

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030922\  
 Data File : VN071210.D  
 Acq On : 09 Mar 2022 15:21  
 Operator : JC\MD  
 Sample : N1830-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 350

Quant Time: Mar 10 01:12:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 06:52:46 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.081  | 168  | 710163   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.963  | 114  | 1152279  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.739 | 117  | 1051094  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.669 | 152  | 348586   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.434  | 65    | 451296   | 46.367   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 92.740% |
| 35) Dibromofluoromethane    | 8.016  | 113   | 337677   | 46.440   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 92.880% |
| 50) Toluene-d8              | 10.439 | 98    | 1428529  | 48.795   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 97.580% |
| 62) 4-Bromofluorobenzene    | 12.727 | 95    | 492489   | 49.678   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 99.360% |

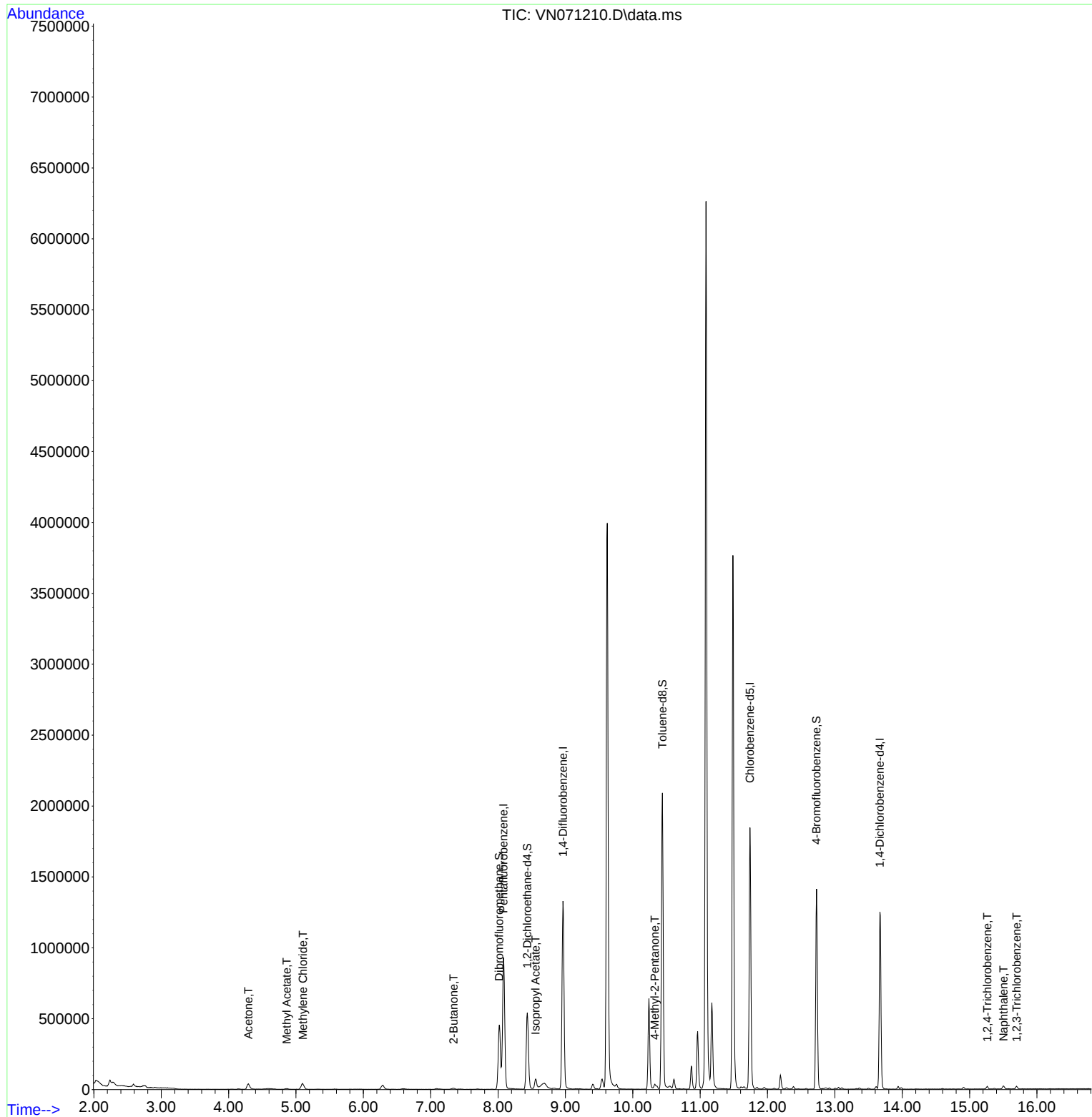
| Target Compounds           |        |     |       |        |        | Qvalue |
|----------------------------|--------|-----|-------|--------|--------|--------|
| 16) Acetone                | 4.293  | 43  | 70506 | 14.888 | ug/l   | 97     |
| 18) Methyl Acetate         | 4.863  | 43  | 10554 | 1.292  | ug/l   | 98     |
| 20) Methylene Chloride     | 5.104  | 84  | 30073 | 3.830  | ug/l   | 95     |
| 25) 2-Butanone             | 7.340  | 43  | 14002 | 1.835  | ug/l # | 77     |
| 43) Isopropyl Acetate      | 8.557  | 43  | 85526 | 3.567  | ug/l # | 87     |
| 51) 4-Methyl-2-Pentanone   | 10.328 | 43  | 19603 | 1.317  | ug/l # | 85     |
| 93) 1,2,4-Trichlorobenzene | 15.263 | 180 | 6493  | 4.058  | ug/l   | 91     |
| 95) Naphthalene            | 15.504 | 128 | 22887 | 6.355  | ug/l # | 94     |
| 96) 1,2,3-Trichlorobenzene | 15.698 | 180 | 6702  | 3.890  | ug/l   | 94     |

