

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061121\  
 Data File : VN067313.D  
 Acq On : 12 Jun 2021 3:37  
 Operator : JC/MD  
 Sample : M2699-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 002-35TH-AVE(JUNE)

Quant Time: Jun 12 09:29:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N061121W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jun 12 09:13:15 2021  
 Response via : Initial Calibration

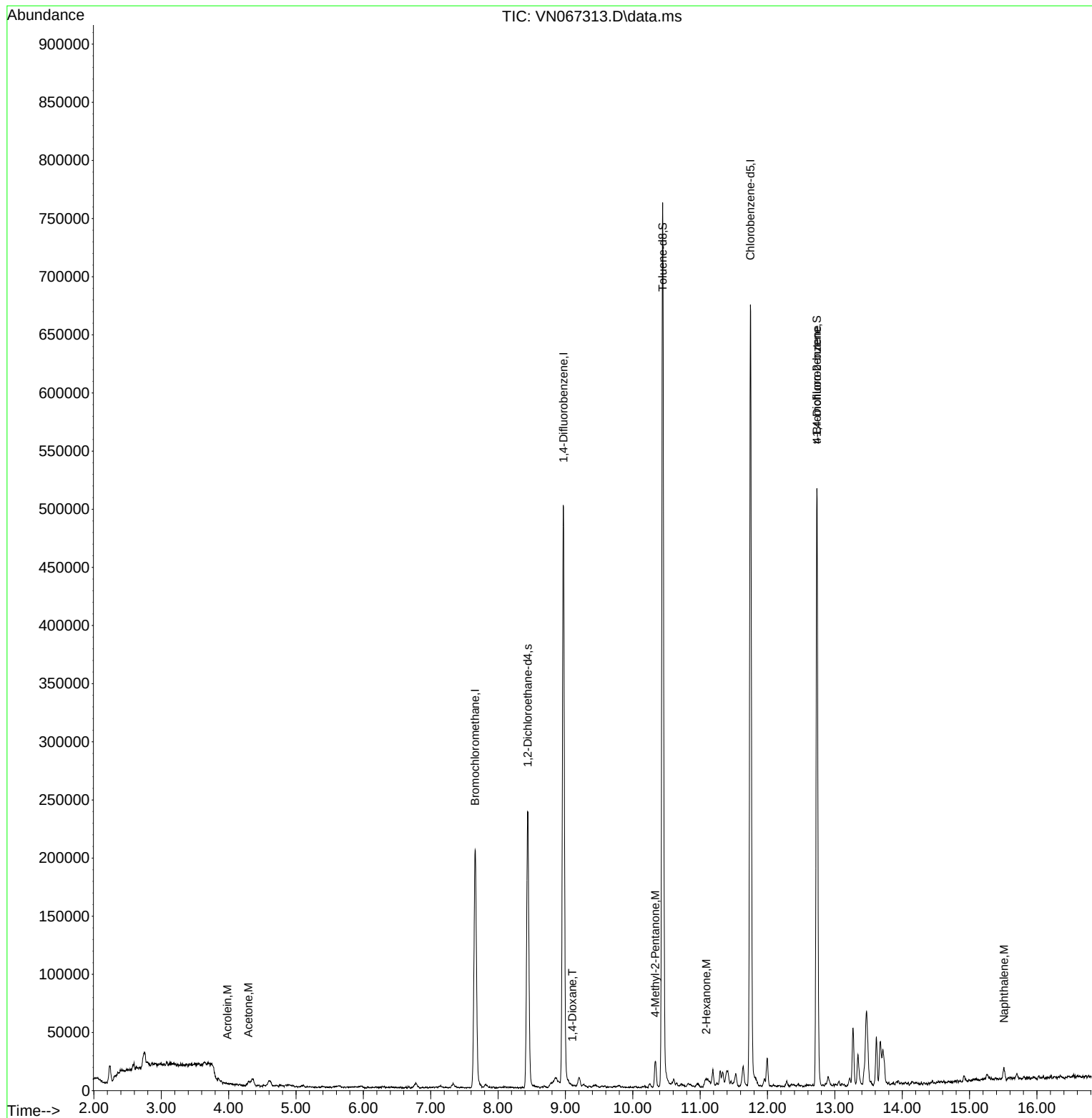
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.659  | 128   | 66604    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 8.971  | 114   | 397275   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.747 | 117   | 357033   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.440  | 65    | 212971   | 30.427   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 101.433% |
| 60) 4-Bromofluorobenzene    | 12.734 | 95    | 192612   | 27.944   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 93.133%  |
| 63) Toluene-d8              | 10.443 | 98    | 521424   | 30.623   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 102.067% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 13) Acrolein                | 3.982  | 56    | 197      | 0.276    | ug/l   | 100      |
| 15) Acetone                 | 4.293  | 58    | 143      | 0.228    | ug/l # | 1        |
| 45) 1,4-Dioxane             | 9.102  | 88    | 84       | 0.940    | ug/l # | 1        |
| 58) 4-Methyl-2-Pentanone    | 10.333 | 43    | 8641     | 1.101    | ug/l # | 83       |
| 59) 2-Hexanone              | 11.092 | 43    | 2191     | 0.386    | ug/l # | 89       |
| 77) t-1,4-Dichloro-2-butene | 12.734 | 75    | 112018   | 47.123   | ug/l # | 6        |
| 91) Naphthalene             | 15.509 | 128   | 7753     | 0.551    | ug/l # | 93       |
| -----                       |        |       |          |          |        |          |

