

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091922\  
 Data File : VN074578.D  
 Acq On : 19 Sep 2022 11:49  
 Operator : JC\MD  
 Sample : VN0919WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 20 04:18:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 19:20:33 2022  
 Response via : Initial Calibration

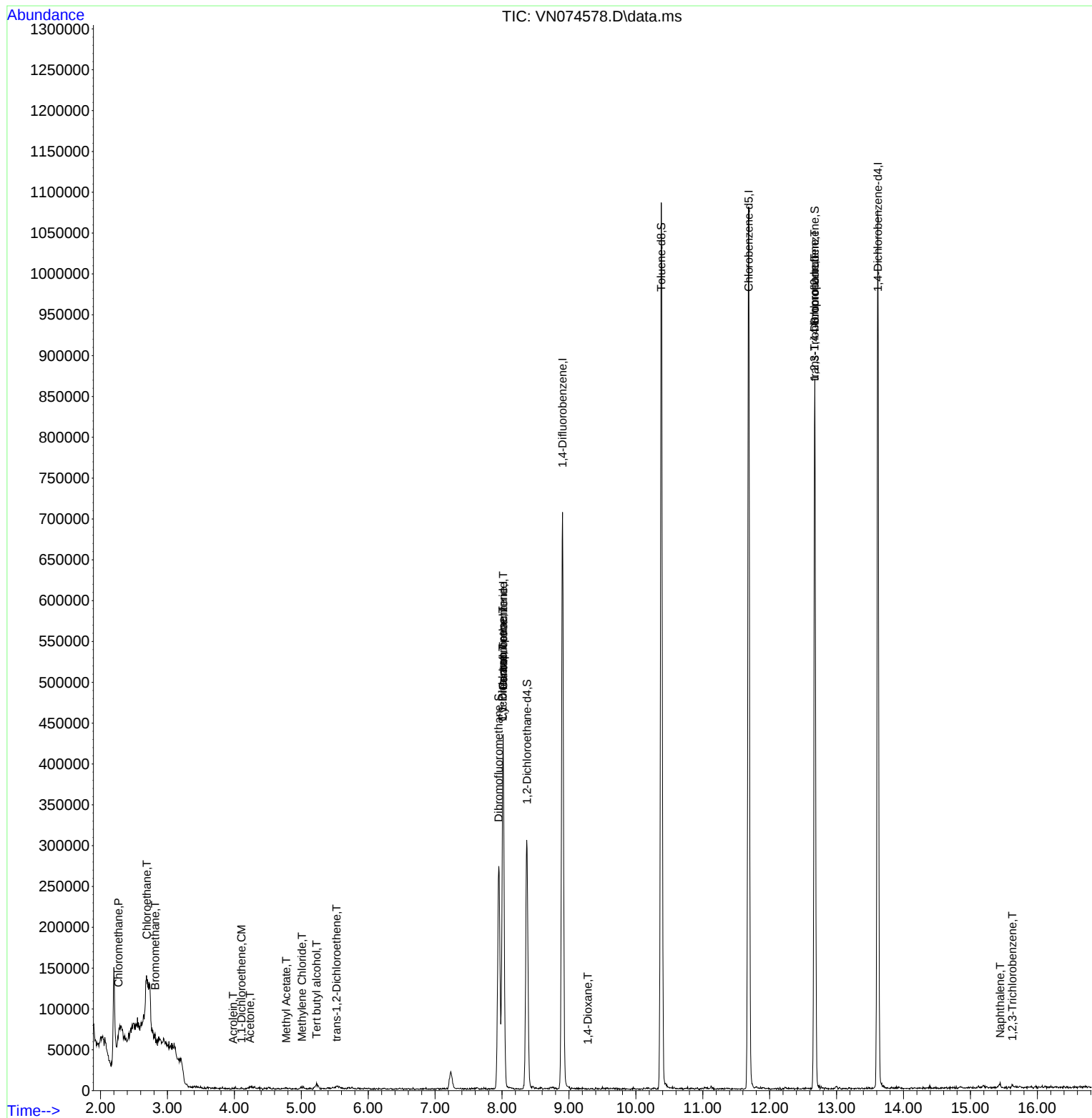
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.016  | 168   | 295077   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.904  | 114   | 577538   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.686 | 117   | 550137   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.616 | 152   | 242412   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.375  | 65    | 238664   | 47.669   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 95.340%  |
| 35) Dibromofluoromethane      | 7.951  | 113   | 193930   | 50.549   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 101.100% |
| 50) Toluene-d8                | 10.381 | 98    | 707610   | 47.692   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 95.380%  |
| 62) 4-Bromofluorobenzene      | 12.675 | 95    | 269578   | 53.049   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 106.100% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 2.269  | 50    | 2519     | 0.722    | ug/l   | 94       |
| 5) Bromomethane               | 2.816  | 94    | 1414     | 0.464    | ug/l   | # 28     |
| 6) Chloroethane               | 2.693  | 64    | 16659    | 4.219    | ug/l   | # 45     |
| 11) Tert butyl alcohol        | 5.228  | 59    | 4253     | 2.608    | ug/l   | # 77     |
| 12) 1,1-Dichloroethene        | 4.104  | 96    | 183      | 0.731    | ug/l   | # 1      |
| 13) Acrolein                  | 3.981  | 56    | 435      | 0.730    | ug/l   | # 69     |
| 16) Acetone                   | 4.234  | 43    | 2405     | 0.751    | ug/l   | # 71     |
| 18) Methyl Acetate            | 4.775  | 43    | 3279     | 0.330    | ug/l   | # 53     |
| 20) Methylene Chloride        | 5.010  | 84    | 835      | 0.201    | ug/l   | # 25     |
| 21) trans-1,2-Dichloroethene  | 5.528  | 96    | 62       | 0.443    | ug/l   | # 1      |
| 31) Cyclohexane               | 8.010  | 56    | 9424     | 1.060    | ug/l   | # 48     |
| 36) 1,1-Dichloropropene       | 8.010  | 75    | 29090    | 4.284    | ug/l   | # 51     |
| 38) Carbon Tetrachloride      | 8.016  | 117   | 32924    | 5.251    | ug/l   | # 16     |
| 49) 1,4-Dioxane               | 9.281  | 88    | 164      | 1.171    | ug/l   | # 14     |
| 76) 1,2,3-Trichloropropane    | 12.669 | 75    | 158437   | 21.234   | ug/l   | # 1      |
| 81) trans-1,4-Dichloro-2-b... | 12.669 | 75    | 158437   | 45.829   | ug/l   | # 10     |
| 95) Naphthalene               | 15.445 | 128   | 4857     | 1.816    | ug/l   | # 95     |
| 96) 1,2,3-Trichlorobenzene    | 15.627 | 180   | 743      | 1.482    | ug/l   | 98       |
| -----                         |        |       |          |          |        |          |

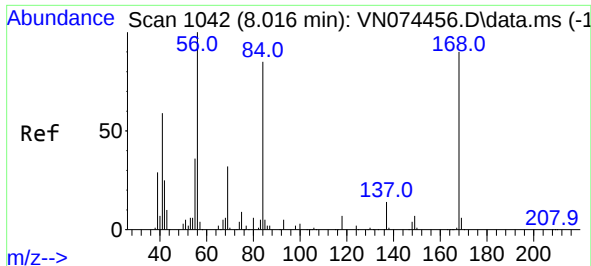
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0919WBL01  
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ALS Vial : 4 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :

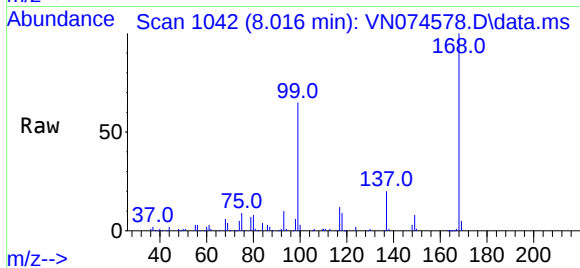
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091522W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 15 19:20:33 2022  
Response via : Initial Calibration



