

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080422\  
 Data File : VN073744.D  
 Acq On : 04 Aug 2022 18:23  
 Operator : JC\MD  
 Sample : PB146733TB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB146733TB

Quant Time: Aug 05 00:32:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 29 02:20:25 2022  
 Response via : Initial Calibration

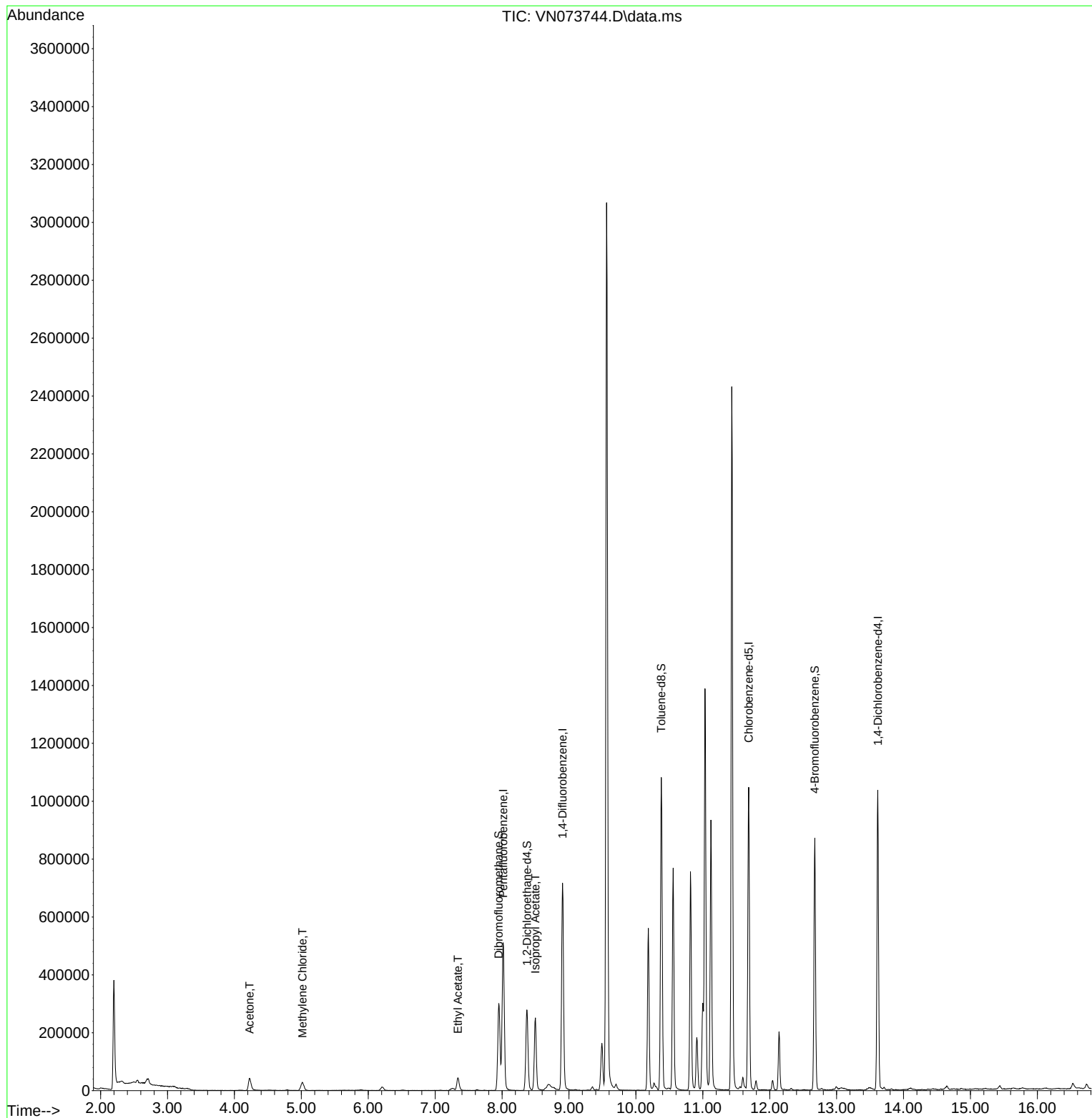
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.016          | 168  | 417851     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.904          | 114  | 666013     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.686         | 117  | 637928     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.615         | 152  | 293850     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.375          | 65   | 235276     | 46.203   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 92.400%  |        |          |
| 35) Dibromofluoromethane    | 7.951          | 113  | 221009     | 52.846   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 105.700% |        |          |
| 50) Toluene-d8              | 10.380         | 98   | 759275     | 46.136   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 92.280%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.674         | 95   | 287889     | 51.964   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 103.920% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
| 16) Acetone                 | 4.228          | 43   | 76733      | 28.055   | ug/l   | 99       |
| 20) Methylene Chloride      | 5.016          | 84   | 24620      | 3.515    | ug/l   | 92       |
| 37) Ethyl Acetate           | 7.339          | 43   | 69571      | 8.863    | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.498          | 43   | 276288     | 26.058   | ug/l # | 92       |
| -----                       |                |      |            |          |        |          |

