

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051322\  
 Data File : VN072485.D  
 Acq On : 13 May 2022 18:26  
 Operator : JC\MD  
 Sample : N2800-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PZ-1

Quant Time: May 14 02:37:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 10 15:43:28 2022  
 Response via : Initial Calibration

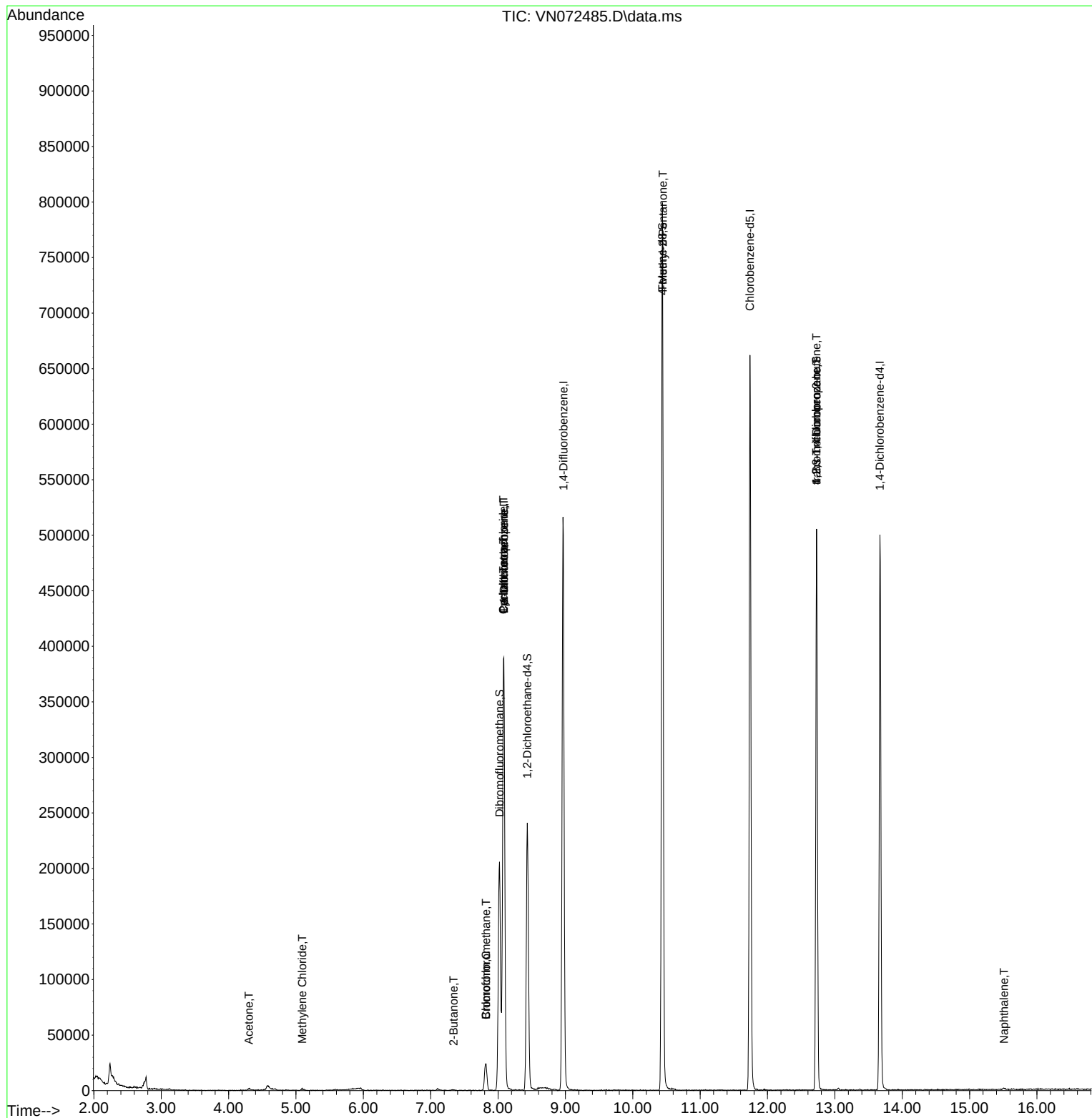
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.086          | 168  | 288945     | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.969          | 114  | 432208     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739         | 117  | 372103     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668         | 152  | 134419     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.433          | 65   | 215676     | 48.733    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 97.460%   |        |          |
| 35) Dibromofluoromethane      | 8.022          | 113  | 148251     | 51.557    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 103.120%  |        |          |
| 50) Toluene-d8                | 10.439         | 98   | 537992     | 49.126    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 98.260%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.727         | 95   | 167893     | 46.163    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 92.320%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           |        | Qvalue   |
| 3) Chloromethane              | 2.304          | 50   | 608        | Below Cal | #      | 87       |
| 6) Chloroethane               | 3.004          | 64   | 163        | Below Cal | #      | 42       |
| 16) Acetone                   | 4.298          | 43   | 2368       | 1.351     | ug/l # | 87       |
| 20) Methylene Chloride        | 5.092          | 84   | 1152       | 0.321     | ug/l # | 91       |
| 25) 2-Butanone                | 7.339          | 43   | 868        | 0.314     | ug/l # | 45       |
| 28) Bromochloromethane        | 7.822          | 49   | 2015       | 0.764     | ug/l # | 8        |
| 30) Chloroform                | 7.822          | 83   | 24971      | 3.954     | ug/l   | 88       |
| 31) Cyclohexane               | 8.080          | 56   | 6349       | 1.083     | ug/l # | 38       |
| 36) 1,1-Dichloropropene       | 8.086          | 75   | 24282      | 5.879     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 8.080          | 117  | 32852      | 7.107     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.445         | 43   | 2530       | 0.535     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.727         | 75   | 96332      | 27.477    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727         | 75   | 96332      | 91.664    | ug/l # | 11       |
| 95) Naphthalene               | 15.509         | 128  | 1506       | 3.396     | ug/l # | 75       |
| -----                         |                |      |            |           |        |          |