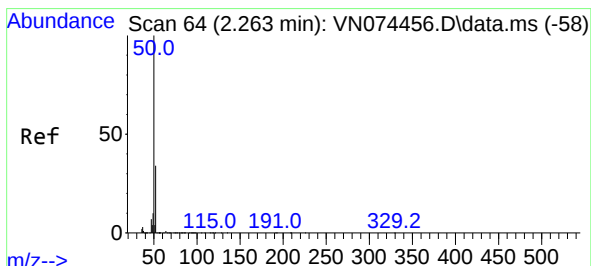
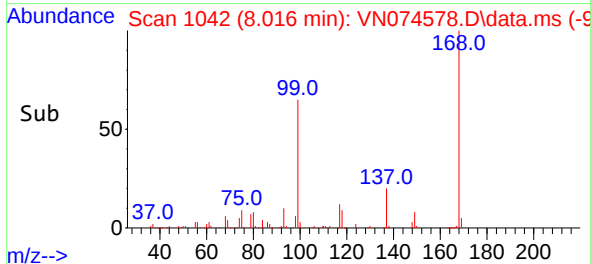
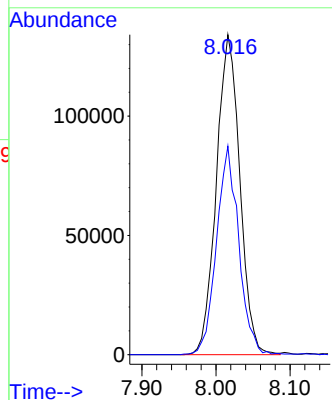


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

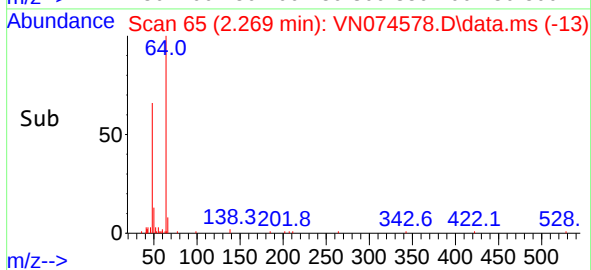
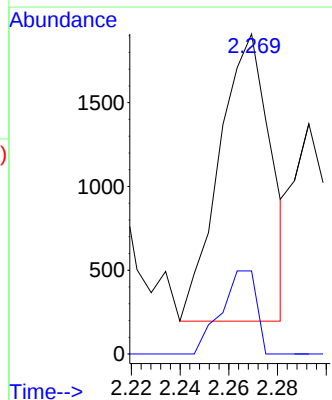
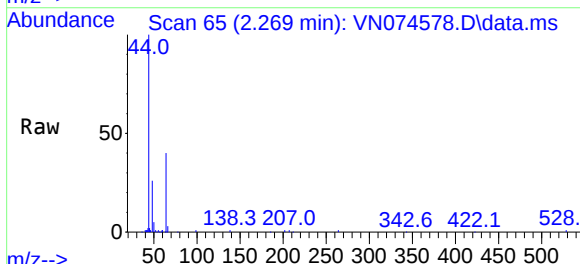


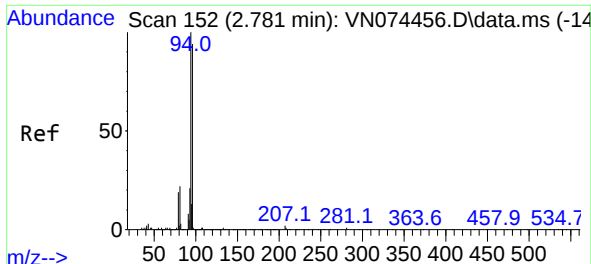
Tgt Ion:168 Resp: 295077  
Ion Ratio Lower Upper  
168 100  
99 65.2 42.3 63.5#



#3  
Chloromethane  
Concen: 0.722 ug/l  
RT: 2.269 min Scan# 65  
Delta R.T. 0.006 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Tgt Ion: 50 Resp: 2519  
Ion Ratio Lower Upper  
50 100  
52 28.9 25.7 38.5

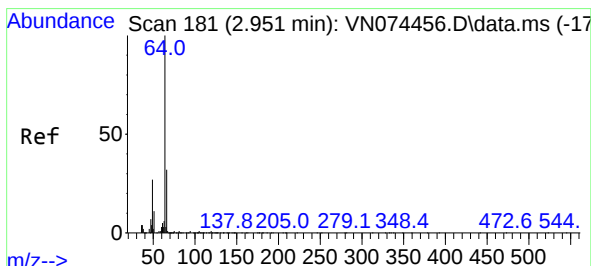
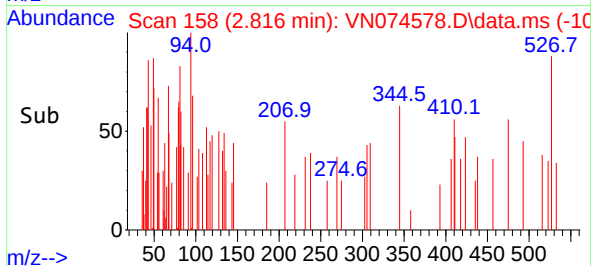
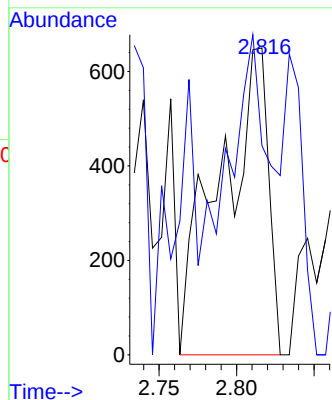
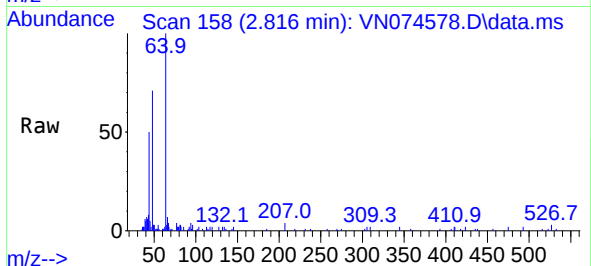




#5  
Bromomethane  
Concen: 0.464 ug/l  
RT: 2.816 min Scan# 11  
Delta R.T. 0.035 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

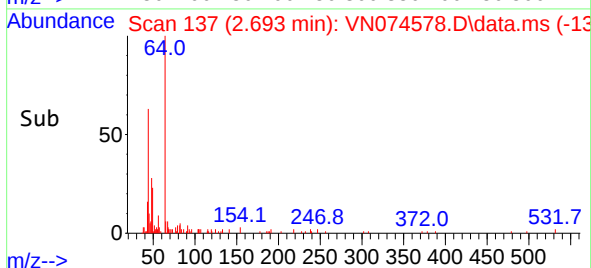
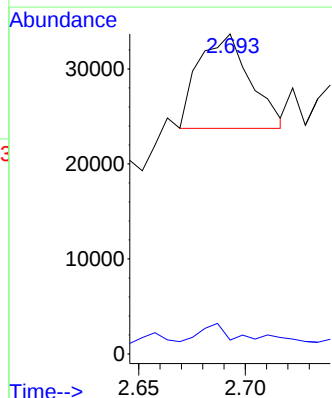
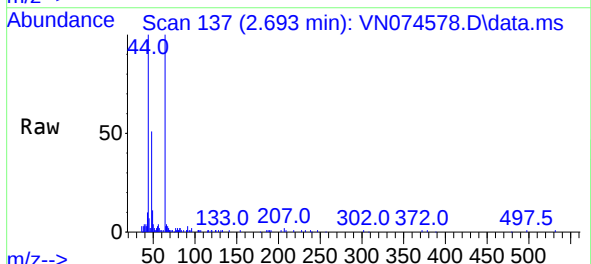
Instrument :  
MSVOA\_N  
ClientSampleId :

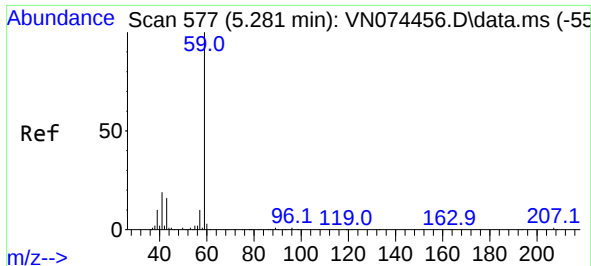
Tgt Ion: 94 Resp: 1414  
Ion Ratio Lower Upper  
94 100  
96 24.6 76.0 114.0#



#6  
Chloroethane  
Concen: 4.219 ug/l  
RT: 2.693 min Scan# 137  
Delta R.T. -0.258 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Tgt Ion: 64 Resp: 16659  
Ion Ratio Lower Upper  
64 100  
66 1.7 26.2 39.4#

