

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082422\  
 Data File : VN074100.D  
 Acq On : 24 Aug 2022 18:44  
 Operator : JC\MD  
 Sample : N4280-06  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE139D2-20220817

Quant Time: Aug 25 07:55:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

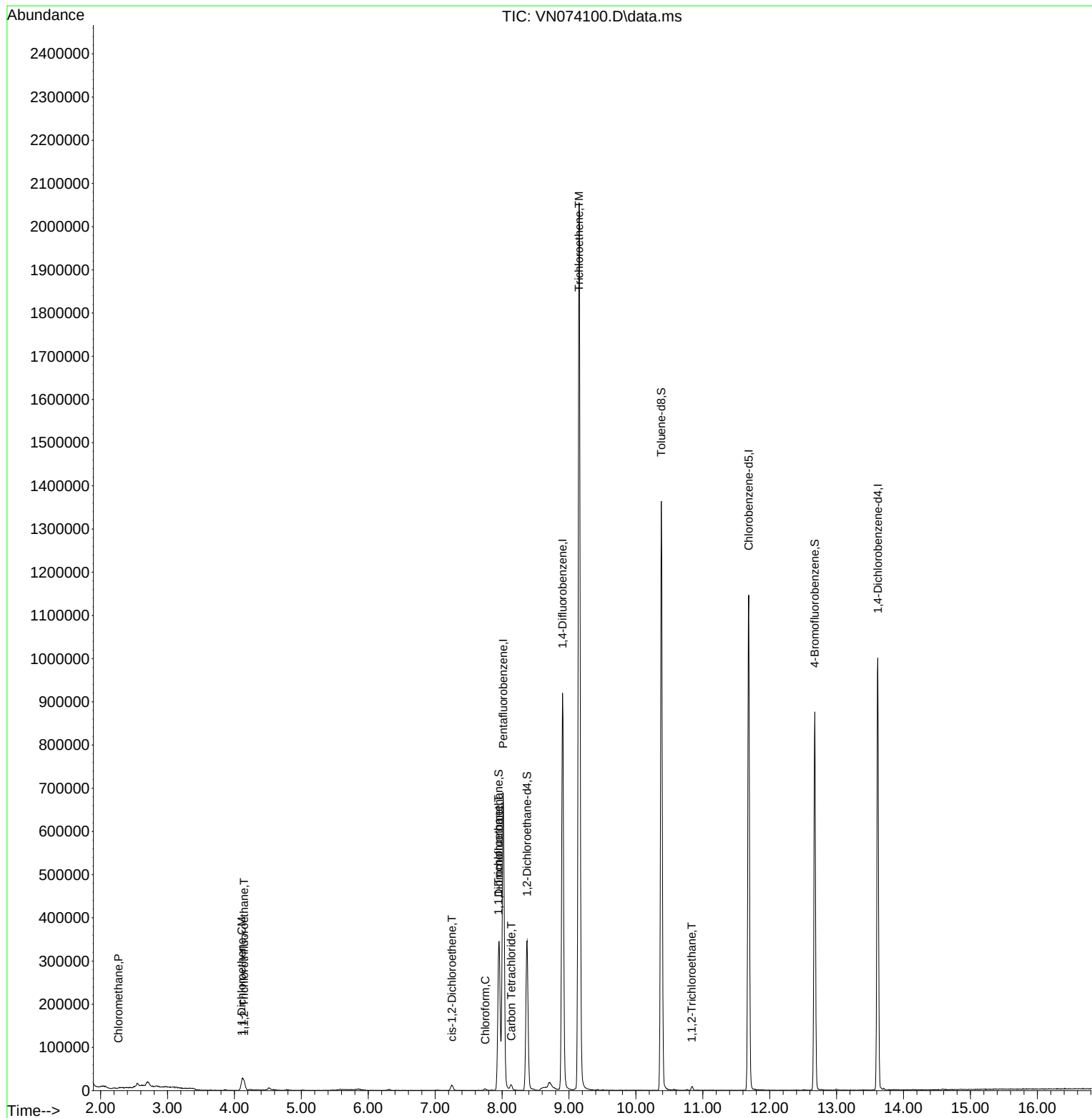
| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.016          | 168  | 566882              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.904          | 114  | 856893              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.686         | 117  | 718931              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.616         | 152  | 292337              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.375          | 65   | 291483              | 52.791  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 105.580% |         |        |          |
| 35) Dibromofluoromethane     | 7.951          | 113  | 257244              | 50.763  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.520% |         |        |          |
| 50) Toluene-d8               | 10.380         | 98   | 966639              | 49.252  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 98.500%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.674         | 95   | 291126              | 44.695  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 89.400%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 3) Chloromethane             | 2.269          | 50   | 1094                | 0.219   | ug/l # | 72       |
| 9) 1,1,2-Trichlorotrifluo... | 4.146          | 101  | 12399               | 2.579   | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 4.110          | 96   | 12066               | 2.697   | ug/l   | 88       |
| 27) cis-1,2-Dichloroethene   | 7.251          | 96   | 8018                | 1.318   | ug/l   | 86       |
| 30) Chloroform               | 7.751          | 83   | 3963                | 0.405   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.945          | 97   | 1839                | 0.212   | ug/l # | 45       |
| 38) Carbon Tetrachloride     | 8.139          | 117  | 9294                | 1.155   | ug/l   | 92       |
| 44) Trichloroethene          | 9.151          | 130  | 811526              | 126.477 | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane    | 10.833         | 97   | 3102                | 0.523   | ug/l # | 88       |
| -----                        |                |      |                     |         |        |          |

