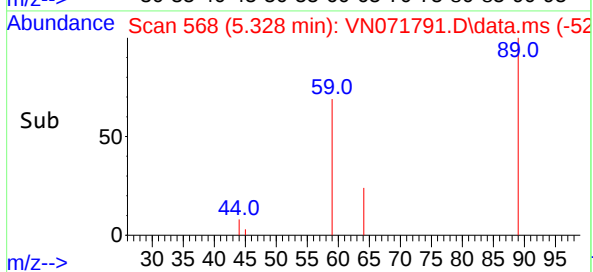
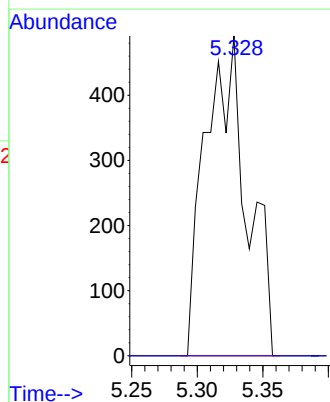
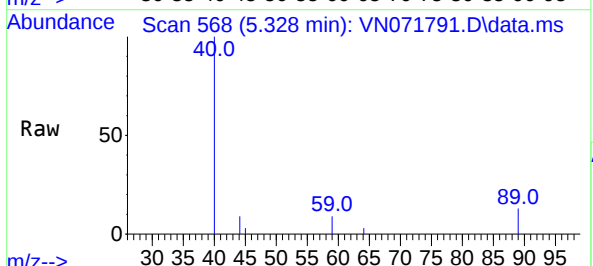
Instrument :  
MSVOA\_N  
ClientSampleId :  
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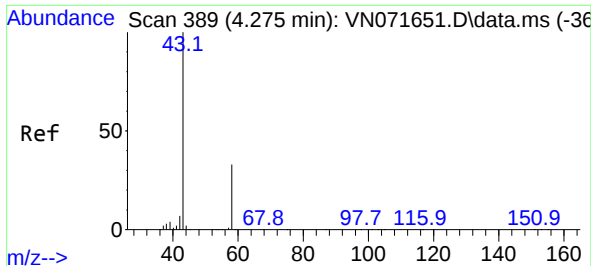
Tgt Ion: 64 Resp: 3956  
Ion Ratio Lower Upper  
64 100  
66 7.7 26.2 39.4#



#11  
Tert butyl alcohol  
Concen: 0.945 ug/l  
RT: 5.328 min Scan# 568  
Delta R.T. -0.029 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

Tgt Ion: 59 Resp: 1082  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

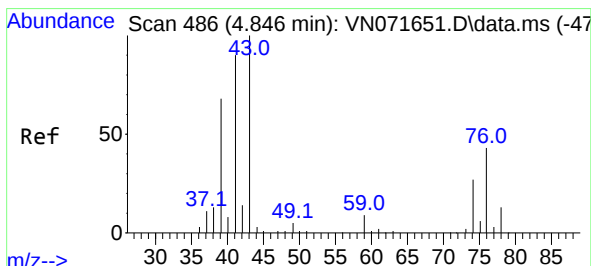
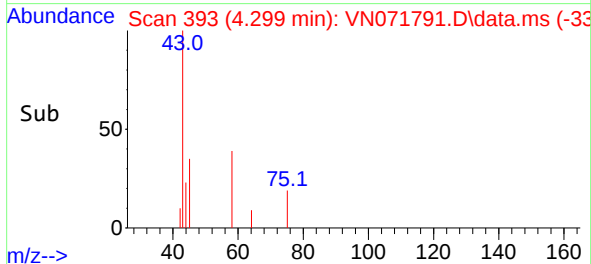
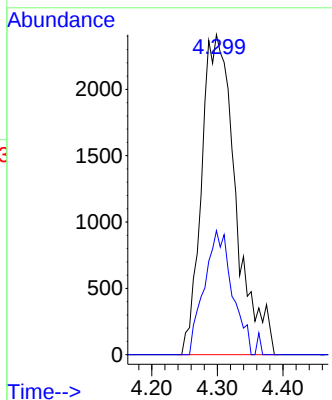
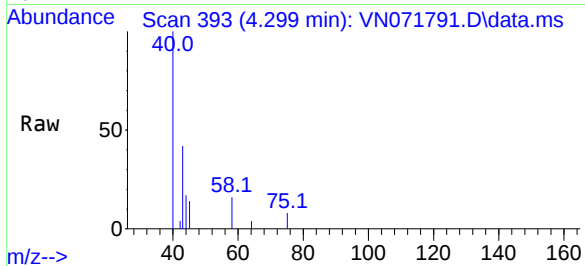