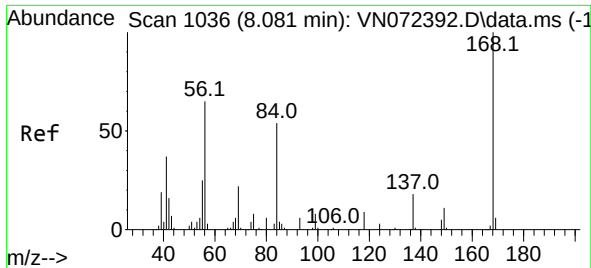
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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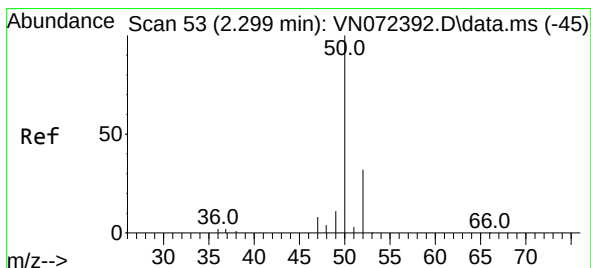
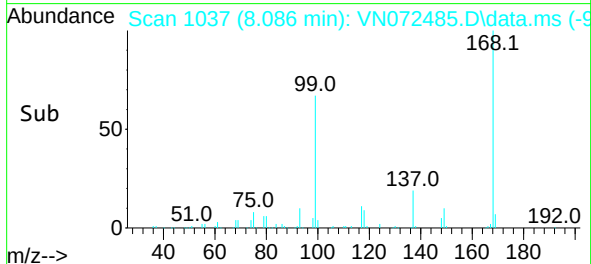
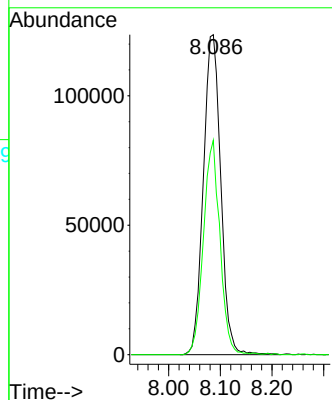
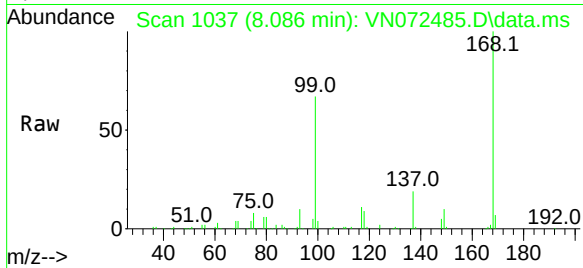




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 10  
Delta R.T. 0.005 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

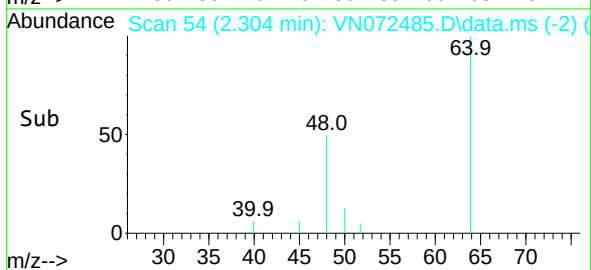
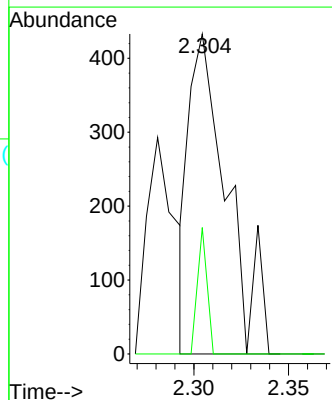
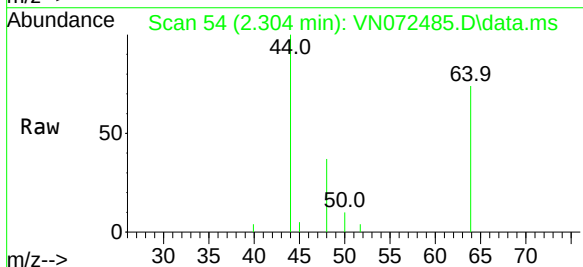
Instrument :  
MSVOA\_N  
ClientSampleId :  
PZ-1

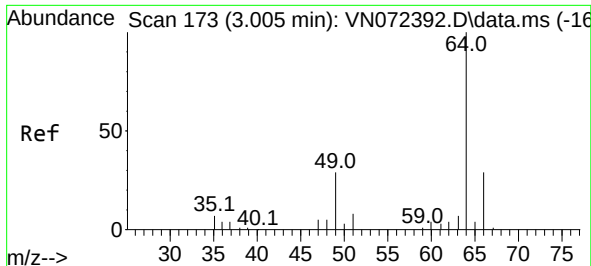
Tgt Ion:168 Resp: 288945  
Ion Ratio Lower Upper  
168 100  
99 67.0 42.3 63.5#



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.304 min Scan# 54  
Delta R.T. 0.005 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

Tgt Ion: 50 Resp: 608  
Ion Ratio Lower Upper  
50 100  
52 39.5 25.7 38.5#

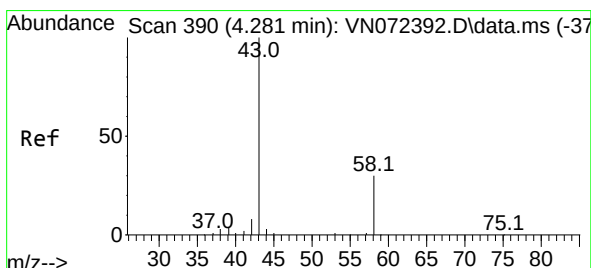
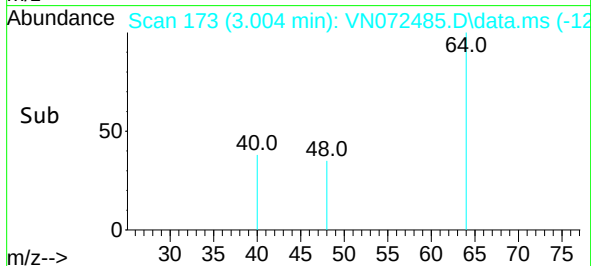
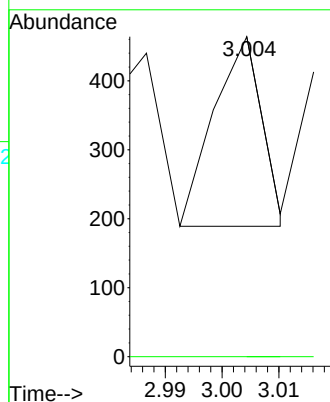
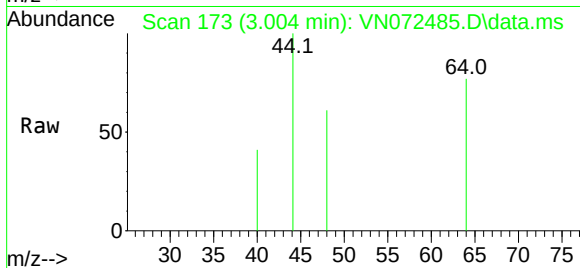




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.004 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