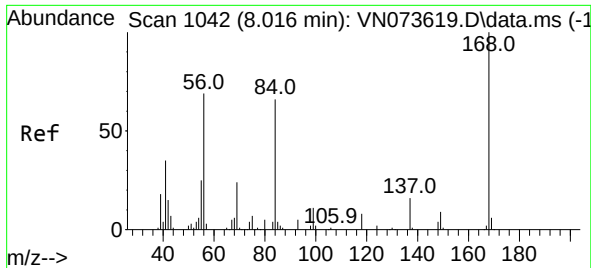
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

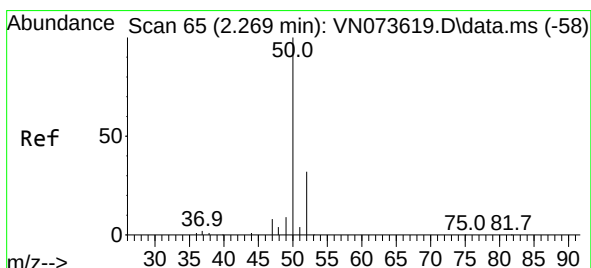
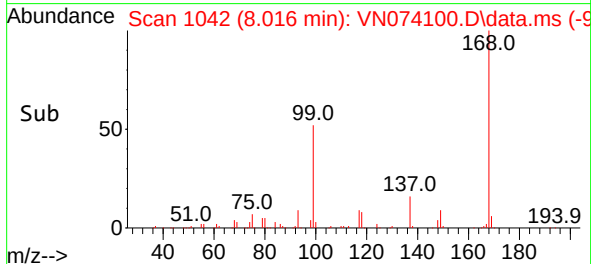
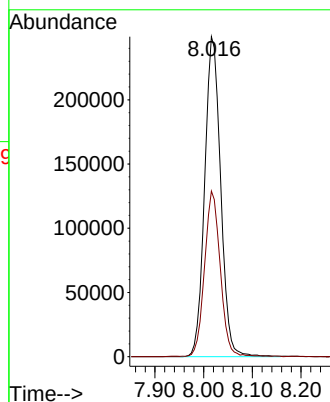
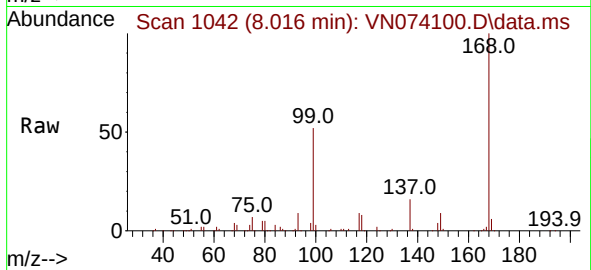




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN074100.D  
Acq: 24 Aug 2022 18:44

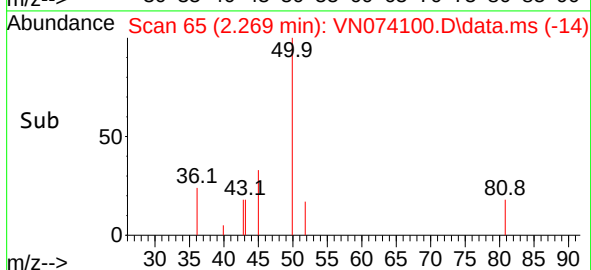
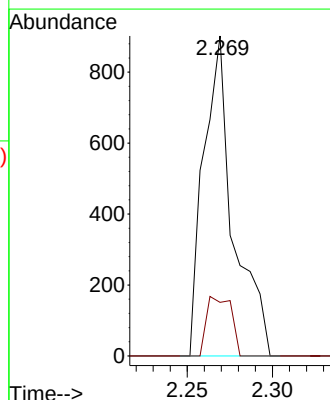
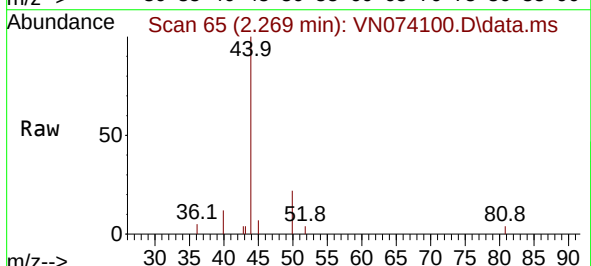
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE139D2-20220817

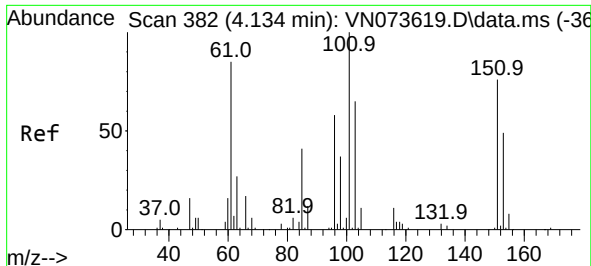
Tgt Ion:168 Resp: 566882  
Ion Ratio Lower Upper  
168 100  
99 51.7 42.3 63.5



#3  
Chloromethane  
Concen: 0.219 ug/l  
RT: 2.269 min Scan# 65  
Delta R.T. 0.000 min  
Lab File: VN074100.D  
Acq: 24 Aug 2022 18:44

