

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120721\  
 Data File : VN069843.D  
 Acq On : 8 Dec 2021 4:32  
 Operator : JC/MD  
 Sample : M4957-09  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW179D-20211206

Quant Time: Dec 08 06:39:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

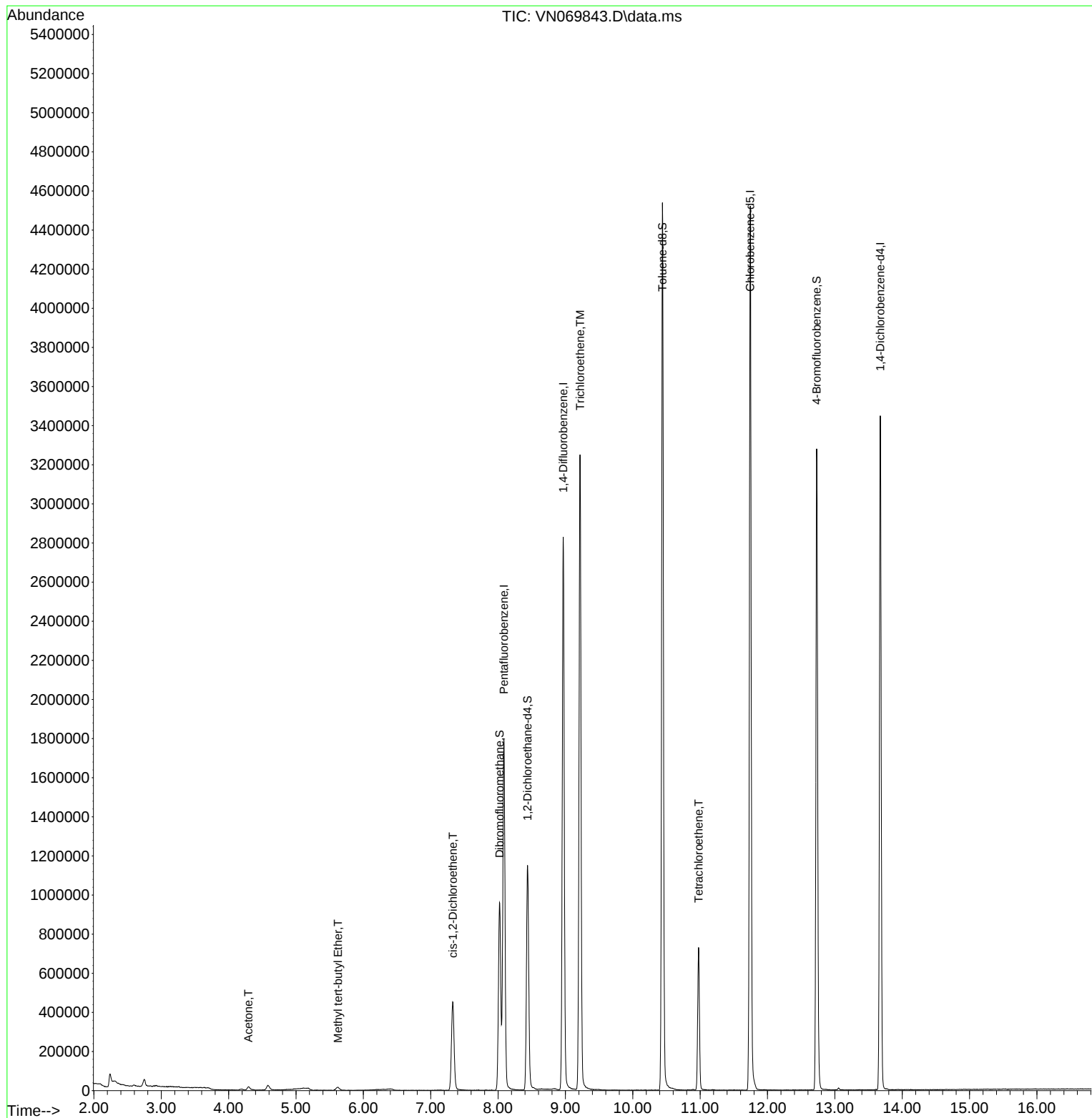
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.086          | 168  | 1310078    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.968          | 114  | 2366272    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.744         | 117  | 2533437    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.675         | 152  | 921174     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.437          | 65   | 996552     | 49.267   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 98.540%  |        |          |
| 35) Dibromofluoromethane    | 8.021          | 113  | 697115     | 47.033   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 94.060%  |        |          |
| 50) Toluene-d8              | 10.440         | 98   | 3073620    | 51.645   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 103.280% |        |          |
| 62) 4-Bromofluorobenzene    | 12.731         | 95   | 1166668    | 54.111   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 108.220% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 16) Acetone                 | 4.293          | 43   | 28613      | 2.352    | ug/l   | 97       |
| 19) Methyl tert-butyl Ether | 5.624          | 73   | 19786      | 0.408    | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene  | 7.329          | 96   | 266772     | 16.291   | ug/l   | 96       |
| 44) Trichloroethene         | 9.217          | 130  | 1143171    | 69.561   | ug/l   | 92       |
| 64) Tetrachloroethene       | 10.977         | 164  | 159360     | 9.277    | ug/l   | 94       |
| -----                       |                |      |            |          |        |          |