#16  
Acetone  
Concen: 2.890 ug/l  
RT: 4.299 min Scan# 393  
Delta R.T. 0.024 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

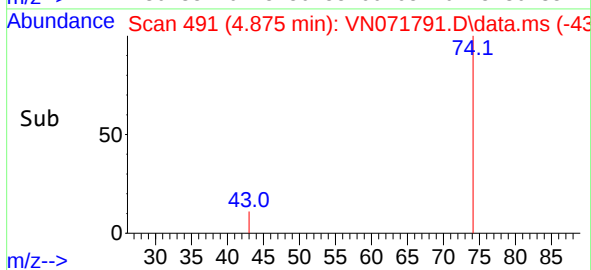
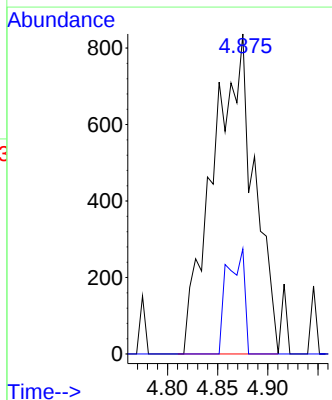
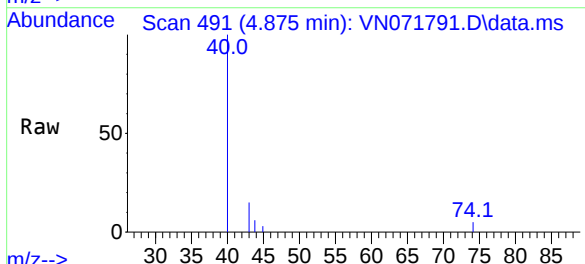
Instrument :  
MSVOA\_N  
ClientSampleId :  
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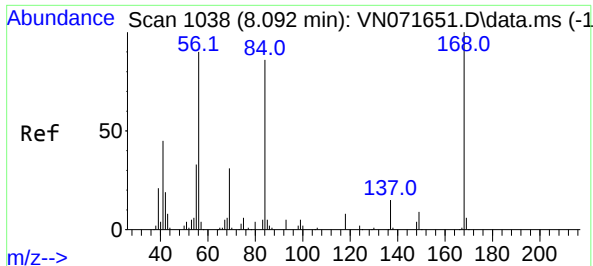
Tgt Ion: 43 Resp: 8717  
Ion Ratio Lower Upper  
43 100  
58 38.8 26.0 39.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.875 min Scan# 491  
Delta R.T. 0.029 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

Tgt Ion: 43 Resp: 2386  
Ion Ratio Lower Upper  
43 100  
74 13.8 21.6 32.4#

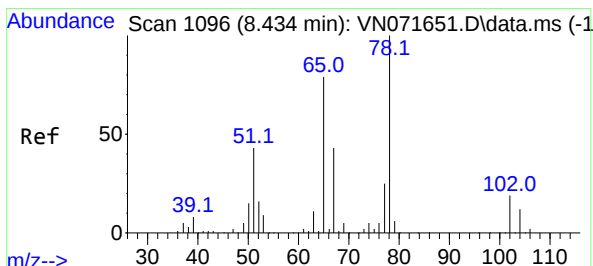
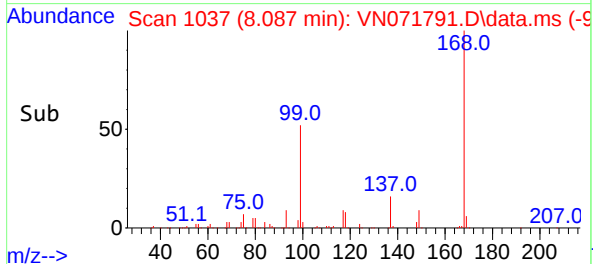
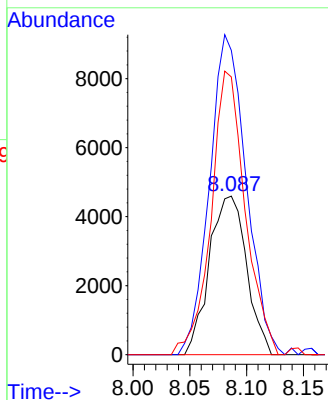
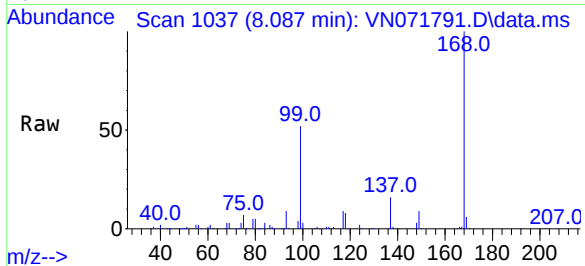