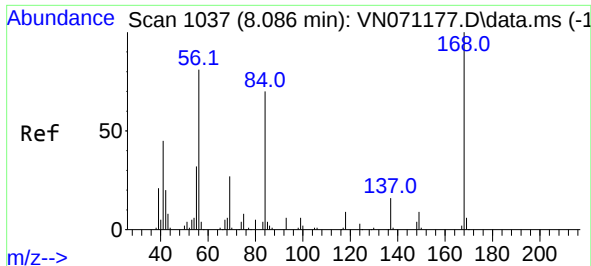
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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350

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 08 06:52:46 2022  
Response via : Initial Calibration

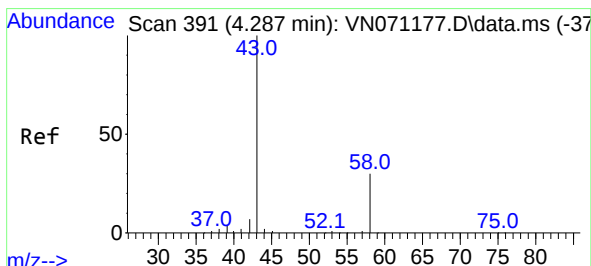
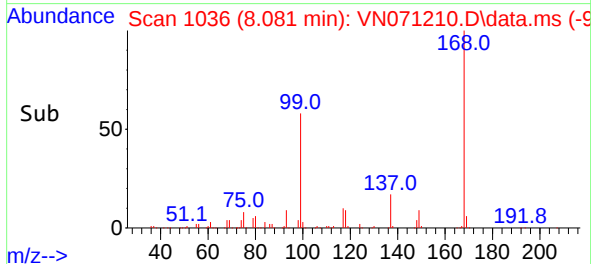
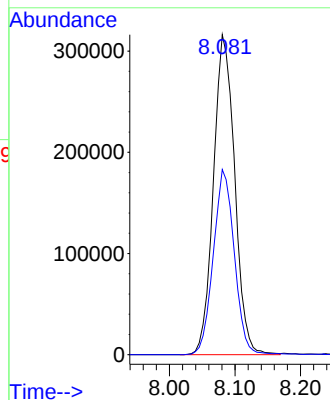
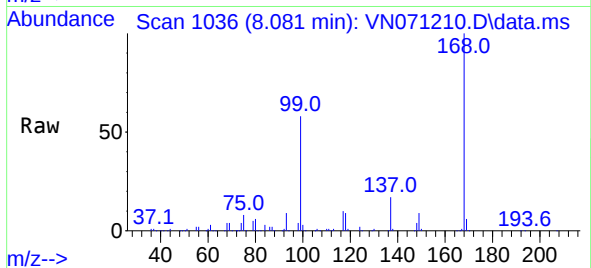




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.005 min  
Lab File: VN071210.D  
Acq: 09 Mar 2022 15:21

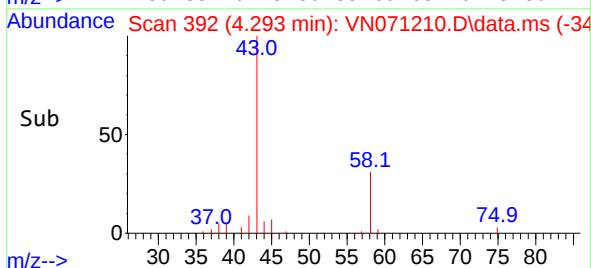
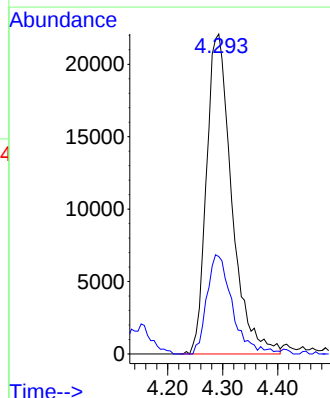
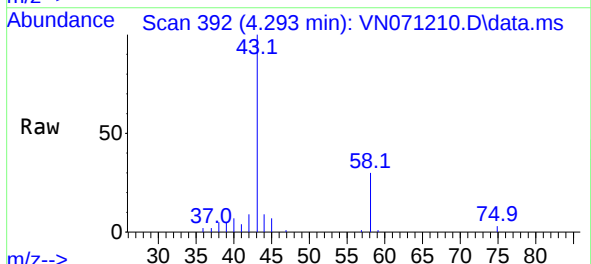
Instrument :  
MSVOA\_N  
ClientSampleId :  
350

Tgt Ion:168 Resp: 710163  
Ion Ratio Lower Upper  
168 100  
99 57.9 41.3 61.9



#16  
Acetone  
Concen: 14.888 ug/l  
RT: 4.293 min Scan# 392  
Delta R.T. 0.006 min  
Lab File: VN071210.D  
Acq: 09 Mar 2022 15:21

Tgt Ion: 43 Resp: 70506  
Ion Ratio Lower Upper  
43 100  
58 30.5 23.1 34.7





#18

Methyl Acetate

Concen: 1.292 ug/l

RT: 4.863 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN071210.D

Acq: 09 Mar 2022 15:21

Instrument :

MSVOA\_N

ClientSampleId :