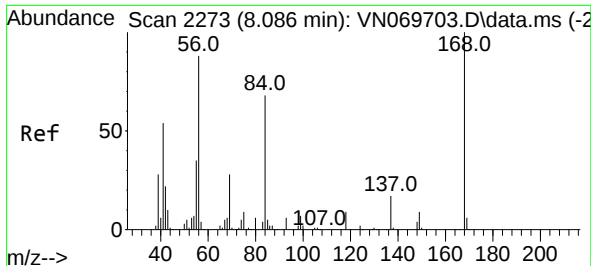
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 03 08:46:47 2021  
Response via : Initial Calibration

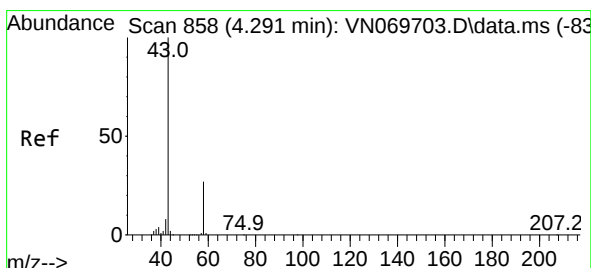
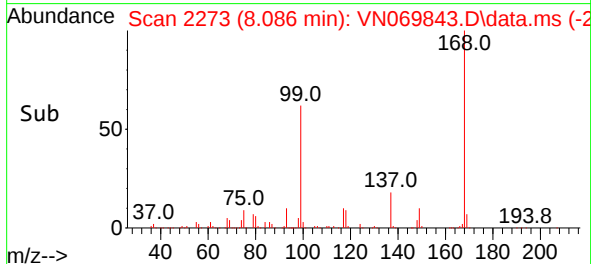
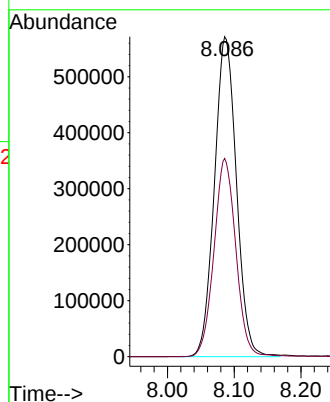
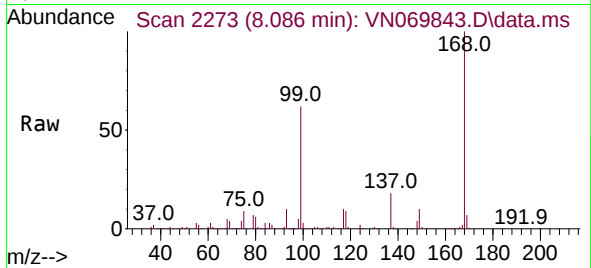




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN069843.D  
Acq: 8 Dec 2021 4:32

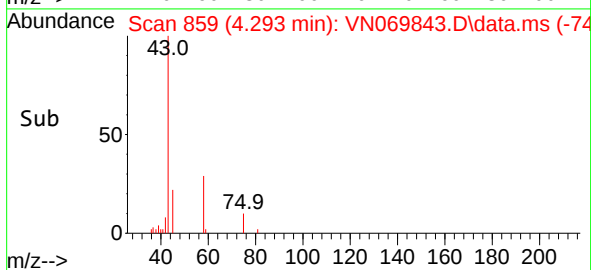
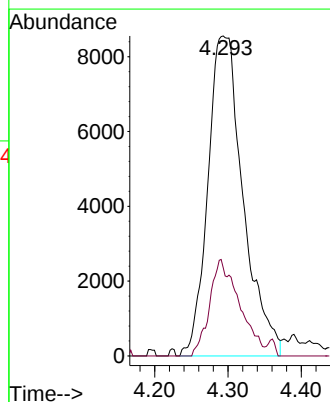
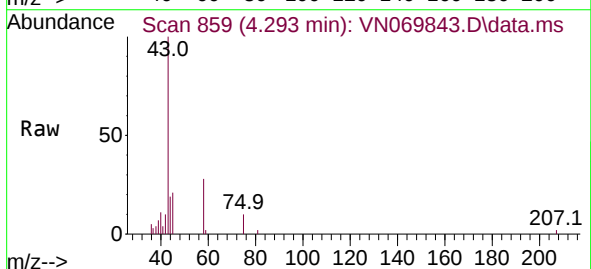
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW179D-20211206