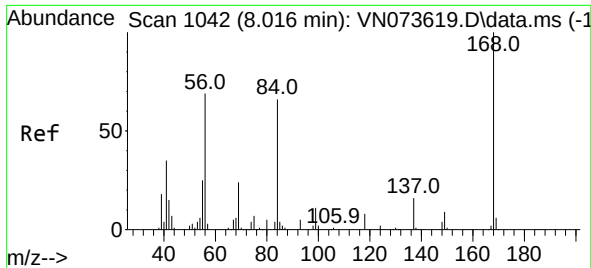
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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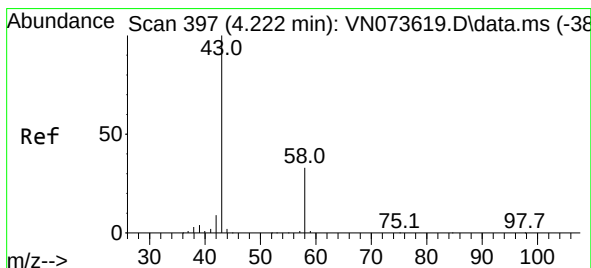
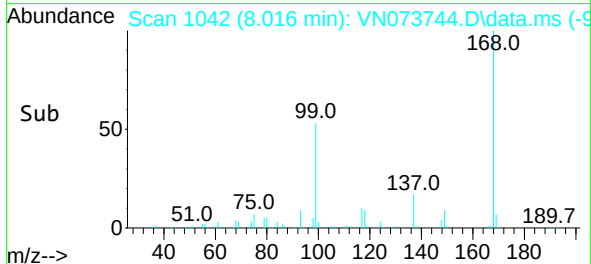
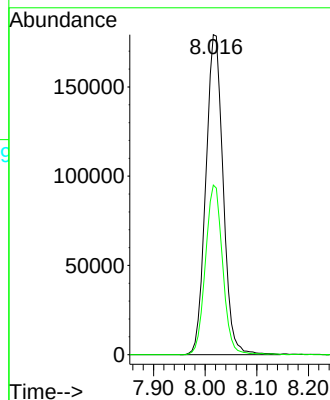
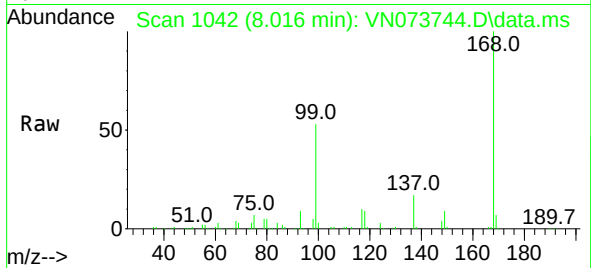




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073744.D  
Acq: 04 Aug 2022 18:23