#31  
Cyclohexane  
Concen: 1.091 ug/l  
RT: 8.087 min Scan# 1037  
Delta R.T. -0.005 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

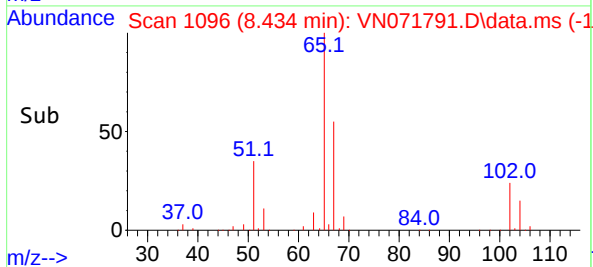
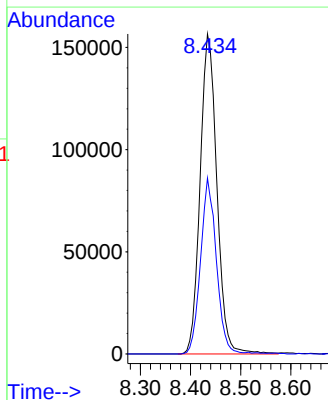
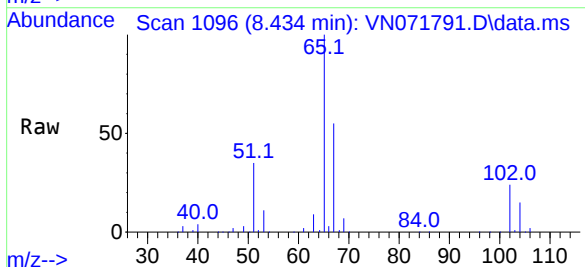
Instrument :  
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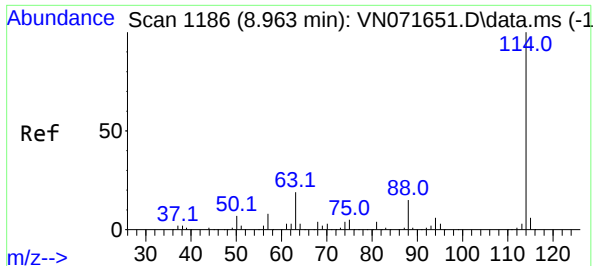
Tgt Ion: 56 Resp: 10477  
Ion Ratio Lower Upper  
56 100  
69 192.0 27.8 41.8#  
84 175.3 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 51.521 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

Tgt Ion: 65 Resp: 363675  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 104.8

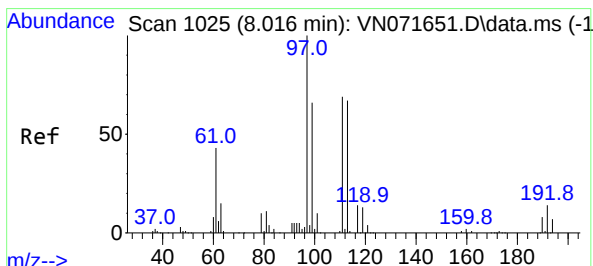
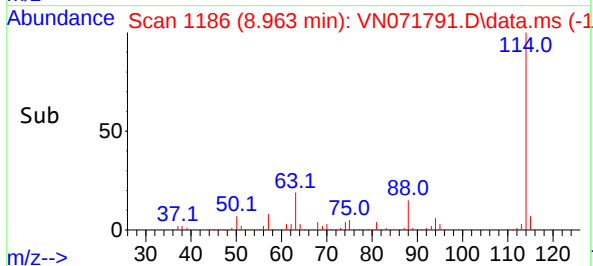
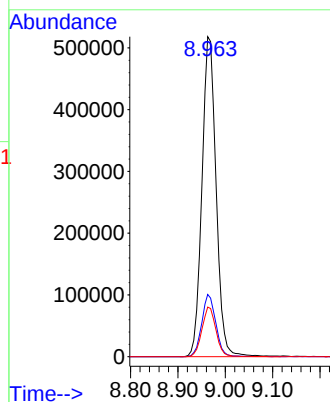
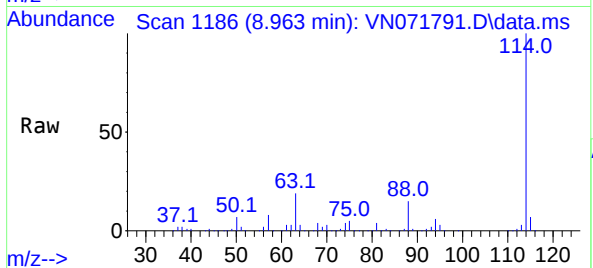