Tgt Ion: 50 Resp: 1094  
Ion Ratio Lower Upper  
50 100  
52 16.7 25.7 38.5#

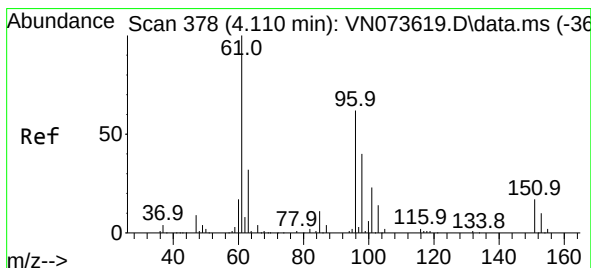
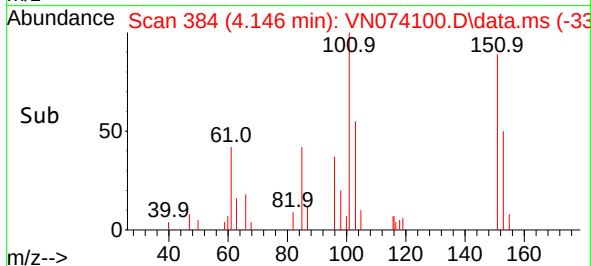
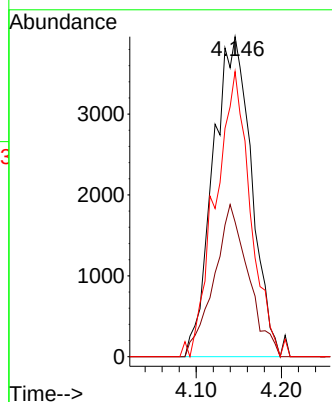
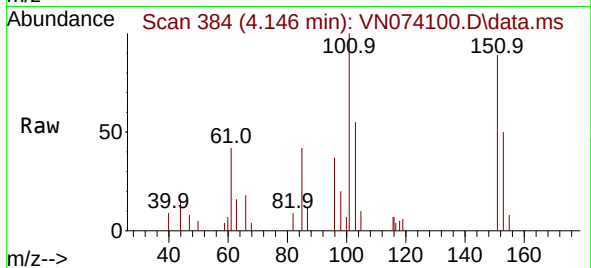




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.579 ug/l  
RT: 4.146 min Scan# 382  
Delta R.T. 0.012 min  
Lab File: VN074100.D  
Acq: 24 Aug 2022 18:44

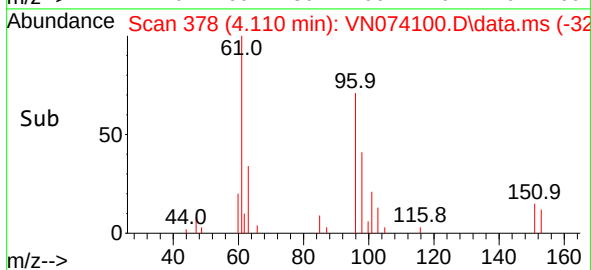
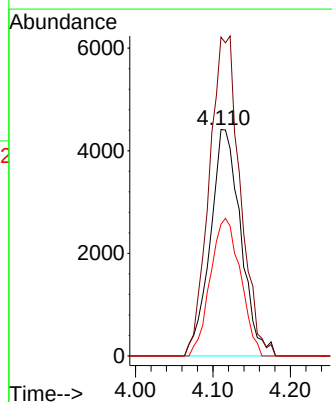
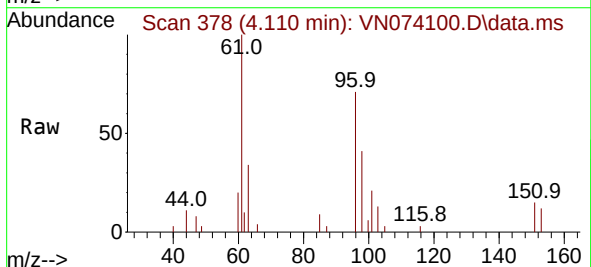
Instrument :  
MSVOA\_N  
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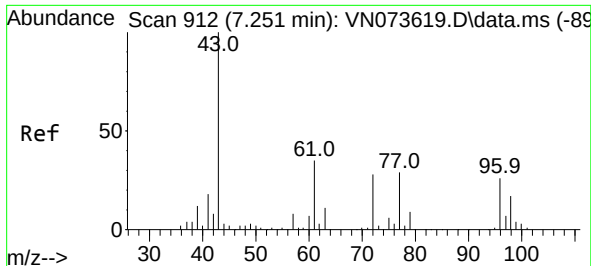
Tgt Ion:101 Resp: 12399  
Ion Ratio Lower Upper  
101 100  
85 42.6 34.7 52.1  
151 81.6 63.0 94.4



#12  
1,1-Dichloroethene  
Concen: 2.697 ug/l  
RT: 4.110 min Scan# 378  
Delta R.T. 0.000 min  
Lab File: VN074100.D  
Acq: 24 Aug 2022 18:44

Tgt Ion: 96 Resp: 12066  
Ion Ratio Lower Upper  
96 100  
61 140.8 127.6 191.4  
98 58.2 51.2 76.8





#27

cis-1,2-Dichloroethene

Concen: 1.318 ug/l

RT: 7.251 min Scan# 912

Delta R.T. 0.000 min

Lab File: VN074100.D

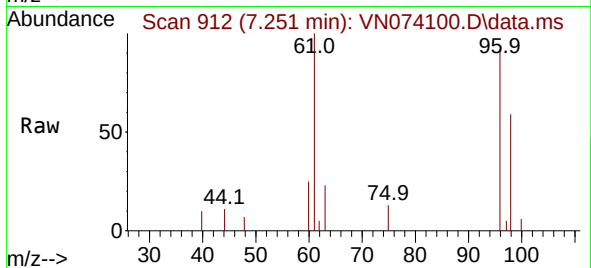
Acq: 24 Aug 2022 18:44

Instrument :

MSVOA\_N

ClientSampleId :