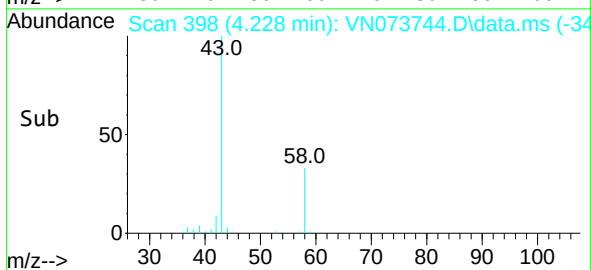
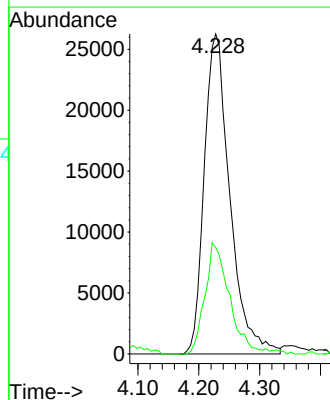
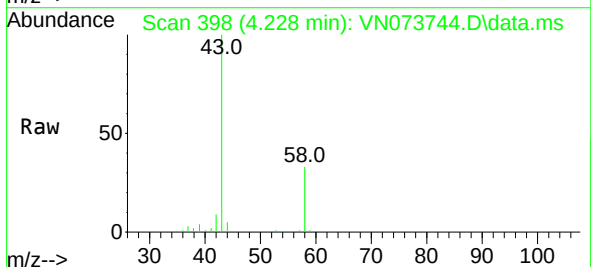
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB146733TB

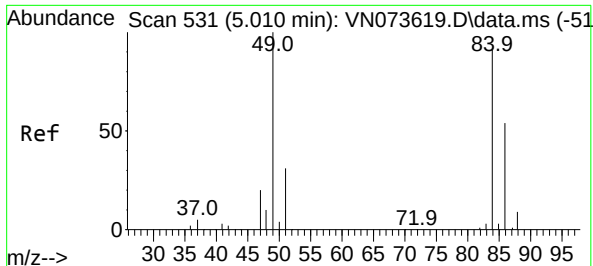
Tgt Ion:168 Resp: 417851  
Ion Ratio Lower Upper  
168 100  
99 53.0 42.3 63.5



#16  
Acetone  
Concen: 28.055 ug/l  
RT: 4.228 min Scan# 398  
Delta R.T. 0.006 min  
Lab File: VN073744.D  
Acq: 04 Aug 2022 18:23

Tgt Ion: 43 Resp: 76733  
Ion Ratio Lower Upper  
43 100  
58 33.2 26.0 39.0





#20

Methylene Chloride

Concen: 3.515 ug/l

RT: 5.016 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN073744.D

Acq: 04 Aug 2022 18:23

Instrument :

MSVOA\_N

ClientSampleId :

PB146733TB

Tgt Ion: 84 Resp: 24620

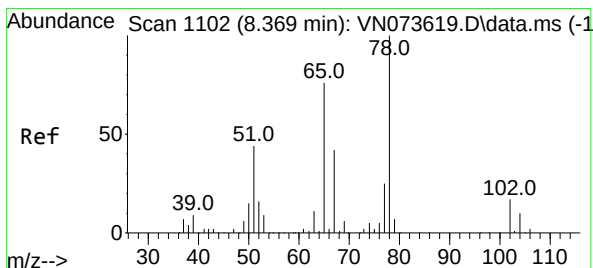
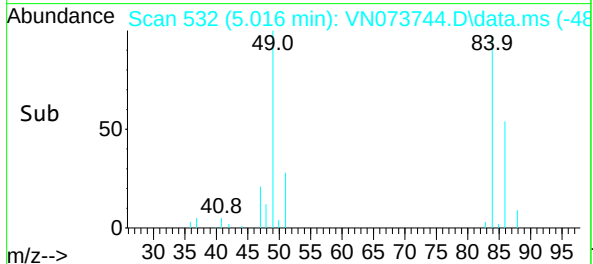
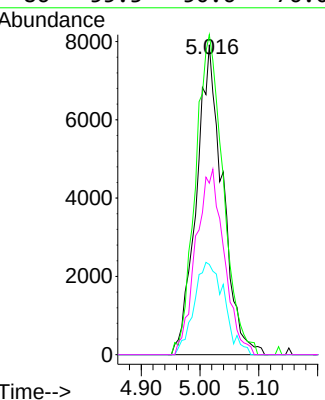
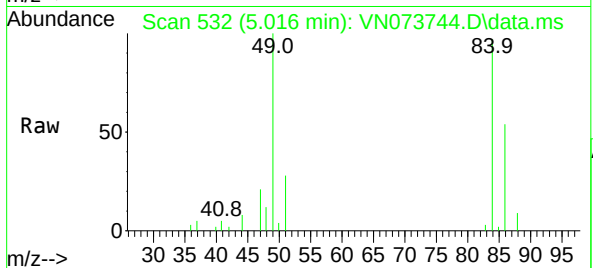
Ion Ratio Lower Upper