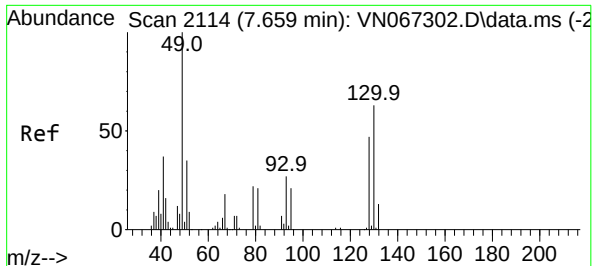
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 12 09:13:15 2021  
Response via : Initial Calibration

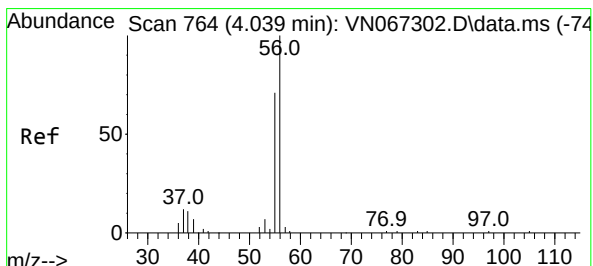
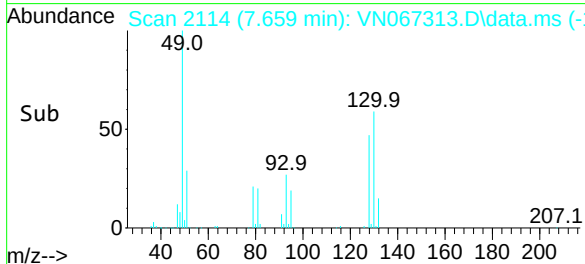
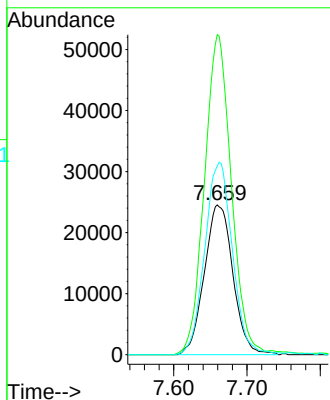
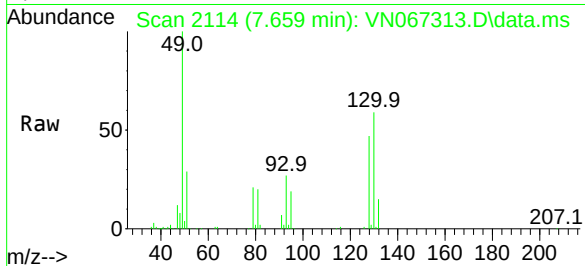




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.659 min Scan# 2114  
Delta R.T. 0.000 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