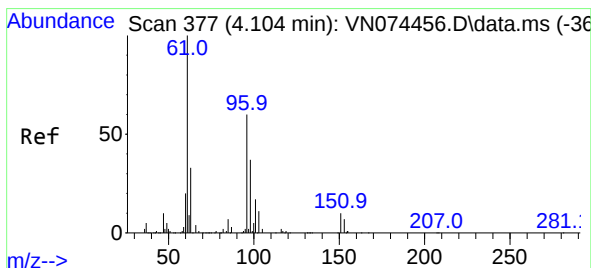
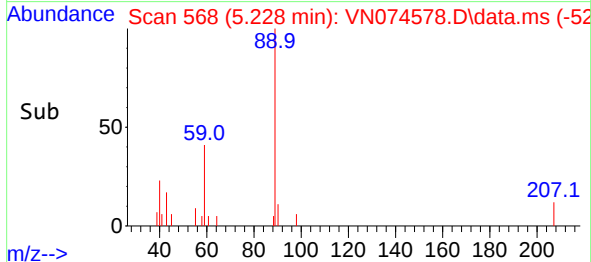
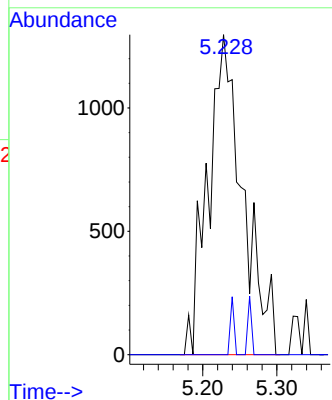
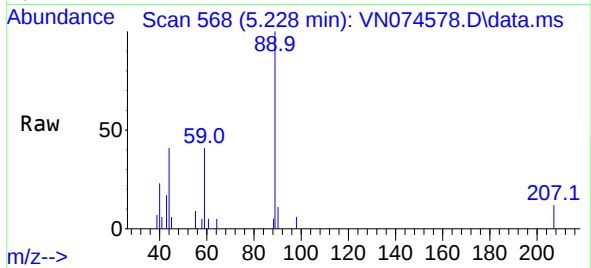




#11  
Tert butyl alcohol  
Concen: 2.608 ug/l  
RT: 5.228 min Scan# 51  
Delta R.T. -0.053 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

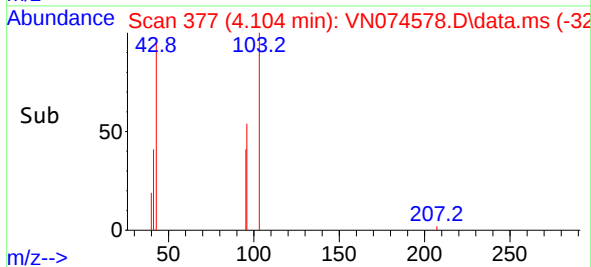
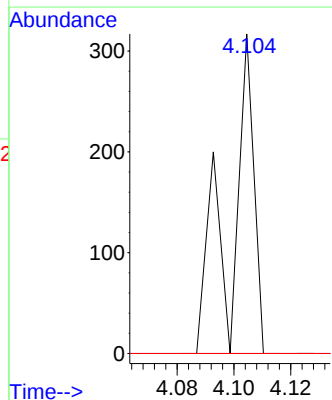
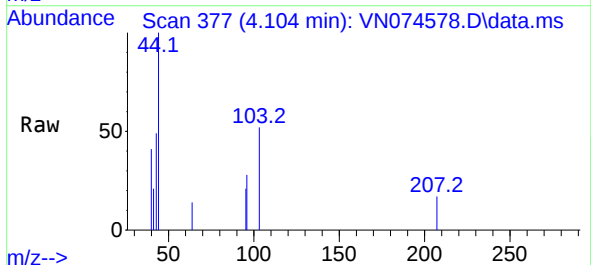
Instrument :  
MSVOA\_N  
ClientSampleId :

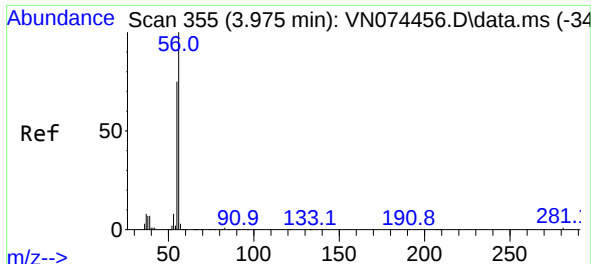
Tgt Ion: 59 Resp: 4253  
Ion Ratio Lower Upper  
59 100  
57 2.0 8.3 12.5#



#12  
1,1-Dichloroethene  
Concen: 0.731 ug/l  
RT: 4.104 min Scan# 377  
Delta R.T. 0.000 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Tgt Ion: 96 Resp: 183  
Ion Ratio Lower Upper  
96 100  
61 0.0 127.6 191.4#  
98 0.0 51.2 76.8#

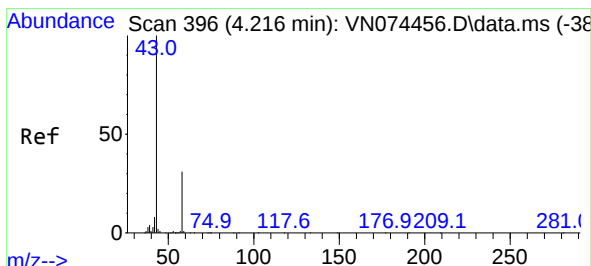
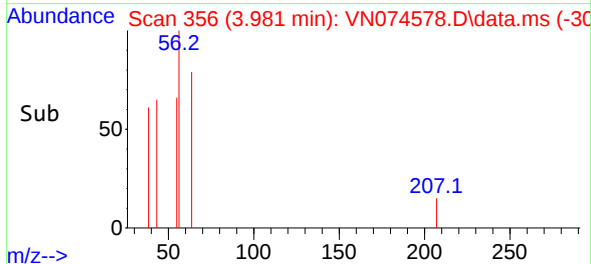
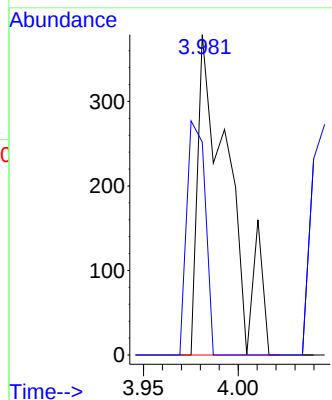
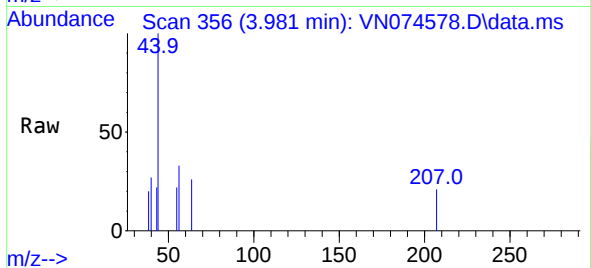




#13  
Acrolein  
Concen: 0.730 ug/l  
RT: 3.981 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

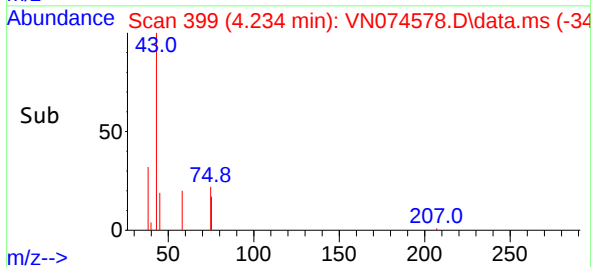
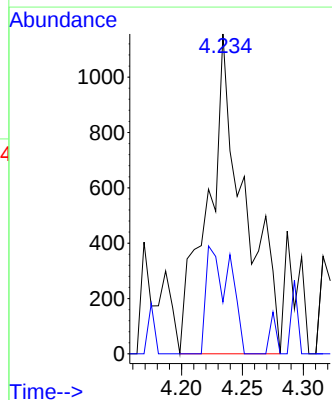
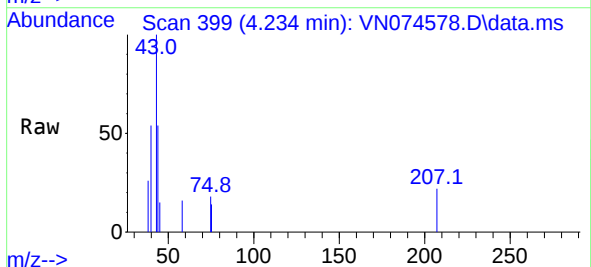
Instrument :  
MSVOA\_N  
ClientSampleId :