RE139D2-20220817



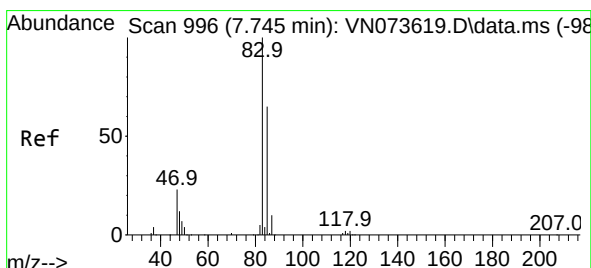
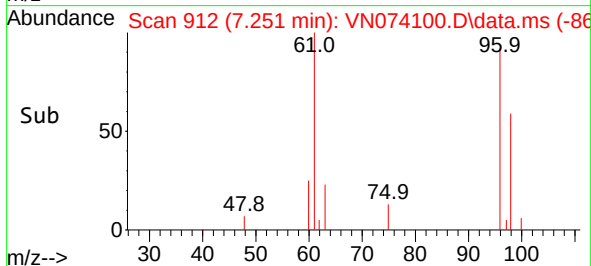
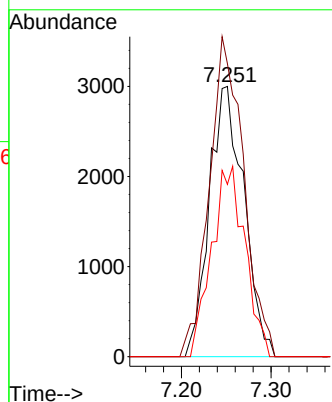
Tgt Ion: 96 Resp: 8018

Ion Ratio Lower Upper

96 100

61 117.8 0.0 280.6

98 68.1 0.0 128.4



#30

Chloroform

Concen: 0.405 ug/l

RT: 7.751 min Scan# 997

Delta R.T. 0.006 min

Lab File: VN074100.D

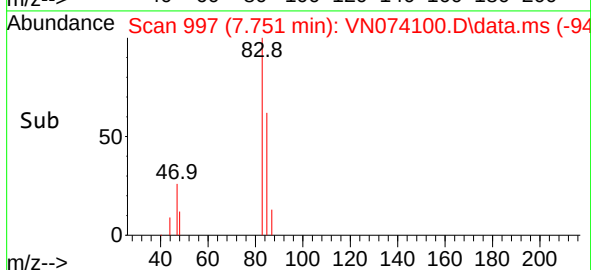
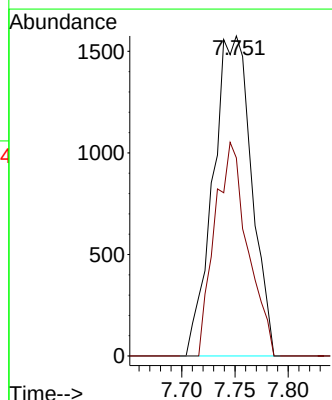
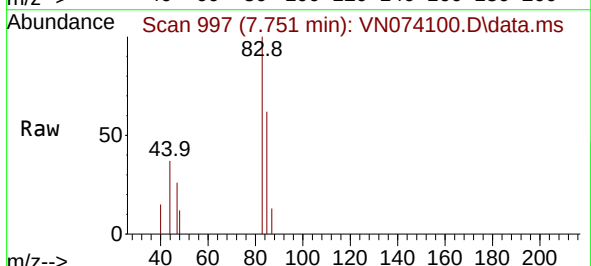
Acq: 24 Aug 2022 18:44

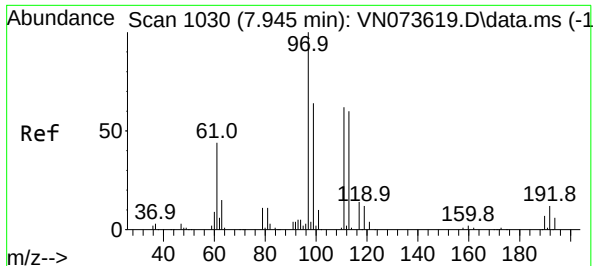
Tgt Ion: 83 Resp: 3963

Ion Ratio Lower Upper

83 100

85 61.9 51.8 77.8





#32

1,1,1-Trichloroethane

Concen: 0.212 ug/l

RT: 7.945 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VN074100.D

Acq: 24 Aug 2022 18:44

Instrument :

MSVOA\_N

ClientSampleId :

RE139D2-20220817

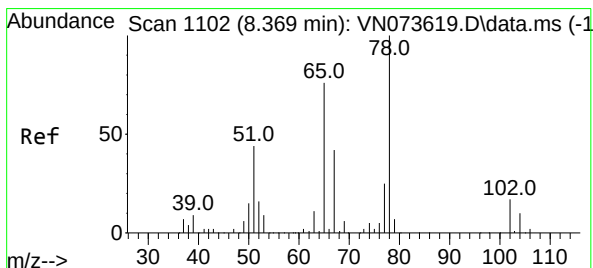
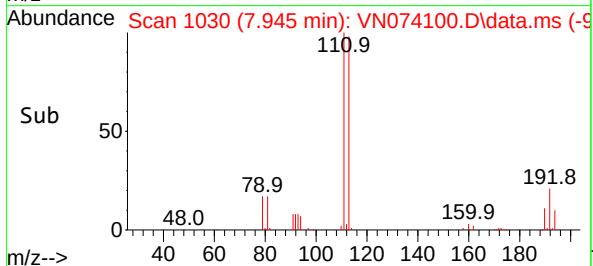
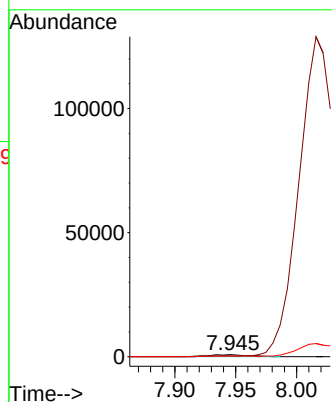
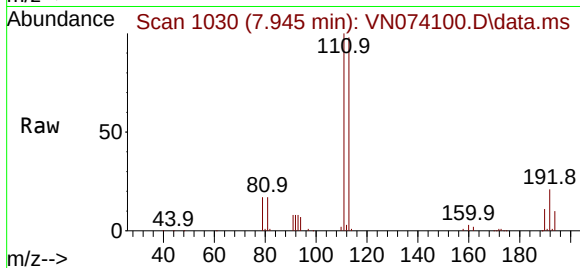
Tgt Ion: 97 Resp: 1839