84 100

49 103.2 88.3 132.5

51 29.1 28.2 42.2

86 55.3 50.6 76.0



#33

1,2-Dichloroethane-d4

Concen: 46.203 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073744.D

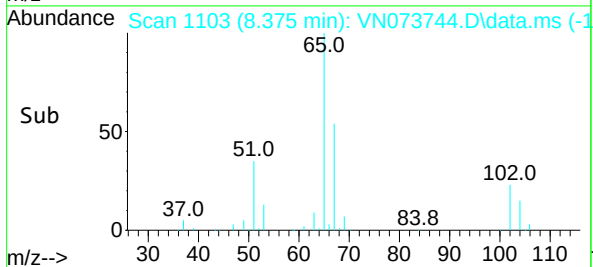
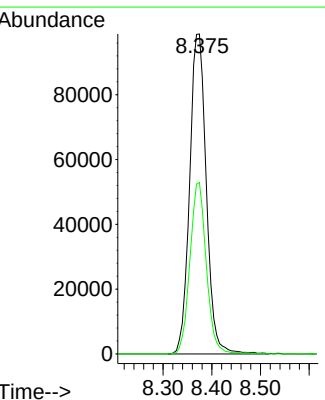
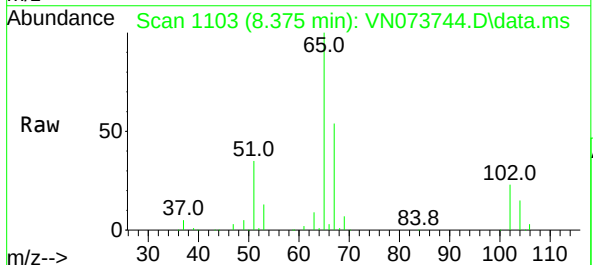
Acq: 04 Aug 2022 18:23

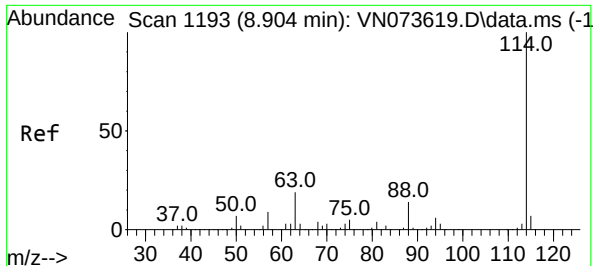
Tgt Ion: 65 Resp: 235276

Ion Ratio Lower Upper

65 100

67 52.7 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: VN073744.D

Acq: 04 Aug 2022 18:23

Instrument :

MSVOA\_N

ClientSampleId :