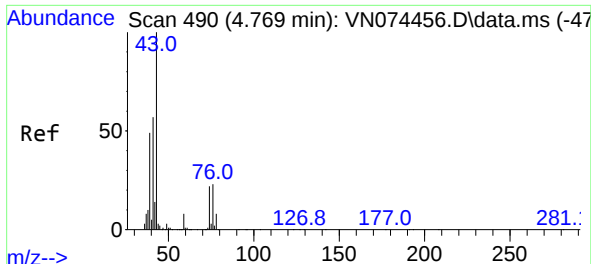
Tgt Ion: 56 Resp: 435  
Ion Ratio Lower Upper  
56 100  
55 43.0 54.8 82.2#



#16  
Acetone  
Concen: 0.751 ug/l  
RT: 4.234 min Scan# 399  
Delta R.T. 0.018 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Tgt Ion: 43 Resp: 2405  
Ion Ratio Lower Upper  
43 100  
58 16.2 26.0 39.0#





#18

Methyl Acetate

Concen: 0.330 ug/l

RT: 4.775 min Scan# 491

Delta R.T. 0.006 min

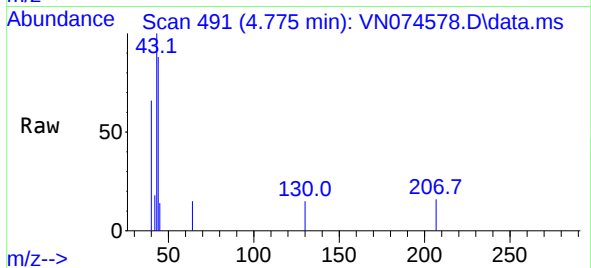
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Acq: 19 Sep 2022 11:49

Instrument :

MSVOA\_N

ClientSampleId :

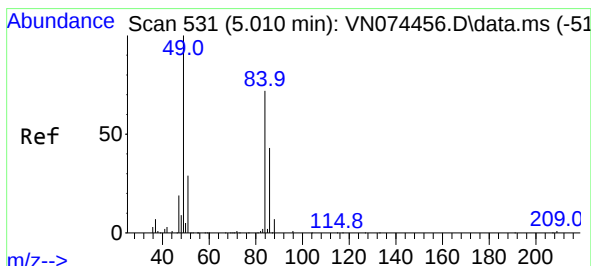
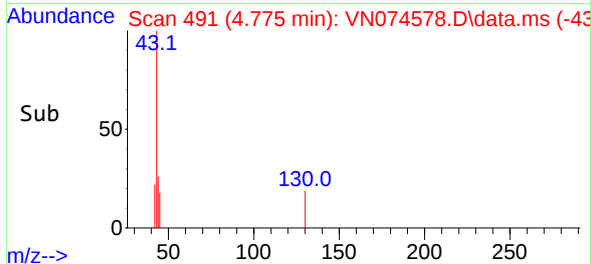
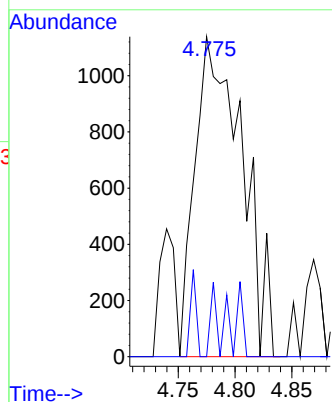


Tgt Ion: 43 Resp: 3279

Ion Ratio Lower Upper

43 100

74 2.9 21.6 32.4#



#20

Methylene Chloride

Concen: 0.201 ug/l

RT: 5.010 min Scan# 531

Delta R.T. 0.000 min

Lab File: VN074578.D

Acq: 19 Sep 2022 11:49

Tgt Ion: 84 Resp: 835

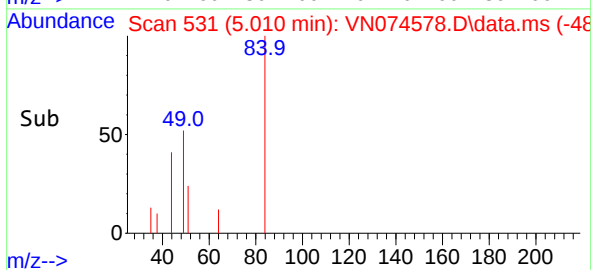
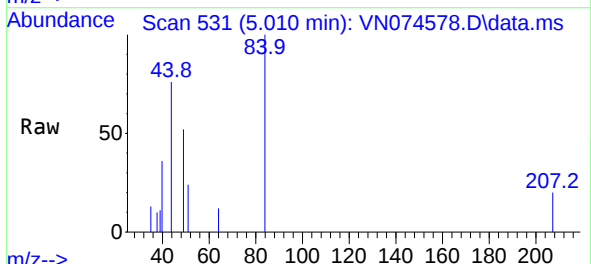
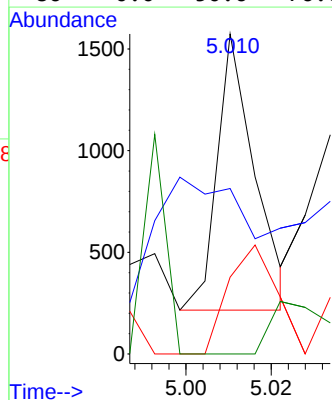
Ion Ratio Lower Upper

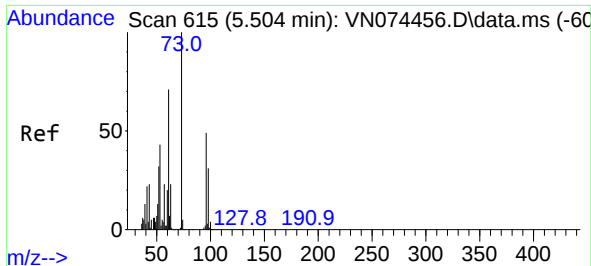
84 100

49 14.4 88.3 132.5#

51 27.8 28.2 42.2#

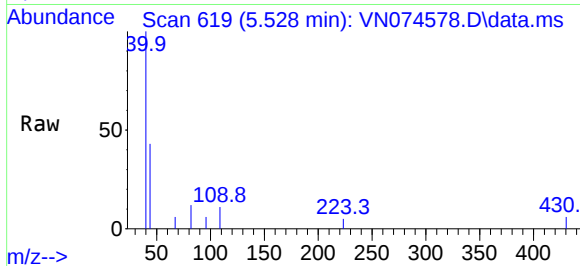
86 0.0 50.6 76.0#



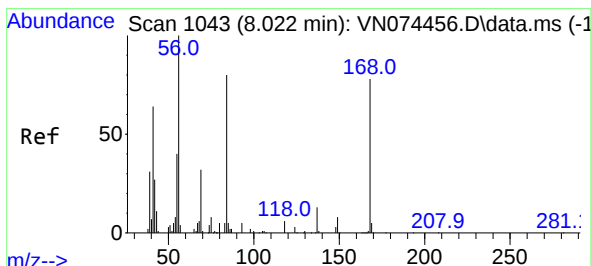
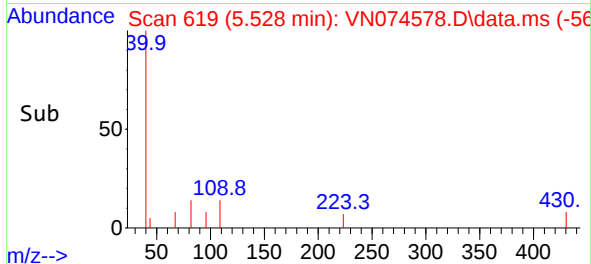
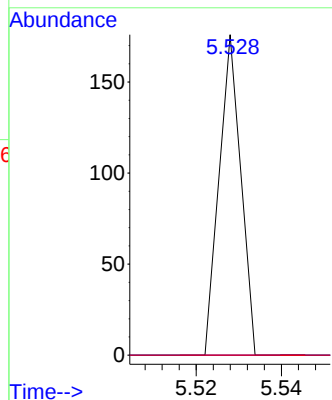


