

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100722\  
 Data File : VN074811.D  
 Acq On : 07 Oct 2022 15:07  
 Operator : JC\MD  
 Sample : N5002-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 5486-3

Quant Time: Oct 08 03:53:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 05:37:50 2022  
 Response via : Initial Calibration

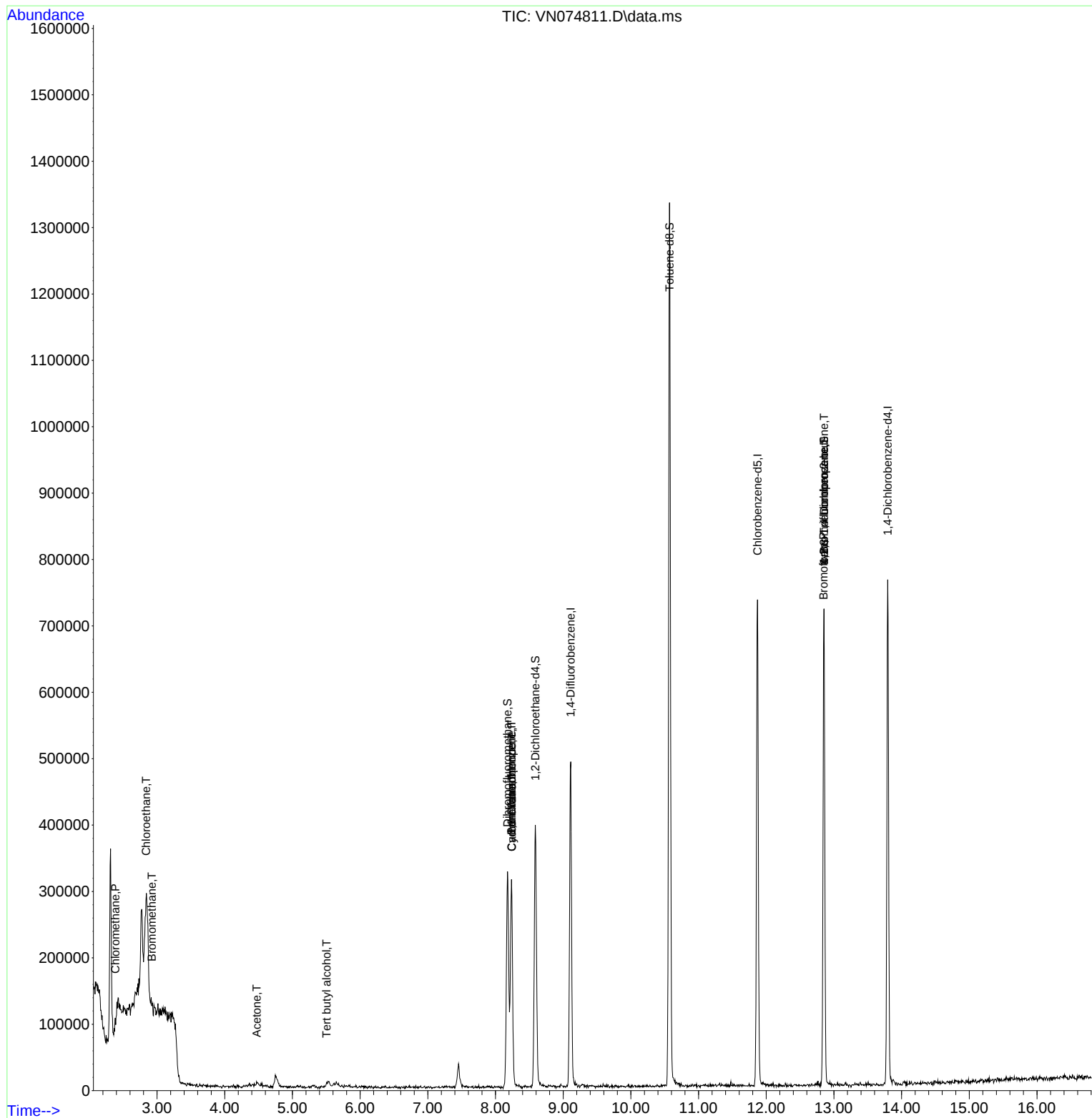
| Compound                      | R.T.   | QIon           | Response | Conc       | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|-------|----------|
| -----                         |        |                |          |            |       |          |
| Internal Standards            |        |                |          |            |       |          |
| 1) Pentafluorobenzene         | 8.235  | 168            | 222906   | 50.000     | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 9.112  | 114            | 415164   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.870 | 117            | 405937   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152            | 202329   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds   |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.588  | 65             | 290922   | 55.082     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range 74 - 125 | Recovery | = 110.160% |       |          |
| 35) Dibromofluoromethane      | 8.177  | 113            | 227764   | 54.299     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 108.600% |       |          |
| 50) Toluene-d8                | 10.571 | 98             | 914565   | 50.813     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range 86 - 113 | Recovery | = 101.620% |       |          |
| 62) 4-Bromofluorobenzene      | 12.853 | 95             | 237497   | 43.408     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | = 86.820%  |       |          |
| Target Compounds              |        |                |          |            |       |          |
|                               |        |                |          |            |       | Qvalue   |
| 3) Chloromethane              | 2.383  | 50             | 1675     | 0.246      | ug/l  | # 70     |
| 5) Bromomethane               | 2.924  | 94             | 1965     | 0.331      | ug/l  | # 3      |
| 6) Chloroethane               | 2.836  | 64             | 203207   | 32.629     | ug/l  | # 49     |
| 11) Tert butyl alcohol        | 5.506  | 59             | 4743     | 2.681      | ug/l  | # 74     |
| 13) Acrolein                  | 4.189  | 56             | 93       | Below Cal  | #     | 1        |
| 16) Acetone                   | 4.471  | 43             | 8506     | 2.842      | ug/l  | 92       |
| 20) Methylene Chloride        | 5.300  | 84             | 582      | Below Cal  | #     | 69       |
| 31) Cyclohexane               | 8.241  | 56             | 6840     | 0.749      | ug/l  | # 55     |
| 36) 1,1-Dichloropropene       | 8.235  | 75             | 20975    | 3.089      | ug/l  | # 52     |
| 38) Carbon Tetrachloride      | 8.241  | 117            | 20885    | 3.262      | ug/l  | # 19     |
| 71) Bromoform                 | 12.847 | 173            | 1622     | 0.468      | ug/l  | # 1      |
| 75) 1,1,2,2-Tetrachloroethane | 12.876 | 83             | 158      | Below Cal  | #     | 24       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75             | 131319   | 21.745     | ug/l  | # 1      |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75             | 131319   | 42.368     | ug/l  | # 14     |
| 96) 1,2,3-Trichlorobenzene    | 16.088 | 180            | 62       | Below Cal  | #     | 12       |
| -----                         |        |                |          |            |       |          |

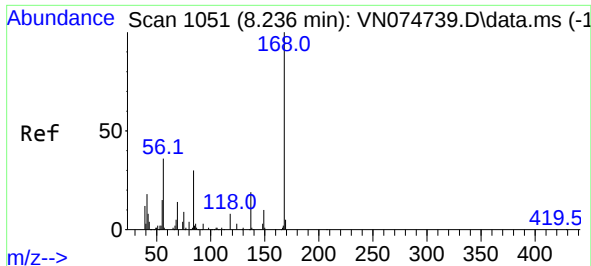
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100722\  
Data File : VN074811.D  
Acq On : 07 Oct 2022 15:07  
Operator : JC\MD  
Sample : N5002-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

