

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN123020\  
 Data File : VN065320.D  
 Acq On : 30 Dec 2020 15:07  
 Operator : JC/MD  
 Sample : L5224-01ME  
 Misc : 1.51g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 31 03:02:52 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 22 15:42:18 2020  
 Response via : Initial Calibration

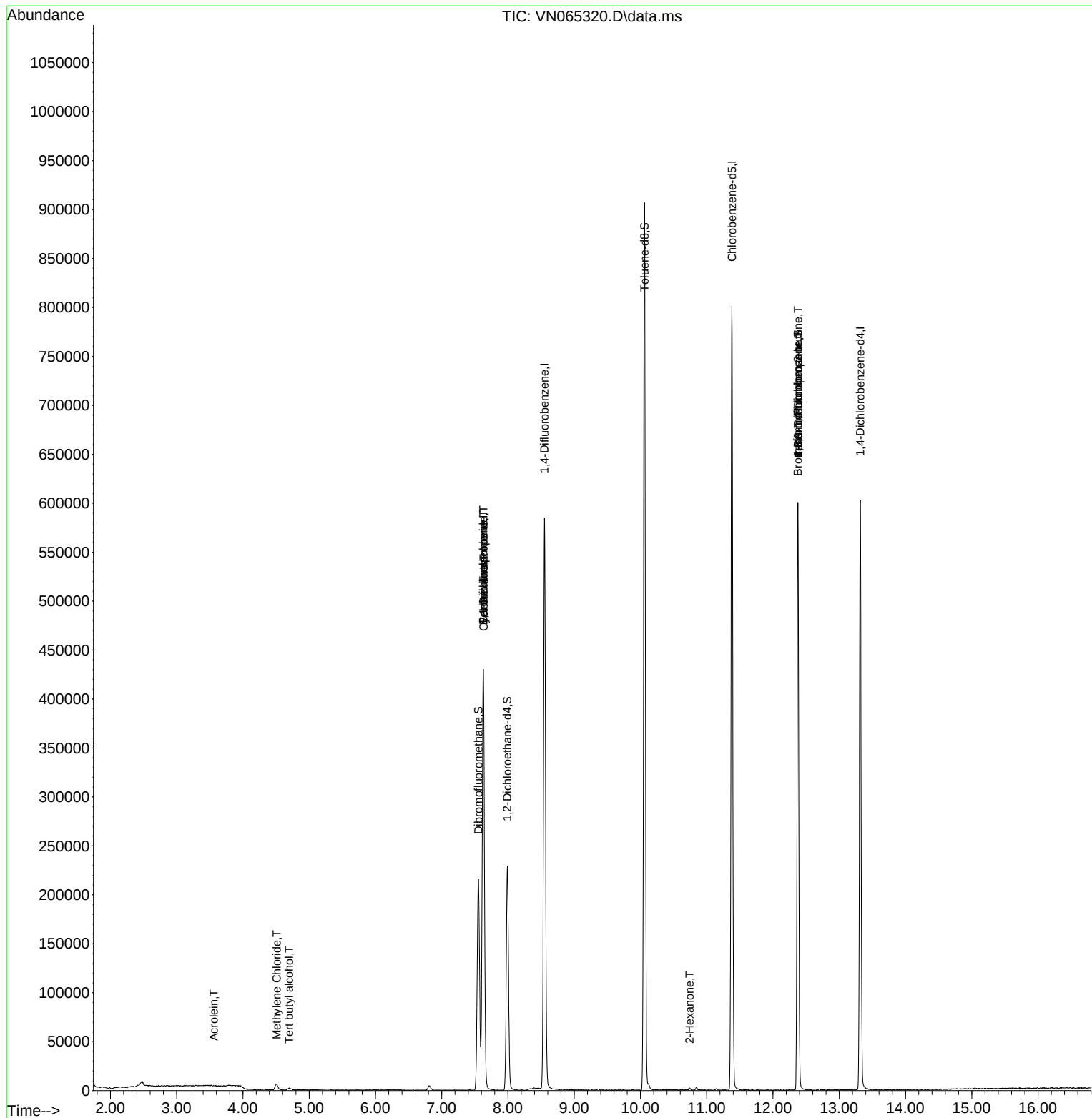
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.627          | 168  | 390563     | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 558856     | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.379         | 117  | 490070     | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.318         | 152  | 180424     | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.991          | 65   | 200055     | 45.37     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 90.74%    |        |          |
| 35) Dibromofluoromethane      | 7.553          | 113  | 167048     | 49.55     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 99.10%    |        |          |
| 50) Toluene-d8                | 10.061         | 98   | 662151     | 52.40     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 104.80%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.376         | 95   | 208628     | 42.59     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 85.18%    |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.698          | 59   | 1727       | 2.39      | ug/l # | 73       |
| 13) Acrolein                  | 3.560          | 56   | 32         | 2.48      | ug/l # | 1        |
| 16) Acetone                   | 3.798          | 43   | 1750       | Below Cal |        | 98       |
| 20) Methylene Chloride        | 4.508          | 84   | 5054       | 1.17      | ug/l   | 98       |
| 31) Cyclohexane               | 7.630          | 56   | 6674       | 1.03      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.627          | 75   | 24813      | 4.88      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.627          | 117  | 32877      | 6.16      | ug/l # | 16       |
| 59) 2-Hexanone                | 10.740         | 43   | 734        | 0.20      | ug/l # | 23       |
| 71) Bromoform                 | 12.373         | 173  | 1458       | 0.44      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.376         | 75   | 101291     | 27.52     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.376         | 75   | 101291     | 69.39     | ug/l # | 15       |
| -----                         |                |      |            |           |        |          |