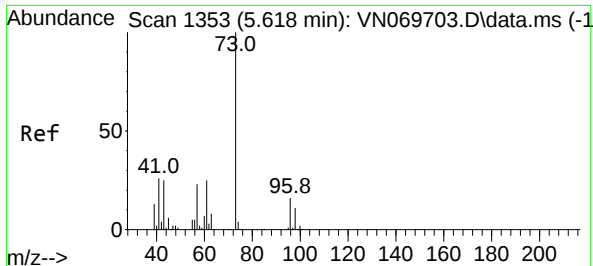
Tgt Ion:168 Resp: 1310078  
Ion Ratio Lower Upper  
168 100  
99 61.9 41.3 61.9



#16  
Acetone  
Concen: 2.352 ug/l  
RT: 4.293 min Scan# 859  
Delta R.T. 0.003 min  
Lab File: VN069843.D  
Acq: 8 Dec 2021 4:32

Tgt Ion: 43 Resp: 28613  
Ion Ratio Lower Upper  
43 100  
58 27.5 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 0.408 ug/l

RT: 5.624 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN069843.D

Acq: 8 Dec 2021 4:32

Instrument :

MSVOA\_N

ClientSampleId :

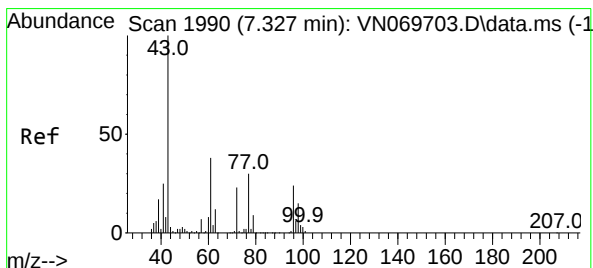
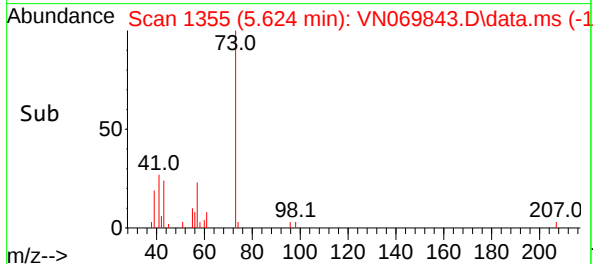
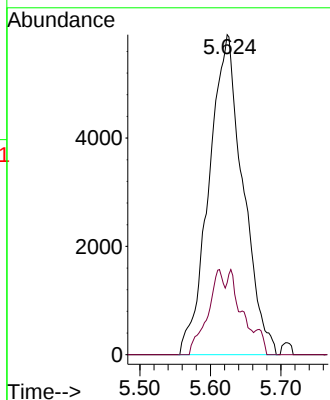
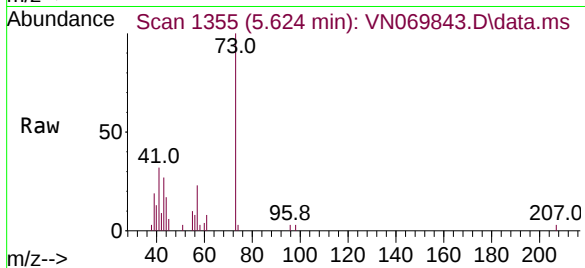
MW179D-20211206