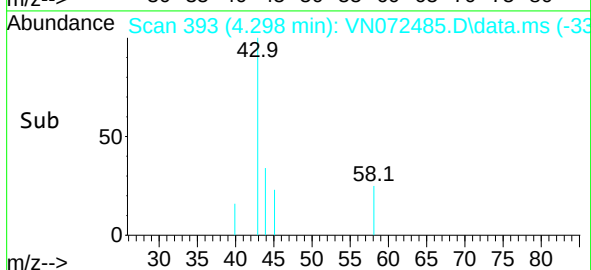
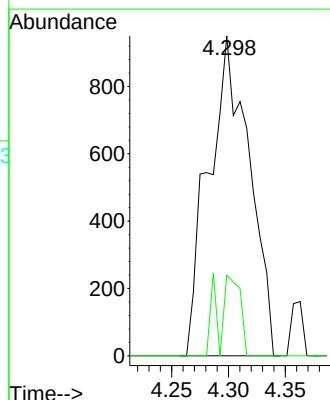
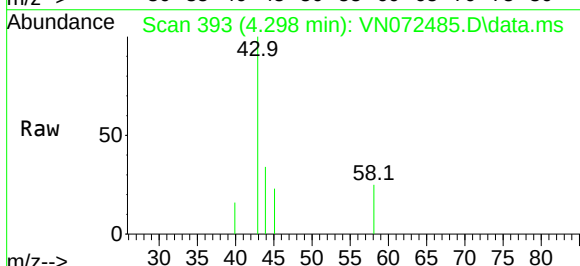
Instrument :  
MSVOA\_N  
ClientSampleId :  
PZ-1

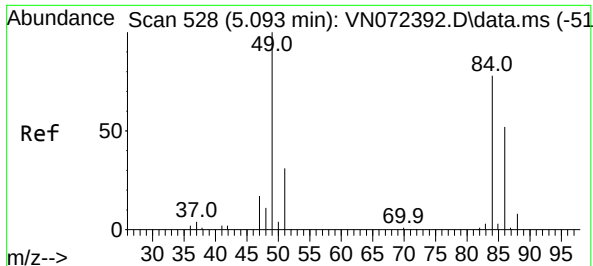
Tgt Ion: 64 Resp: 163  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#



#16  
Acetone  
Concen: 1.351 ug/l  
RT: 4.298 min Scan# 393  
Delta R.T. 0.017 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

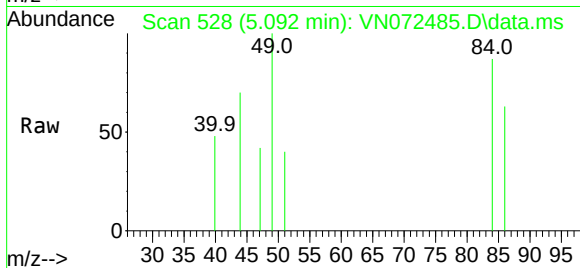
Tgt Ion: 43 Resp: 2368  
Ion Ratio Lower Upper  
43 100  
58 25.2 26.0 39.0#



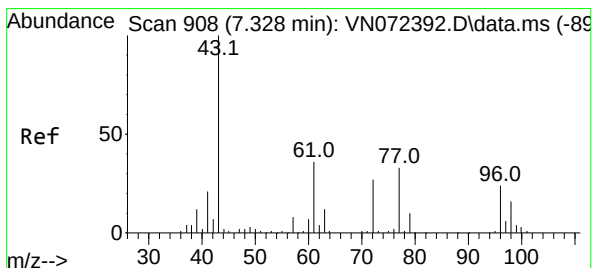
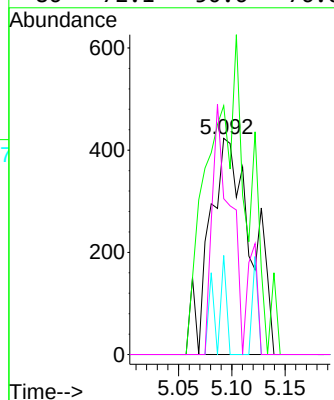


#20  
Methylene Chloride  
Concen: 0.321 ug/l  
RT: 5.092 min Scan# 51  
Delta R.T. -0.001 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
PZ-1

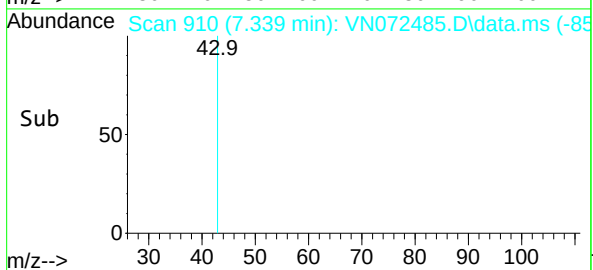
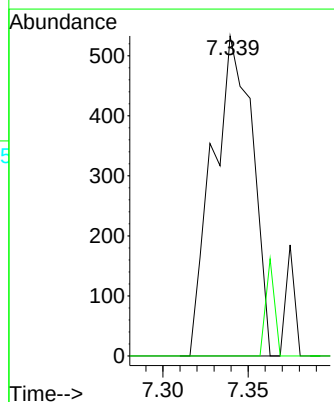
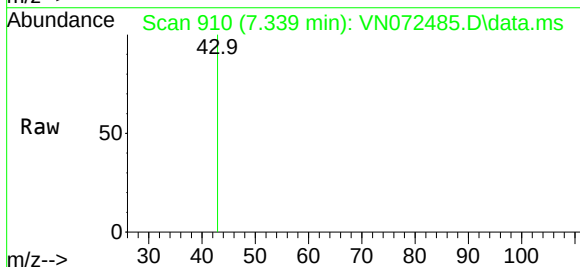


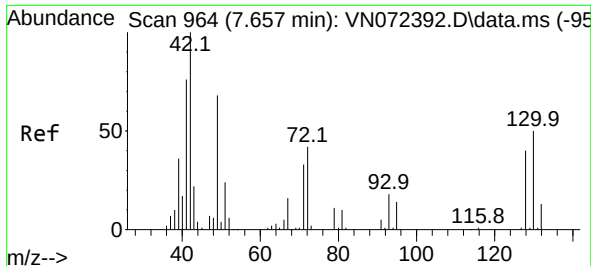
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 84 | Resp: | 1152        |
| Ion         | Ratio | Lower Upper |
| 84          | 100   |             |
| 49          | 115.1 | 88.3 132.5  |
| 51          | 45.9  | 28.2 42.2#  |
| 86          | 72.1  | 50.6 76.0   |



#25  
2-Butanone  
Concen: 0.314 ug/l  
RT: 7.339 min Scan# 910  
Delta R.T. 0.011 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 868         |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 72          | 0.0   | 23.7 35.5#  |