Ion Ratio Lower Upper

97 100

99 0.0 50.6 76.0#

61 33.4 36.0 54.0#



#33

1,2-Dichloroethane-d4

Concen: 52.791 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074100.D

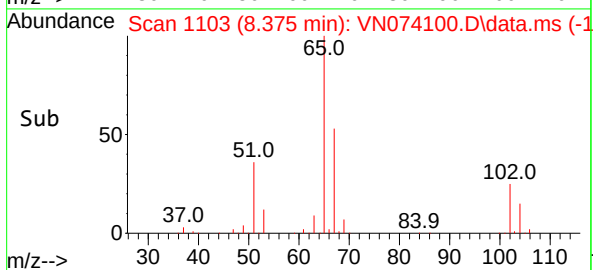
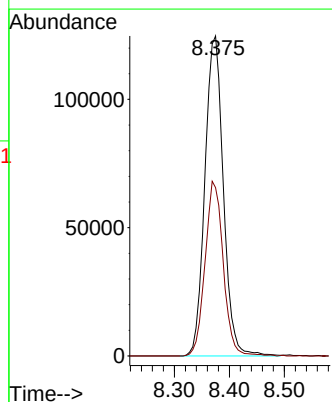
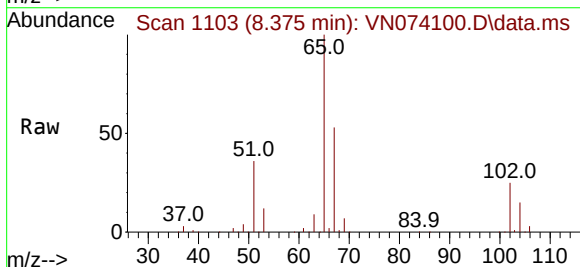
Acq: 24 Aug 2022 18:44

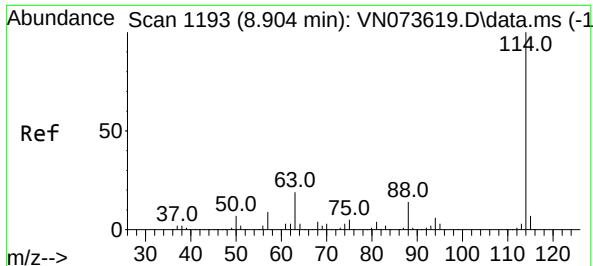
Tgt Ion: 65 Resp: 291483

Ion Ratio Lower Upper

65 100

67 53.7 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: VN074100.D

Acq: 24 Aug 2022 18:44

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MSVOA\_N

ClientSampleId :

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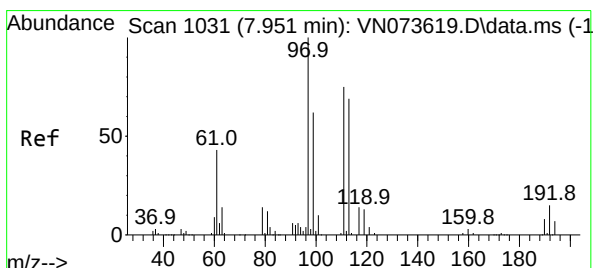
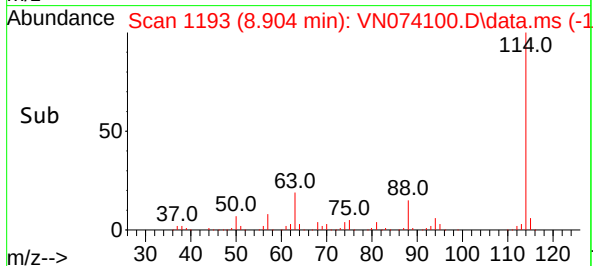
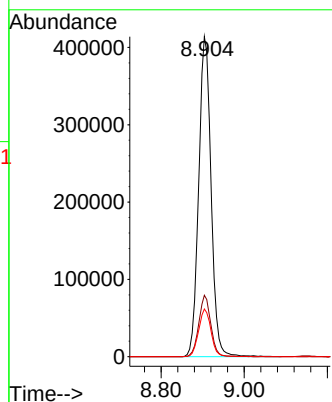
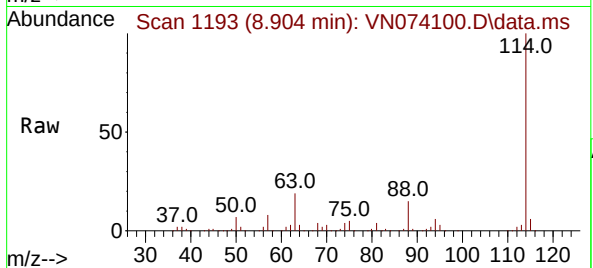
Tgt Ion:114 Resp: 856893

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.763 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074100.D