PB146733TB

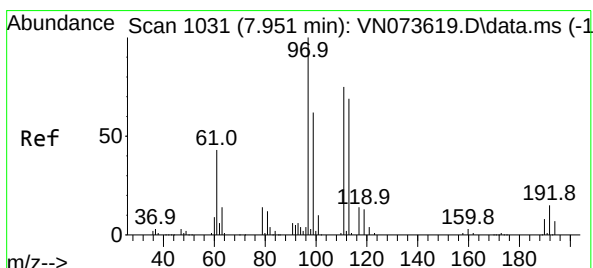
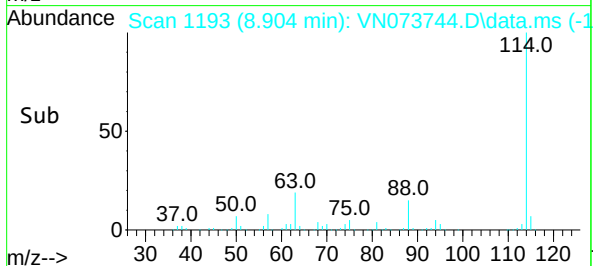
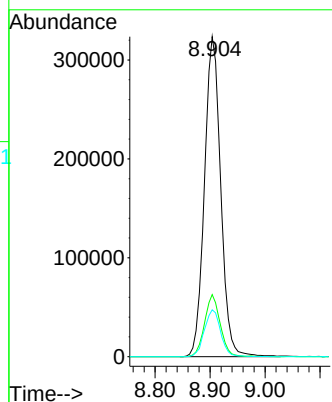
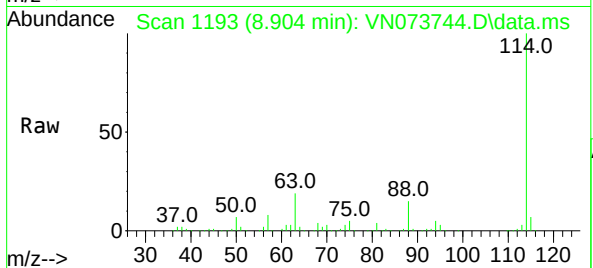
Tgt Ion:114 Resp: 666013

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.846 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073744.D

Acq: 04 Aug 2022 18:23

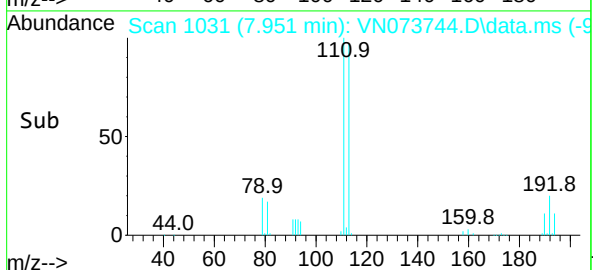
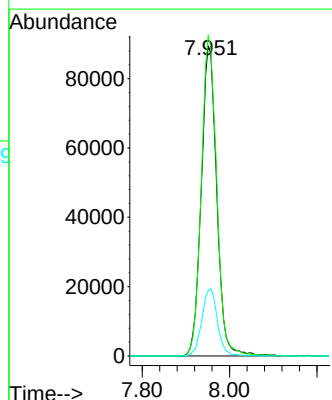
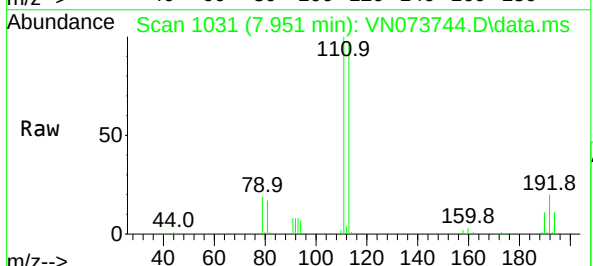
Tgt Ion:113 Resp: 221009

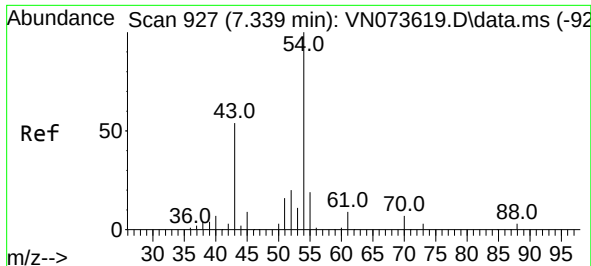
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 21.7 17.0 25.6