#21  
trans-1,2-Dichloroethene  
Concen: 0.443 ug/l  
RT: 5.528 min Scan# 61  
Delta R.T. 0.024 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

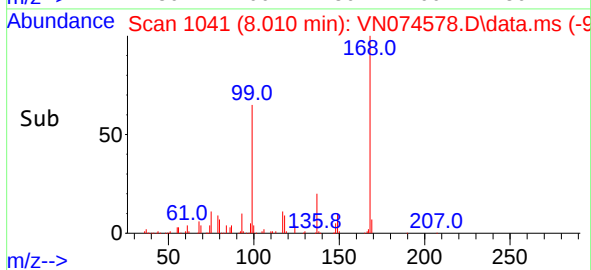
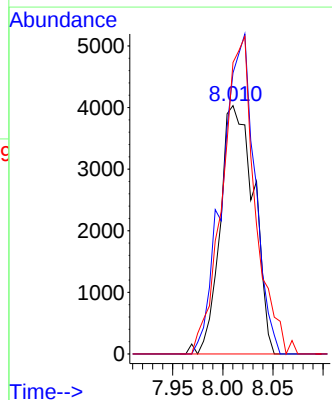
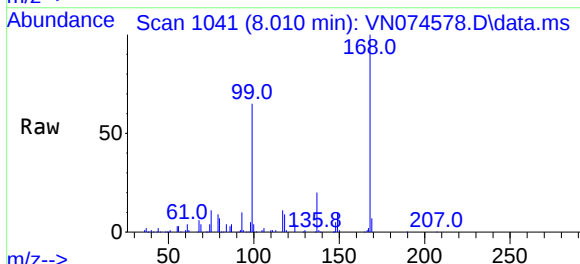


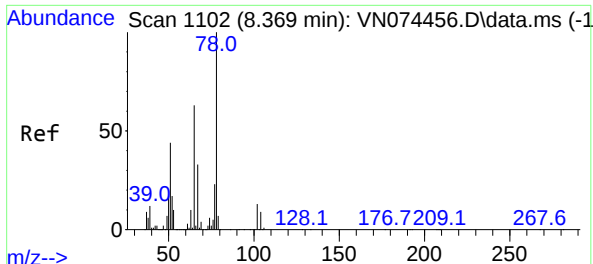
Tgt Ion: 96 Resp: 62  
Ion Ratio Lower Upper  
96 100  
61 0.0 105.8 158.8#  
98 0.0 50.3 75.5#



#31  
Cyclohexane  
Concen: 1.060 ug/l  
RT: 8.010 min Scan# 1041  
Delta R.T. -0.012 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Tgt Ion: 56 Resp: 9424  
Ion Ratio Lower Upper  
56 100  
69 113.2 27.8 41.8#  
84 117.4 76.9 115.3#

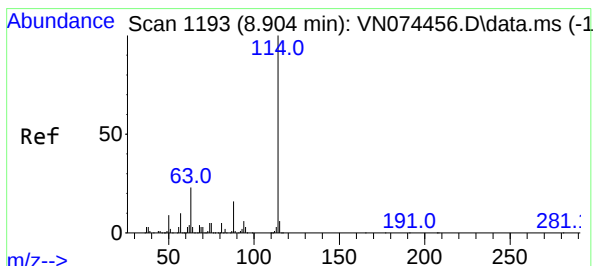
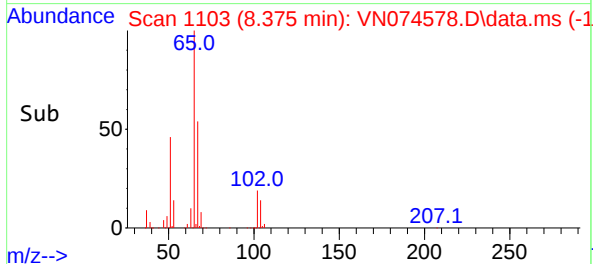
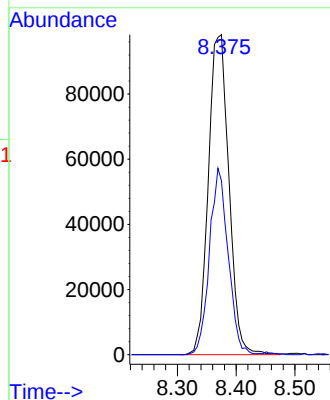
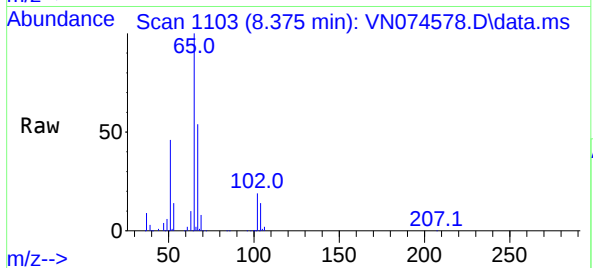




#33  
1,2-Dichloroethane-d4  
Concen: 47.669 ug/l  
RT: 8.375 min Scan# 1102  
Delta R.T. 0.006 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

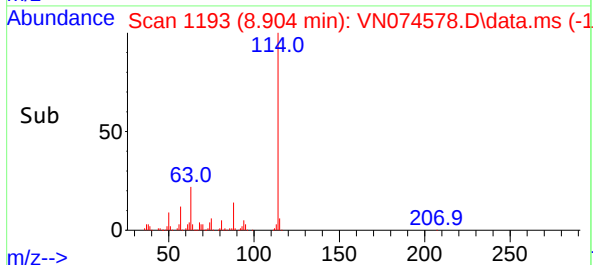
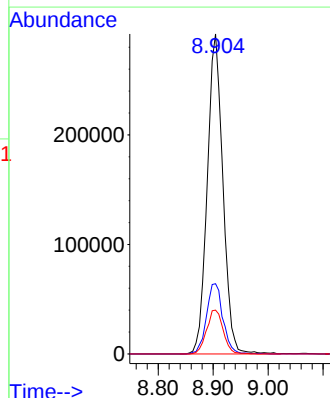
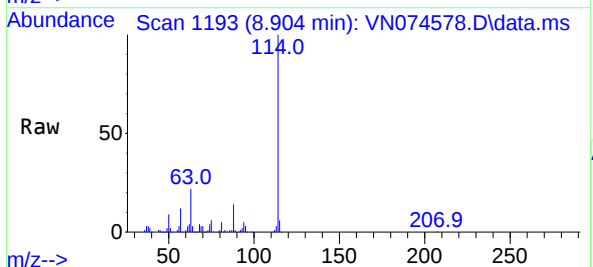
Instrument :  
MSVOA\_N  
ClientSampleId :

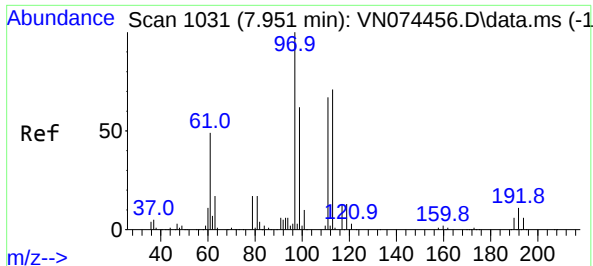
Tgt Ion: 65 Resp: 238664  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 104.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.904 min Scan# 1193  
Delta R.T. 0.000 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

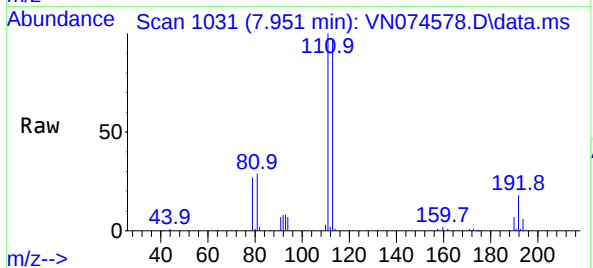
Tgt Ion: 114 Resp: 577538  
Ion Ratio Lower Upper  
114 100  
63 22.0 0.0 40.0  
88 13.7 0.0 32.6