Acq: 24 Aug 2022 18:44

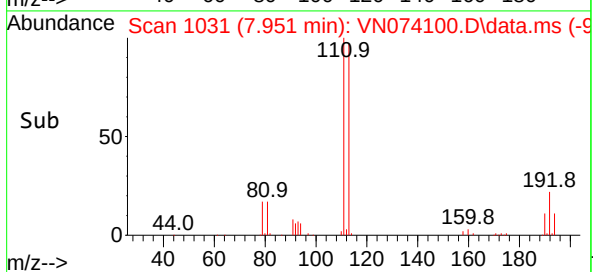
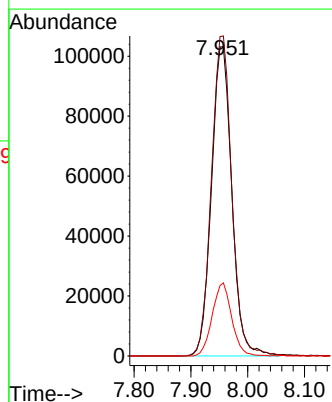
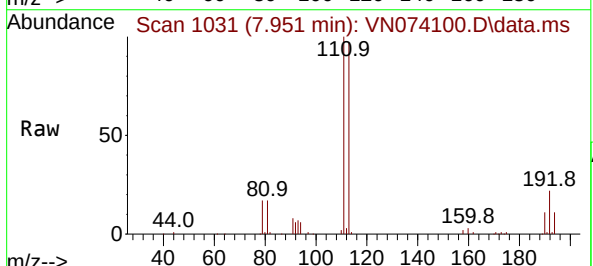
Tgt Ion:113 Resp: 257244

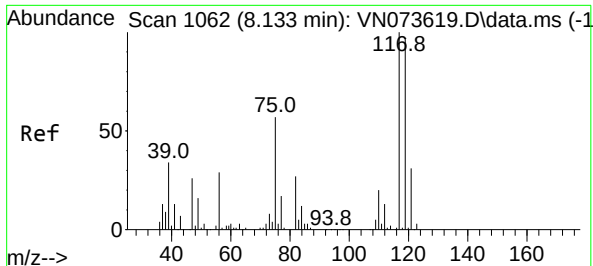
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 22.5 17.0 25.6

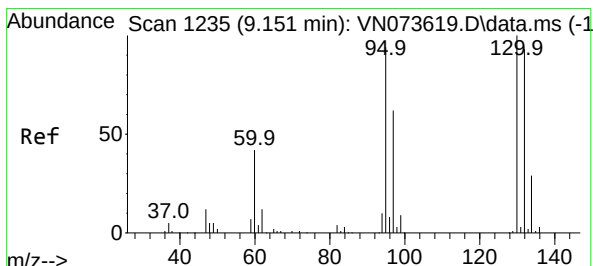
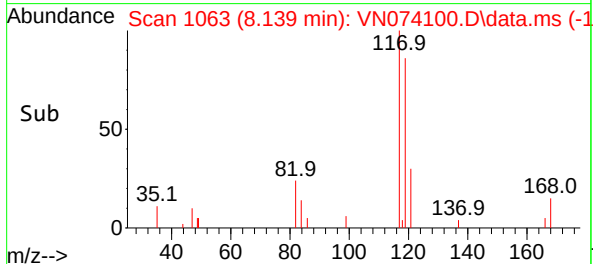
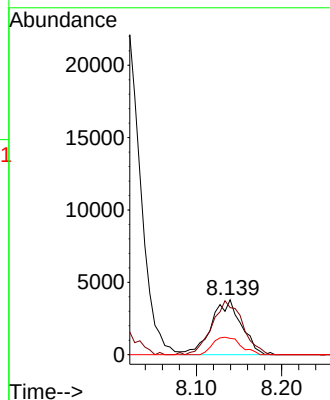
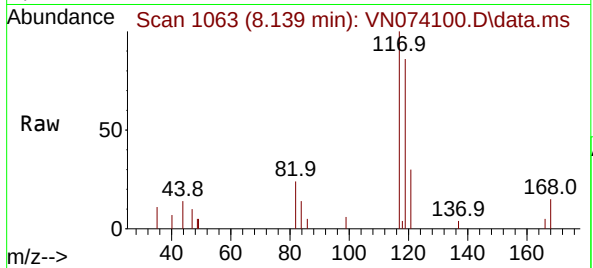




#38  
Carbon Tetrachloride  
Concen: 1.155 ug/l  
RT: 8.139 min Scan# 1062  
Delta R.T. 0.006 min  
Lab File: VN074100.D  
Acq: 24 Aug 2022 18:44

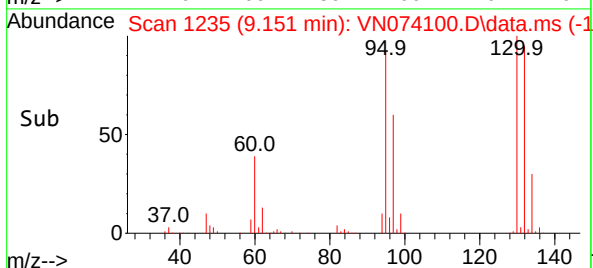
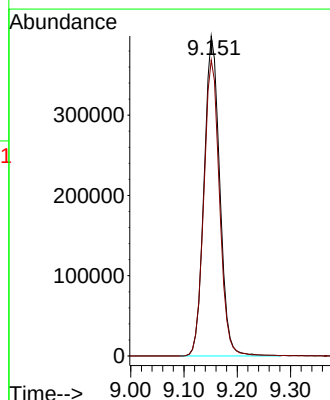
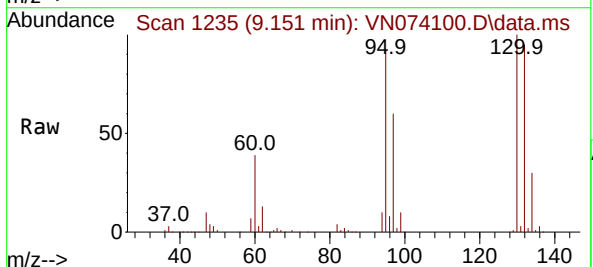
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ClientSampleId :  
RE139D2-20220817

Tgt Ion:117 Resp: 9294  
Ion Ratio Lower Upper  
117 100  
119 85.6 75.8 113.8  
121 29.6 24.6 37.0