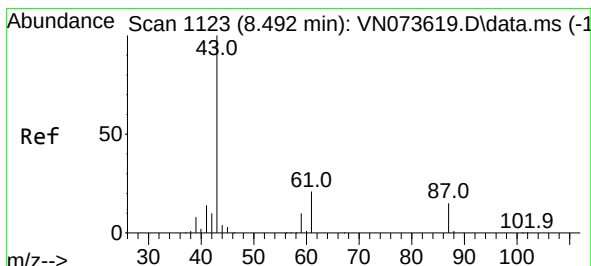
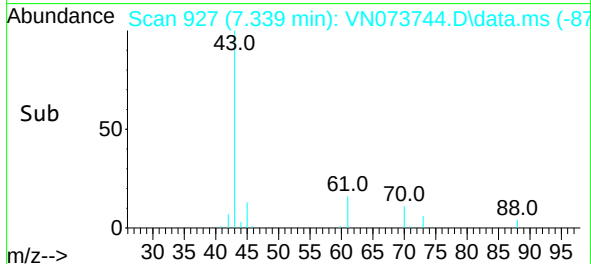
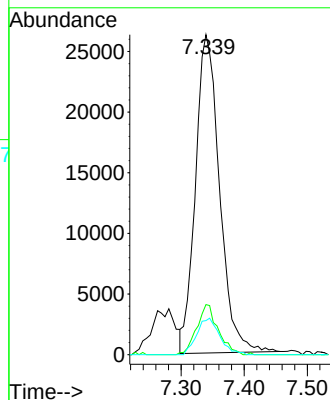
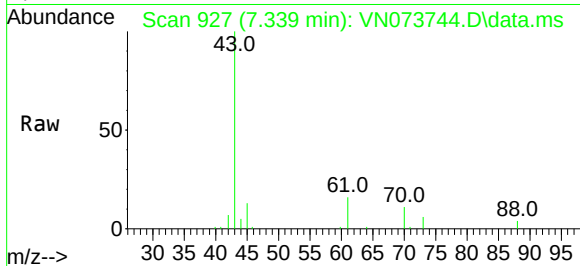




#37  
Ethyl Acetate  
Concen: 8.863 ug/l  
RT: 7.339 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN073744.D  
Acq: 04 Aug 2022 18:23

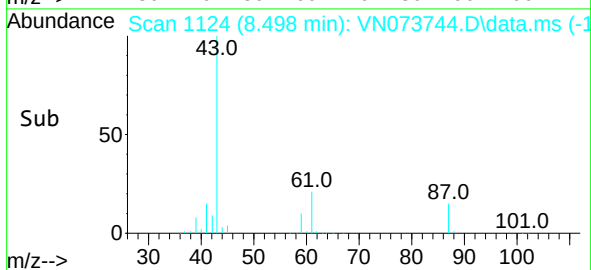
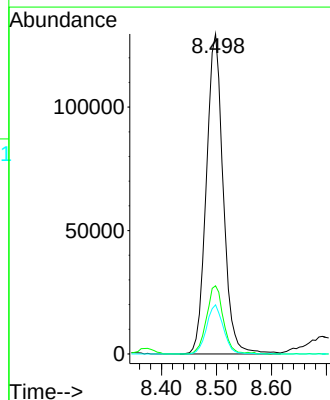
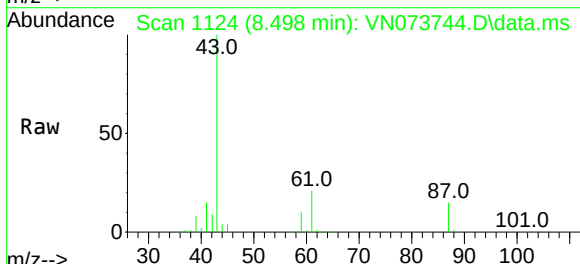
Instrument :  
MSVOA\_N  
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PB146733TB