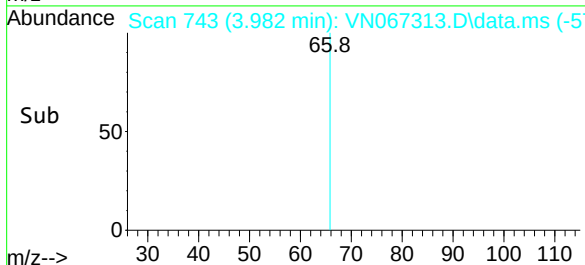
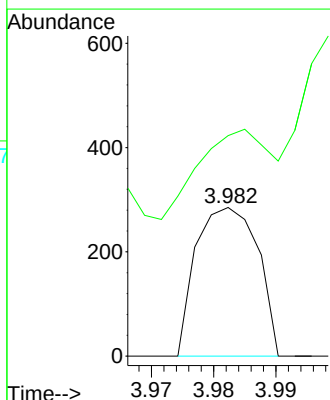
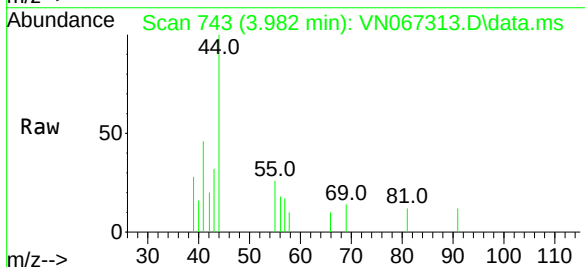
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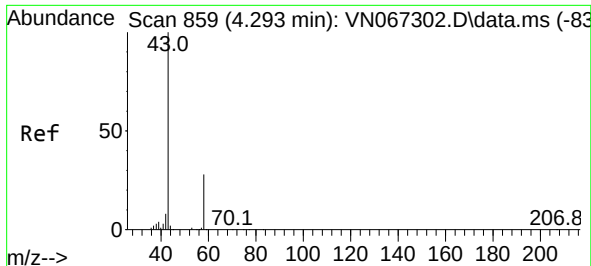
Tgt Ion:128 Resp: 66604  
Ion Ratio Lower Upper  
128 100  
49 199.9 0.0 517.5  
130 124.2 0.0 325.8



#13  
Acrolein  
Concen: 0.276 ug/l  
RT: 3.982 min Scan# 743  
Delta R.T. -0.056 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

Tgt Ion: 56 Resp: 197  
Ion Ratio Lower Upper  
56 100  
55 72.1 57.5 86.3

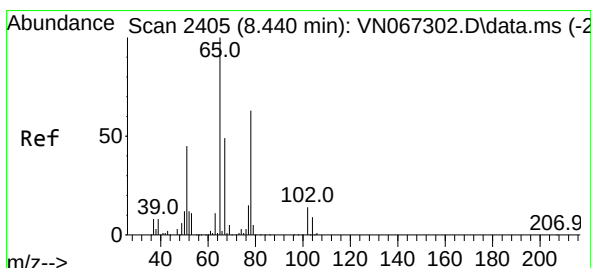
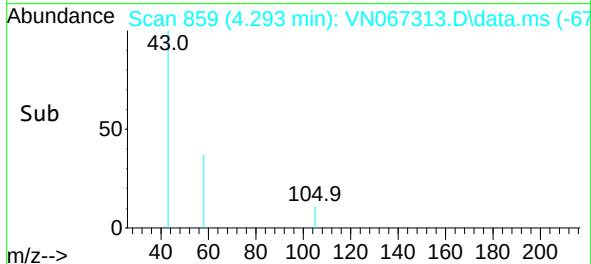
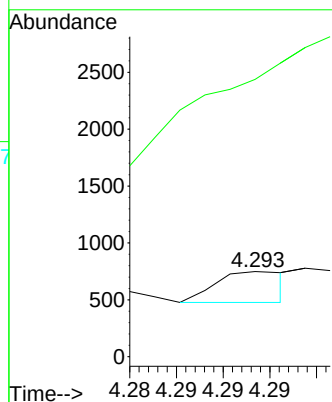
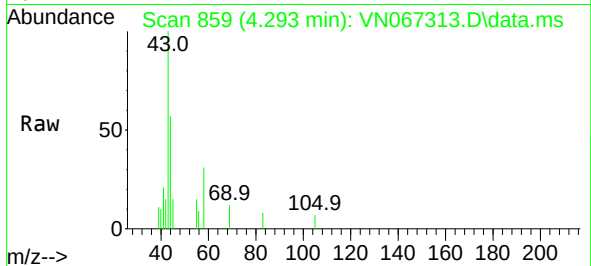




#15  
Acetone  
Concen: 0.228 ug/l  
RT: 4.293 min Scan# 859  
Delta R.T. 0.000 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