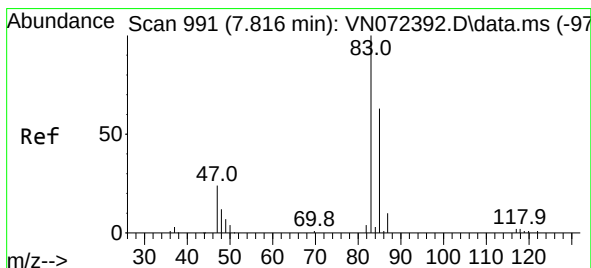
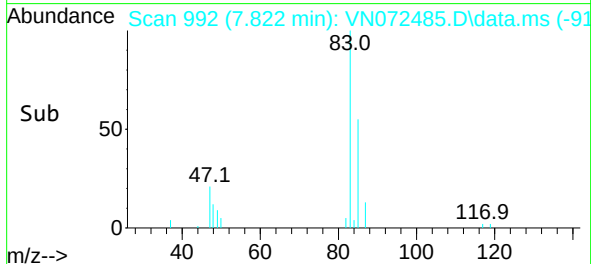
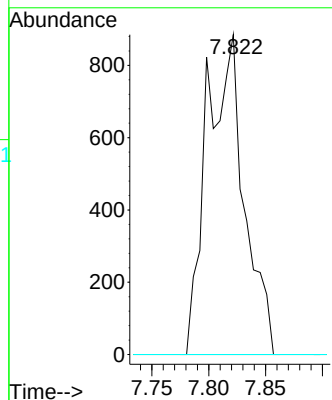
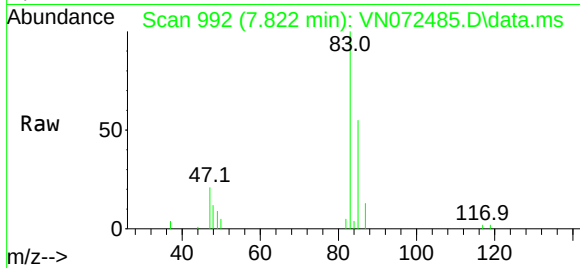




#28  
Bromochloromethane  
Concen: 0.764 ug/l  
RT: 7.822 min Scan# 992  
Delta R.T. 0.165 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

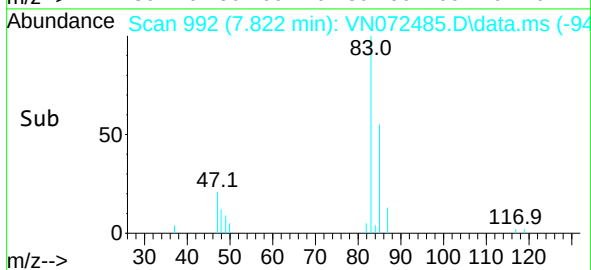
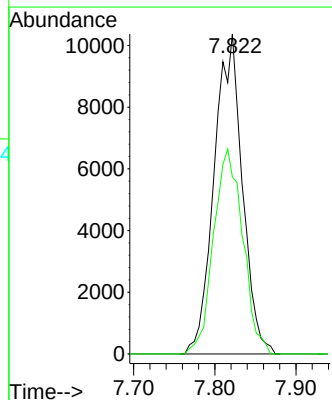
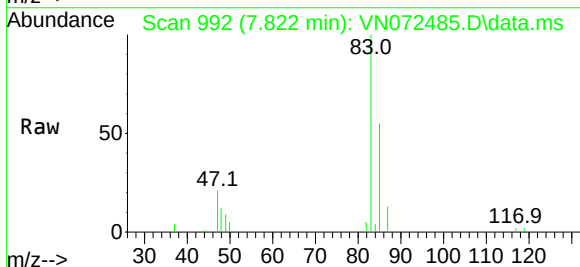
Instrument :  
MSVOA\_N  
ClientSampleId :  
PZ-1

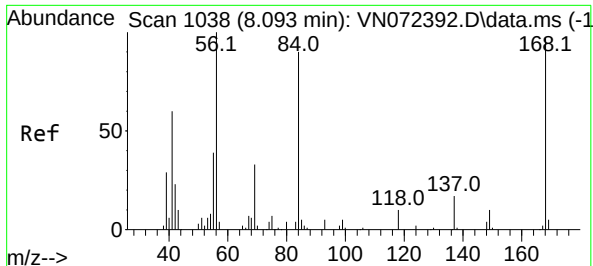
Tgt Ion: 49 Resp: 2015  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.6  
130 0.0 69.7 104.5#



#30  
Chloroform  
Concen: 3.954 ug/l  
RT: 7.822 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

Tgt Ion: 83 Resp: 24971  
Ion Ratio Lower Upper  
83 100  
85 55.4 51.8 77.8





#31

Cyclohexane

Concen: 1.083 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.013 min

Lab File: VN072485.D

Acq: 13 May 2022 18:26

Instrument :

MSVOA\_N

ClientSampleId :

PZ-1

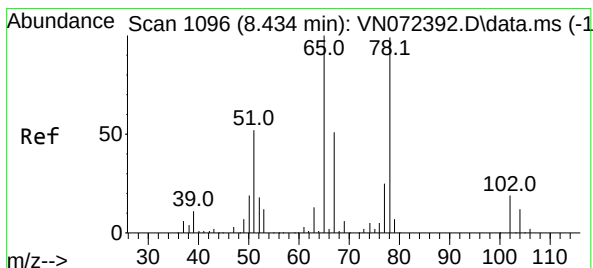
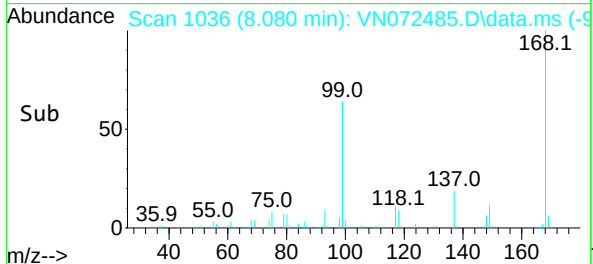
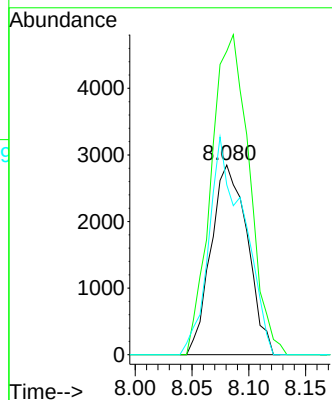
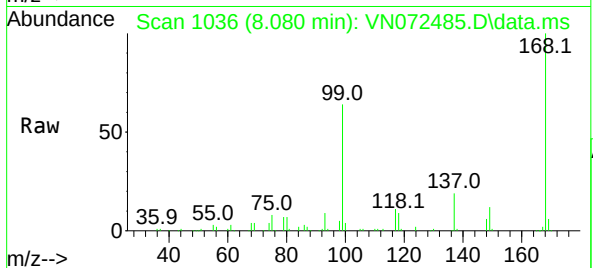
Tgt Ion: 56 Resp: 6349

Ion Ratio Lower Upper

56 100

69 160.1 27.8 41.8#

84 89.6 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 48.733 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072485.D