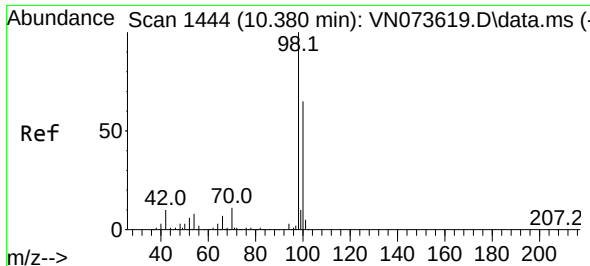
Tgt Ion: 43 Resp: 69571  
Ion Ratio Lower Upper  
43 100  
61 14.0 11.8 17.6  
70 10.9 9.3 13.9



#43  
Isopropyl Acetate  
Concen: 26.058 ug/l  
RT: 8.498 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN073744.D  
Acq: 04 Aug 2022 18:23

Tgt Ion: 43 Resp: 276288  
Ion Ratio Lower Upper  
43 100  
61 21.0 21.9 32.9#  
87 15.3 12.0 18.0

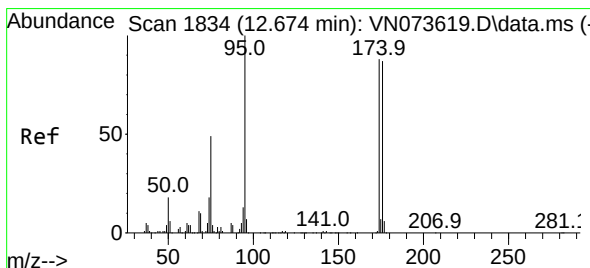
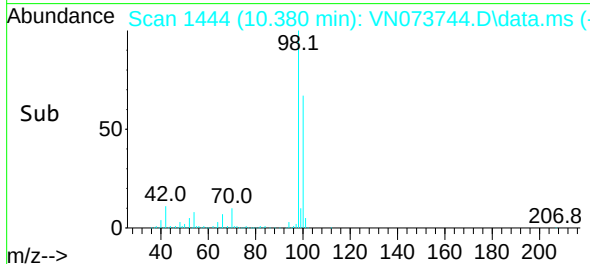
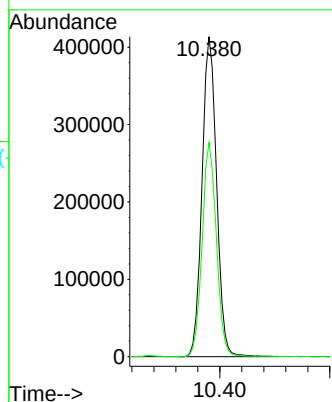
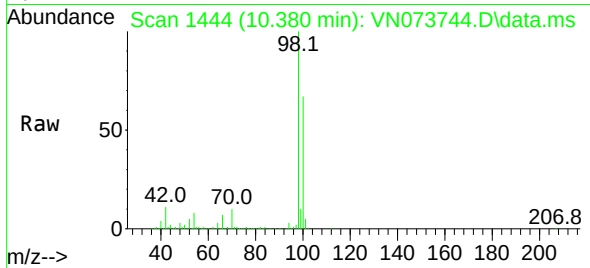




#50  
Toluene-d8  
Concen: 46.136 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN073744.D  
Acq: 04 Aug 2022 18:23