Tgt Ion: 73 Resp: 19786

Ion Ratio Lower Upper

73 100

57 22.5 16.8 25.2



#27

cis-1,2-Dichloroethene

Concen: 16.291 ug/l

RT: 7.329 min Scan# 1991

Delta R.T. 0.003 min

Lab File: VN069843.D

Acq: 8 Dec 2021 4:32

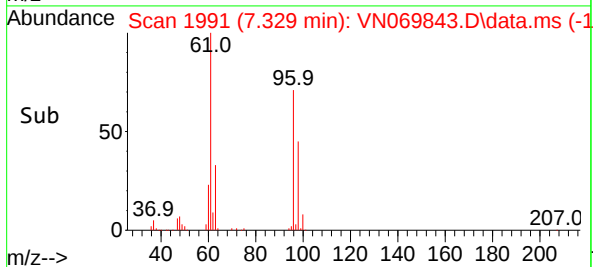
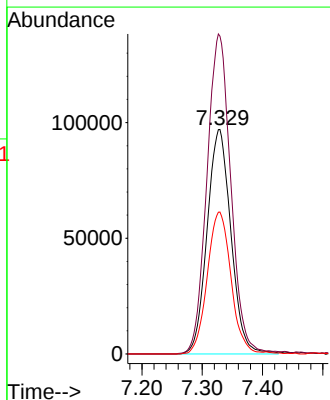
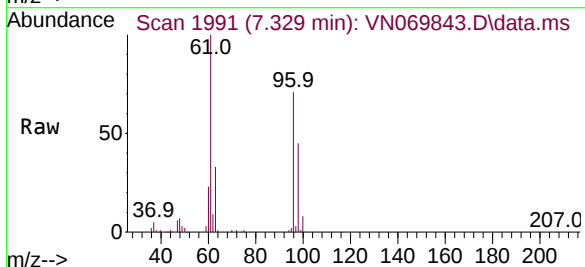
Tgt Ion: 96 Resp: 266772

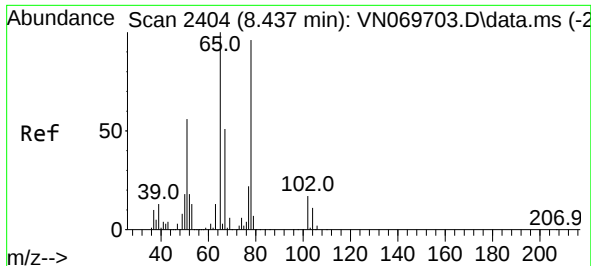
Ion Ratio Lower Upper

96 100

61 142.9 0.0 275.0

98 62.7 0.0 129.6





#33

1,2-Dichloroethane-d4

Concen: 49.267 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069843.D

Acq: 8 Dec 2021 4:32

Instrument :

MSVOA\_N

ClientSampleId :

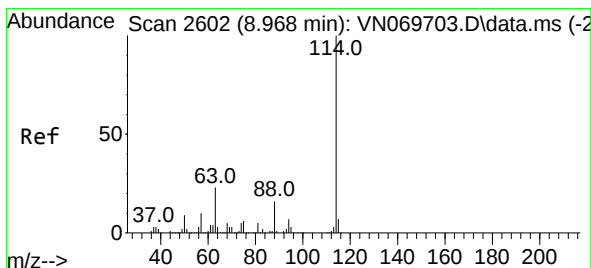
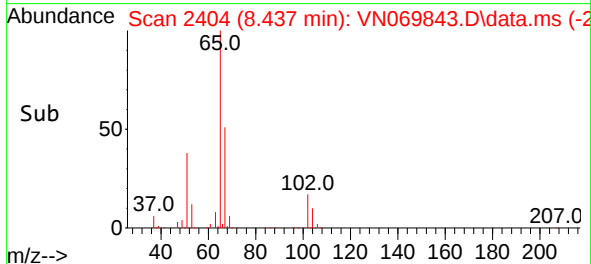
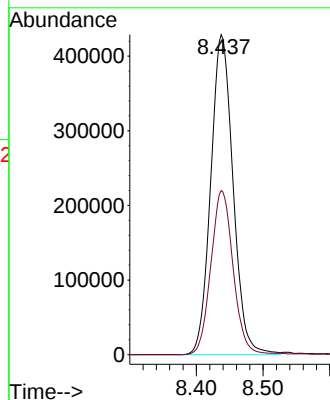
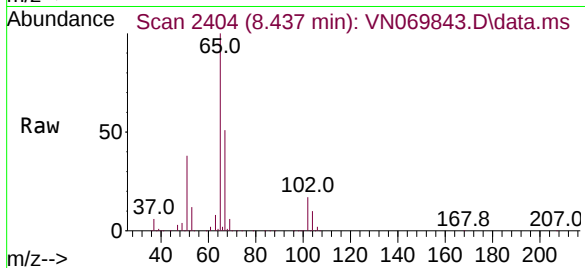
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Tgt Ion: 65 Resp: 996552