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

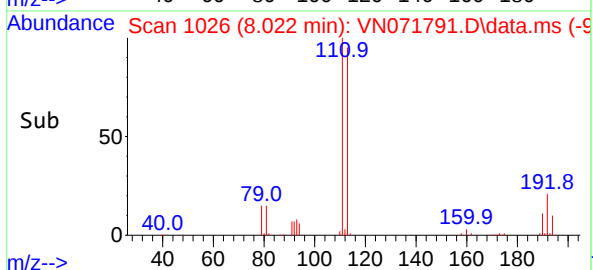
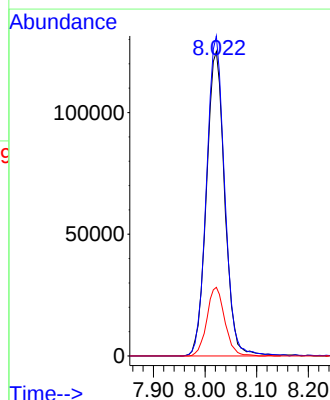
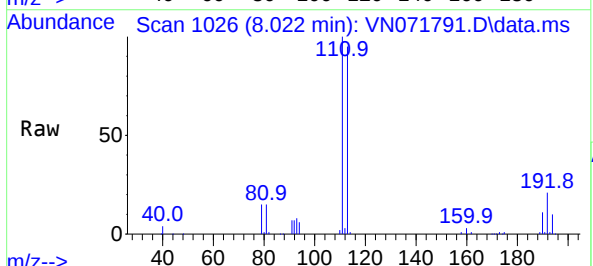
Instrument :  
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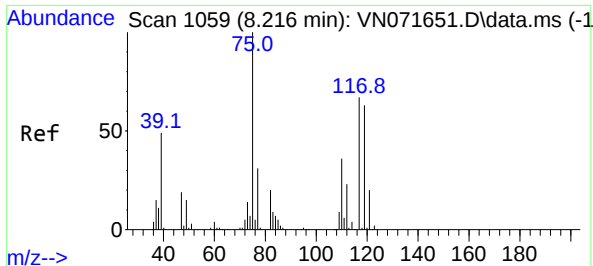
Tgt Ion:114 Resp: 1073937  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 40.0  
88 15.5 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 48.656 ug/l  
RT: 8.022 min Scan# 1026  
Delta R.T. 0.006 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

Tgt Ion:113 Resp: 307485  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.4 122.0  
192 22.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071791.D

Acq: 02 Apr 2022 07:23

Instrument :

MSVOA\_N

ClientSampleId :

MW-33

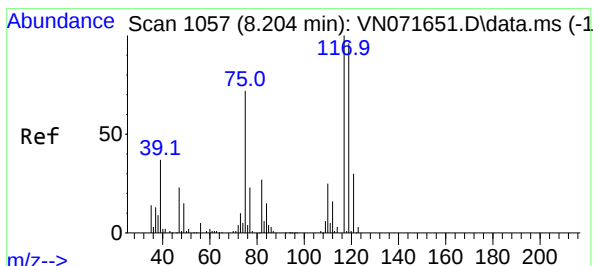
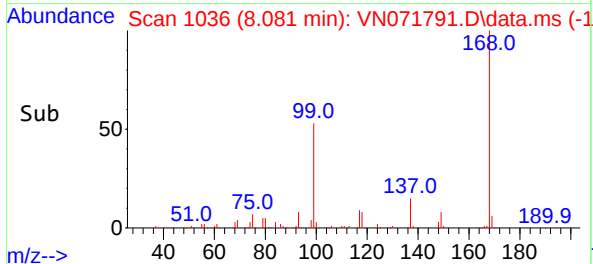
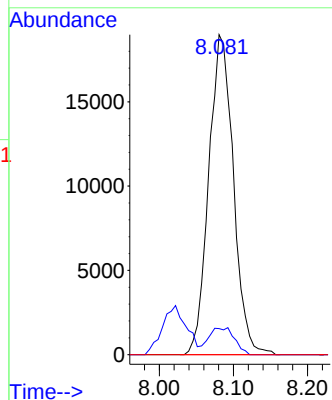
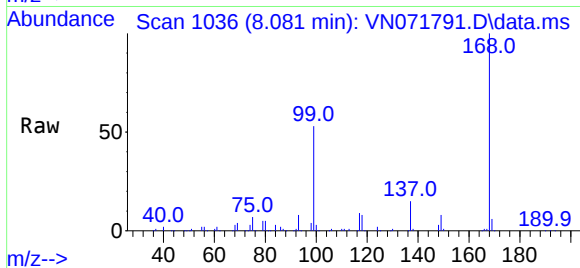
Tgt Ion: 75 Resp: 43846

Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.711 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.117 min

Lab File: VN071791.D

Acq: 02 Apr 2022 07:23

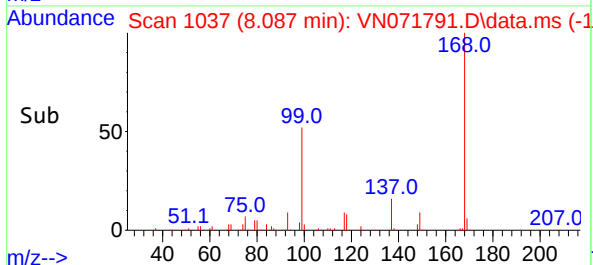
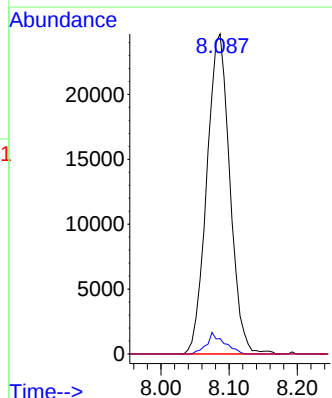
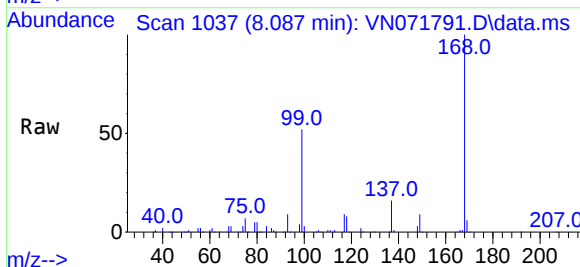
Tgt Ion: 117 Resp: 58042

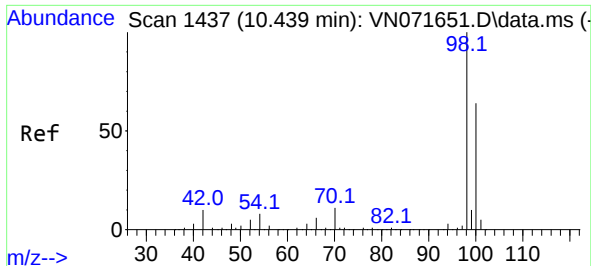
Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.8#

121 0.0 24.6 37.0#

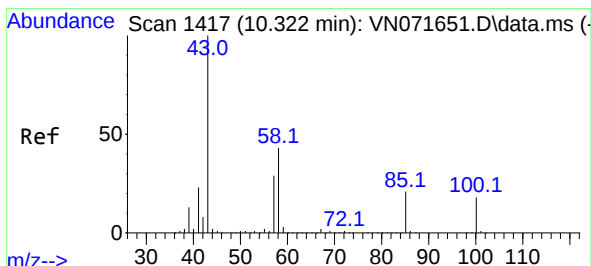
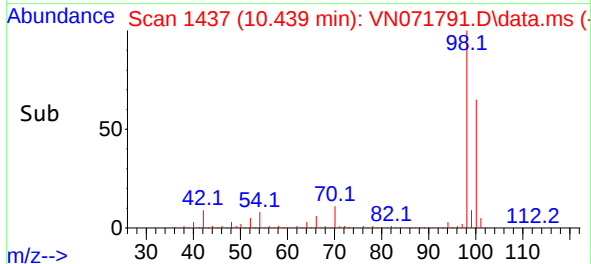
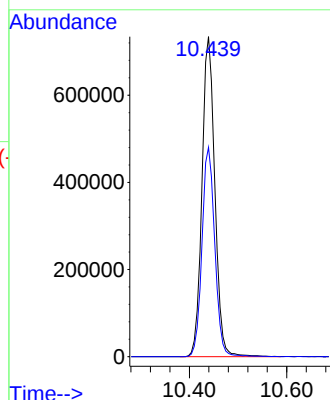
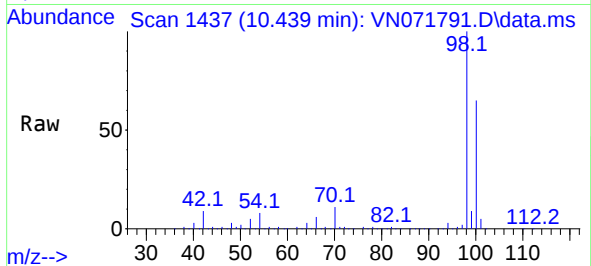




#50  
Toluene-d8  
Concen: 52.005 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