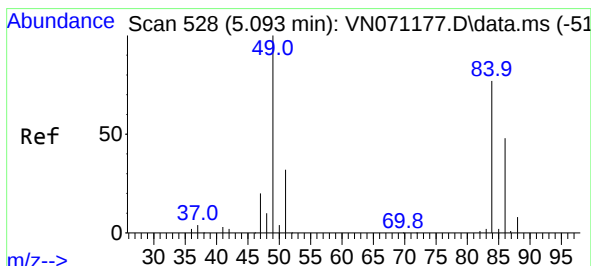
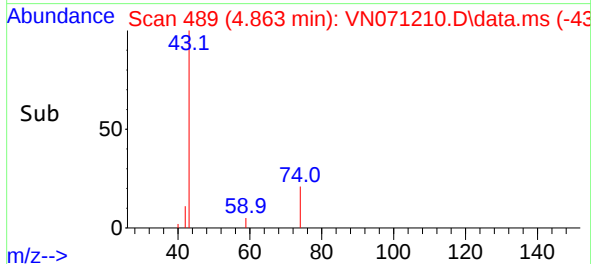
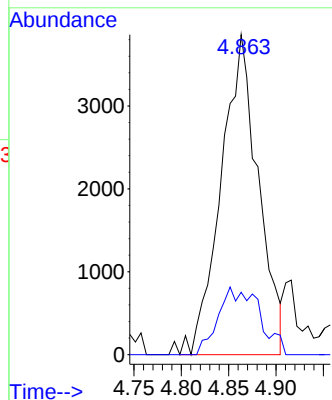
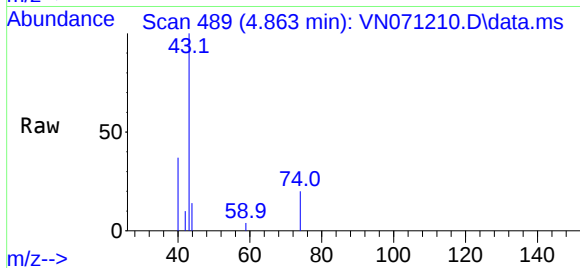
350

Tgt Ion: 43 Resp: 10554

Ion Ratio Lower Upper

43 100

74 23.4 19.4 29.2



#20

Methylene Chloride

Concen: 3.830 ug/l

RT: 5.104 min Scan# 530

Delta R.T. 0.011 min

Lab File: VN071210.D

Acq: 09 Mar 2022 15:21

Tgt Ion: 84 Resp: 30073

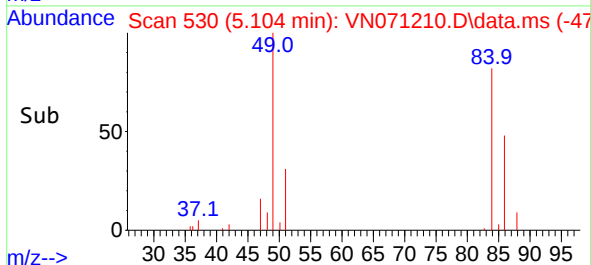
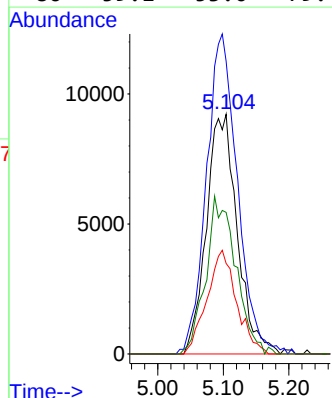
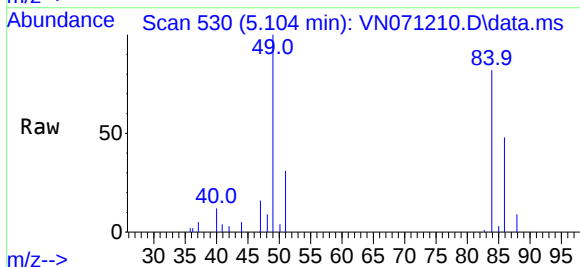
Ion Ratio Lower Upper

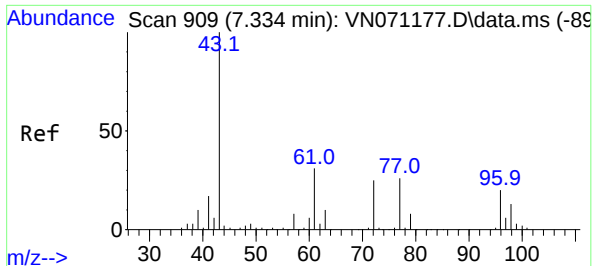
84 100

49 120.4 93.5 140.3

51 37.8 29.4 44.2

86 59.1 53.0 79.4





#25

2-Butanone

Concen: 1.835 ug/l

RT: 7.340 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN071210.D

Acq: 09 Mar 2022 15:21

Instrument :

MSVOA\_N

ClientSampleId :