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069843.D

Acq: 8 Dec 2021 4:32

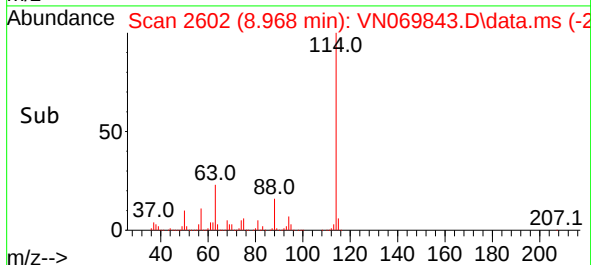
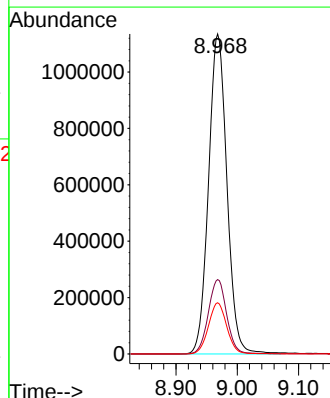
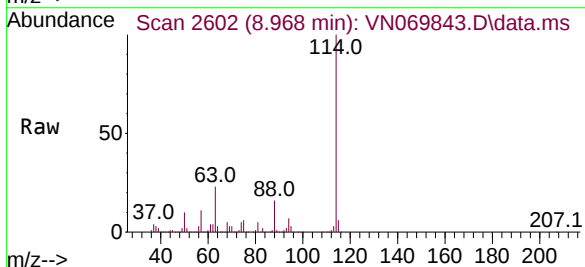
Tgt Ion: 114 Resp: 2366272

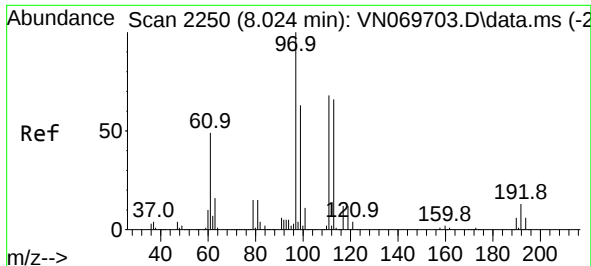
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.0 0.0 27.4

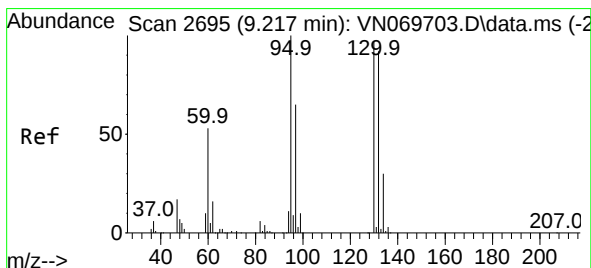
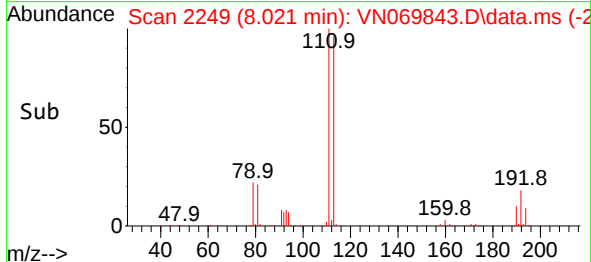
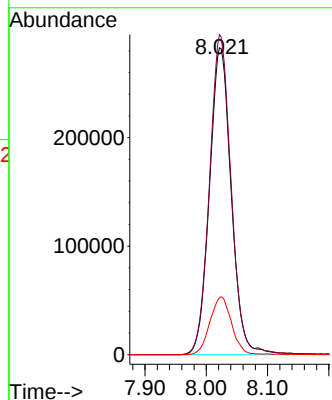
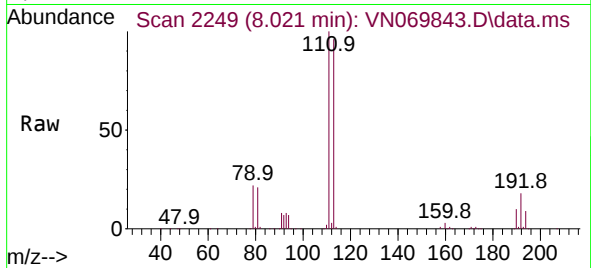




#35  
Dibromofluoromethane  
Concen: 47.033 ug/l  
RT: 8.021 min Scan# 211  
Delta R.T. -0.003 min  
Lab File: VN069843.D  
Acq: 8 Dec 2021 4:32