Quant Time: Oct 08 03:53:04 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 05:37:50 2022  
Response via : Initial Calibration

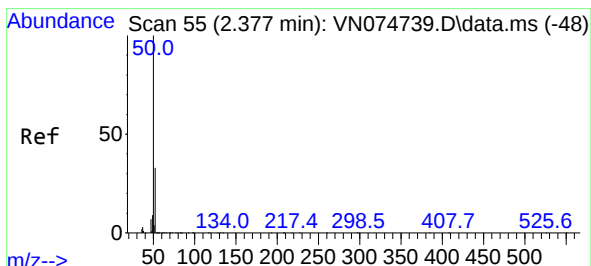
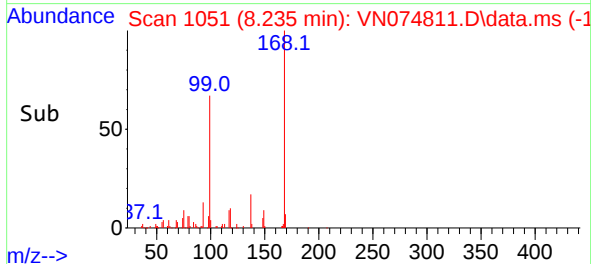
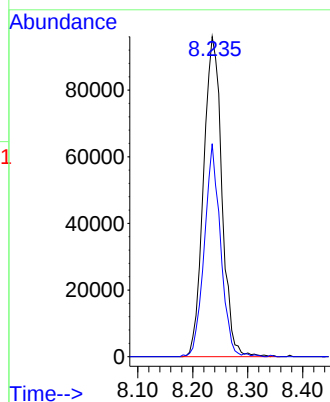
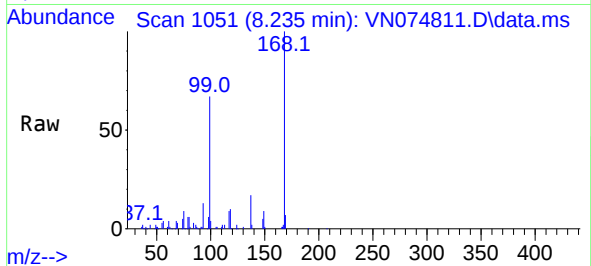




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1051  
Delta R.T. -0.001 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

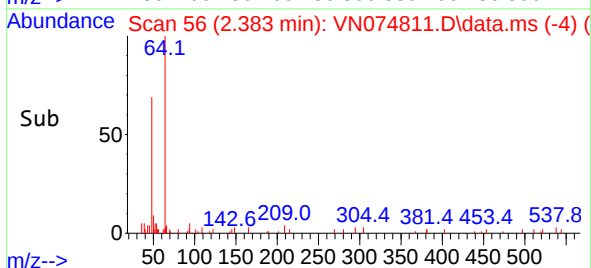
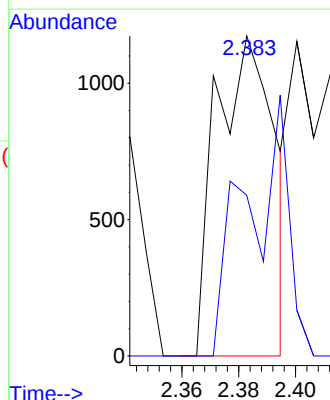
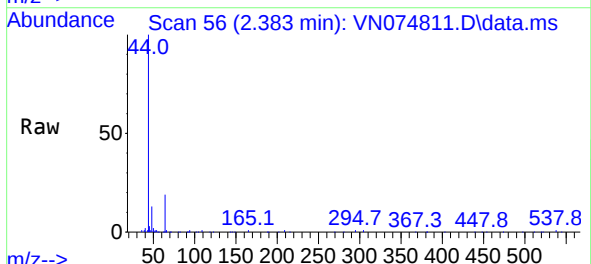
Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

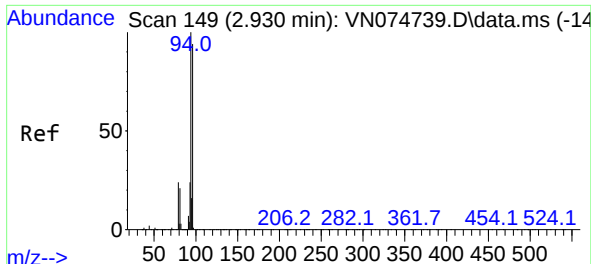
Tgt Ion:168 Resp: 222906  
Ion Ratio Lower Upper  
168 100  
99 66.5 42.8 64.2#



#3  
Chloromethane  
Concen: 0.246 ug/l  
RT: 2.383 min Scan# 56  
Delta R.T. 0.006 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

Tgt Ion: 50 Resp: 1675  
Ion Ratio Lower Upper  
50 100  
52 50.2 26.7 40.1#

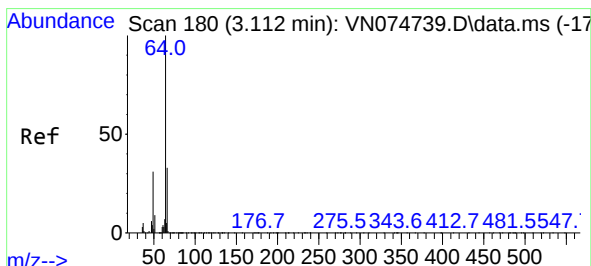
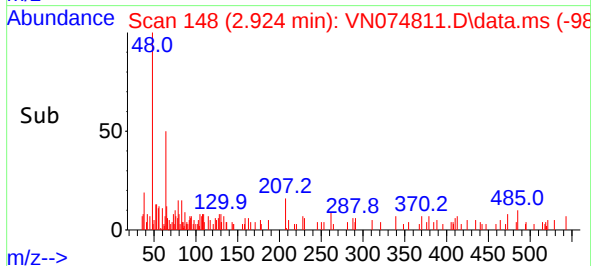
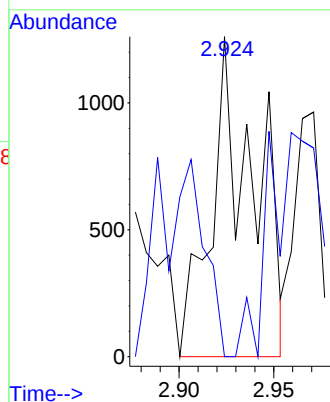
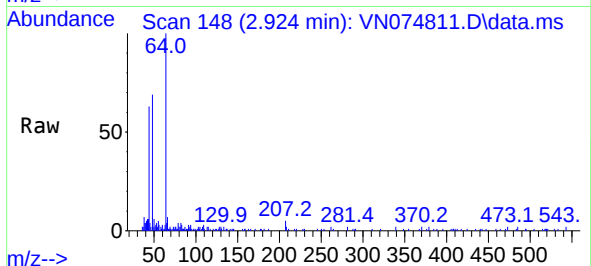




#5  
Bromomethane  
Concen: 0.331 ug/l  
RT: 2.924 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