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

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Sample : L5224-01ME  
Misc : 1.51g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Dec 31 03:02:52 2020  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 22 15:42:18 2020  
Response via : Initial Calibration

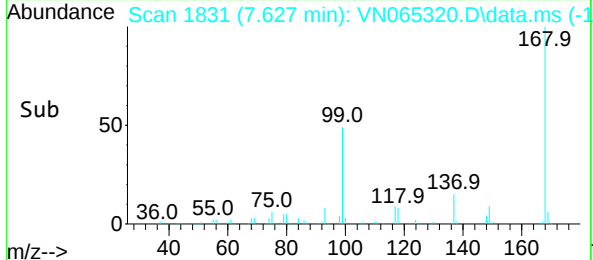
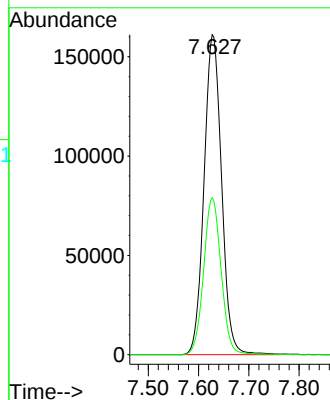
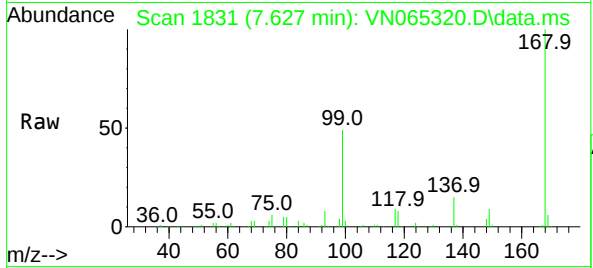




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.000 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

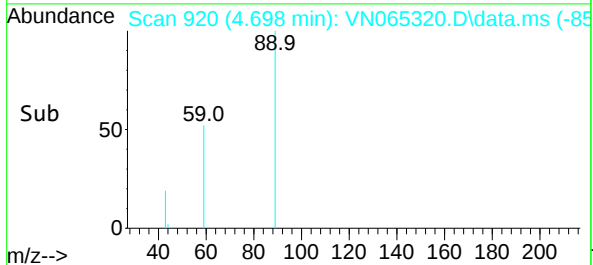
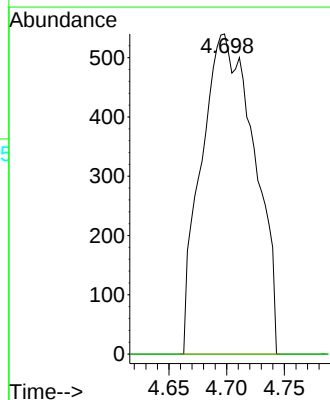
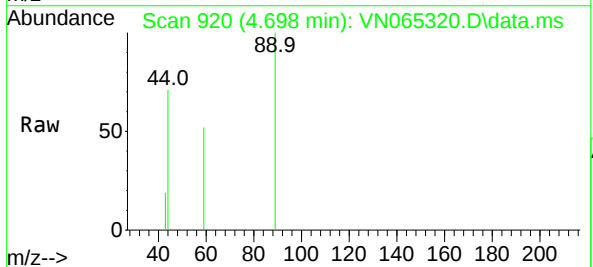
Instrument :  
MSVOA\_N  
ClientSampleId :

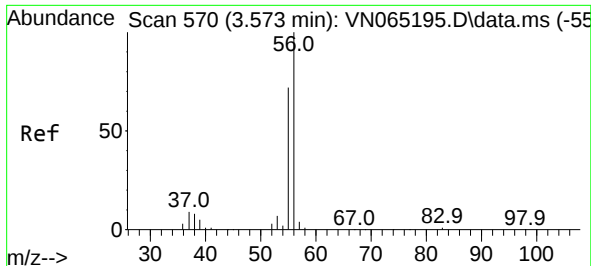
Tgt Ion:168 Resp: 390563  
Ion Ratio Lower Upper  
168 100  
99 49.1 43.0 64.4



#11  
Tert butyl alcohol  
Concen: 2.39 ug/l  
RT: 4.698 min Scan# 920  
Delta R.T. -0.074 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

Tgt Ion: 59 Resp: 1727  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.9 11.9#

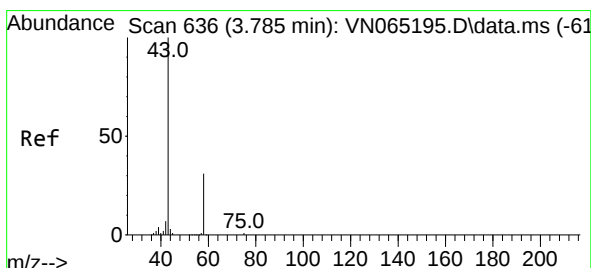
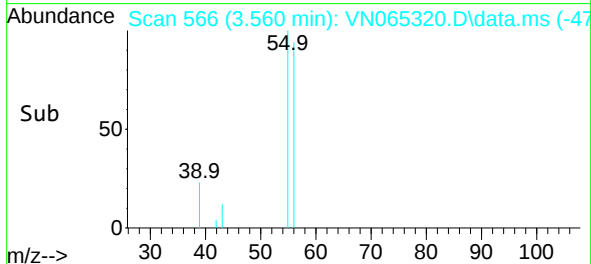
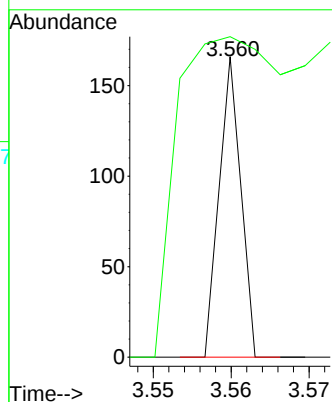
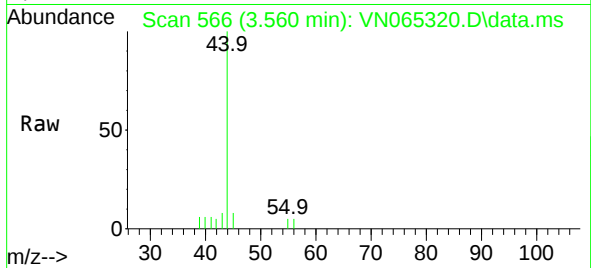