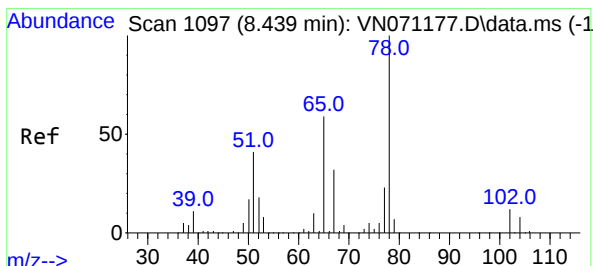
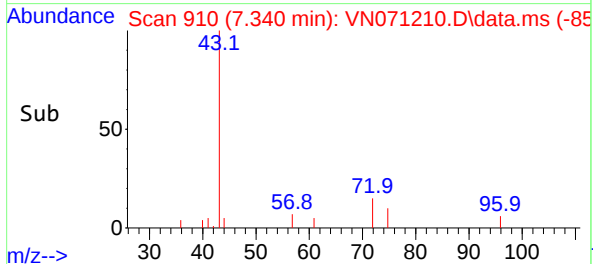
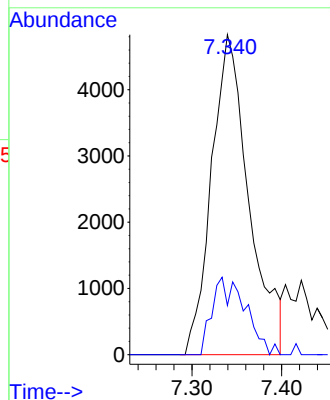
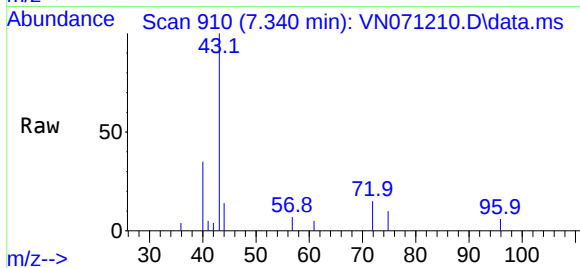
350

Tgt Ion: 43 Resp: 14002

Ion Ratio Lower Upper

43 100

72 15.4 21.7 32.5#



#33

1,2-Dichloroethane-d4

Concen: 46.367 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071210.D

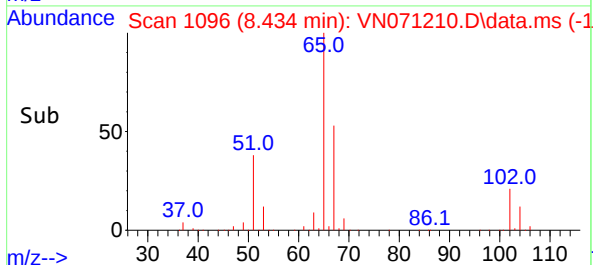
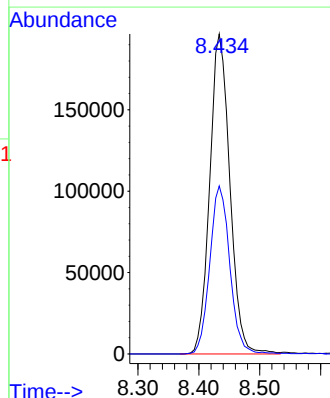
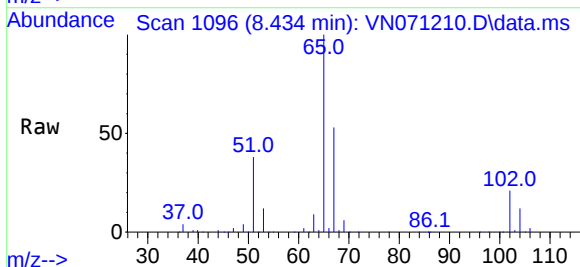
Acq: 09 Mar 2022 15:21

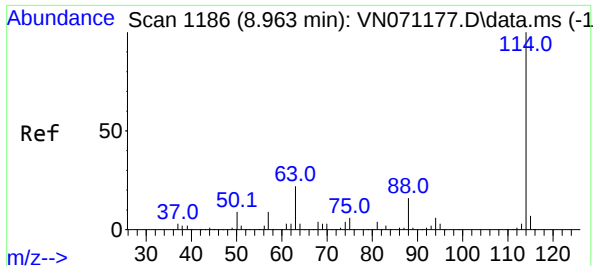
Tgt Ion: 65 Resp: 451296

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071210.D

Acq: 09 Mar 2022 15:21

Instrument :

MSVOA\_N

ClientSampleId :

350

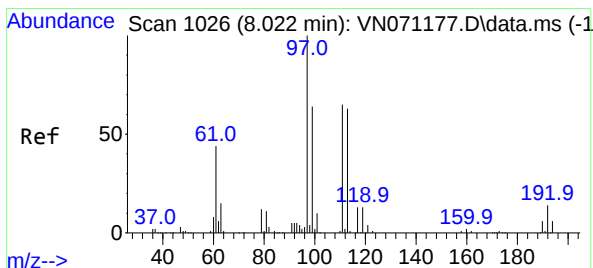
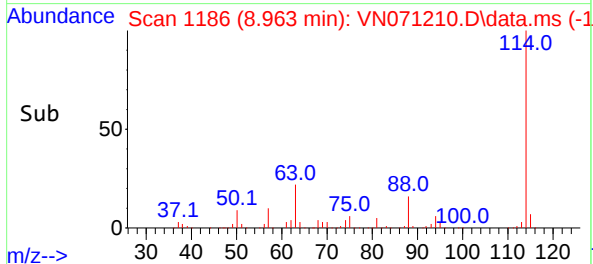
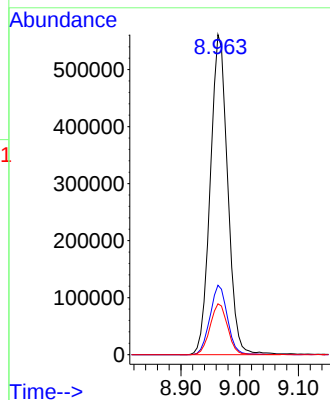
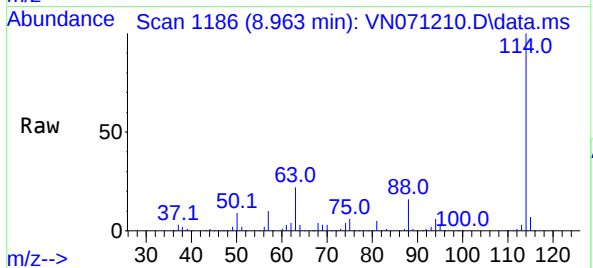
Tgt Ion:114 Resp: 1152279