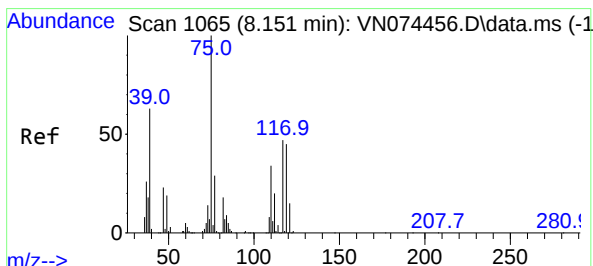
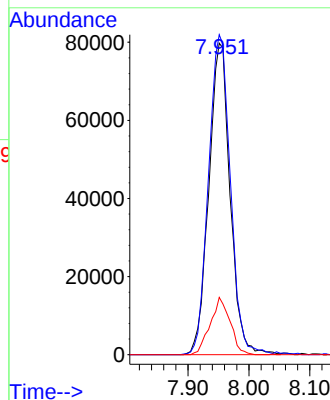
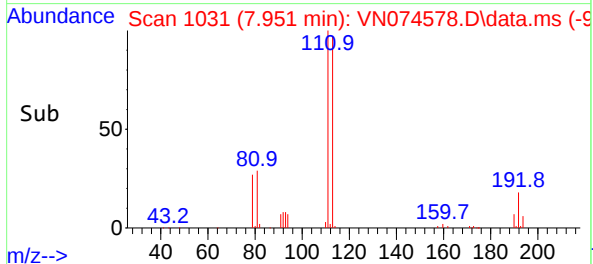


#35  
Dibromofluoromethane  
Concen: 50.549 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

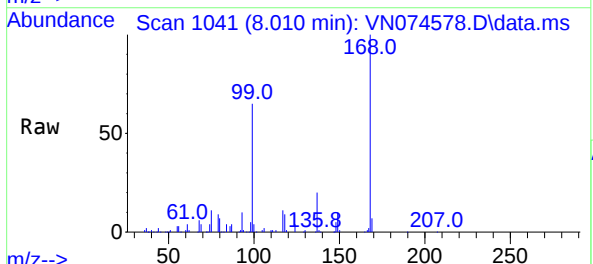
Instrument :  
MSVOA\_N  
ClientSampleId :



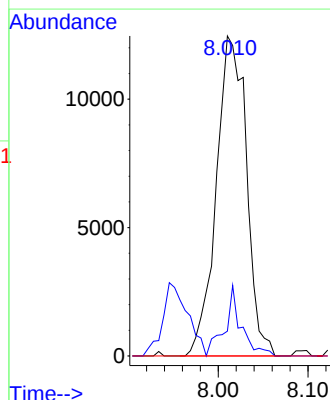
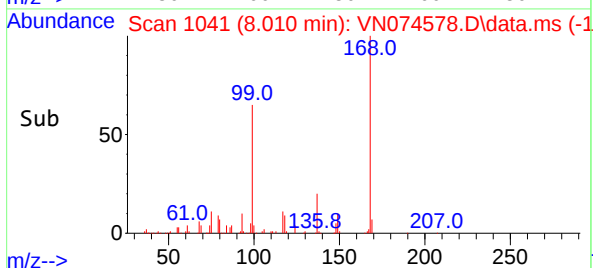
Tgt Ion:113 Resp: 193930  
Ion Ratio Lower Upper  
113 100  
111 105.3 81.4 122.0  
192 17.2 17.0 25.6

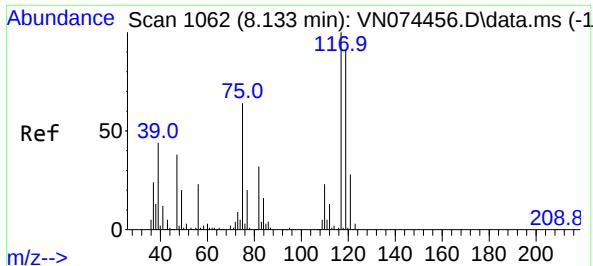


#36  
1,1-Dichloropropene  
Concen: 4.284 ug/l  
RT: 8.010 min Scan# 1041  
Delta R.T. -0.141 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49



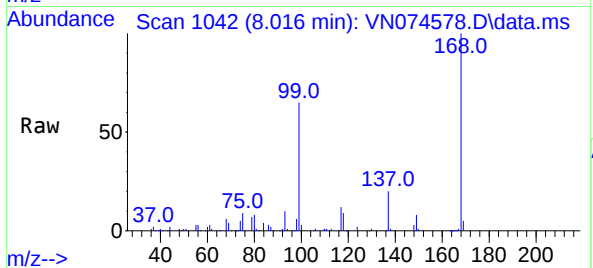
Tgt Ion: 75 Resp: 29090  
Ion Ratio Lower Upper  
75 100  
110 11.9 18.3 54.8#  
77 0.0 25.1 37.7#



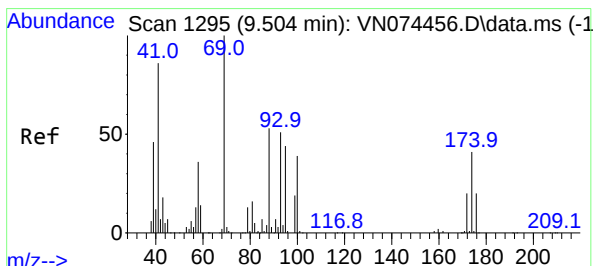
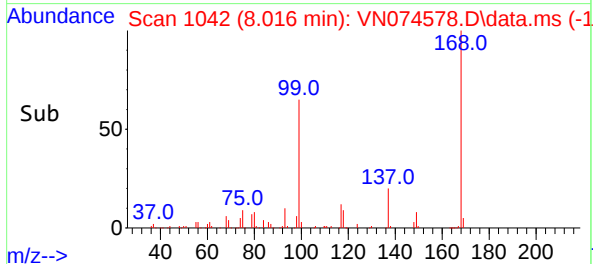
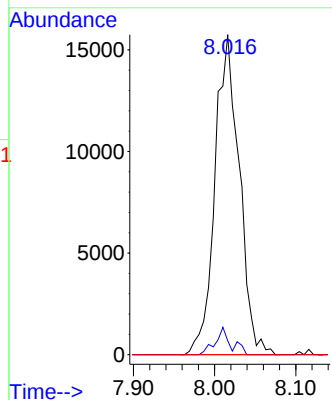


#38  
Carbon Tetrachloride  
Concen: 5.251 ug/l  
RT: 8.016 min Scan# 117  
Delta R.T. -0.117 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

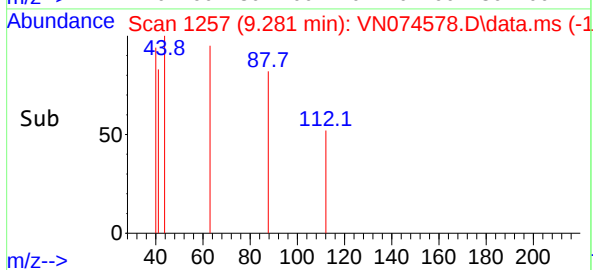
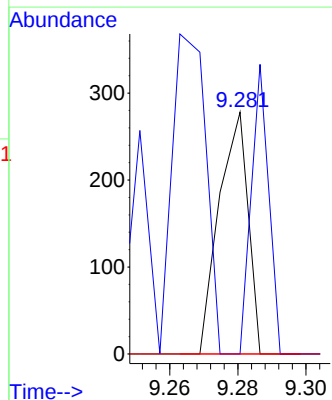
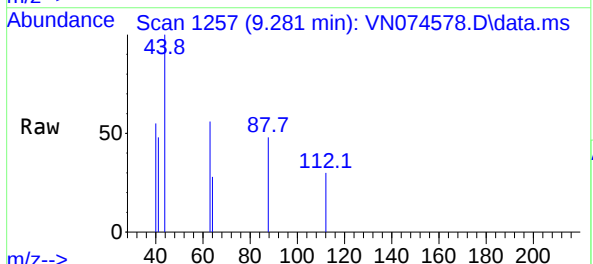


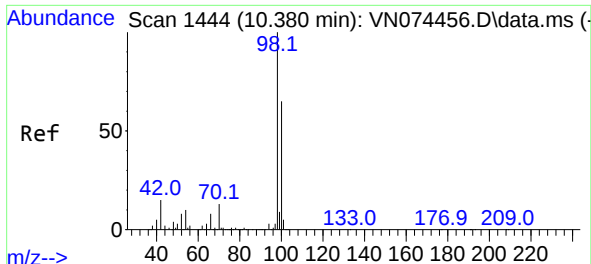
Tgt Ion:117 Resp: 32924  
Ion Ratio Lower Upper  
117 100  
119 4.4 75.8 113.8#  
121 0.0 24.6 37.0#