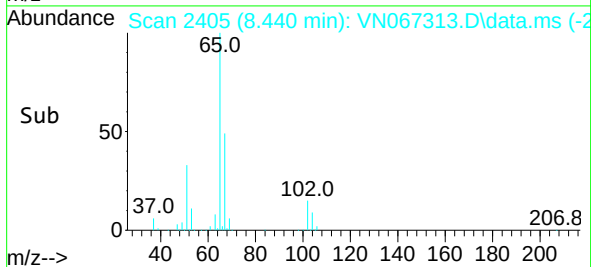
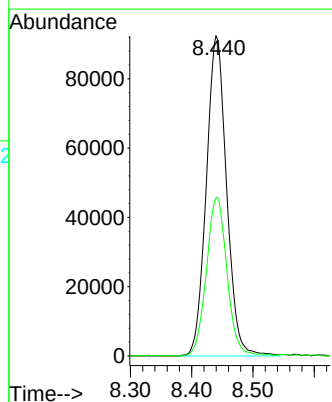
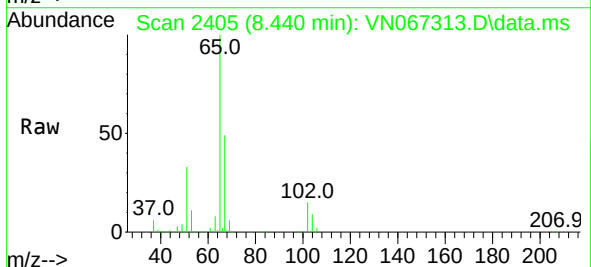
Instrument :  
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ClientSampleId :  
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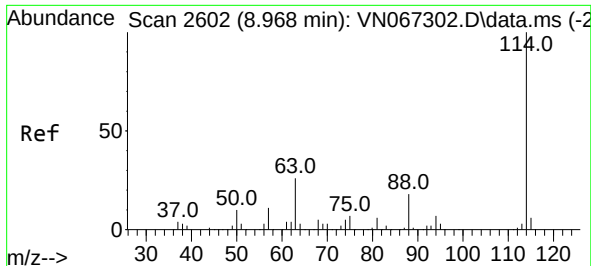
Tgt Ion: 58 Resp: 143  
Ion Ratio Lower Upper  
58 100  
43 99.6 289.6 434.4#



#27  
1,2-Dichloroethane-d4  
Concen: 30.427 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.000 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

Tgt Ion: 65 Resp: 212971  
Ion Ratio Lower Upper  
65 100  
67 50.0 39.8 59.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN067313.D

Acq: 12 Jun 2021 3:37

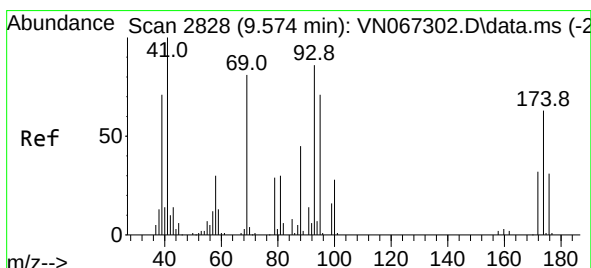
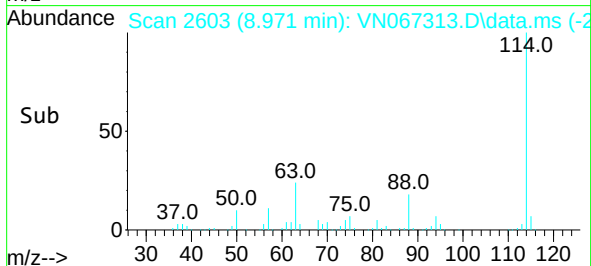
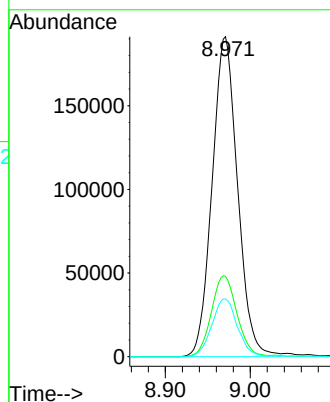
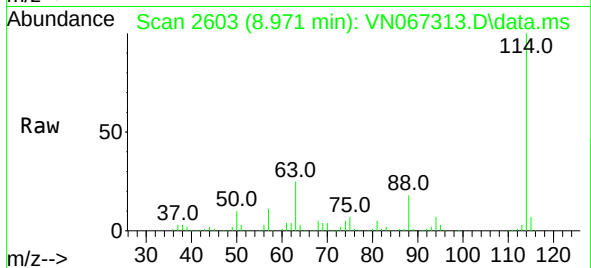
Tgt Ion: 114 Resp: 397275