#13  
Acrolein  
Concen: 2.48 ug/l  
RT: 3.560 min Scan# 566  
Delta R.T. -0.013 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

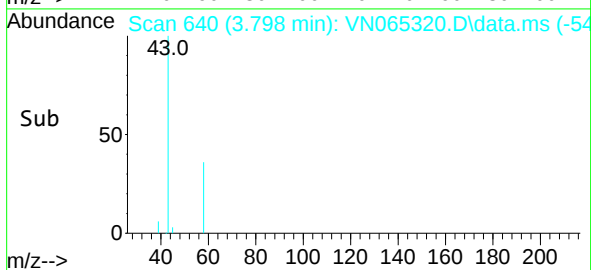
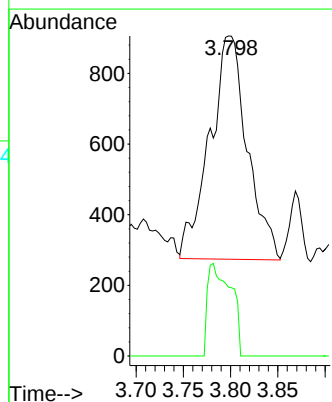
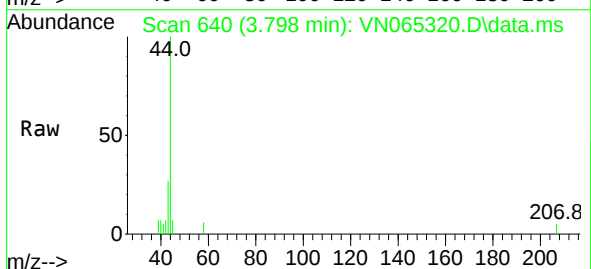
Instrument :  
MSVOA\_N  
ClientSampled :

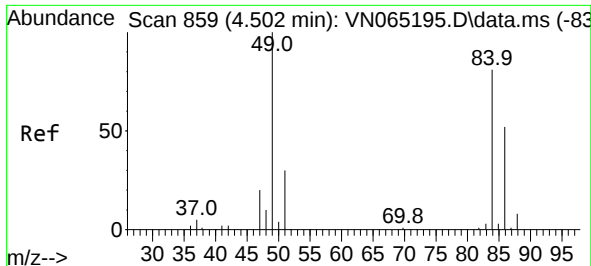
Tgt Ion: 56 Resp: 32  
Ion Ratio Lower Upper  
56 100  
55 500.0 56.5 84.7#



#16  
Acetone  
Concen: Below Cal  
RT: 3.798 min Scan# 640  
Delta R.T. 0.013 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

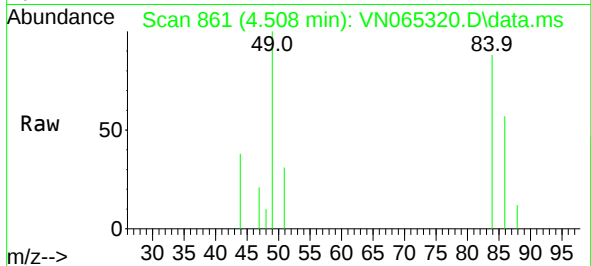
Tgt Ion: 43 Resp: 1750  
Ion Ratio Lower Upper  
43 100  
58 31.0 25.7 38.5





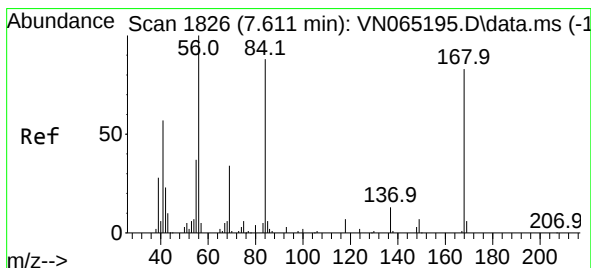
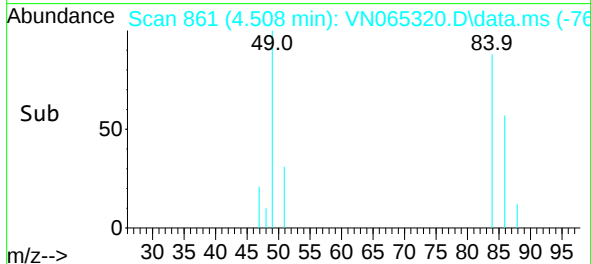
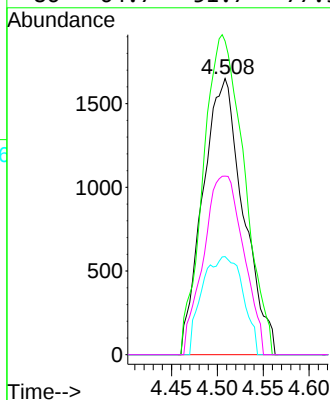
#20  
Methylene Chloride  
Concen: 1.17 ug/l  
RT: 4.508 min Scan# 861  
Delta R.T. 0.006 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