#49  
1,4-Dioxane  
Concen: 1.171 ug/l  
RT: 9.281 min Scan# 1257  
Delta R.T. -0.223 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Tgt Ion: 88 Resp: 164  
Ion Ratio Lower Upper  
88 100  
43 72.0 20.2 30.4#  
58 0.0 54.2 81.4#

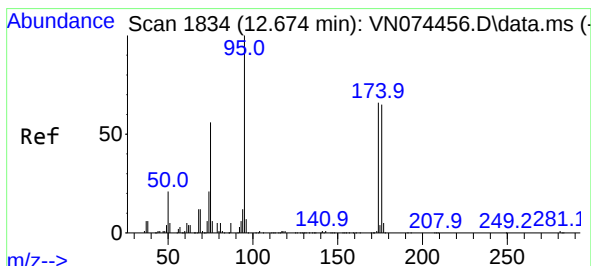
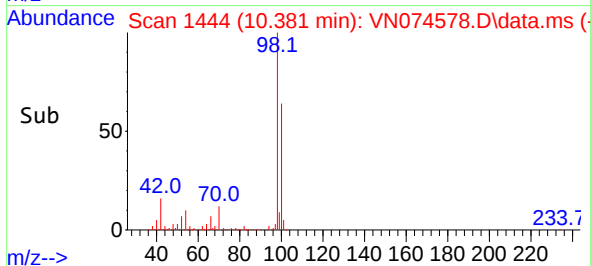
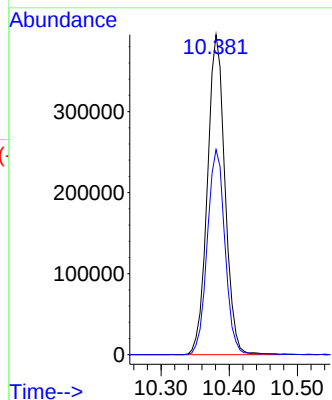
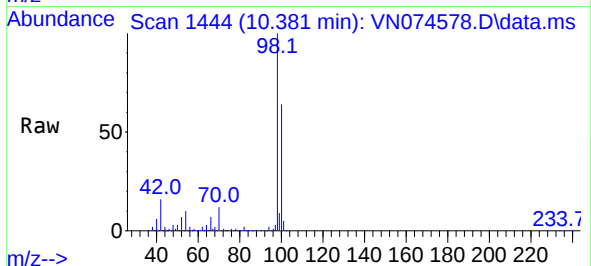




#50  
Toluene-d8  
Concen: 47.692 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.001 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

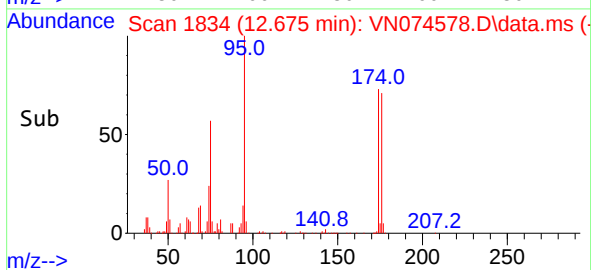
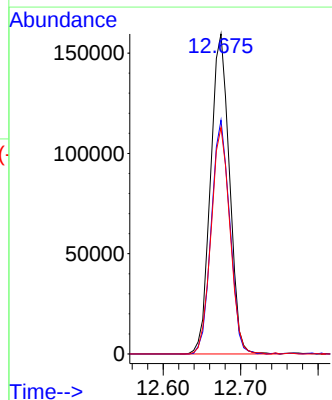
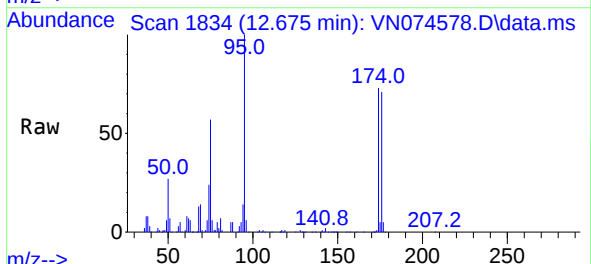
Instrument :  
MSVOA\_N  
ClientSampleId :

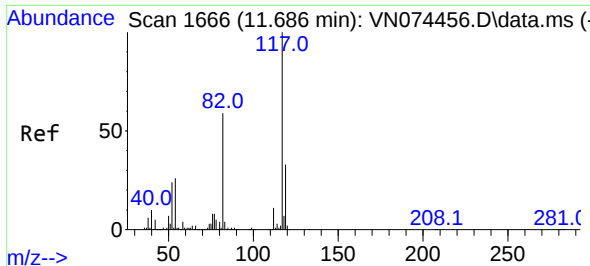
Tgt Ion: 98 Resp: 707610  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 53.049 ug/l  
RT: 12.675 min Scan# 1834  
Delta R.T. 0.001 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

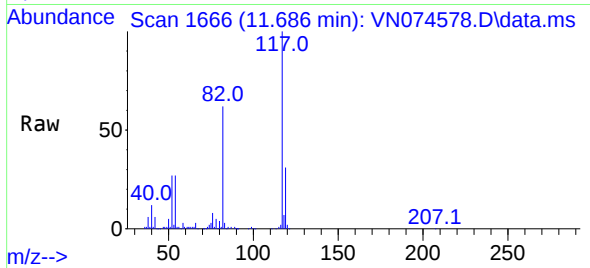
Tgt Ion: 95 Resp: 269578  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 167.6  
176 70.5 0.0 163.4



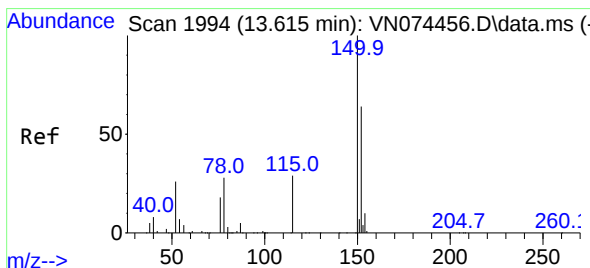
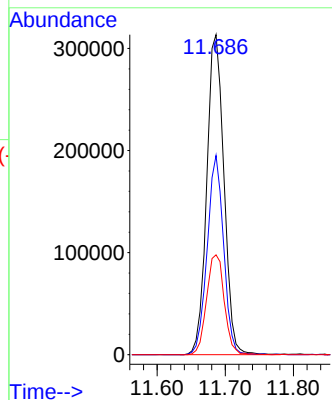
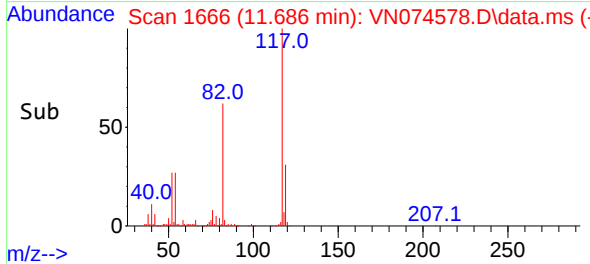


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

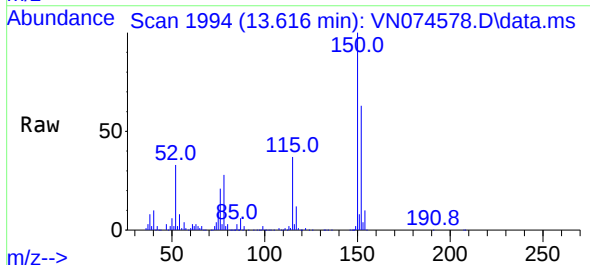
Instrument :  
MSVOA\_N  
ClientSampleId :



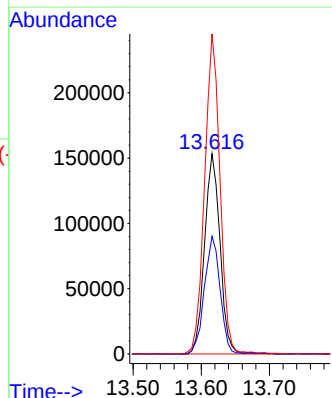
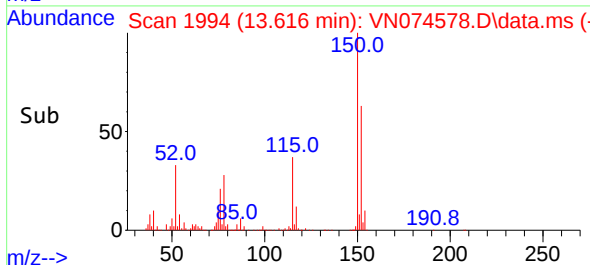
Tgt Ion:117 Resp: 550137  
Ion Ratio Lower Upper  
117 100  
82 62.3 44.2 66.2  
119 31.2 25.4 38.0