Ion Ratio Lower Upper

114 100

63 25.5 20.3 30.5

88 18.2 14.6 22.0



#45

1,4-Dioxane

Concen: 0.940 ug/l

RT: 9.102 min Scan# 2652

Delta R.T. -0.472 min

Lab File: VN067313.D

Acq: 12 Jun 2021 3:37

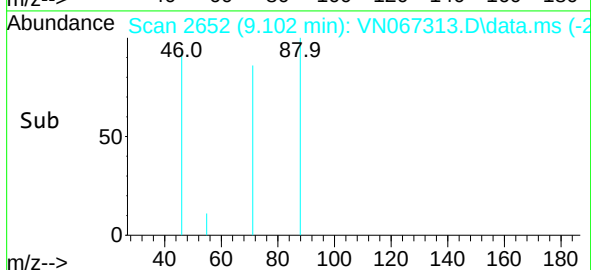
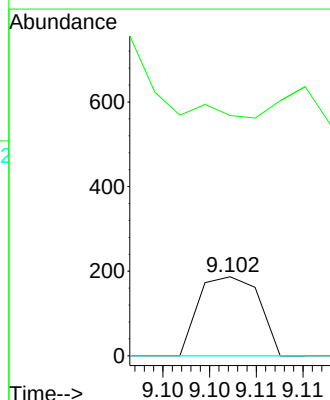
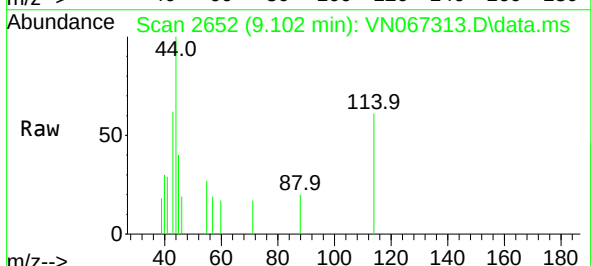
Tgt Ion: 88 Resp: 84

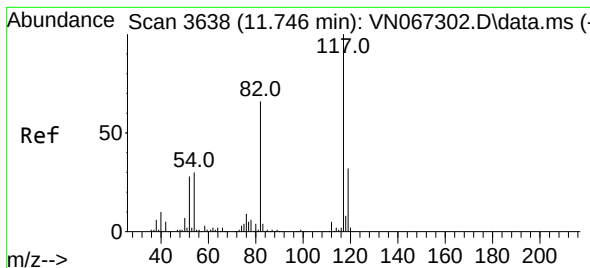
Ion Ratio Lower Upper

88 100

43 109.5 18.0 27.0#

58 0.0 57.7 86.5#

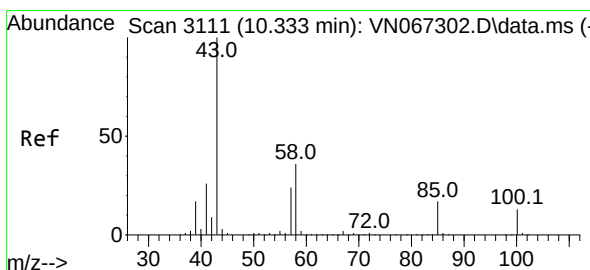
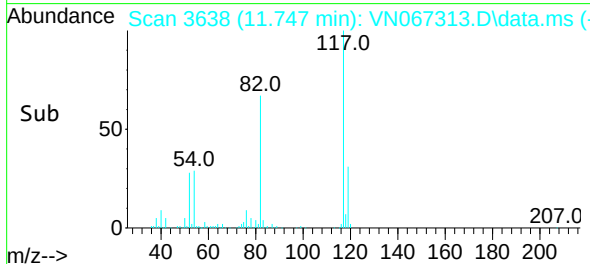
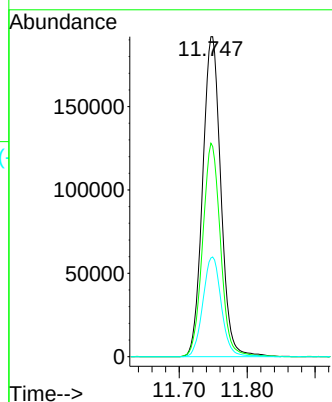
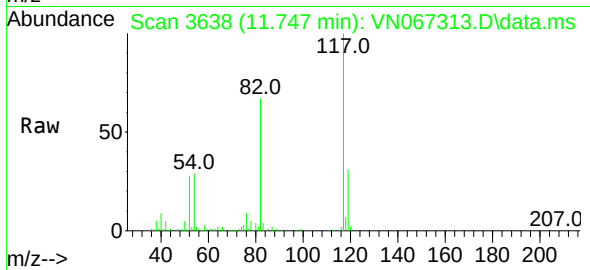