Instrument :  
MSVOA\_N  
ClientSampled :

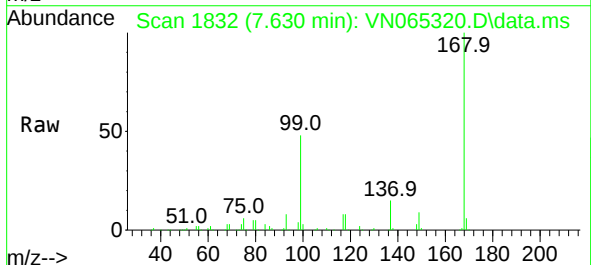


Tgt Ion: 84 Resp: 5054

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 113.6 | 93.4  | 140.0 |
| 51  | 35.5  | 28.2  | 42.4  |
| 86  | 64.7  | 51.7  | 77.5  |

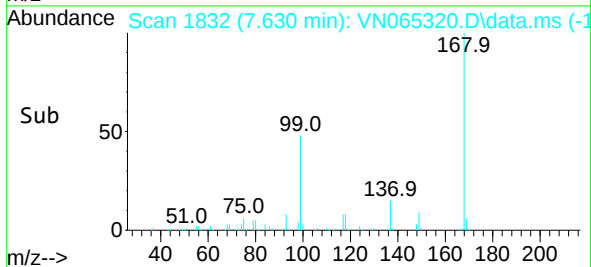
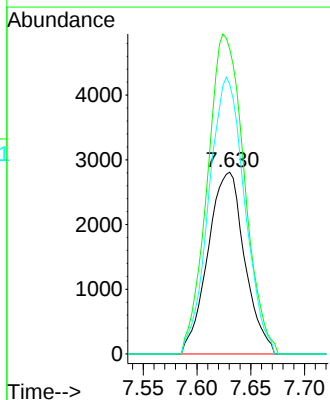


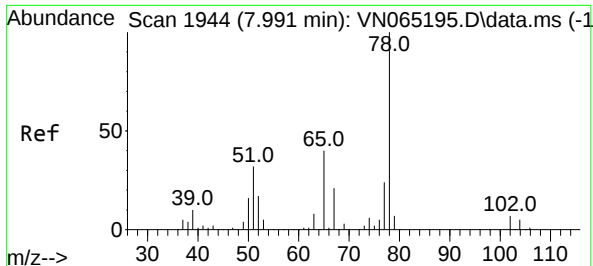
#31  
Cyclohexane  
Concen: 1.03 ug/l  
RT: 7.630 min Scan# 1832  
Delta R.T. 0.019 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07



Tgt Ion: 56 Resp: 6674

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 167.7 | 27.5  | 41.3#  |
| 84  | 148.4 | 73.9  | 110.9# |

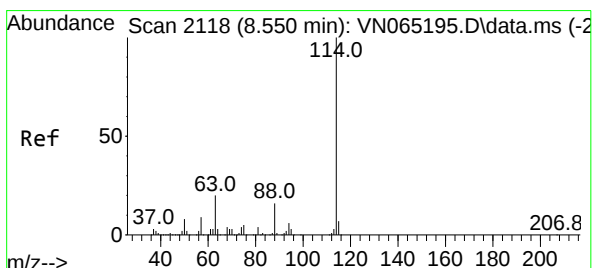
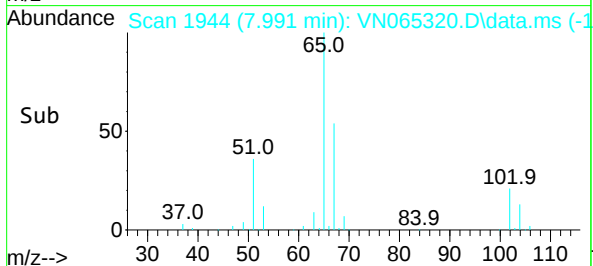
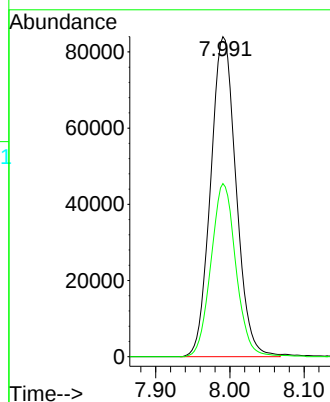
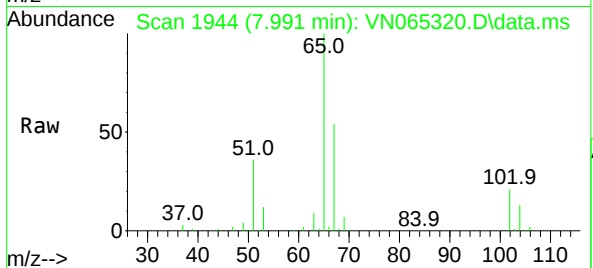




#33  
1,2-Dichloroethane-d4  
Concen: 45.37 ug/l  
RT: 7.991 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