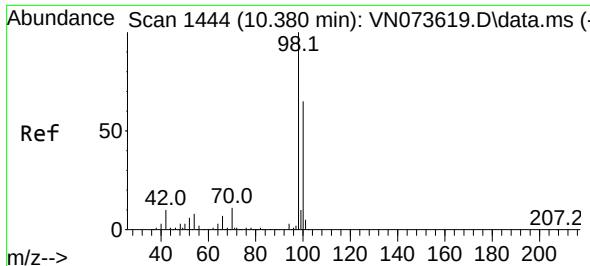


#44  
Trichloroethene  
Concen: 126.477 ug/l  
RT: 9.151 min Scan# 1235  
Delta R.T. 0.000 min  
Lab File: VN074100.D  
Acq: 24 Aug 2022 18:44

Tgt Ion:130 Resp: 811526  
Ion Ratio Lower Upper  
130 100  
95 92.5 0.0 186.8



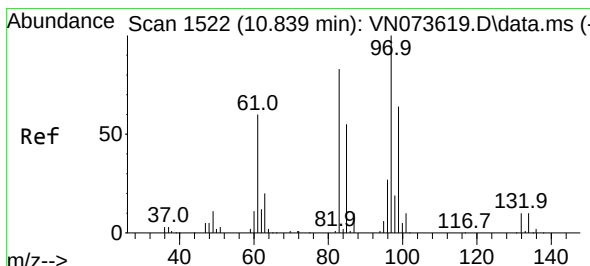
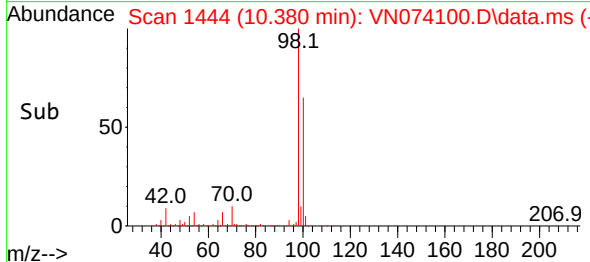
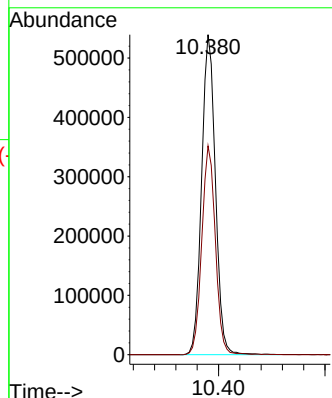
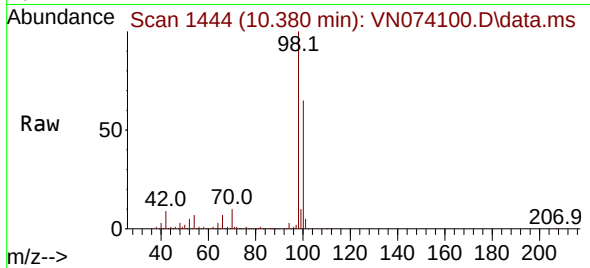




#50  
Toluene-d8  
Concen: 49.252 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN074100.D  
Acq: 24 Aug 2022 18:44

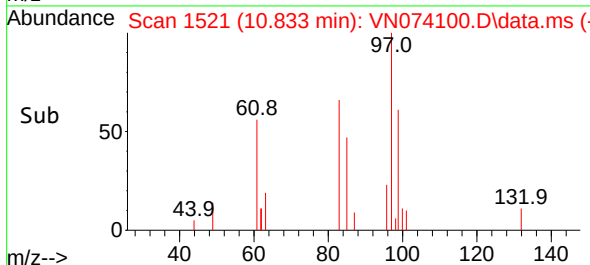
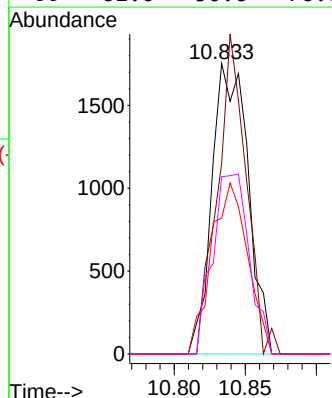
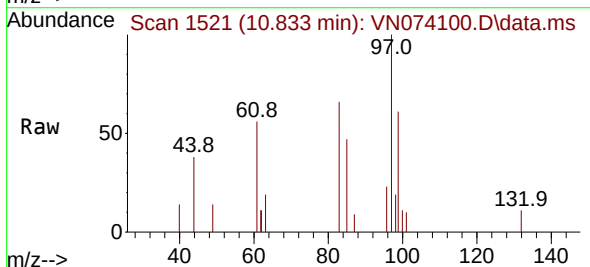
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE139D2-20220817

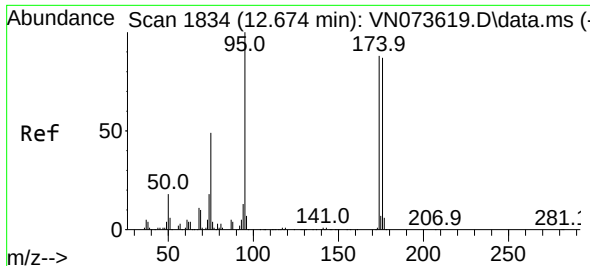
Tgt Ion: 98 Resp: 966639  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.6 78.8



#55  
1,1,2-Trichloroethane  
Concen: 0.523 ug/l  
RT: 10.833 min Scan# 1521  
Delta R.T. -0.006 min  
Lab File: VN074100.D  
Acq: 24 Aug 2022 18:44