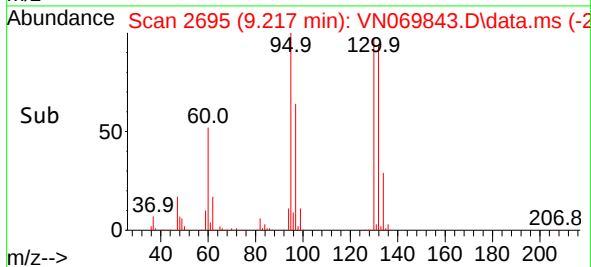
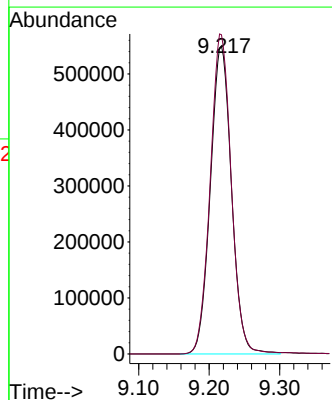
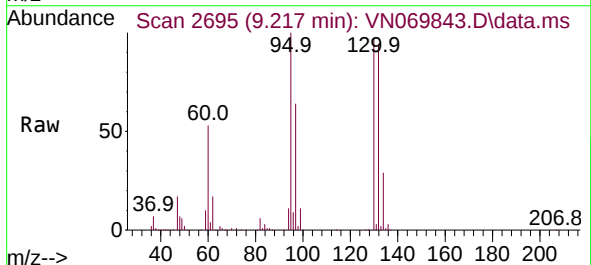
Instrument :  
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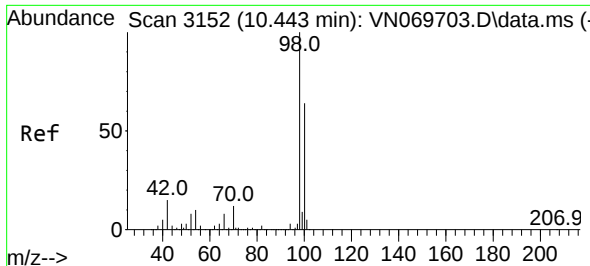
Tgt Ion:113 Resp: 697115  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.2 123.2  
192 18.8 16.9 25.3



#44  
Trichloroethene  
Concen: 69.561 ug/l  
RT: 9.217 min Scan# 2695  
Delta R.T. 0.000 min  
Lab File: VN069843.D  
Acq: 8 Dec 2021 4:32

Tgt Ion:130 Resp: 1143171  
Ion Ratio Lower Upper  
130 100  
95 103.6 0.0 191.2

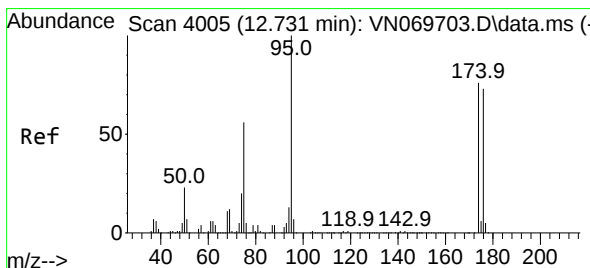
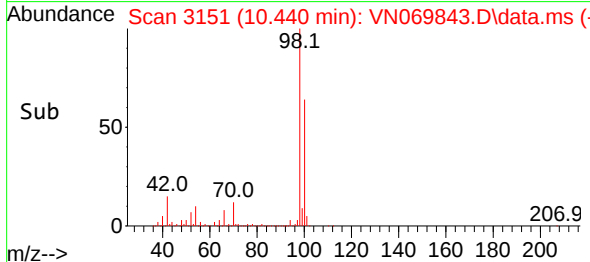
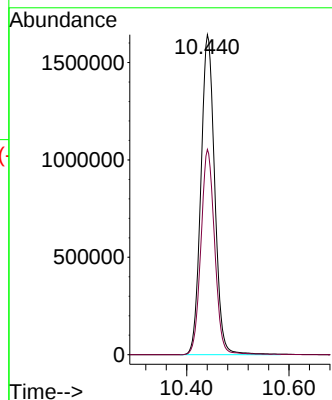
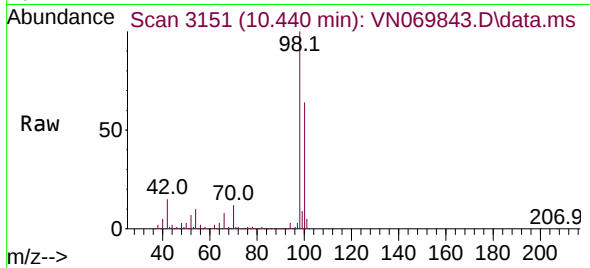