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

88 15.9 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.440 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071210.D

Acq: 09 Mar 2022 15:21

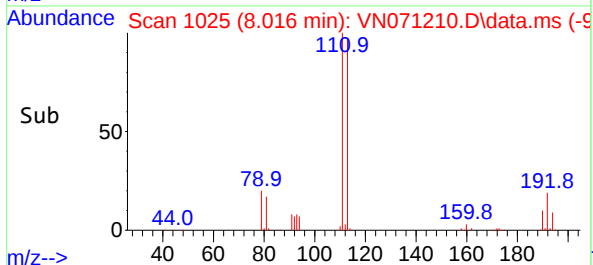
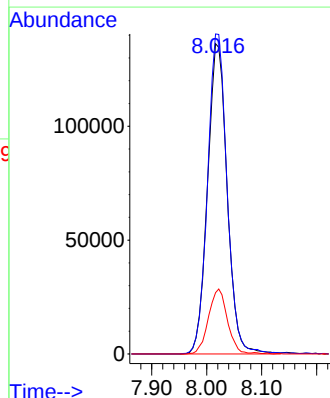
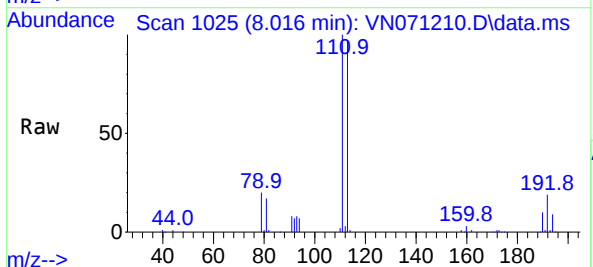
Tgt Ion:113 Resp: 337677

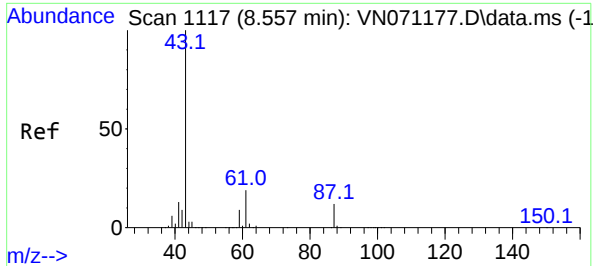
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 20.2 16.9 25.3



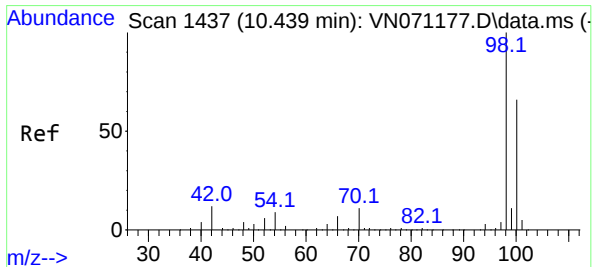
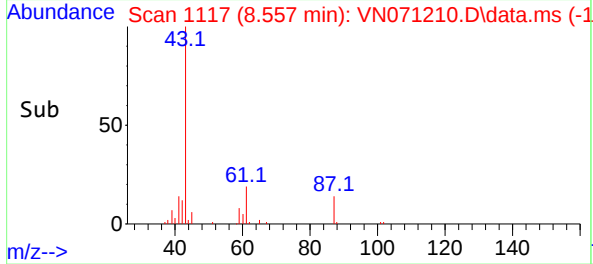
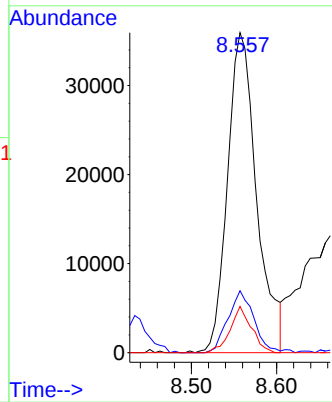
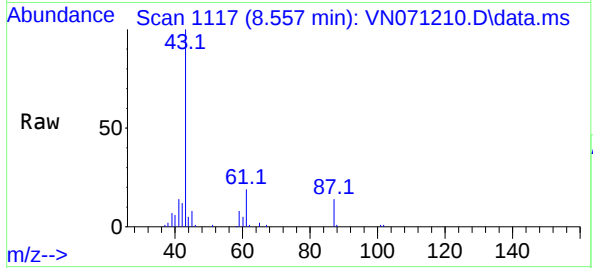


#43  
Isopropyl Acetate  
Concen: 3.567 ug/l  
RT: 8.557 min Scan# 1117  
Delta R.T. 0.000 min  
Lab File: VN071210.D  
Acq: 09 Mar 2022 15:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
350