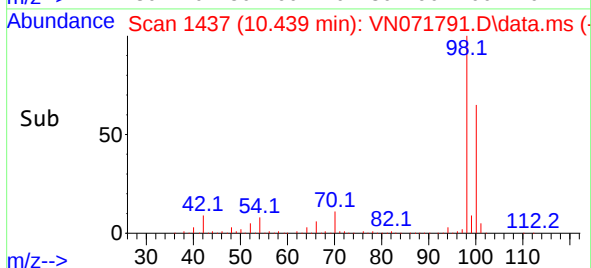
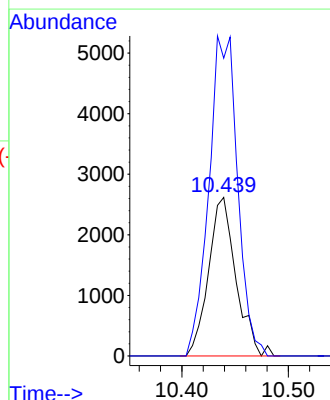
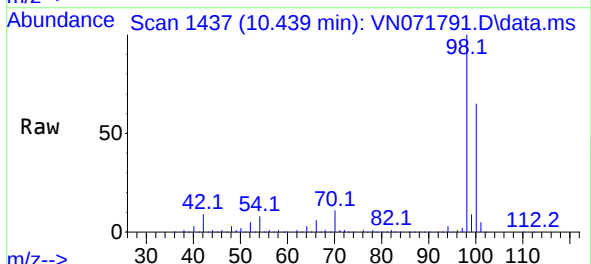
Instrument :  
MSVOA\_N  
ClientSampleId :  
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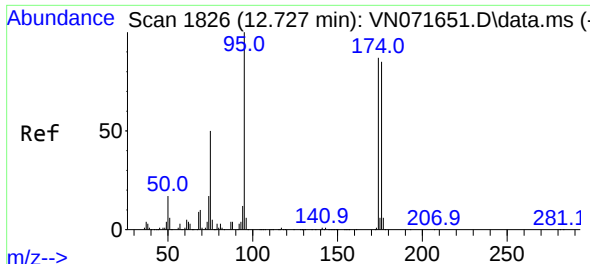
Tgt Ion: 98 Resp: 1344420  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.508 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.117 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

Tgt Ion: 43 Resp: 4694  
Ion Ratio Lower Upper  
43 100  
58 210.8 34.1 51.1#

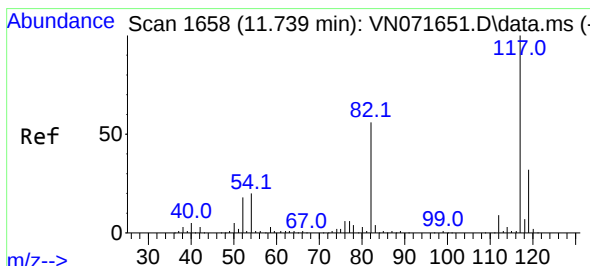
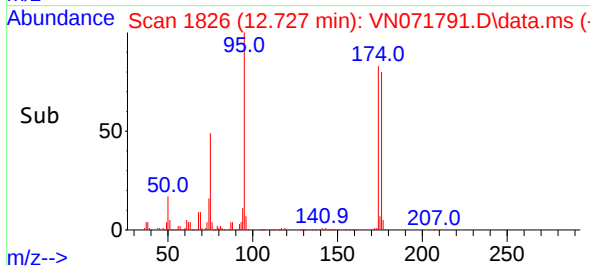
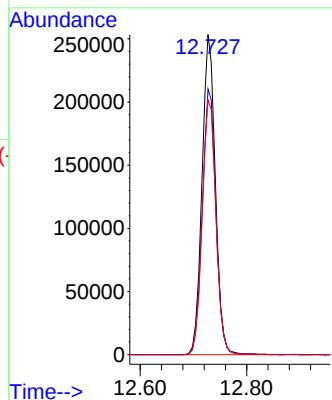
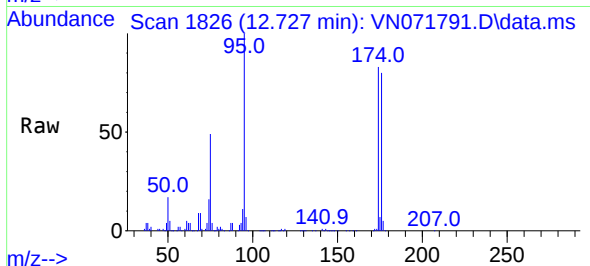




#62  
4-Bromofluorobenzene  
Concen: 52.373 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