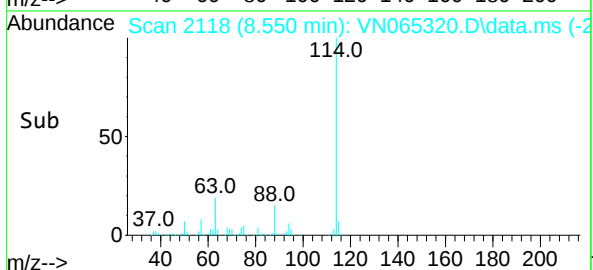
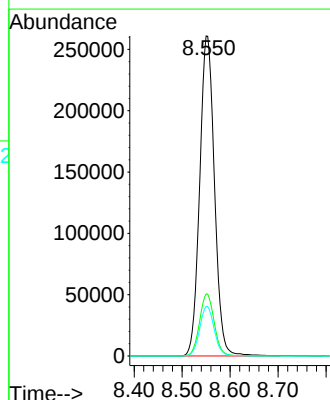
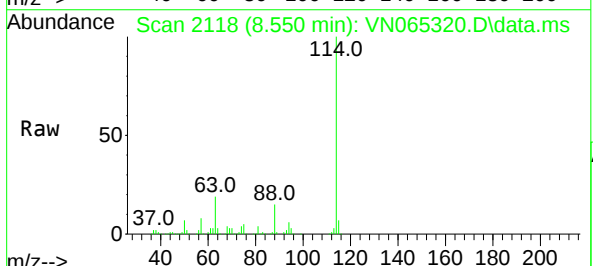
Instrument :  
MSVOA\_N  
ClientSampled :

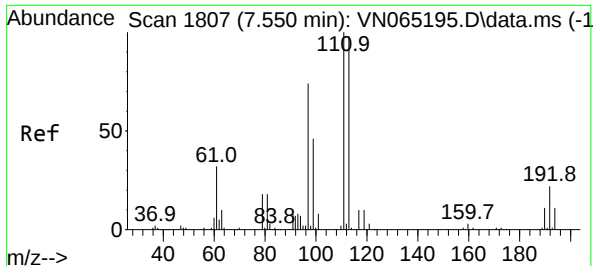
Tgt Ion: 65 Resp: 200055  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 108.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

Tgt Ion: 114 Resp: 558856  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 38.6  
88 15.5 0.0 32.6

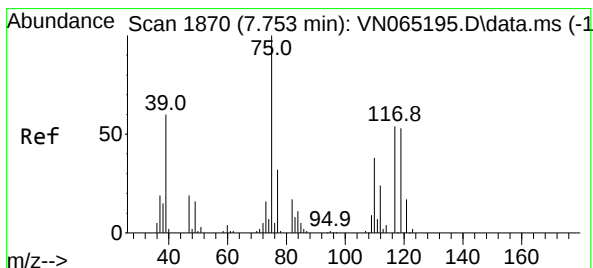
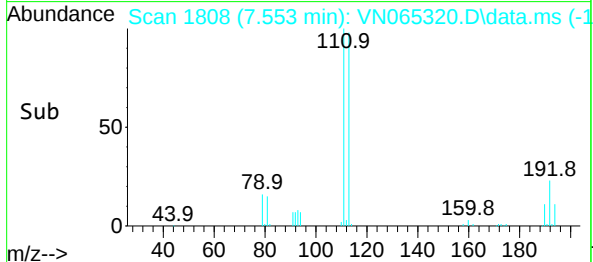
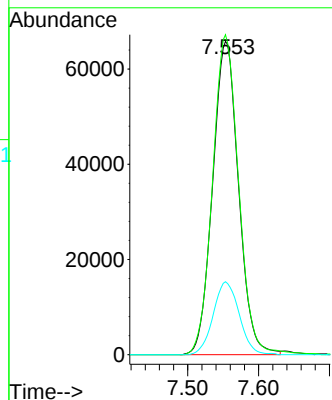
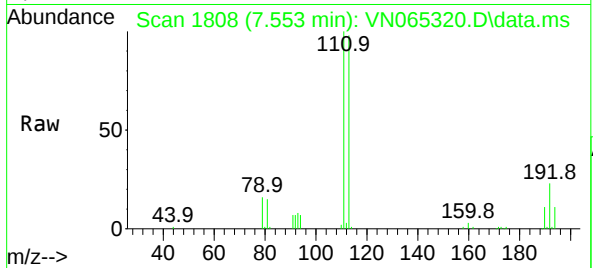




#35  
Dibromofluoromethane  
Concen: 49.55 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

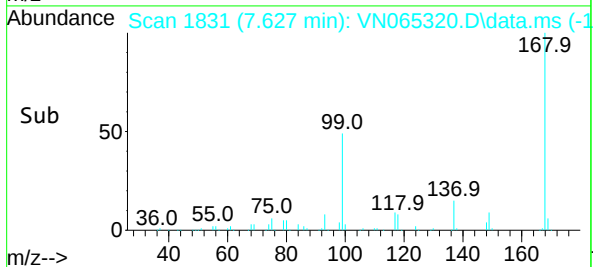
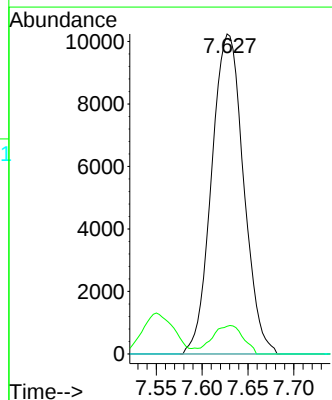
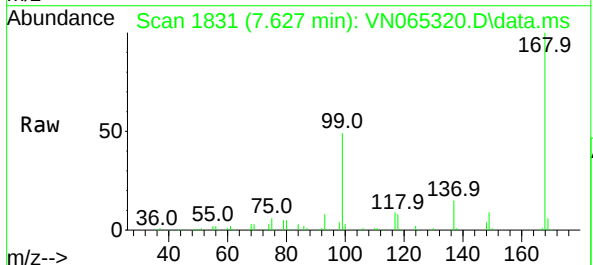
Instrument :  
MSVOA\_N  
ClientSampled :