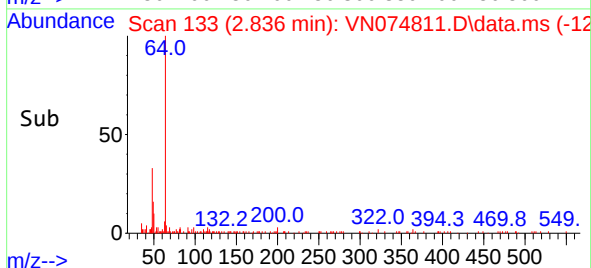
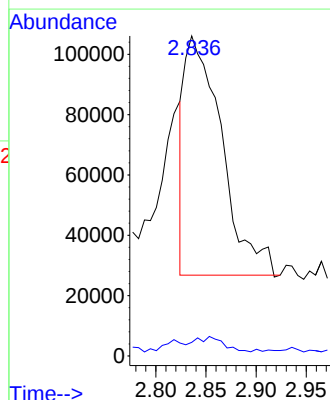
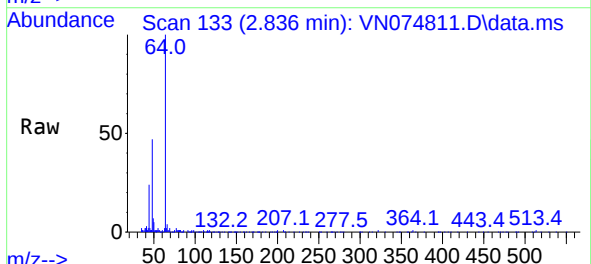
Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

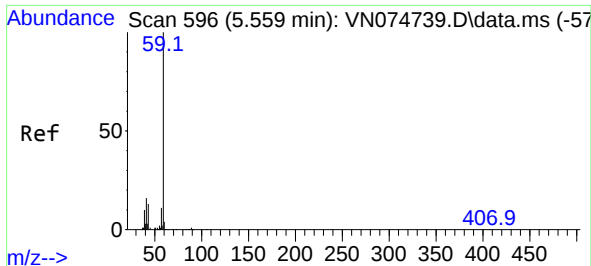
Tgt Ion: 94 Resp: 1965  
Ion Ratio Lower Upper  
94 100  
96 0.0 75.0 112.6#



#6  
Chloroethane  
Concen: 32.629 ug/l  
RT: 2.836 min Scan# 133  
Delta R.T. -0.277 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

Tgt Ion: 64 Resp: 203207  
Ion Ratio Lower Upper  
64 100  
66 3.4 25.1 37.7#

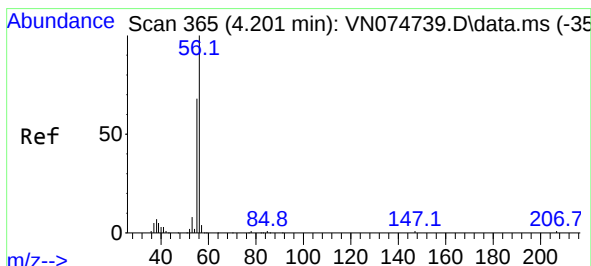
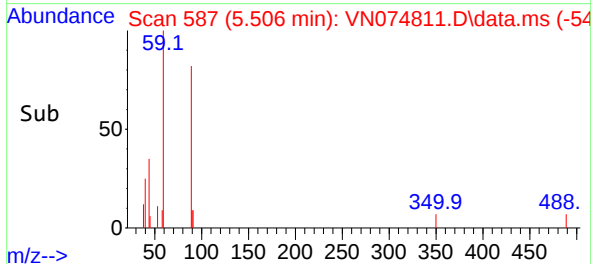
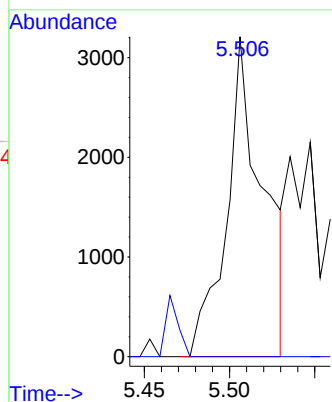
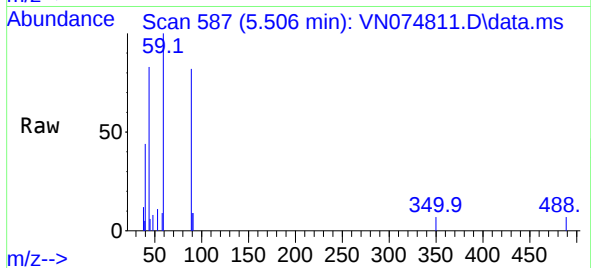




#11  
Tert butyl alcohol  
Concen: 2.681 ug/l  
RT: 5.506 min Scan# 51  
Delta R.T. -0.053 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

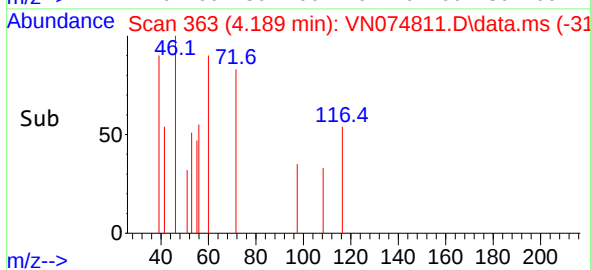
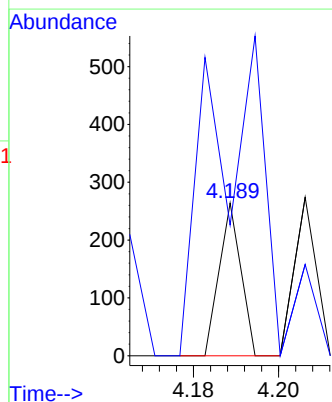
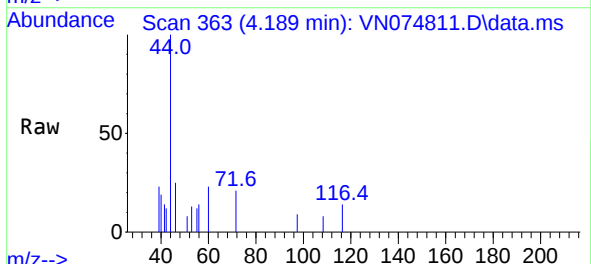
Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

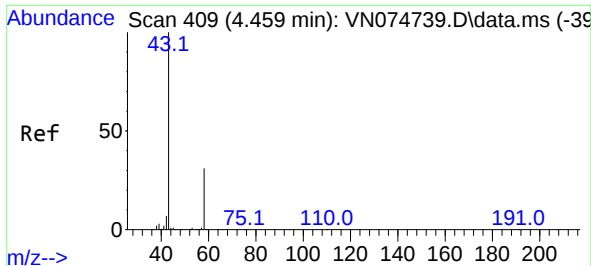
Tgt Ion: 59 Resp: 4743  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#



#13  
Acrolein  
Concen: Below Cal  
RT: 4.189 min Scan# 363  
Delta R.T. -0.012 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