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

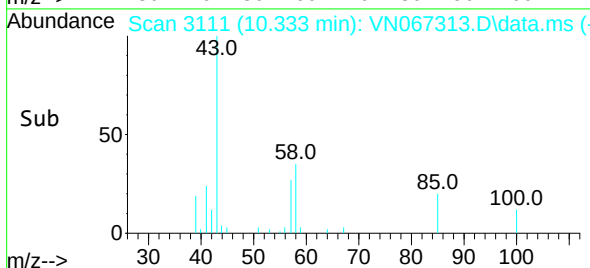
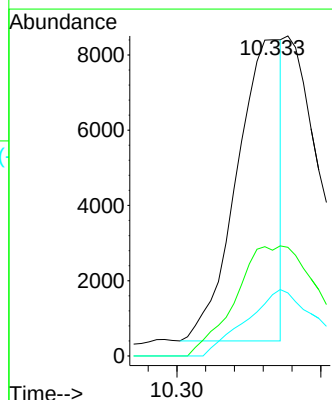
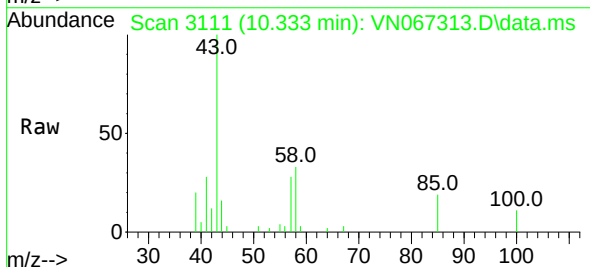
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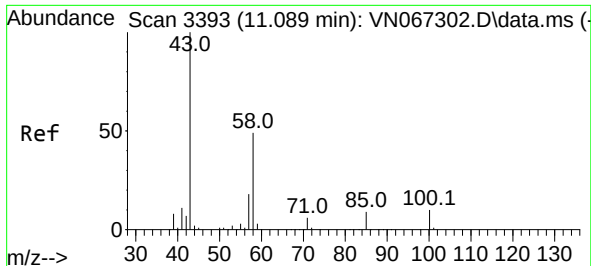
Tgt Ion:117 Resp: 357033  
Ion Ratio Lower Upper  
117 100  
82 65.6 52.5 78.7  
119 31.4 25.8 38.8



#58  
4-Methyl-2-Pentanone  
Concen: 1.101 ug/l  
RT: 10.333 min Scan# 3111  
Delta R.T. 0.000 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

Tgt Ion: 43 Resp: 8641  
Ion Ratio Lower Upper  
43 100  
58 32.5 29.0 43.4  
85 34.2 13.2 19.8#