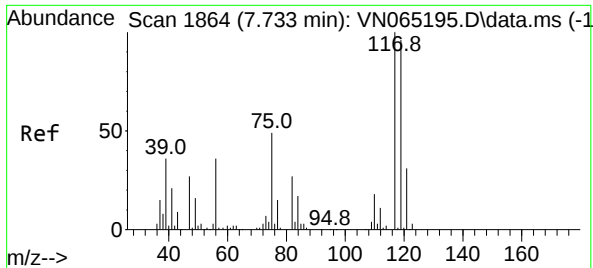
Tgt Ion:113 Resp: 167048  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.6 122.4  
192 23.4 16.2 24.2



#36  
1,1-Dichloropropene  
Concen: 4.88 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.126 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

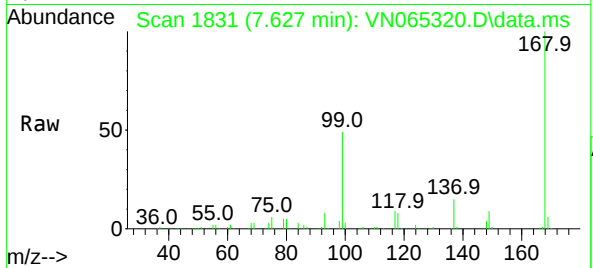
Tgt Ion: 75 Resp: 24813  
Ion Ratio Lower Upper  
75 100  
110 8.5 17.8 53.3#  
77 0.0 25.0 37.4#



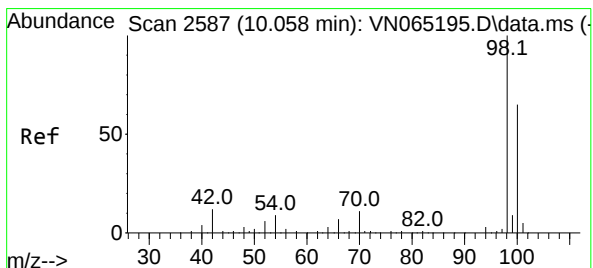
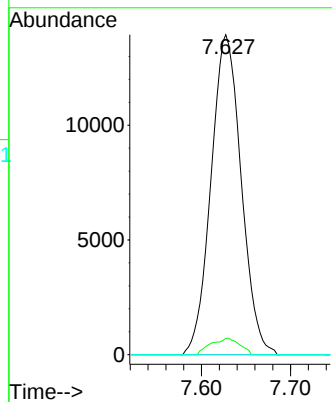
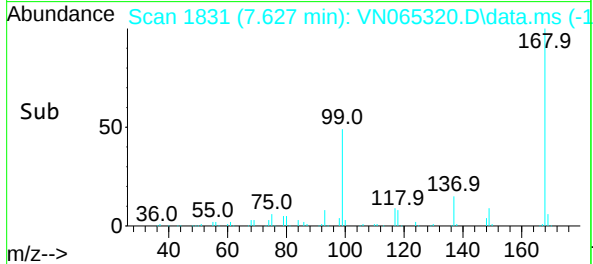


#38  
Carbon Tetrachloride  
Concen: 6.16 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.106 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

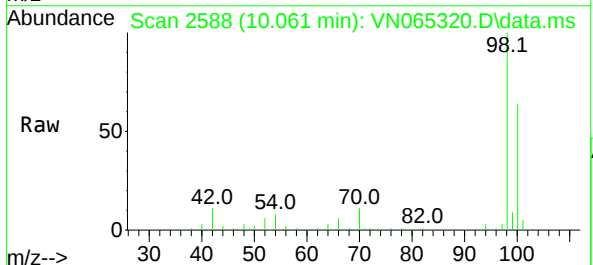
Instrument :  
MSVOA\_N  
ClientSampled :



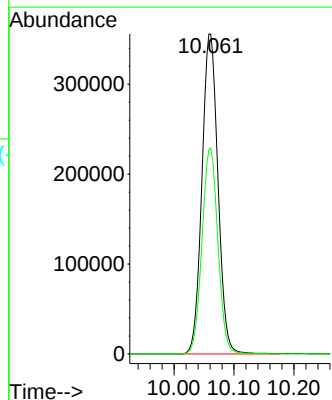
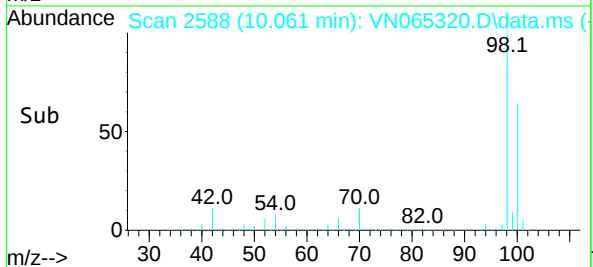
Tgt Ion:117 Resp: 32877  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.7 115.1#  
121 0.0 25.4 38.2#

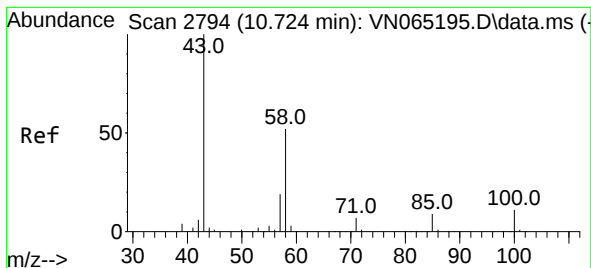


#50  
Toluene-d8  
Concen: 52.40 ug/l  
RT: 10.061 min Scan# 2588  
Delta R.T. 0.003 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07



Tgt Ion: 98 Resp: 662151  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.7 77.5