Tgt Ion: 56 Resp: 93  
Ion Ratio Lower Upper  
56 100  
55 631.2 54.9 82.3#

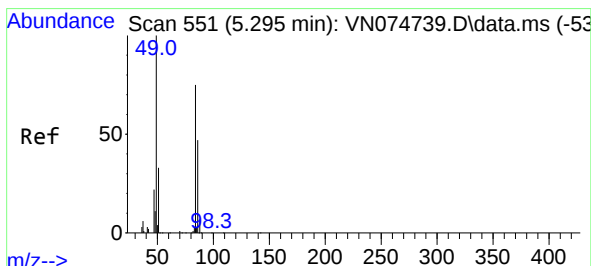
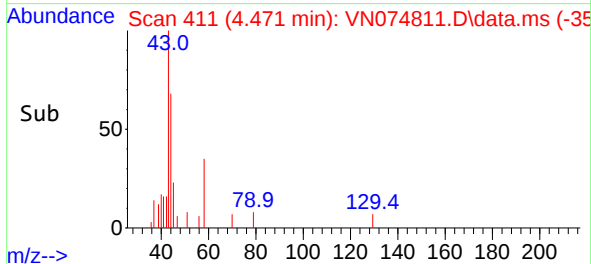
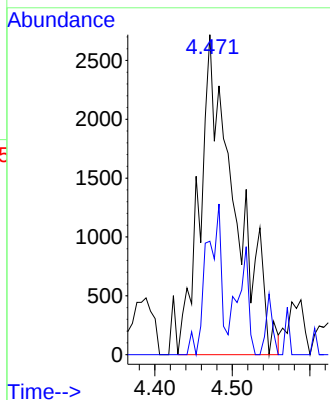
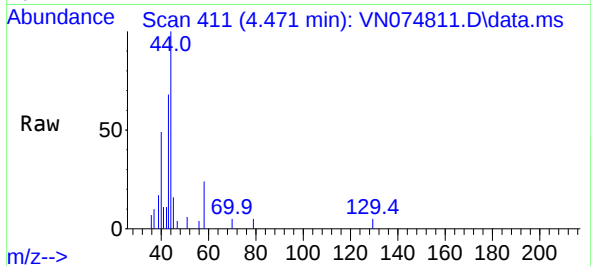




#16  
Acetone  
Concen: 2.842 ug/l  
RT: 4.471 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

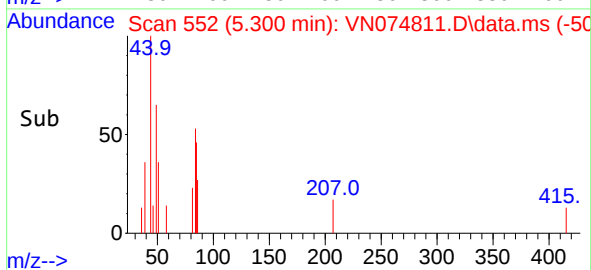
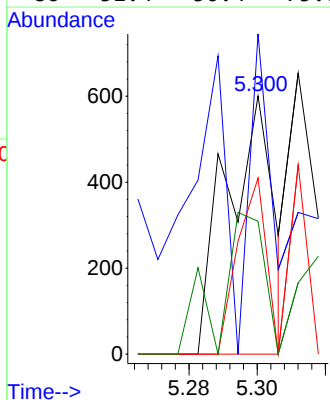
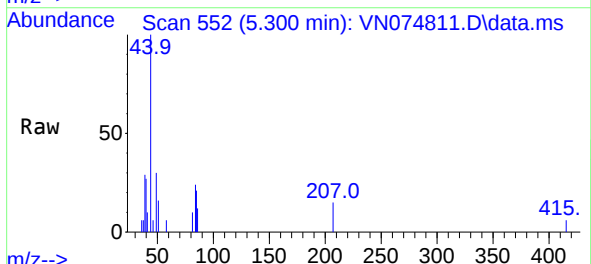
Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

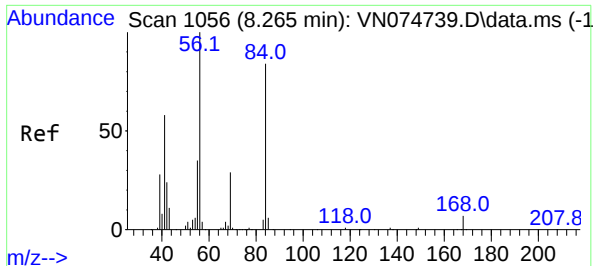
Tgt Ion: 43 Resp: 8506  
Ion Ratio Lower Upper  
43 100  
58 35.5 24.9 37.3



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.300 min Scan# 552  
Delta R.T. 0.005 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

Tgt Ion: 84 Resp: 582  
Ion Ratio Lower Upper  
84 100  
49 91.2 107.4 161.0#  
51 68.2 35.1 52.7#  
86 51.4 50.4 75.6





#31

Cyclohexane

Concen: 0.749 ug/l

RT: 8.241 min Scan# 11052

Delta R.T. -0.024 min

Lab File: VN074811.D

Acq: 07 Oct 2022 15:07

Instrument :

MSVOA\_N

ClientSampleId :

5486-3

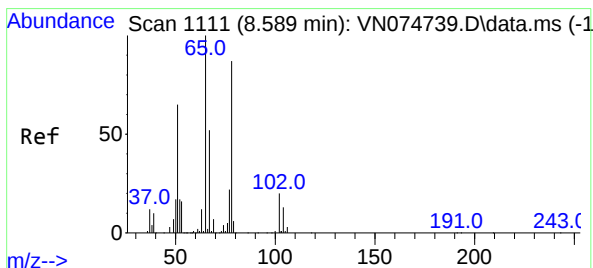
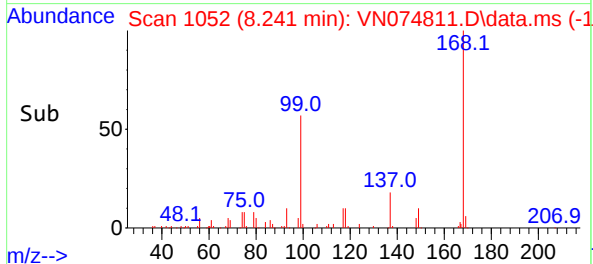
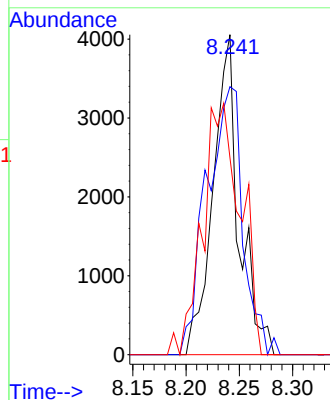
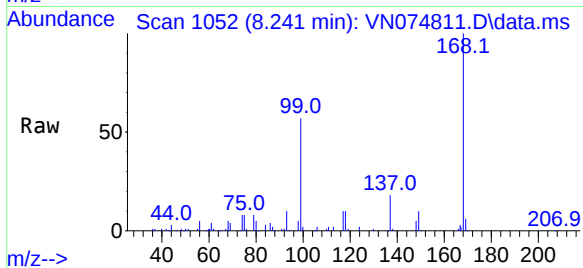
Tgt Ion: 56 Resp: 6840

Ion Ratio Lower Upper

56 100

69 83.7 23.1 34.7#

84 61.6 67.1 100.7#



#33

1,2-Dichloroethane-d4

Concen: 55.082 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074811.D

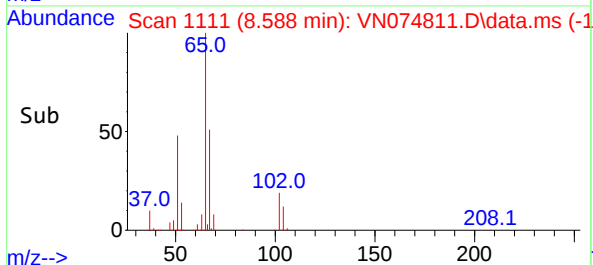
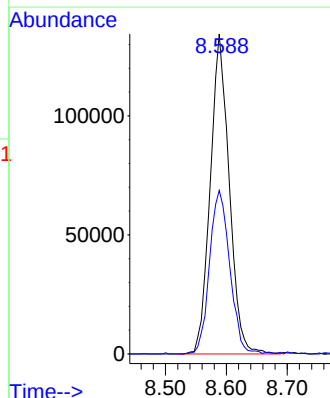
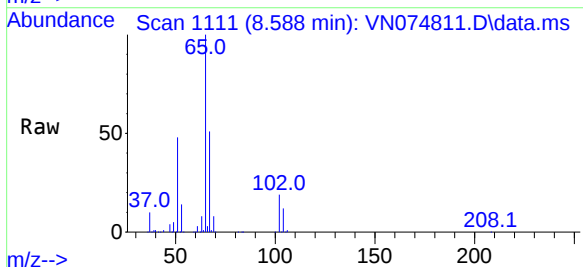
Acq: 07 Oct 2022 15:07