Tgt Ion: 97 Resp: 3102  
Ion Ratio Lower Upper  
97 100  
83 65.5 66.2 99.4#  
85 46.8 43.9 65.9  
99 61.0 50.6 76.0

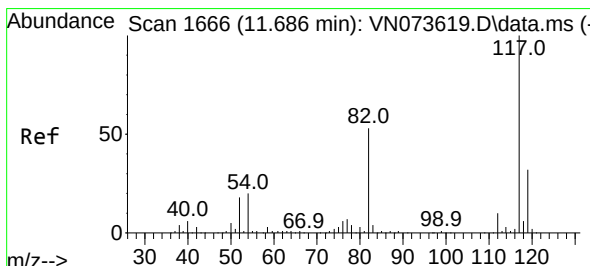
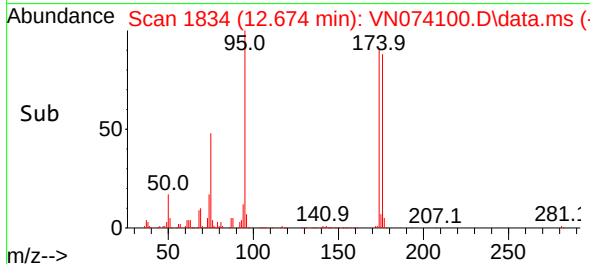
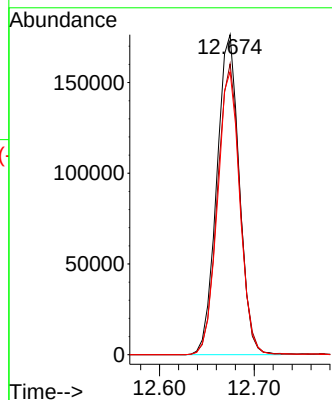
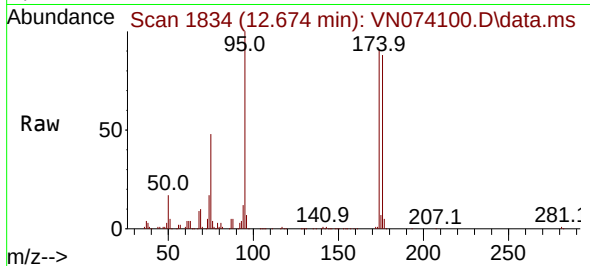




#62  
4-Bromofluorobenzene  
Concen: 44.695 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN074100.D  
Acq: 24 Aug 2022 18:44

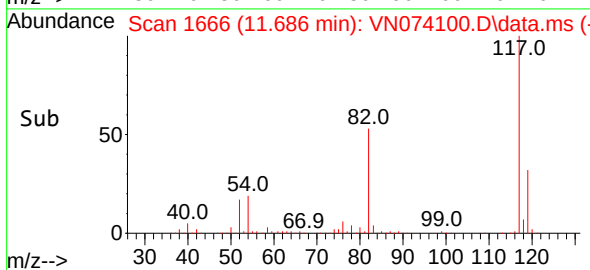
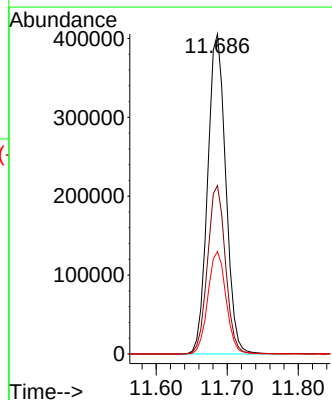
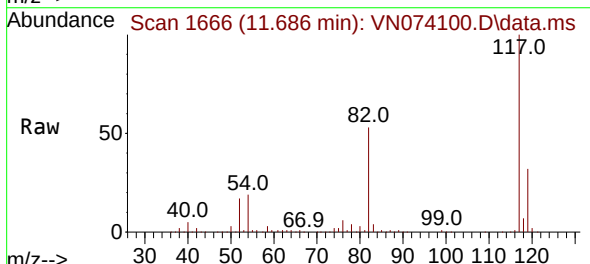
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE139D2-20220817

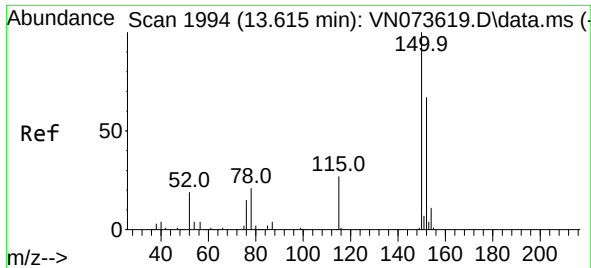
Tgt Ion: 95 Resp: 291126  
Ion Ratio Lower Upper  
95 100  
174 91.0 0.0 167.6  
176 88.1 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN074100.D  
Acq: 24 Aug 2022 18:44

Tgt Ion: 117 Resp: 718931  
Ion Ratio Lower Upper  
117 100  
82 52.6 44.2 66.2  
119 32.0 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: VN074100.D

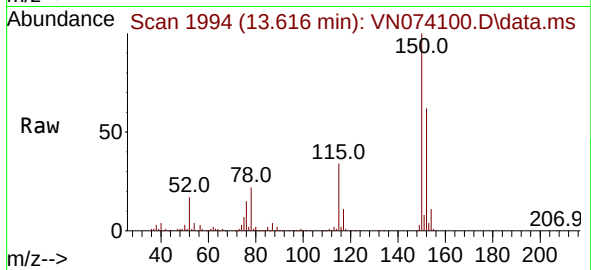
Acq: 24 Aug 2022 18:44

Instrument :

MSVOA\_N

ClientSampleId :

RE139D2-20220817



Tgt Ion:152 Resp: 292337

Ion Ratio Lower Upper

152 100

115 55.5 28.9 86.7

150 158.2 0.0 356.2