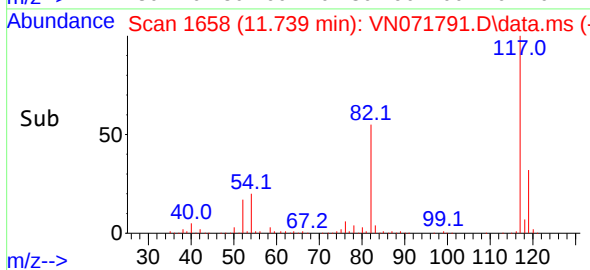
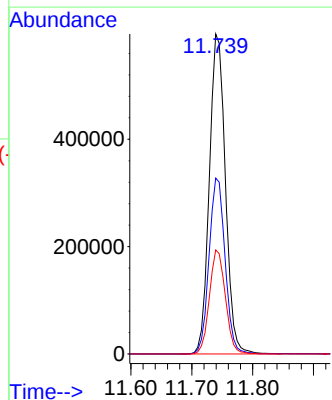
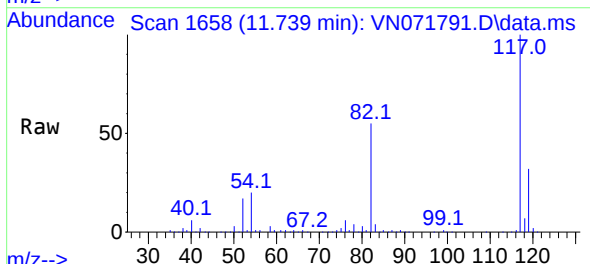
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-33

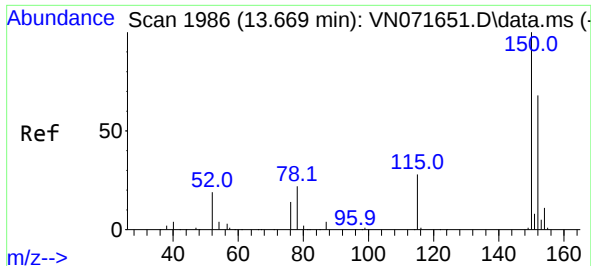
Tgt Ion: 95 Resp: 437877  
Ion Ratio Lower Upper  
95 100  
174 85.0 0.0 167.6  
176 81.8 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

Tgt Ion: 117 Resp: 1093871  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.2 66.2  
119 32.5 25.4 38.0

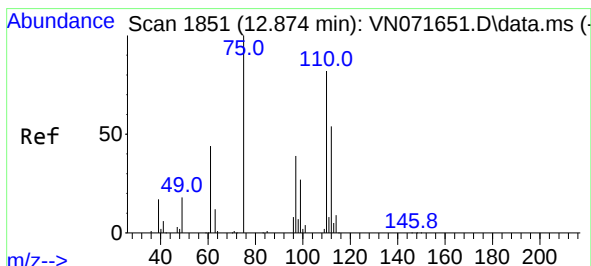
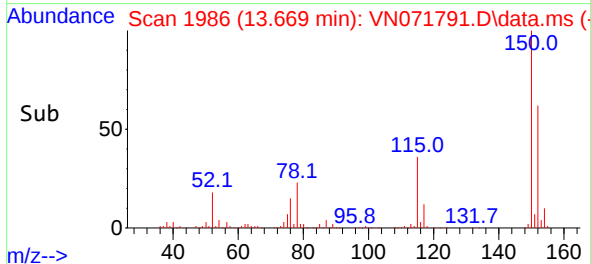
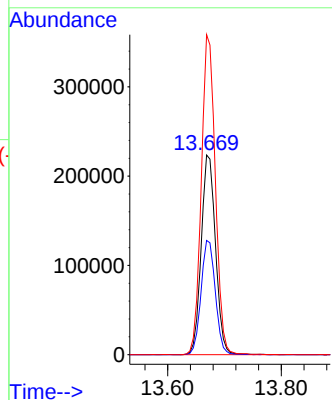
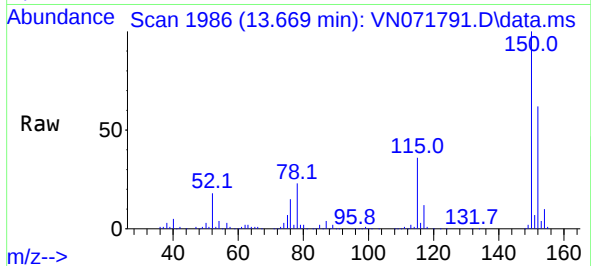




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.669 min Scan# 1986  
Delta R.T. -0.000 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