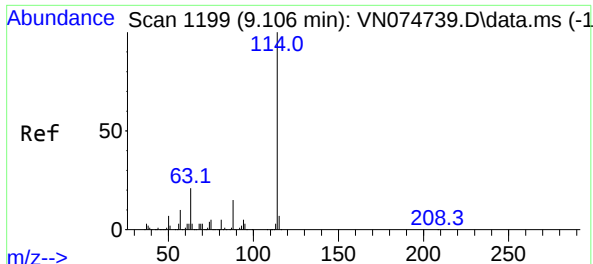
Tgt Ion: 65 Resp: 290922

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.0

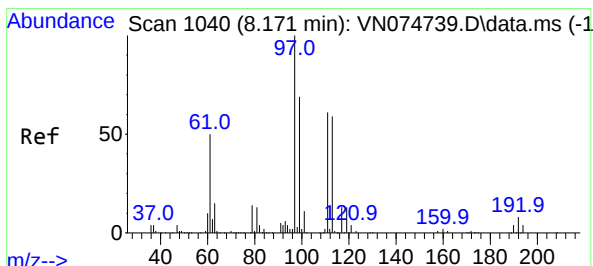
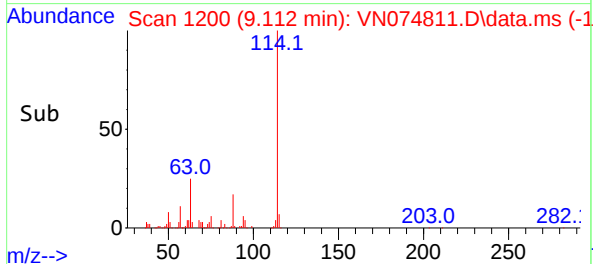
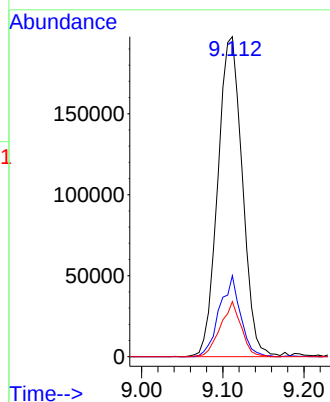
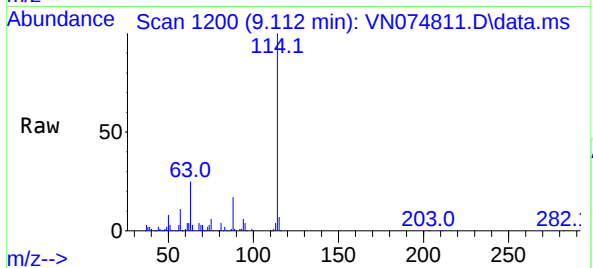




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.112 min Scan# 1199  
Delta R.T. 0.006 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

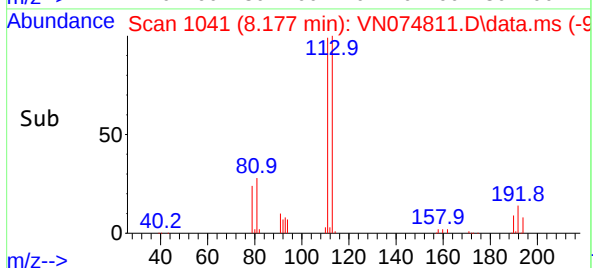
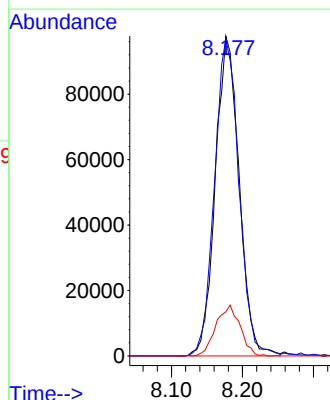
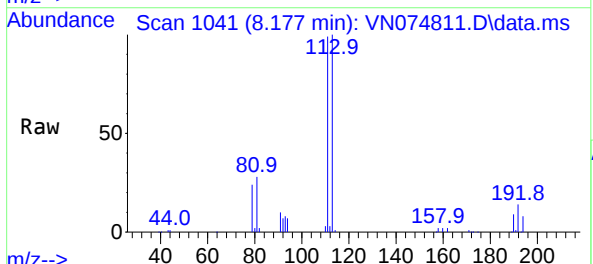
Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

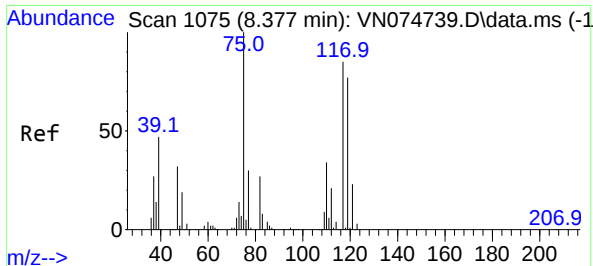
Tgt Ion:114 Resp: 415164  
Ion Ratio Lower Upper  
114 100  
63 25.3 0.0 41.2  
88 17.2 0.0 30.2



#35  
Dibromofluoromethane  
Concen: 54.299 ug/l  
RT: 8.177 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

Tgt Ion:113 Resp: 227764  
Ion Ratio Lower Upper  
113 100  
111 101.7 83.0 124.6  
192 16.1 12.6 18.8

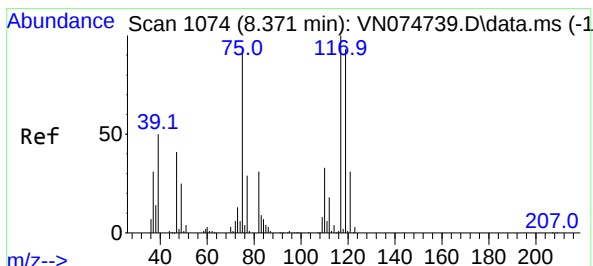
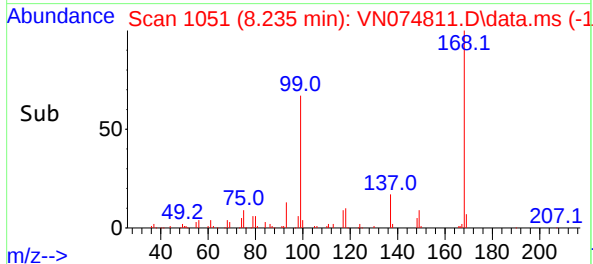
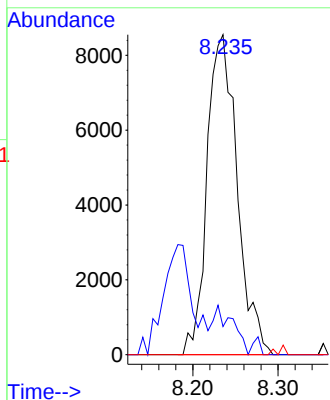
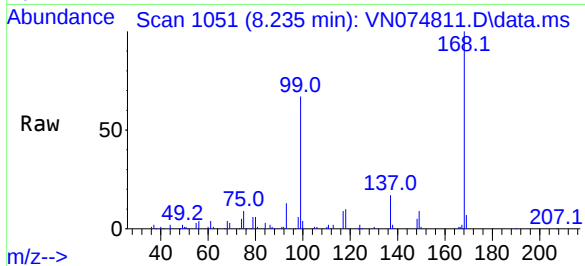