#50  
Toluene-d8  
Concen: 51.645 ug/l  
RT: 10.440 min Scan# 3152  
Delta R.T. -0.003 min  
Lab File: VN069843.D  
Acq: 8 Dec 2021 4:32

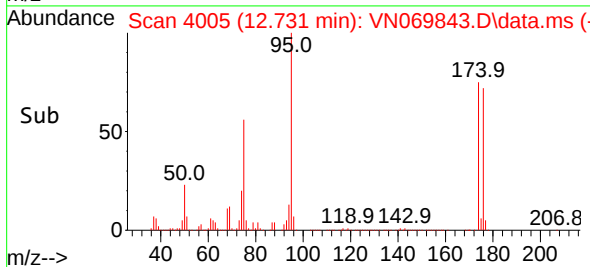
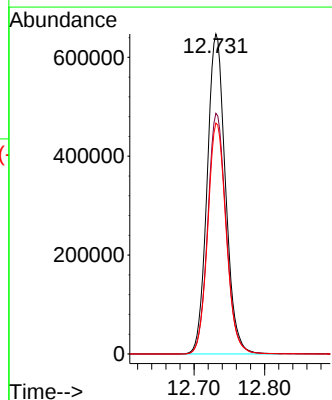
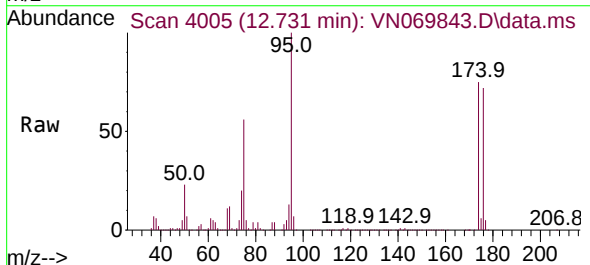
Instrument :  
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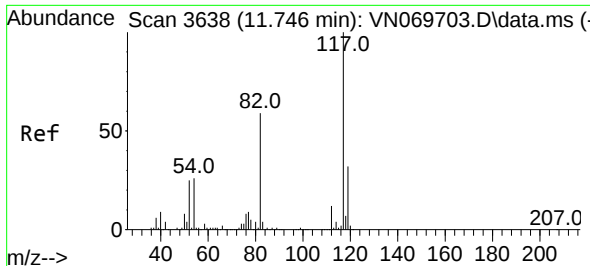
Tgt Ion: 98 Resp: 3073620  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.4 75.6



#62  
4-Bromofluorobenzene  
Concen: 54.111 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN069843.D  
Acq: 8 Dec 2021 4:32

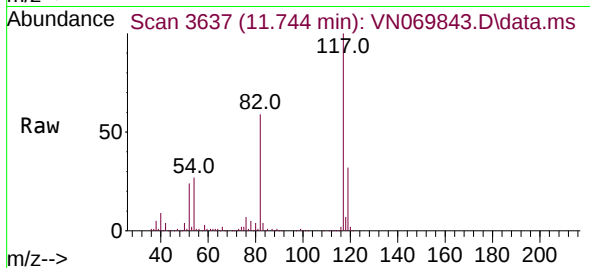
Tgt Ion: 95 Resp: 1166668  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 187.2  
176 72.7 0.0 181.4



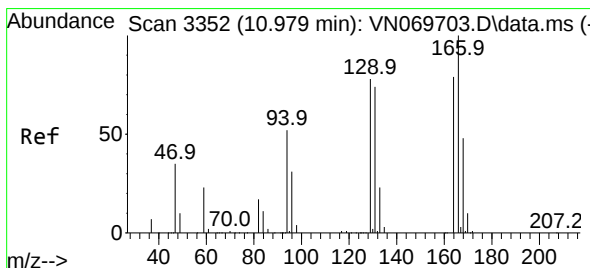
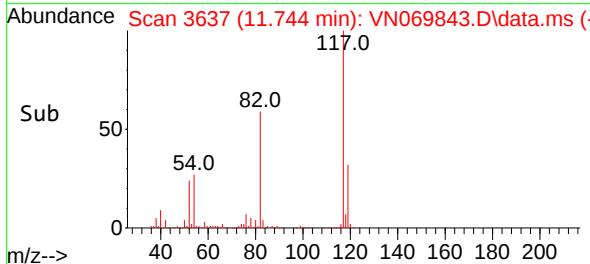
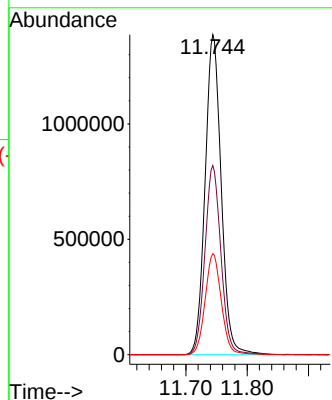