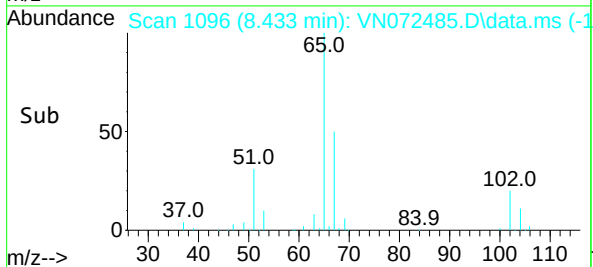
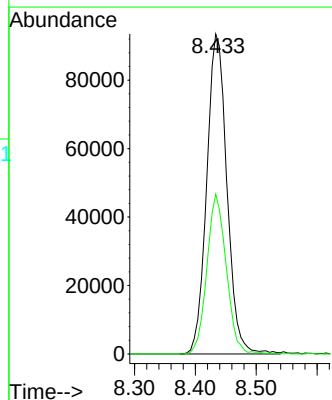
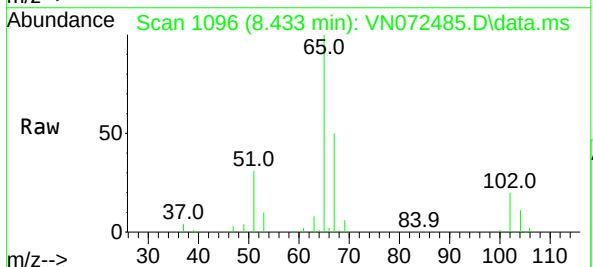
Acq: 13 May 2022 18:26

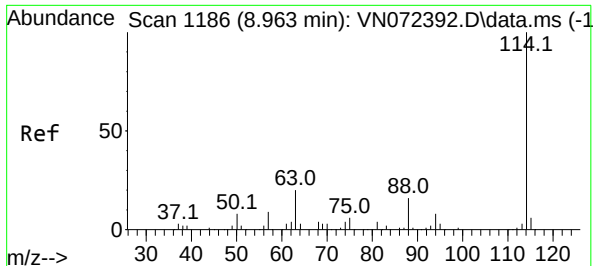
Tgt Ion: 65 Resp: 215676

Ion Ratio Lower Upper

65 100

67 47.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN072485.D

Acq: 13 May 2022 18:26

Instrument :

MSVOA\_N

ClientSampleId :

PZ-1

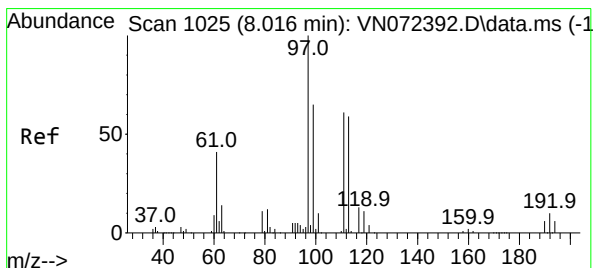
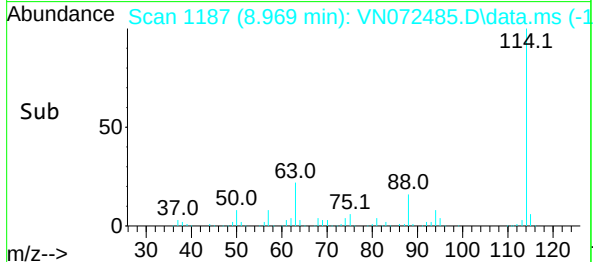
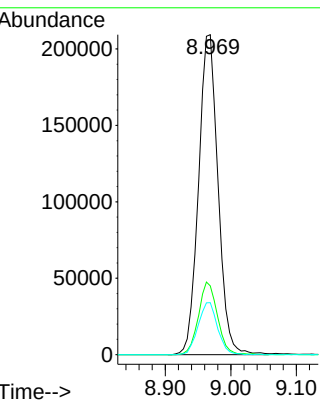
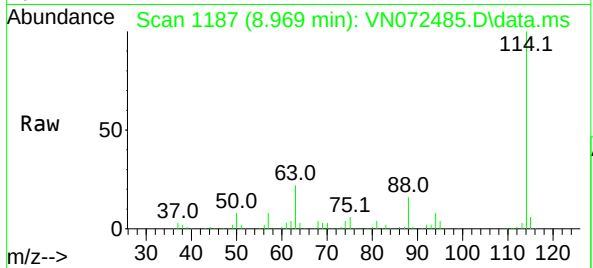
Tgt Ion:114 Resp: 432208

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.557 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072485.D

Acq: 13 May 2022 18:26

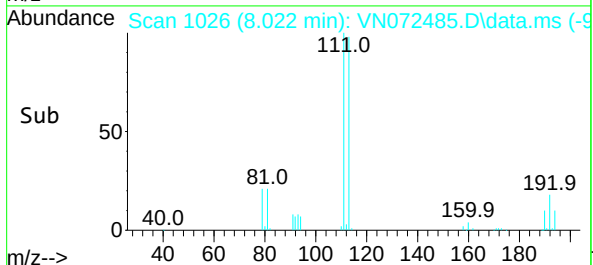
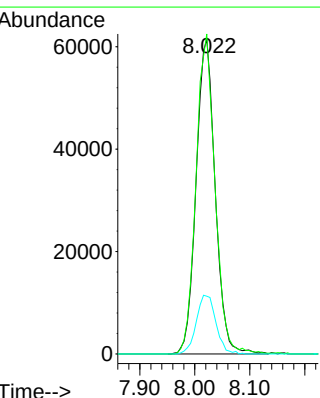
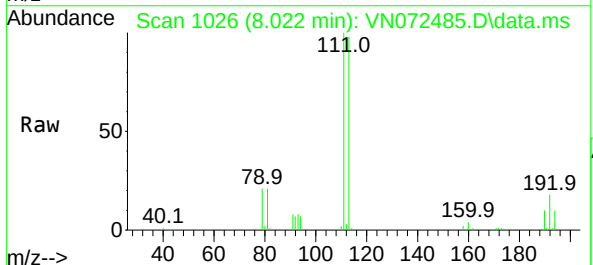
Tgt Ion:113 Resp: 148251

Ion Ratio Lower Upper

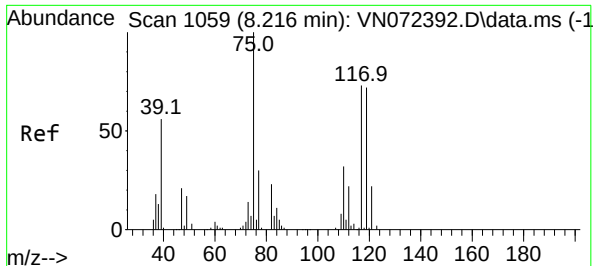
113 100

111 101.2 81.4 122.0

192 19.2 17.0 25.6







#36

1,1-Dichloropropene

Concen: 5.879 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072485.D

Acq: 13 May 2022 18:26

Instrument :

MSVOA\_N

ClientSampleId :