#36  
1,1-Dichloropropene  
Concen: 3.089 ug/l  
RT: 8.235 min Scan# 1051  
Delta R.T. -0.141 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

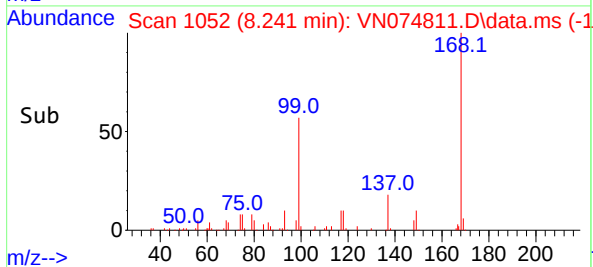
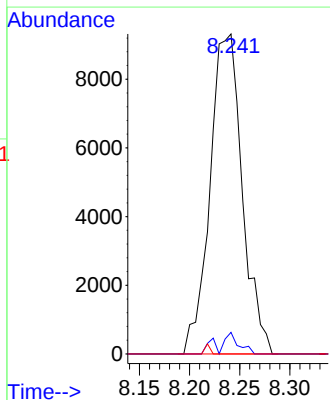
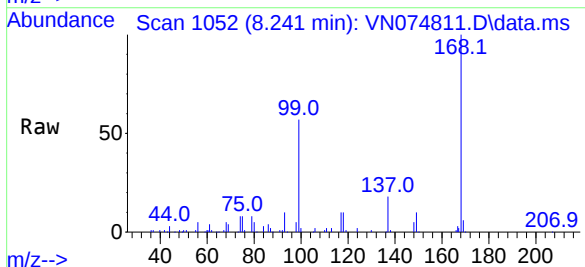
Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

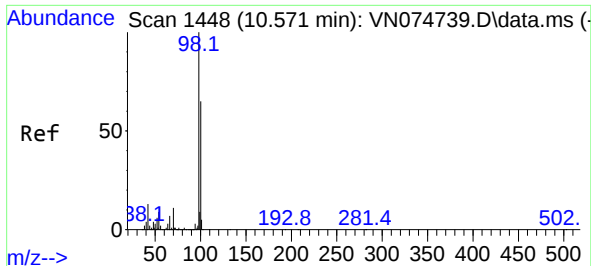
Tgt Ion: 75 Resp: 20975  
Ion Ratio Lower Upper  
75 100  
110 10.1 17.2 51.5#  
77 0.0 24.3 36.5#



#38  
Carbon Tetrachloride  
Concen: 3.262 ug/l  
RT: 8.241 min Scan# 1052  
Delta R.T. -0.130 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

Tgt Ion: 117 Resp: 20885  
Ion Ratio Lower Upper  
117 100  
119 6.8 74.3 111.5#  
121 0.0 25.0 37.4#

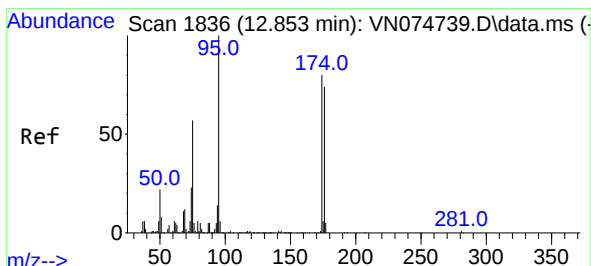
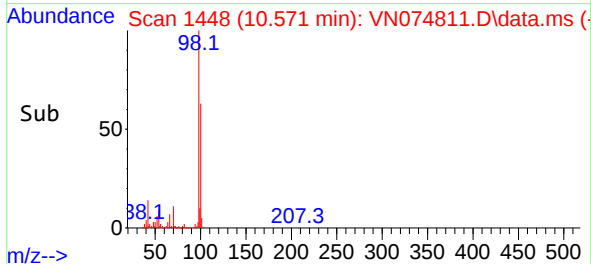
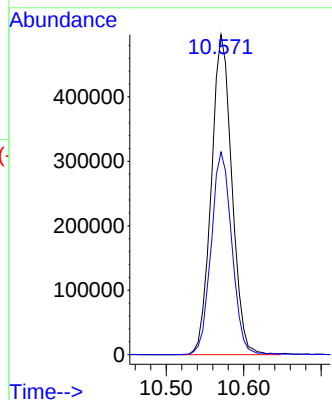
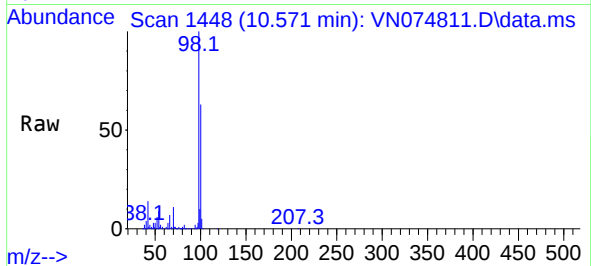




#50  
Toluene-d8  
Concen: 50.813 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

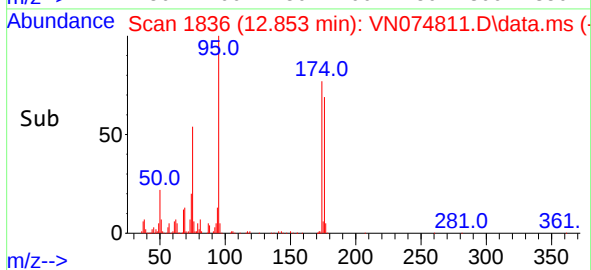
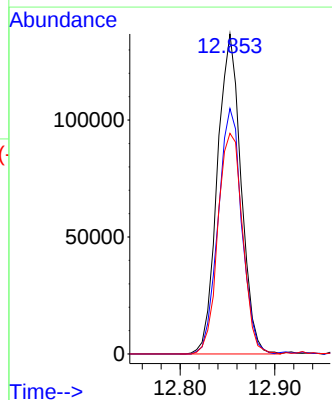
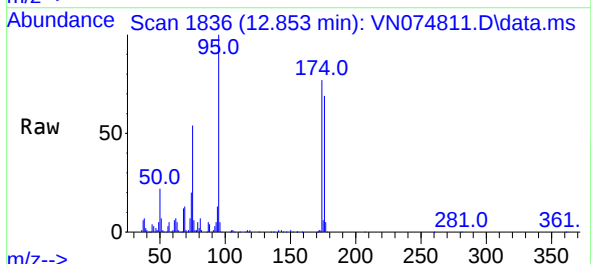
Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

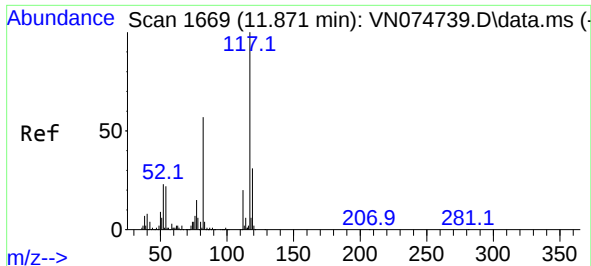
Tgt Ion: 98 Resp: 914565  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.7 76.1



#62  
4-Bromofluorobenzene  
Concen: 43.408 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