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 3638  
Delta R.T. -0.002 min  
Lab File: VN069843.D  
Acq: 8 Dec 2021 4:32

Instrument :  
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MW179D-20211206

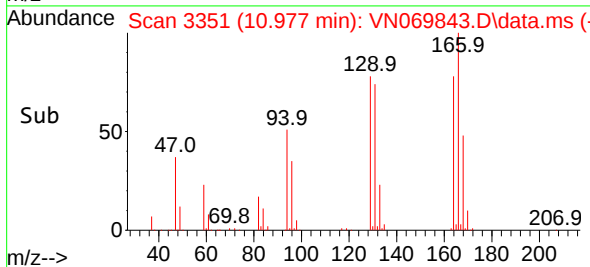
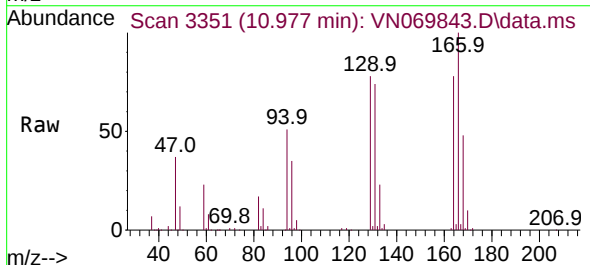
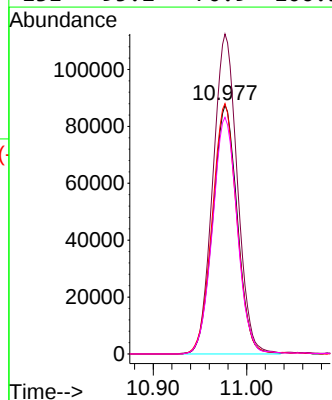


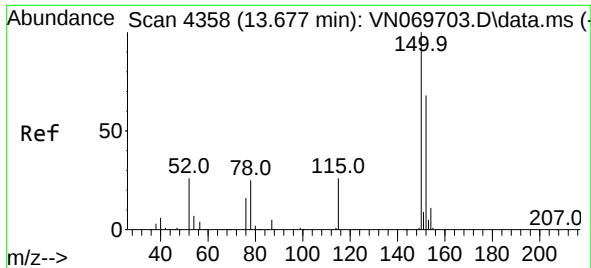
Tgt Ion:117 Resp: 2533437  
Ion Ratio Lower Upper  
117 100  
82 59.1 42.4 63.6  
119 31.5 25.4 38.2



#64  
Tetrachloroethene  
Concen: 9.277 ug/l  
RT: 10.977 min Scan# 3351  
Delta R.T. -0.002 min  
Lab File: VN069843.D  
Acq: 8 Dec 2021 4:32

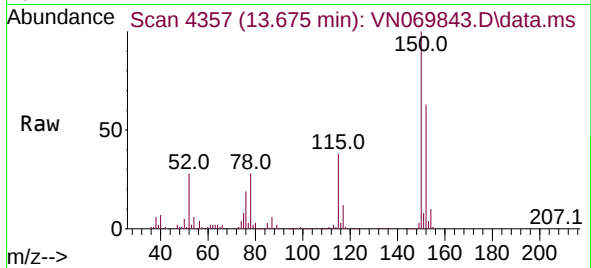
Tgt Ion:164 Resp: 159360  
Ion Ratio Lower Upper  
164 100  
166 128.5 101.9 152.9  
129 100.7 72.0 108.0  
131 95.2 70.9 106.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.675 min Scan# 41  
 Delta R.T. -0.003 min  
 Lab File: VN069843.D  
 Acq: 8 Dec 2021 4:32

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW179D-20211206



Tgt Ion:152 Resp: 921174  
 Ion Ratio Lower Upper  
 152 100  
 115 60.8 27.5 82.5  
 150 157.7 0.0 344.4