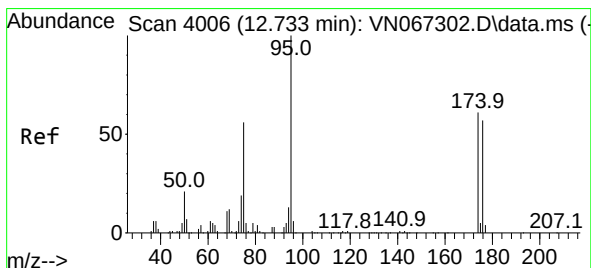
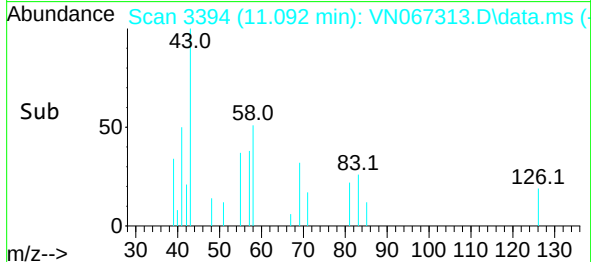
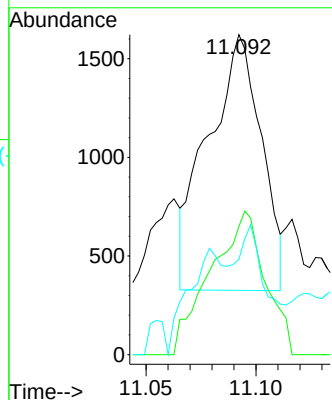
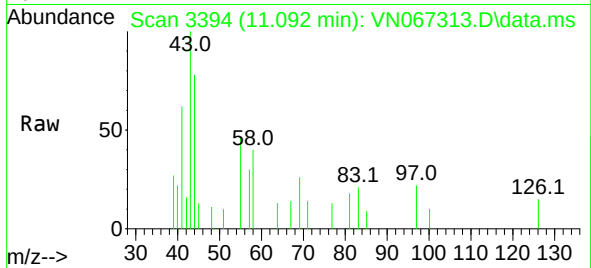




#59  
2-Hexanone  
Concen: 0.386 ug/l  
RT: 11.092 min Scan# 3394  
Delta R.T. 0.003 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

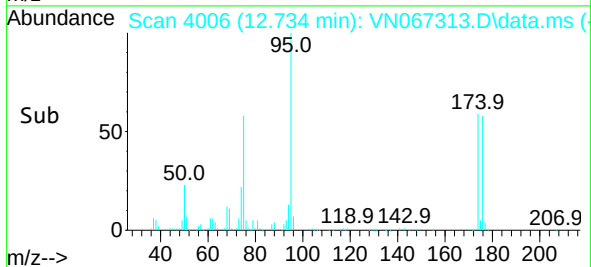
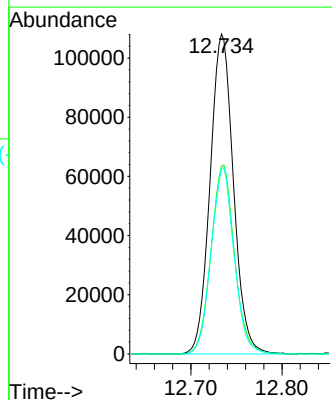
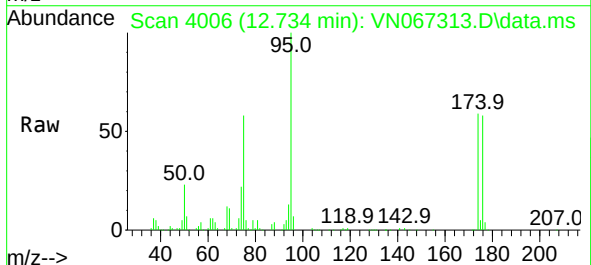
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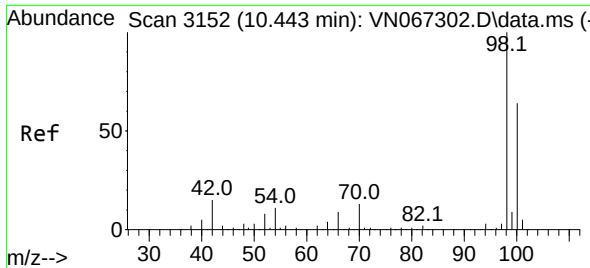
Tgt Ion: 43 Resp: 2191  
Ion Ratio Lower Upper  
43 100  
58 57.0 39.4 59.0  
57 13.1 14.4 21.6#



#60  
4-Bromofluorobenzene  
Concen: 27.944 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

Tgt Ion: 95 Resp: 192612  
Ion Ratio Lower Upper  
95 100  
174 59.0 47.7 71.5  
176 57.2 45.7 68.5