Tgt Ion: 95 Resp: 237497  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 149.4  
176 71.8 0.0 142.0

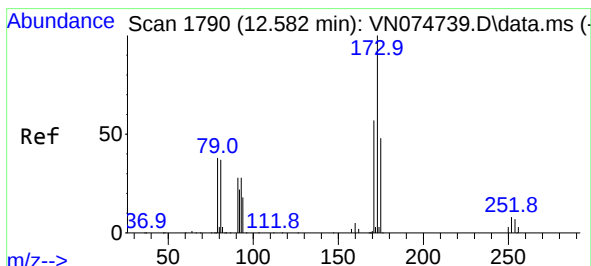
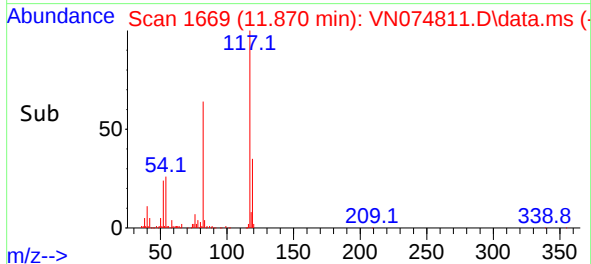
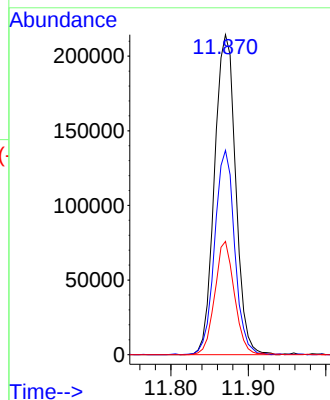
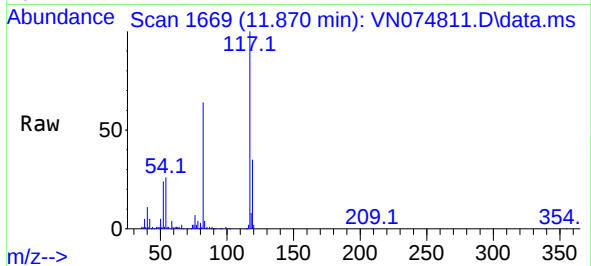




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

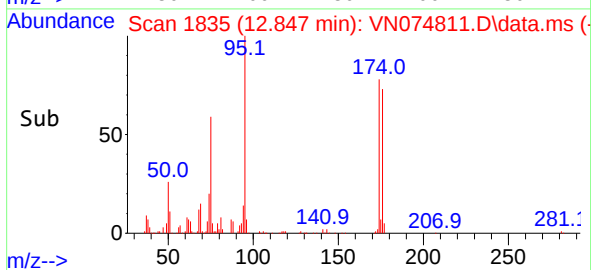
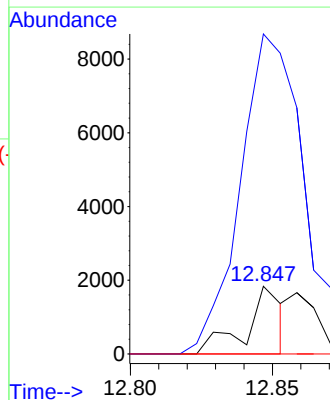
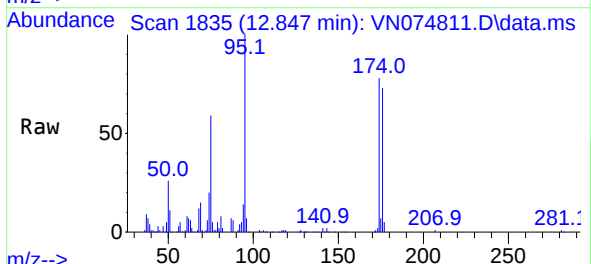
Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

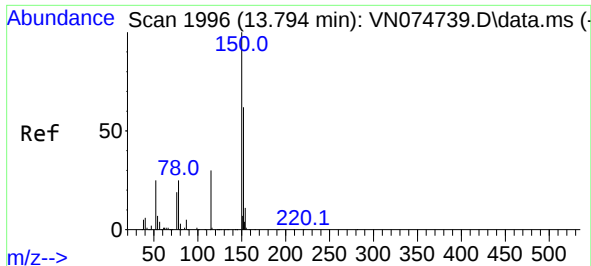
Tgt Ion:117 Resp: 405937  
Ion Ratio Lower Upper  
117 100  
82 63.9 45.4 68.2  
119 35.4 25.1 37.7



#71  
Bromoform  
Concen: 0.468 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. 0.264 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

Tgt Ion:173 Resp: 1622  
Ion Ratio Lower Upper  
173 100  
175 730.8 23.9 71.7#  
254 0.0 0.1 0.1#

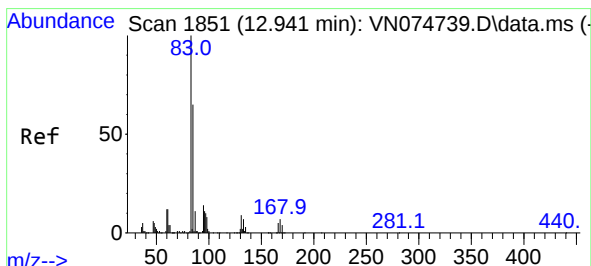
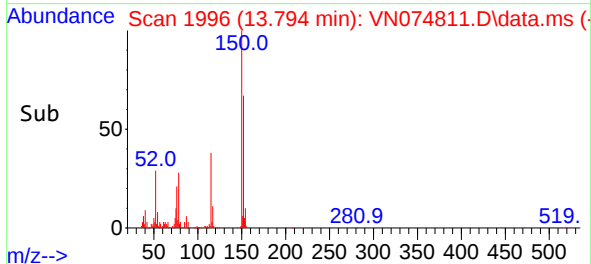
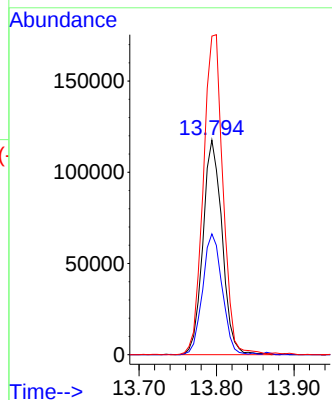
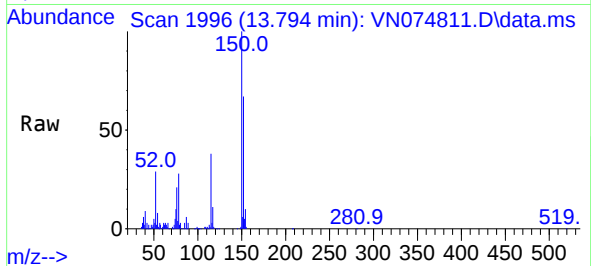