Tgt Ion: 43 Resp: 85526

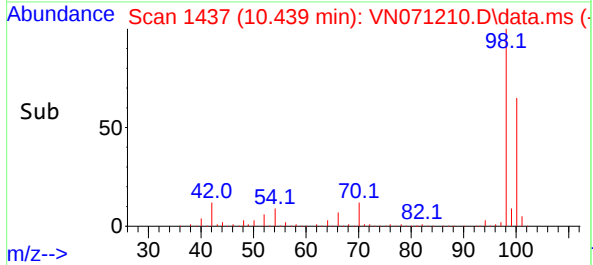
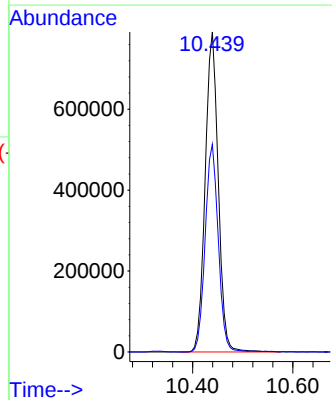
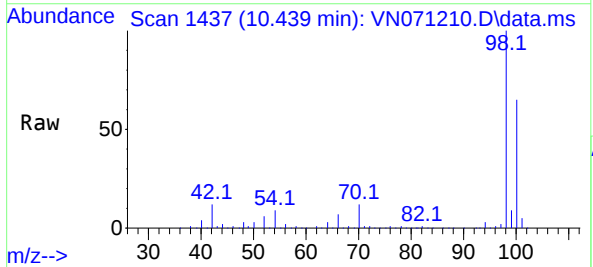
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 17.3  | 20.4  | 30.6# |
| 87  | 10.6  | 11.2  | 16.8# |

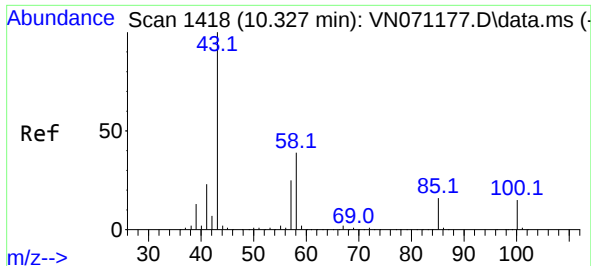


#50  
Toluene-d8  
Concen: 48.795 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071210.D  
Acq: 09 Mar 2022 15:21

Tgt Ion: 98 Resp: 1428529

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 65.5  | 50.4  | 75.6  |





#51

4-Methyl-2-Pentanone

Concen: 1.317 ug/l

RT: 10.328 min Scan# 1418

Delta R.T. 0.001 min

Lab File: VN071210.D

Acq: 09 Mar 2022 15:21

Instrument :

MSVOA\_N

ClientSampleId :

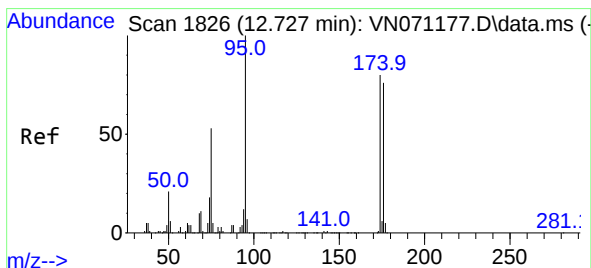
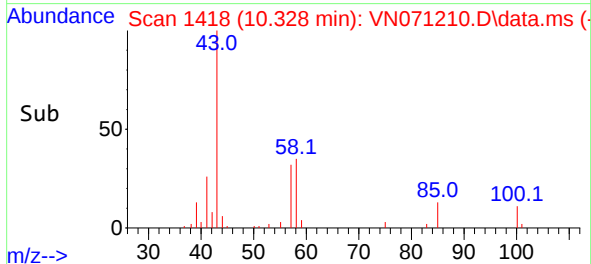
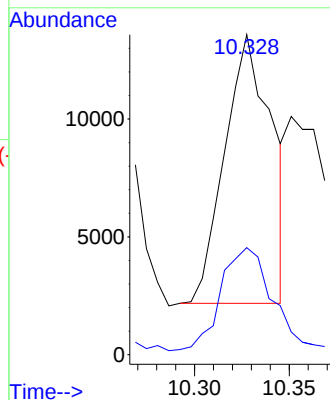
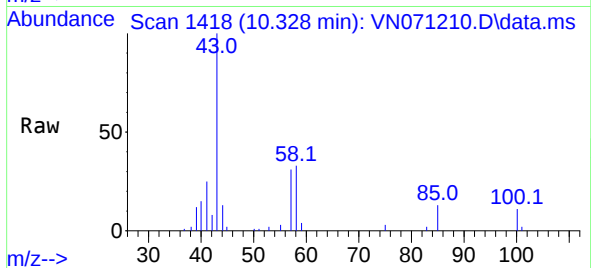
350

Tgt Ion: 43 Resp: 19603

Ion Ratio Lower Upper

43 100

58 47.2 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 49.678 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN071210.D

Acq: 09 Mar 2022 15:21

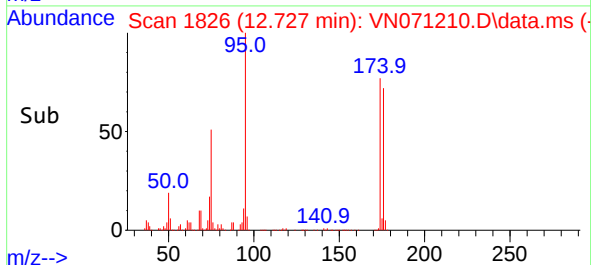
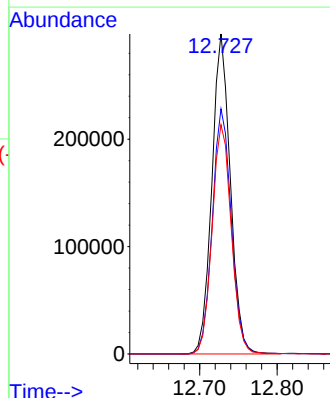
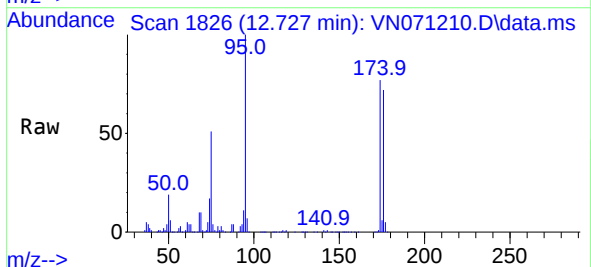
Tgt Ion: 95 Resp: 492489