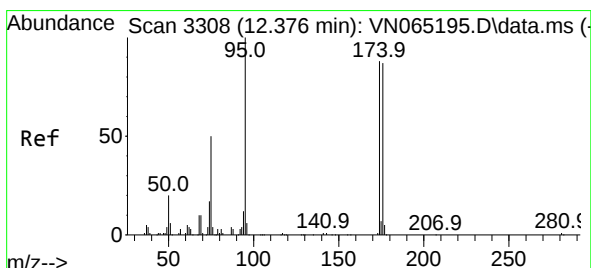
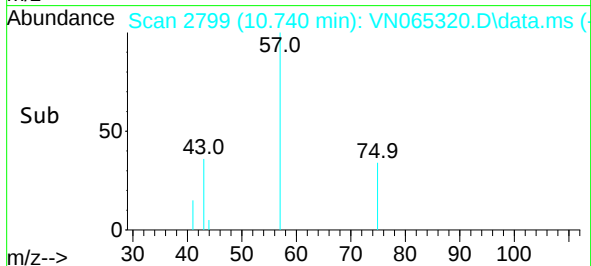
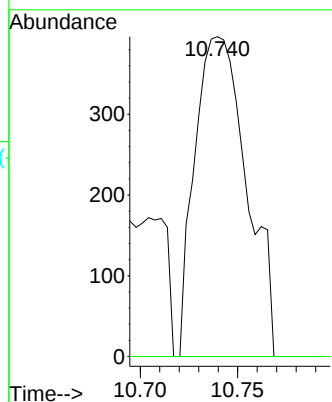
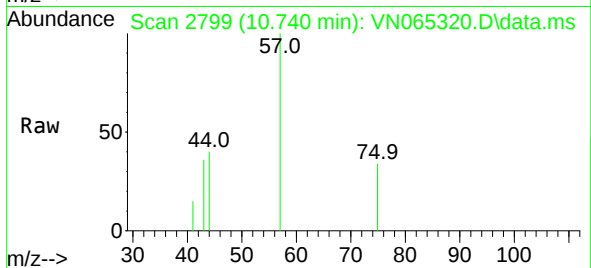




#59  
2-Hexanone  
Concen: 0.20 ug/l  
RT: 10.740 min Scan# 2799  
Delta R.T. 0.016 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

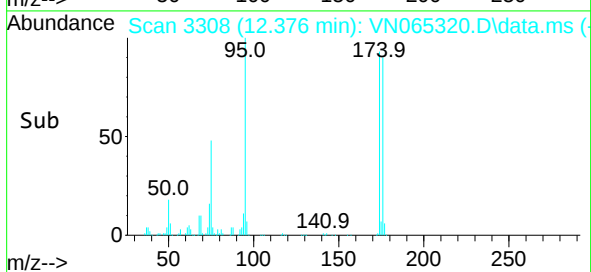
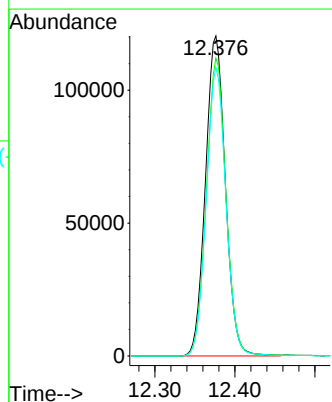
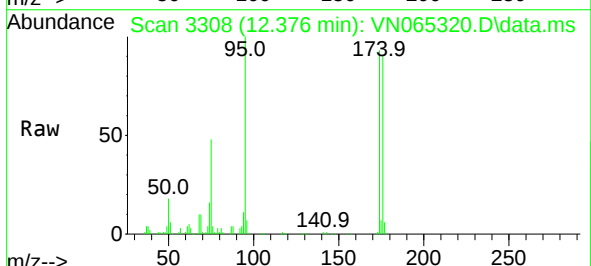
Instrument :  
MSVOA\_N  
ClientSampled :

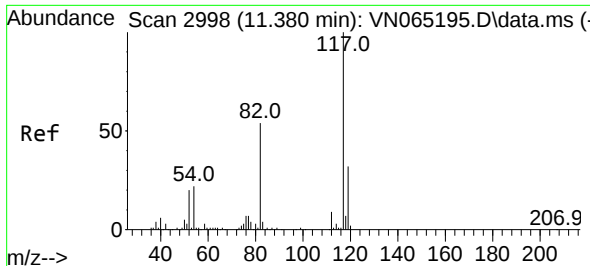
Tgt Ion: 43 Resp: 734  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.3 84.9#



#62  
4-Bromofluorobenzene  
Concen: 42.59 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

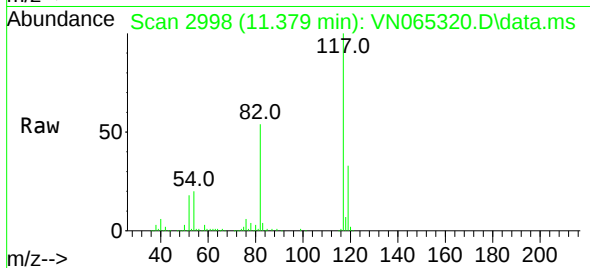
Tgt Ion: 95 Resp: 208628  
Ion Ratio Lower Upper  
95 100  
174 92.4 0.0 160.4  
176 88.9 0.0 158.4