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

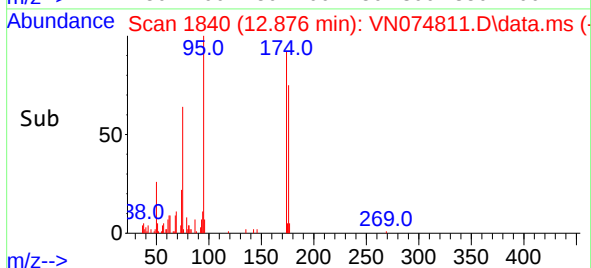
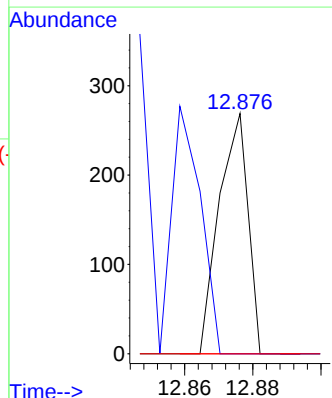
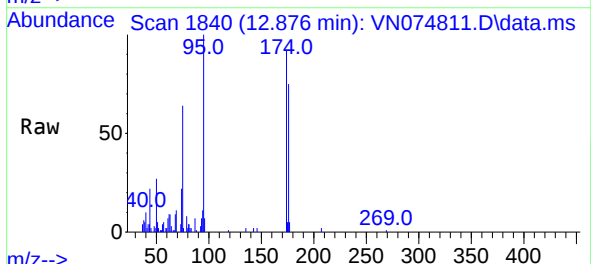
Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

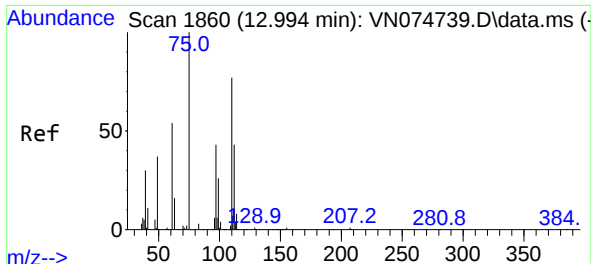
Tgt Ion:152 Resp: 202329  
Ion Ratio Lower Upper  
152 100  
115 57.3 30.0 90.0  
150 152.9 0.0 356.4



#75  
1,1,2,2-Tetrachloroethane  
Concen: Below Cal  
RT: 12.876 min Scan# 1840  
Delta R.T. -0.065 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

Tgt Ion: 83 Resp: 158  
Ion Ratio Lower Upper  
83 100  
131 0.0 4.3 12.8#  
85 0.0 32.9 98.6#

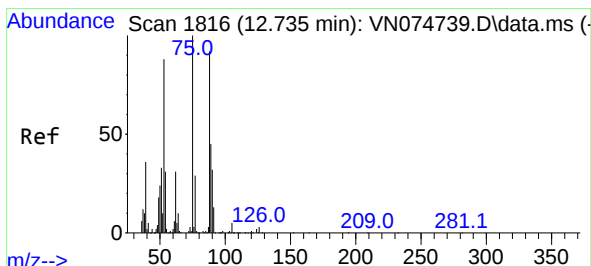
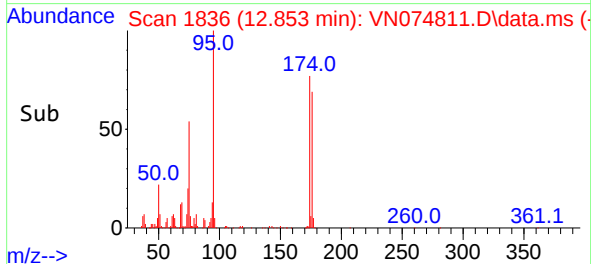
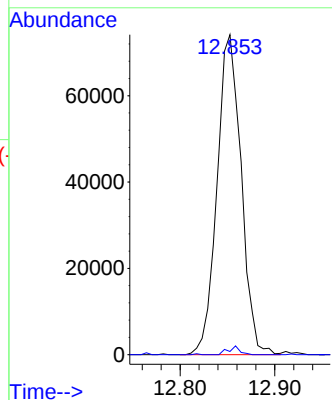
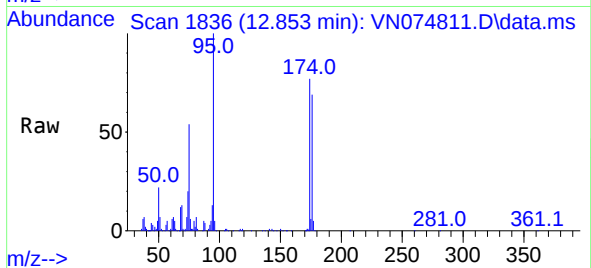




#76  
1,2,3-Trichloropropane  
Concen: 21.745 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

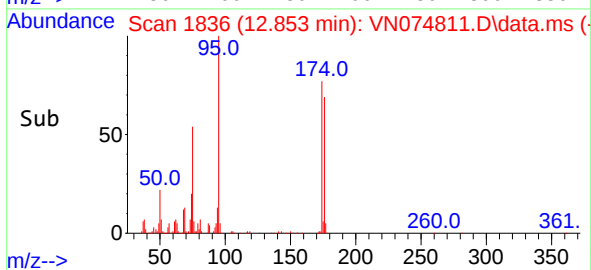
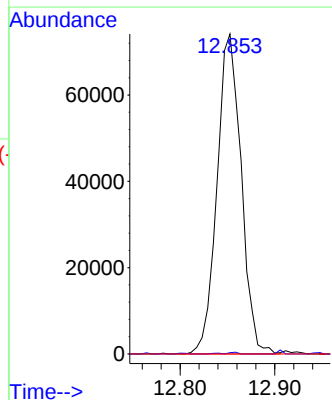
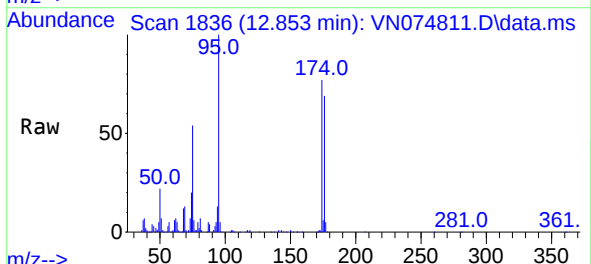
Instrument :  
MSVOA\_N  
ClientSampleId :  
5486-3

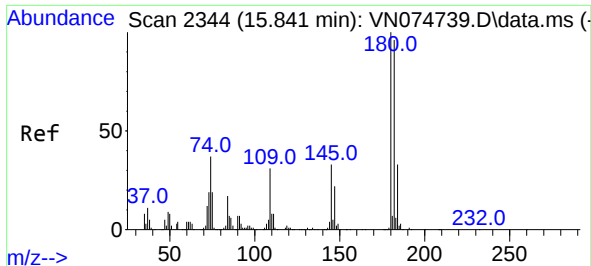
Tgt Ion: 75 Resp: 131319  
Ion Ratio Lower Upper  
75 100  
77 1.3 76.9 230.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 42.368 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.117 min  
Lab File: VN074811.D  
Acq: 07 Oct 2022 15:07

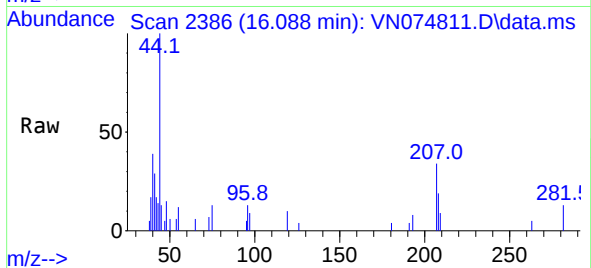
Tgt Ion: 75 Resp: 131319  
Ion Ratio Lower Upper  
75 100  
53 0.3 71.4 107.0#  
89 0.0 32.1 48.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: Below Cal  
 RT: 16.088 min Scan# 21  
 Delta R.T. 0.247 min  
 Lab File: VN074811.D  
 Acq: 07 Oct 2022 15:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 5486-3



Tgt Ion:180 Resp: 62  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 47.3 142.0#  
 145 0.0 17.1 51.2#