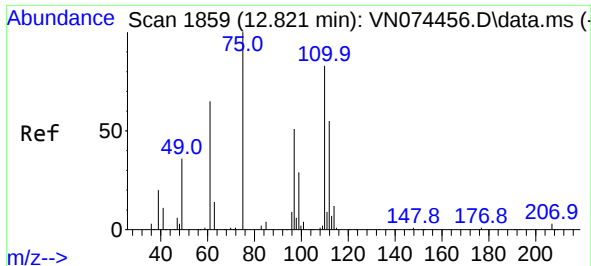


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.616 min Scan# 1994  
Delta R.T. 0.001 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49



Tgt Ion:152 Resp: 242412  
Ion Ratio Lower Upper  
152 100  
115 59.5 28.9 86.7  
150 158.9 0.0 356.2

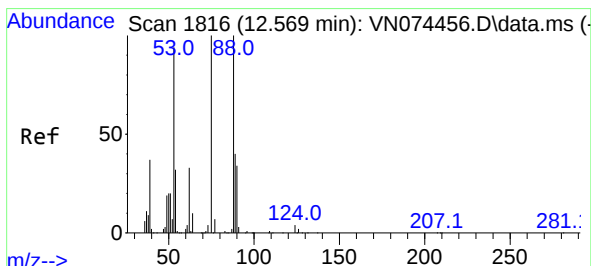
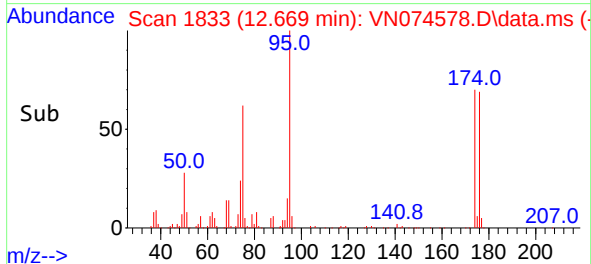
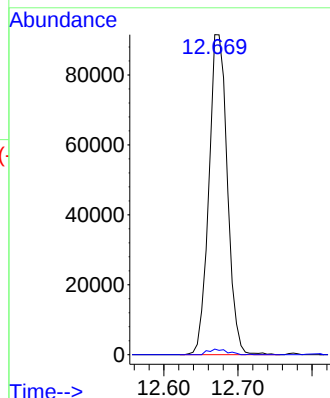
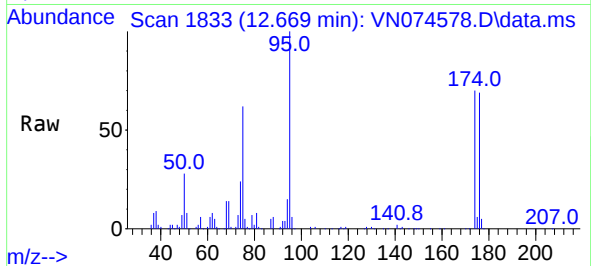




#76  
1,2,3-Trichloropropane  
Concen: 21.234 ug/l  
RT: 12.669 min Scan# 1859  
Delta R.T. -0.152 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

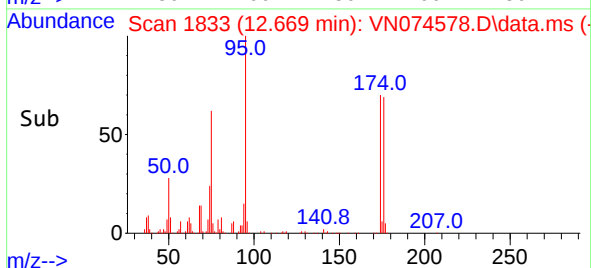
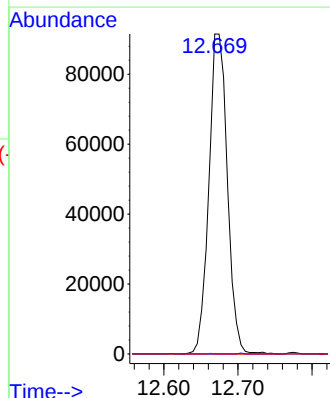
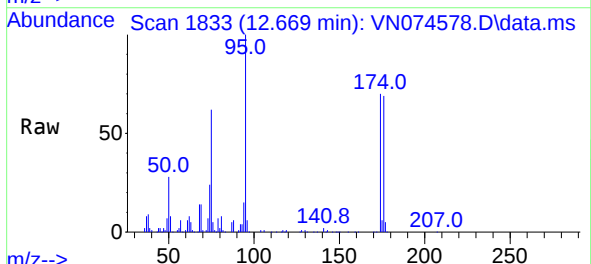
Instrument :  
MSVOA\_N  
ClientSampleId :

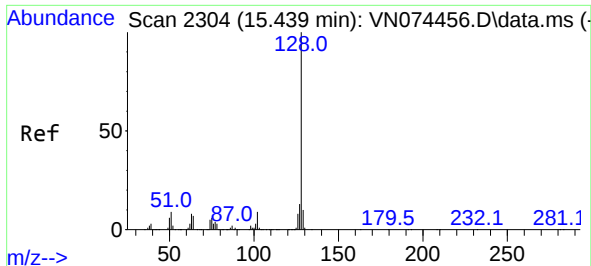
Tgt Ion: 75 Resp: 158437  
Ion Ratio Lower Upper  
75 100  
77 1.8 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 45.829 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. 0.100 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Tgt Ion: 75 Resp: 158437  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#

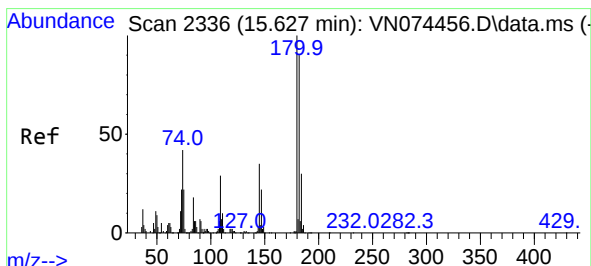
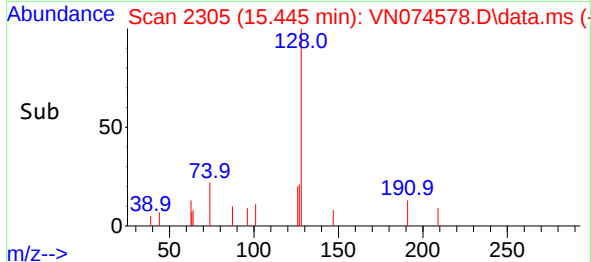
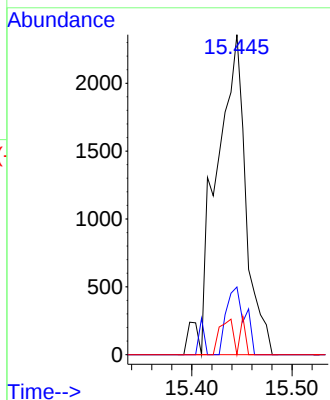
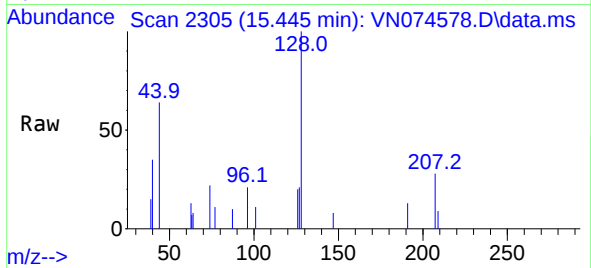




#95  
Naphthalene  
Concen: 1.816 ug/l  
RT: 15.445 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:128 Resp: 4857  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.3 15.5  
129 7.1 8.6 13.0#



#96  
1,2,3-Trichlorobenzene  
Concen: 1.482 ug/l  
RT: 15.627 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VN074578.D  
Acq: 19 Sep 2022 11:49

Tgt Ion:180 Resp: 743  
Ion Ratio Lower Upper  
180 100  
182 97.2 47.8 143.3  
145 29.6 15.5 46.5