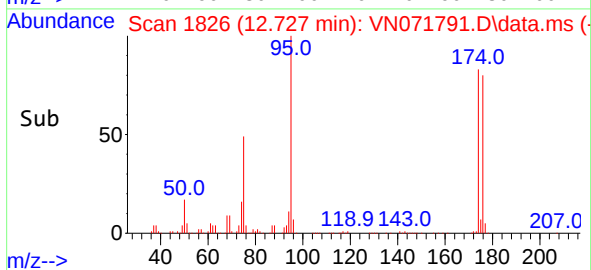
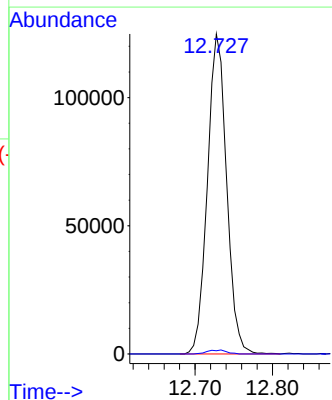
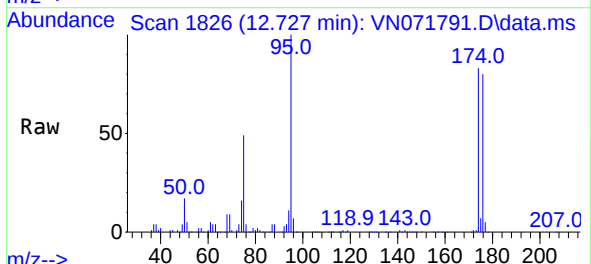
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-33

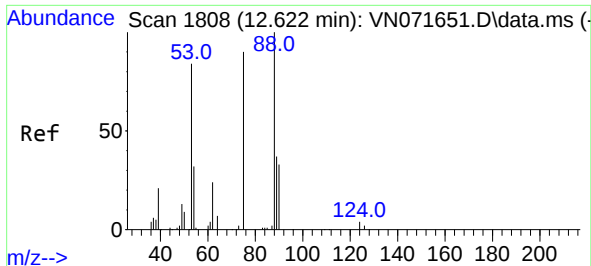
Tgt Ion:152 Resp: 391682  
Ion Ratio Lower Upper  
152 100  
115 57.1 28.9 86.7  
150 157.2 0.0 356.2



#76  
1,2,3-Trichloropropane  
Concen: 23.648 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.147 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

Tgt Ion: 75 Resp: 214572  
Ion Ratio Lower Upper  
75 100  
77 1.2 98.5 295.5#

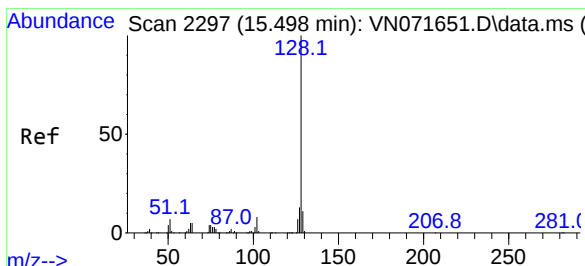
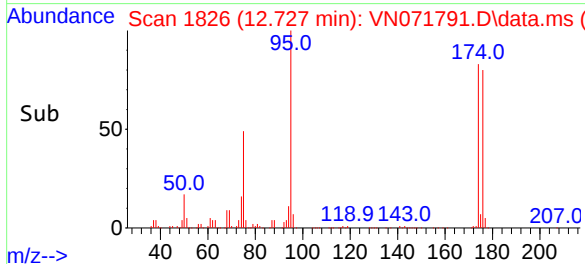
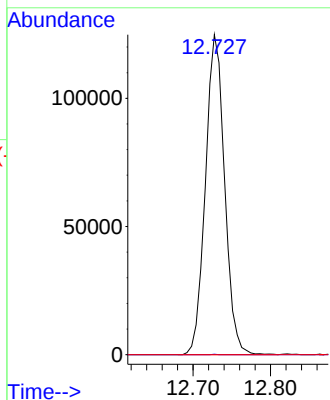
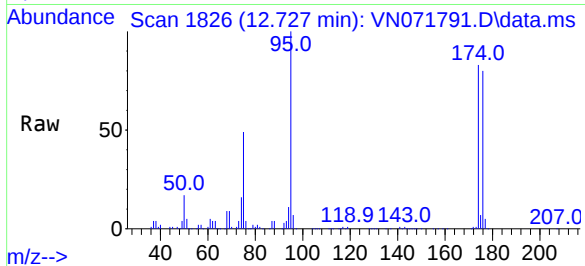




#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.284 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.105 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-33

Tgt Ion: 75 Resp: 214572  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#



#95  
Naphthalene  
Concen: 3.811 ug/l  
RT: 15.498 min Scan# 2297  
Delta R.T. -0.000 min  
Lab File: VN071791.D  
Acq: 02 Apr 2022 07:23

Tgt Ion: 128 Resp: 149  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.6 13.0#