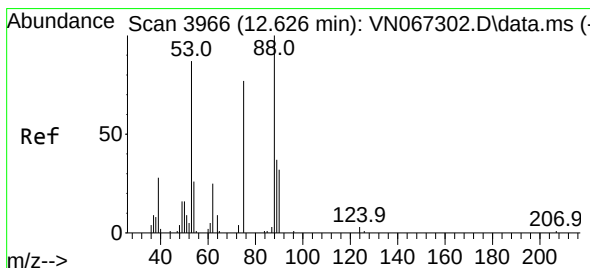
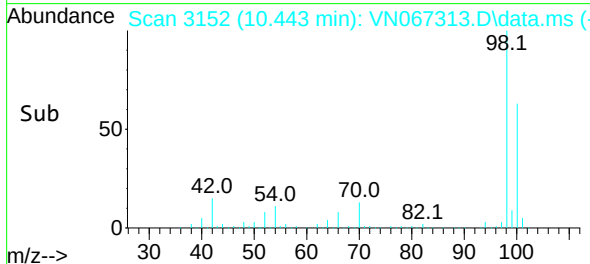
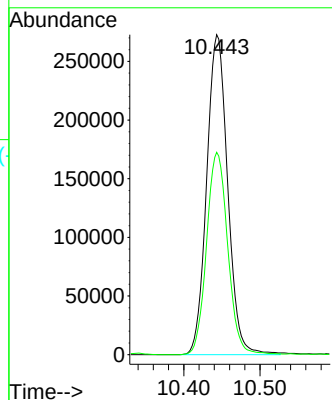
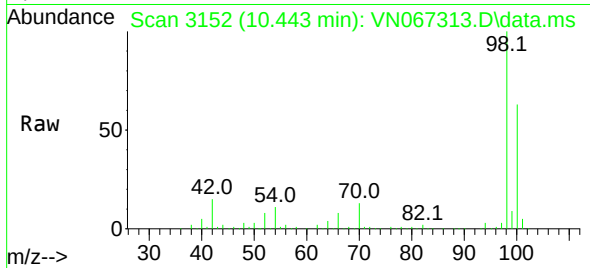




#63  
Toluene-d8  
Concen: 30.623 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

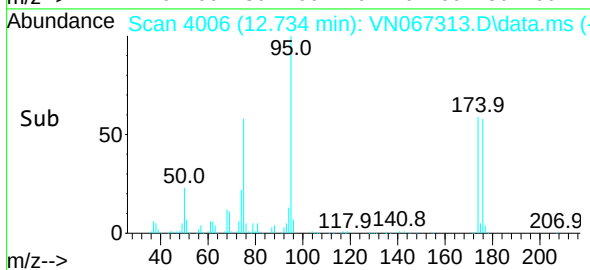
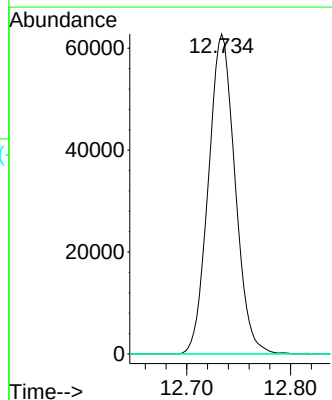
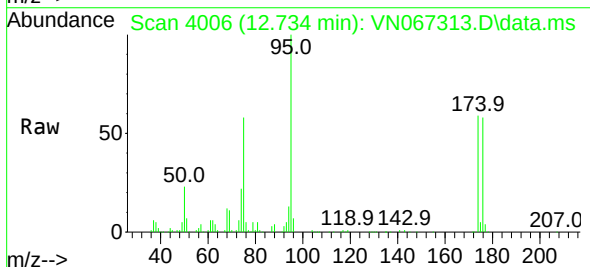
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Tgt Ion: 98 Resp: 521424  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.2 76.8

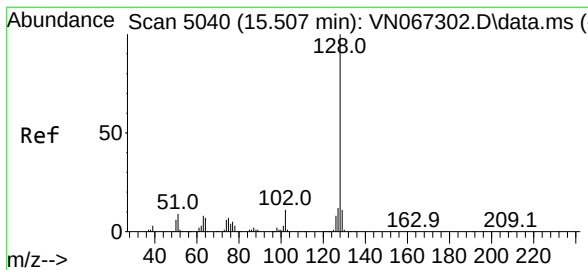


#77  
t-1,4-Dichloro-2-butene  
Concen: 47.123 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.107 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

Tgt Ion: 75 Resp: 112018  
Ion Ratio Lower Upper  
75 100  
53 0.0 55.2 165.6#  
89 0.0 24.5 73.5#







#91  
Naphthalene  
Concen: 0.551 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.003 min  
Lab File: VN067313.D  
Acq: 12 Jun 2021 3:37

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Tgt Ion:128 Resp: 7753  
Ion Ratio Lower Upper  
128 100  
127 11.3 10.1 15.1  
129 6.6 8.9 13.3#