PZ-1

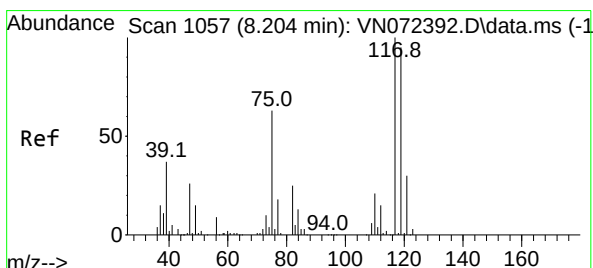
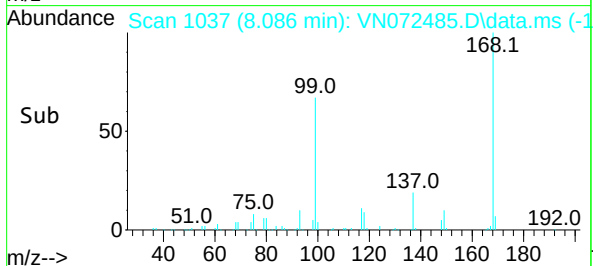
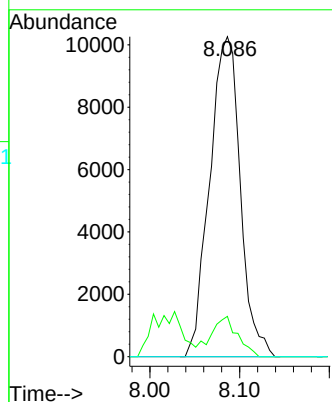
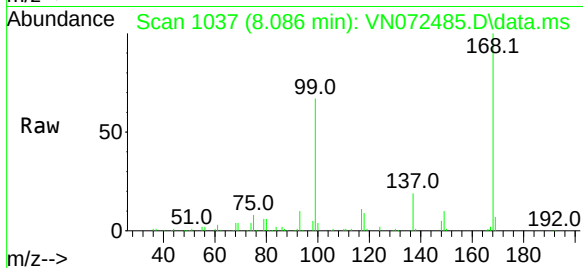
Tgt Ion: 75 Resp: 24282

Ion Ratio Lower Upper

75 100

110 10.9 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.107 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN072485.D

Acq: 13 May 2022 18:26

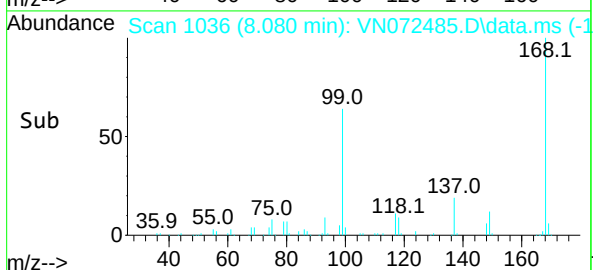
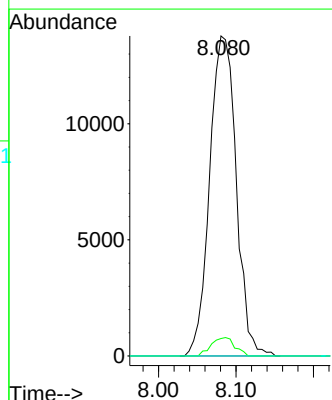
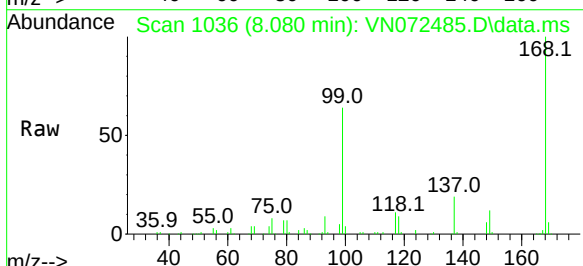
Tgt Ion: 117 Resp: 32852

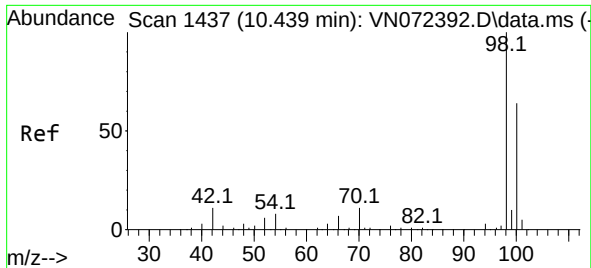
Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.8#

121 0.0 24.6 37.0#

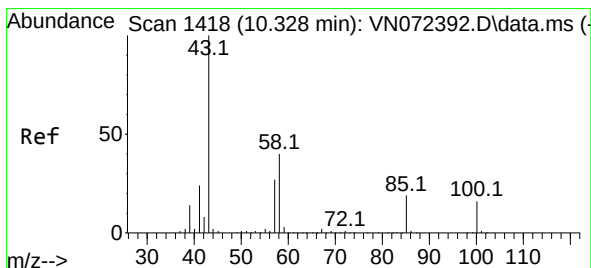
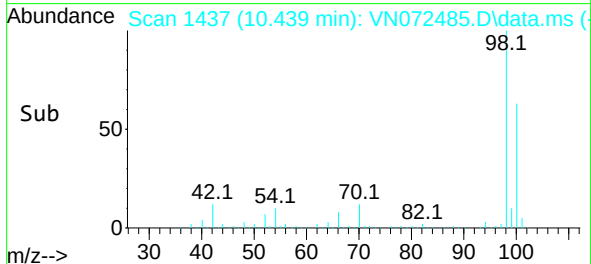
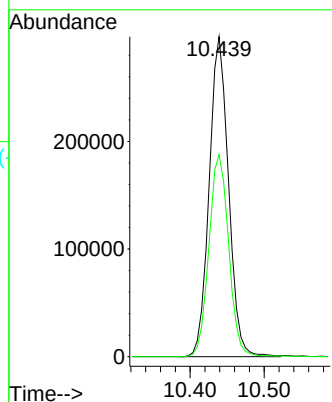
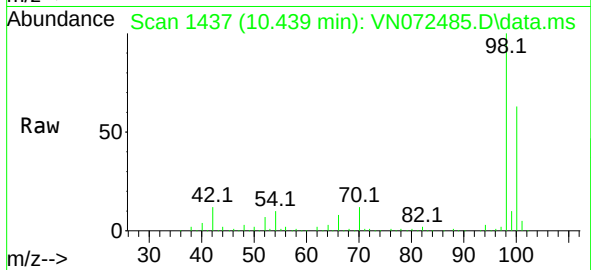




#50  
Toluene-d8  
Concen: 49.126 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

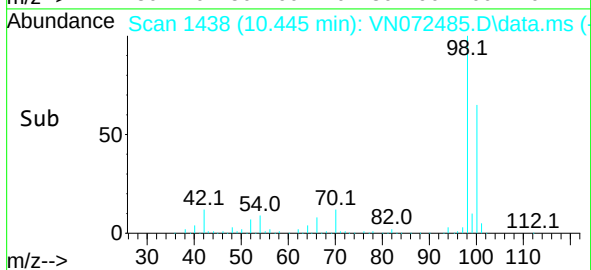
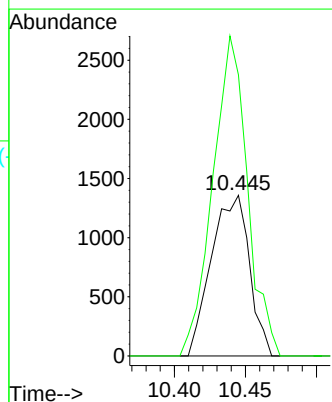
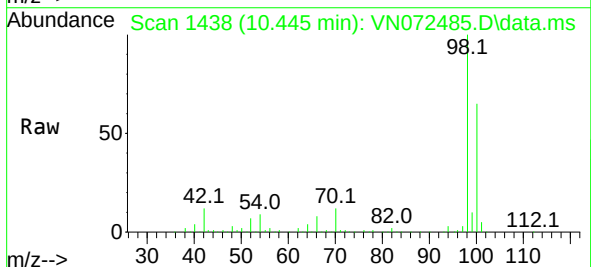
Instrument :  
MSVOA\_N  
ClientSampleId :  
PZ-1