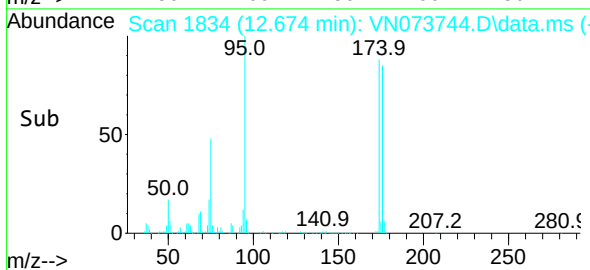
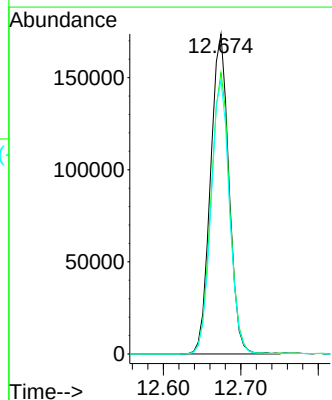
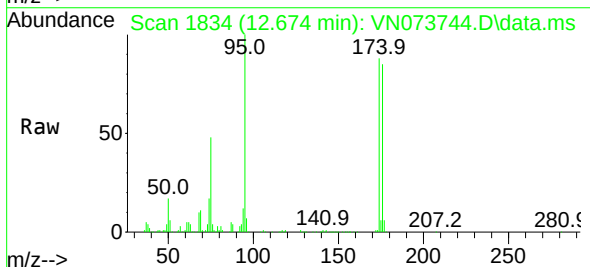
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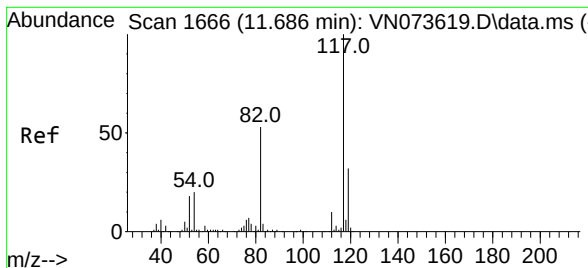
Tgt Ion: 98 Resp: 759275  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 51.964 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073744.D  
Acq: 04 Aug 2022 18:23

Tgt Ion: 95 Resp: 287889  
Ion Ratio Lower Upper  
95 100  
174 89.2 0.0 167.6  
176 85.6 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN073744.D

Acq: 04 Aug 2022 18:23

Instrument :

MSVOA\_N

ClientSampleId :

PB146733TB

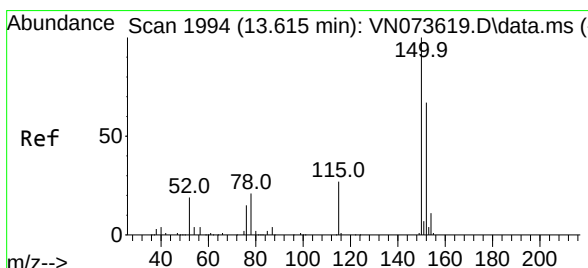
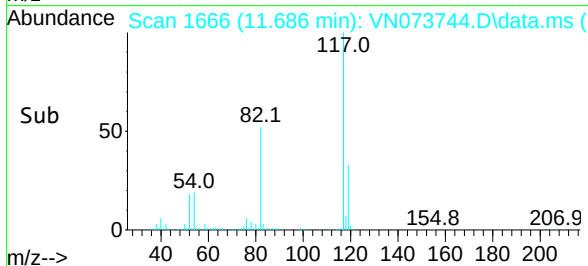
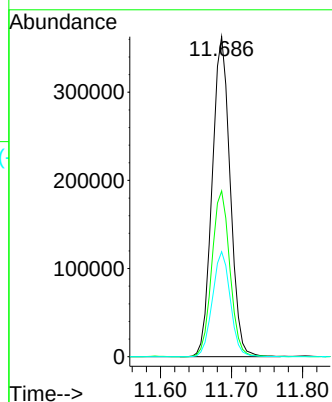
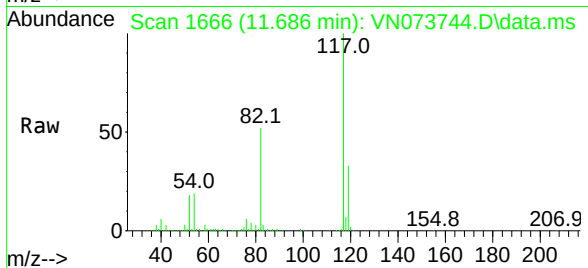
Tgt Ion:117 Resp: 637928

Ion Ratio Lower Upper

117 100

82 51.8 44.2 66.2

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VN073744.D

Acq: 04 Aug 2022 18:23

Tgt Ion:152 Resp: 293850

Ion Ratio Lower Upper

152 100

115 55.5 28.9 86.7

150 157.9 0.0 356.2