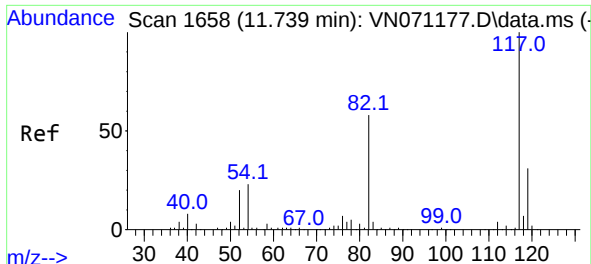
Ion Ratio Lower Upper

95 100

174 79.0 0.0 187.2

176 74.2 0.0 181.4

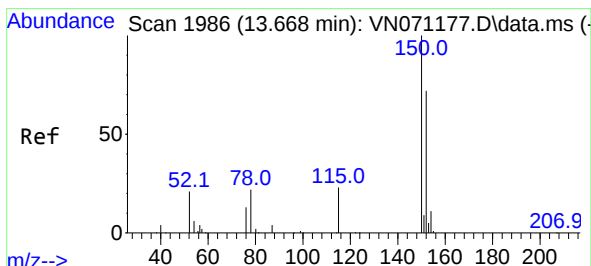
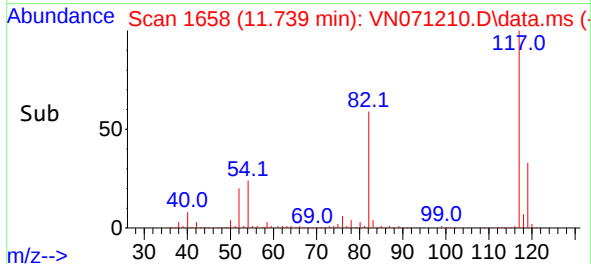
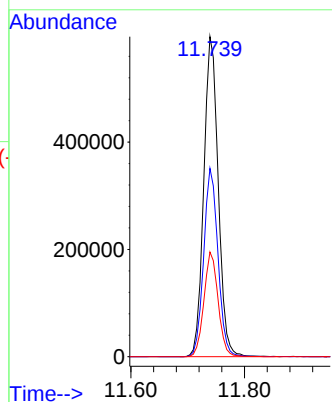
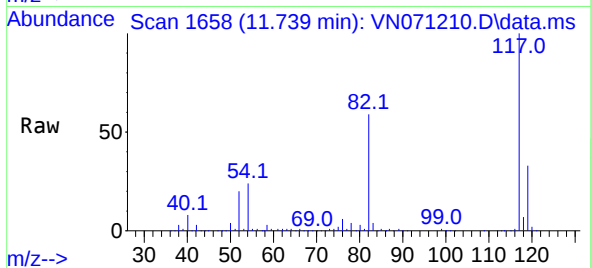




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN071210.D  
Acq: 09 Mar 2022 15:21

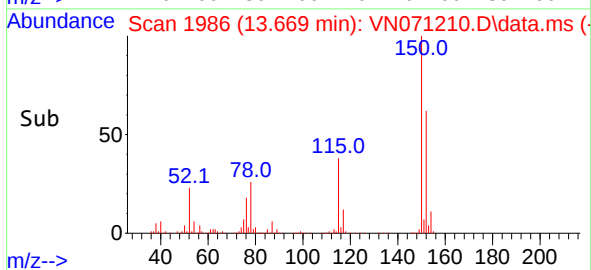
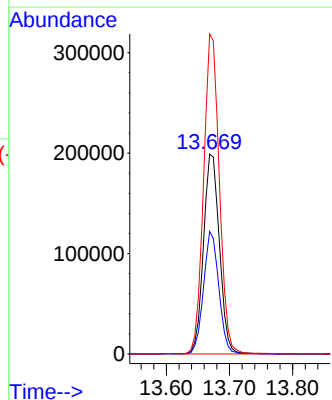
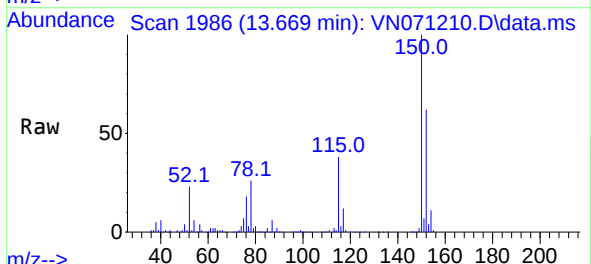
Instrument :  
MSVOA\_N  
ClientSampleId :  
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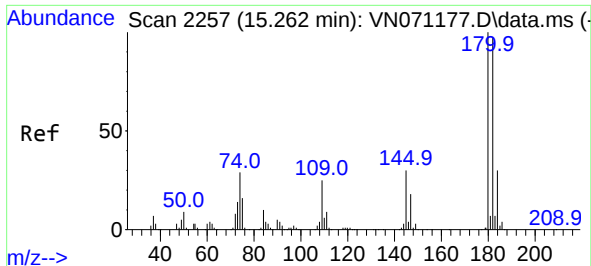
Tgt Ion:117 Resp: 1051094  
Ion Ratio Lower Upper  
117 100  
82 58.9 42.4 63.6  
119 32.7 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.669 min Scan# 1986  
Delta R.T. 0.001 min  
Lab File: VN071210.D  
Acq: 09 Mar 2022 15:21