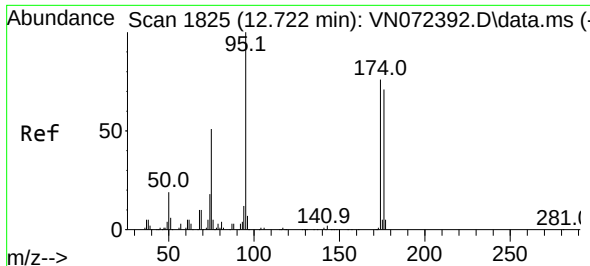
Tgt Ion: 98 Resp: 537992  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.535 ug/l  
RT: 10.445 min Scan# 1438  
Delta R.T. 0.117 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

Tgt Ion: 43 Resp: 2530  
Ion Ratio Lower Upper  
43 100  
58 182.0 34.1 51.1#

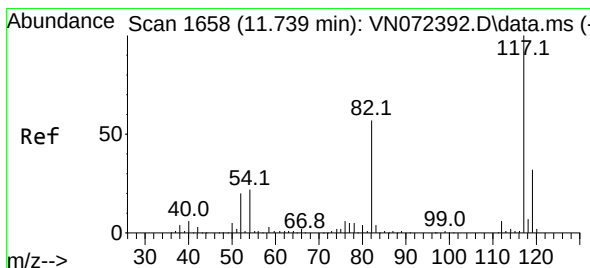
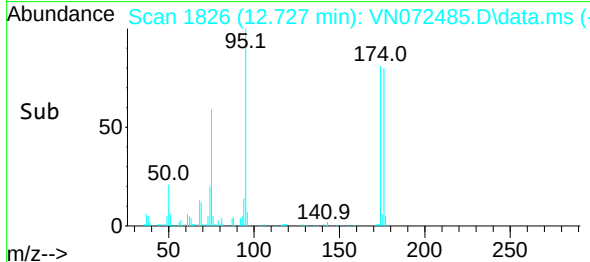
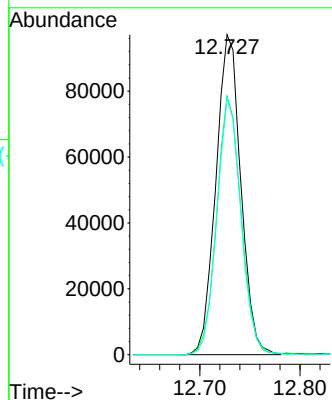
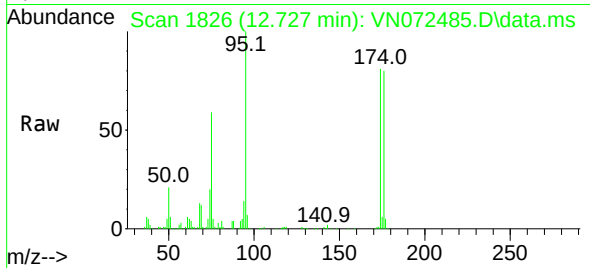




#62  
4-Bromofluorobenzene  
Concen: 46.163 ug/l  
RT: 12.727 min Scan# 1825  
Delta R.T. 0.005 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

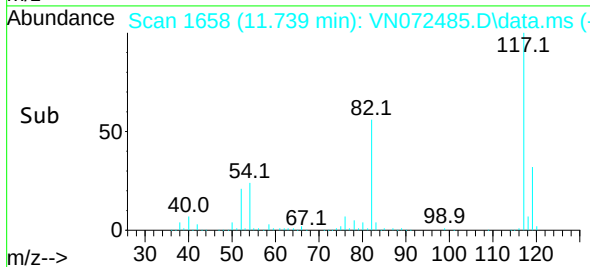
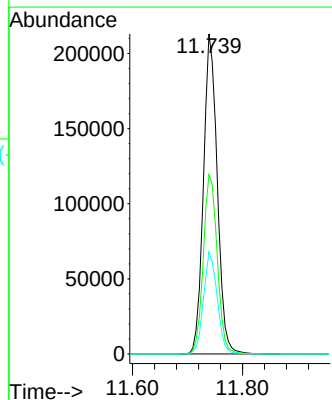
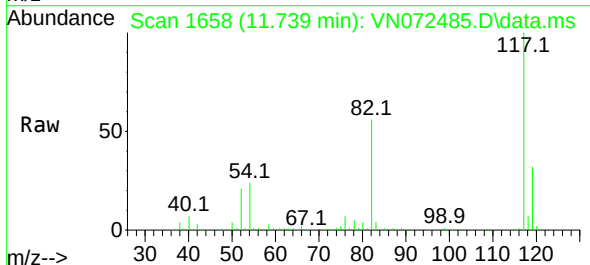
Instrument :  
MSVOA\_N  
ClientSampleId :  
PZ-1

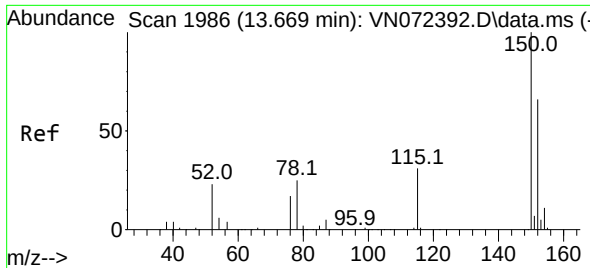
Tgt Ion: 95 Resp: 167893  
Ion Ratio Lower Upper  
95 100  
174 79.1 0.0 167.6  
176 77.6 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

Tgt Ion: 117 Resp: 372103  
Ion Ratio Lower Upper  
117 100  
82 56.1 44.2 66.2  
119 31.9 25.4 38.0

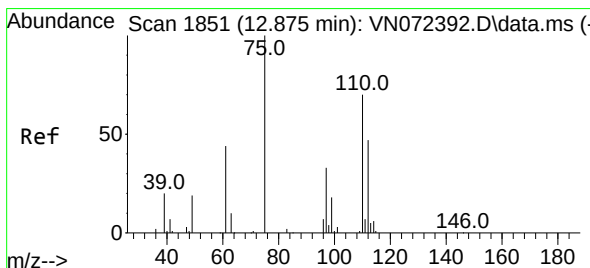
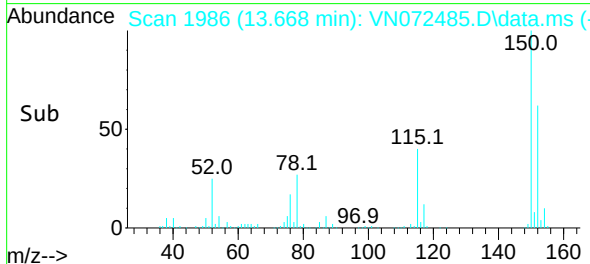
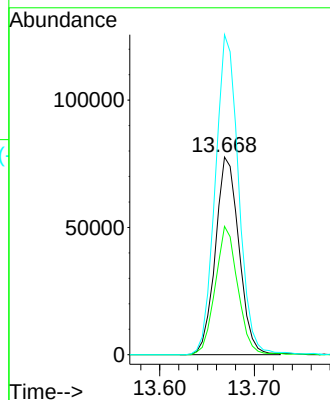
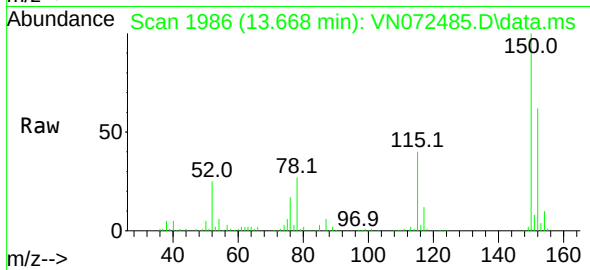




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.668 min Scan# 1986  
 Delta R.T. -0.001 min  
 Lab File: VN072485.D  
 Acq: 13 May 2022 18:26

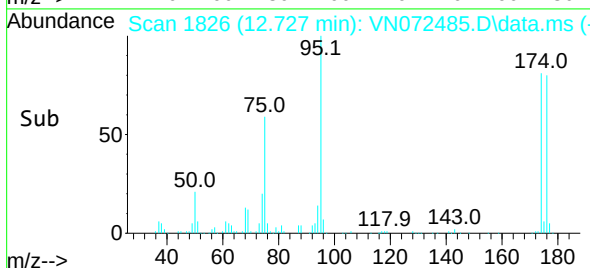
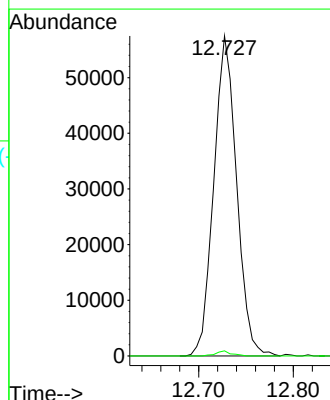
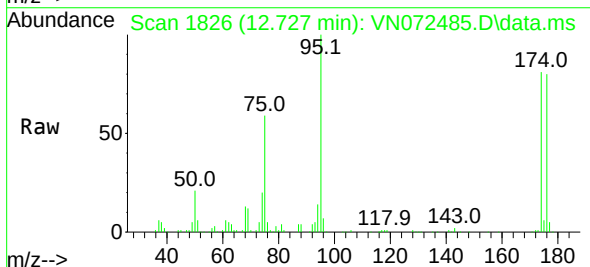
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PZ-1

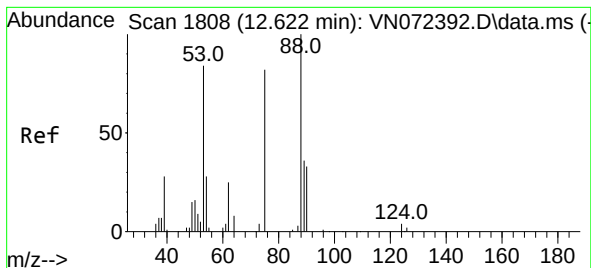
Tgt Ion:152 Resp: 134419  
 Ion Ratio Lower Upper  
 152 100  
 115 62.0 28.9 86.7  
 150 160.1 0.0 356.2



#76  
 1,2,3-Trichloropropane  
 Concen: 27.477 ug/l  
 RT: 12.727 min Scan# 1826  
 Delta R.T. -0.148 min  
 Lab File: VN072485.D  
 Acq: 13 May 2022 18:26

Tgt Ion: 75 Resp: 96332  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 98.5 295.5#

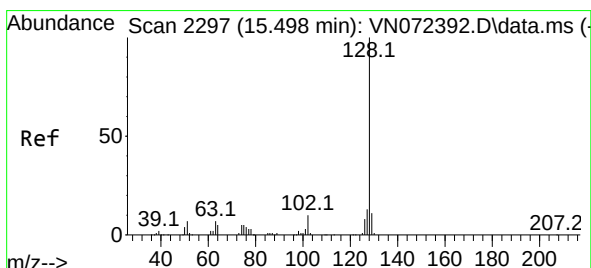
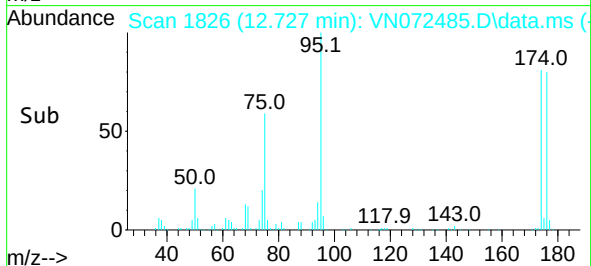
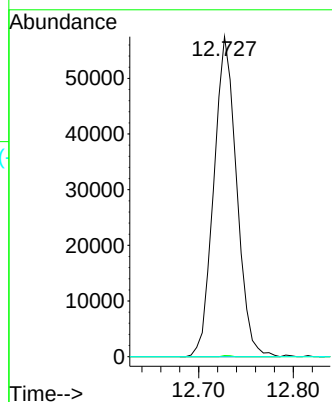
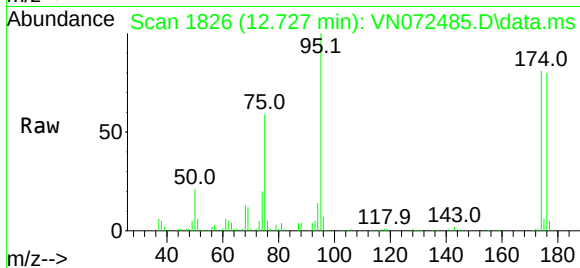




#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.664 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.105 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
PZ-1

Tgt Ion: 75 Resp: 96332  
Ion Ratio Lower Upper  
75 100  
53 0.1 78.0 117.0#  
89 0.0 37.2 55.8#



#95  
Naphthalene  
Concen: 3.396 ug/l  
RT: 15.509 min Scan# 2299  
Delta R.T. 0.011 min  
Lab File: VN072485.D  
Acq: 13 May 2022 18:26

Tgt Ion: 128 Resp: 1506  
Ion Ratio Lower Upper  
128 100  
127 4.0 10.3 15.5#  
129 0.0 8.6 13.0#