Tgt Ion:152 Resp: 348586  
Ion Ratio Lower Upper  
152 100  
115 59.1 27.5 82.5  
150 156.9 0.0 344.4

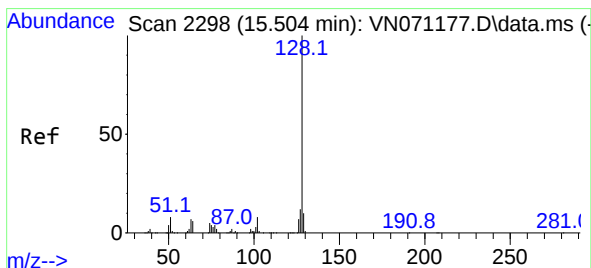
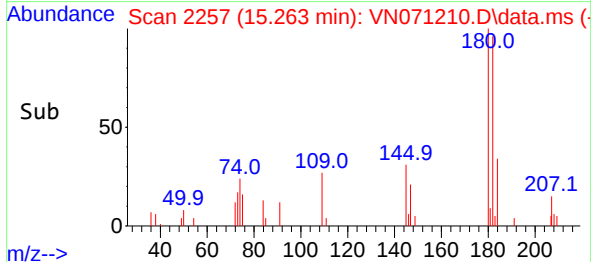
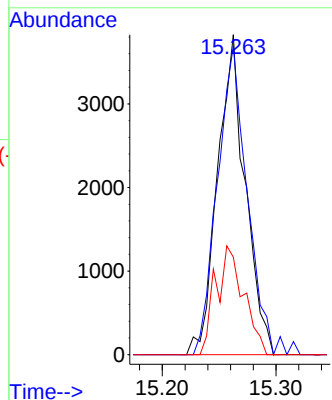
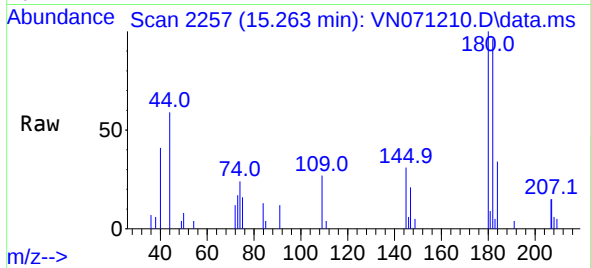




#93  
1,2,4-Trichlorobenzene  
Concen: 4.058 ug/l  
RT: 15.263 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VN071210.D  
Acq: 09 Mar 2022 15:21

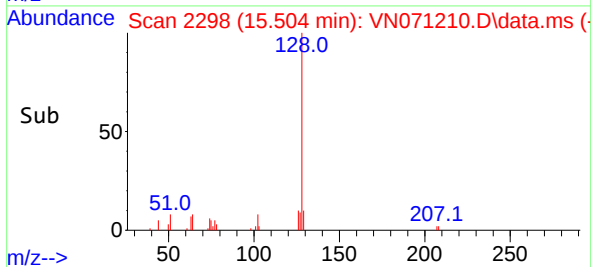
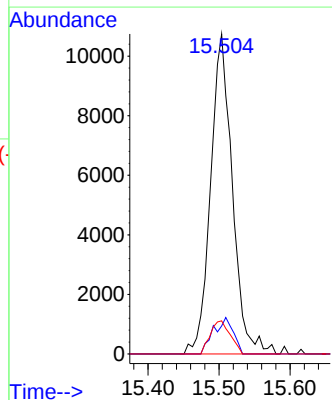
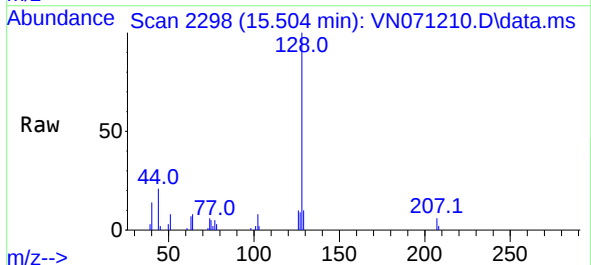
Instrument :  
MSVOA\_N  
ClientSampleId :  
350

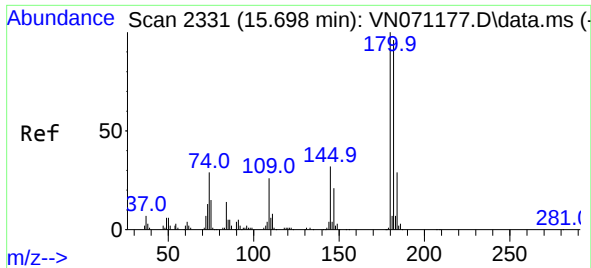
Tgt Ion:180 Resp: 6493  
Ion Ratio Lower Upper  
180 100  
182 104.6 48.3 144.9  
145 34.3 14.5 43.5



#95  
Naphthalene  
Concen: 6.355 ug/l  
RT: 15.504 min Scan# 2298  
Delta R.T. -0.000 min  
Lab File: VN071210.D  
Acq: 09 Mar 2022 15:21

Tgt Ion:128 Resp: 22887  
Ion Ratio Lower Upper  
128 100  
127 10.3 10.5 15.7#  
129 9.5 8.7 13.1





#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.890 ug/l  
 RT: 15.698 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN071210.D  
 Acq: 09 Mar 2022 15:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 350

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 6702  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 102.5 | 47.4  | 142.2 |
| 145      | 30.5  | 15.0  | 45.1  |