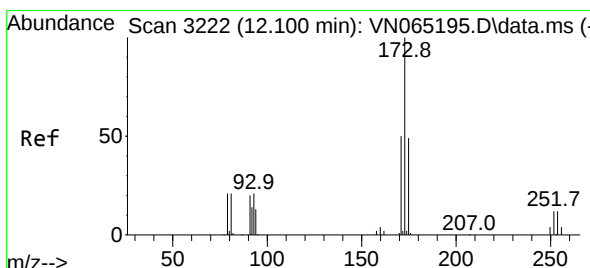
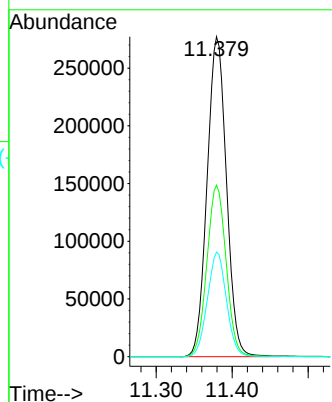
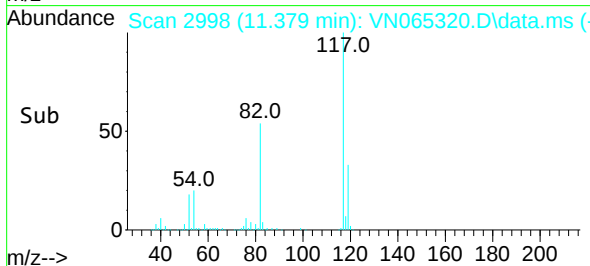


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.379 min Scan# 2998  
Delta R.T. -0.001 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

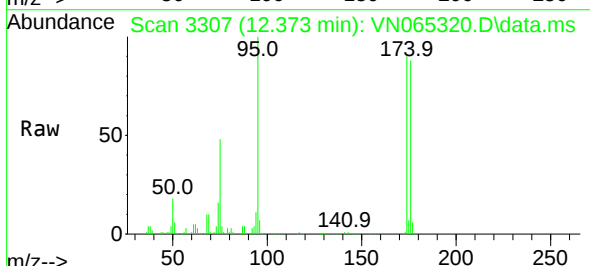
Instrument :  
MSVOA\_N  
ClientSampled :



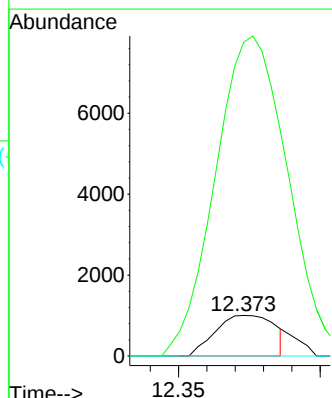
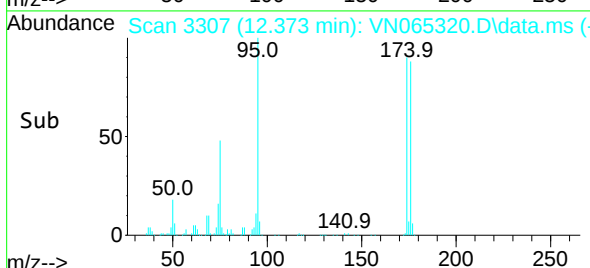
Tgt Ion:117 Resp: 490070  
Ion Ratio Lower Upper  
117 100  
82 53.6 44.2 66.2  
119 32.7 25.8 38.6

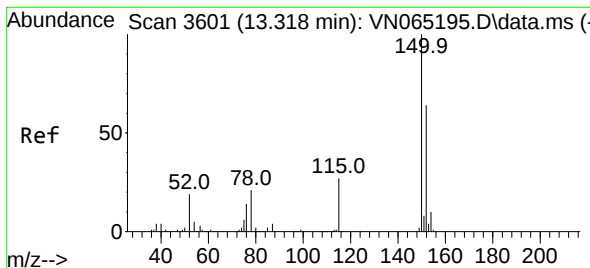


#71  
Bromoform  
Concen: 0.44 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.273 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07



Tgt Ion:173 Resp: 1458  
Ion Ratio Lower Upper  
173 100  
175 803.6 24.3 72.8#  
254 0.0 0.0 0.0

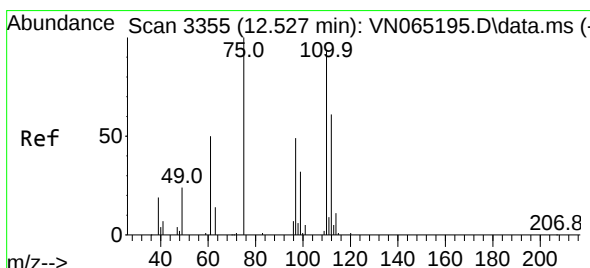
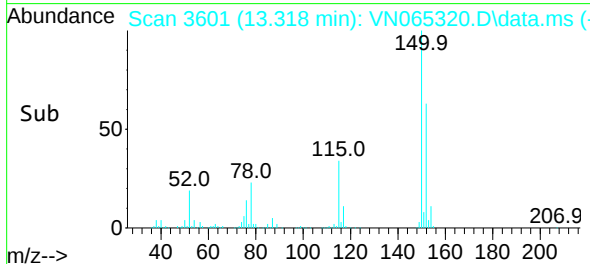
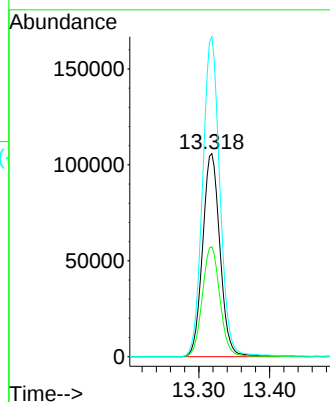
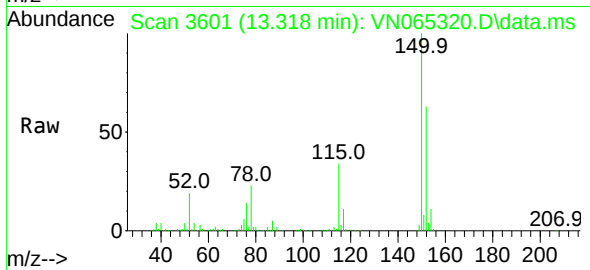




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.318 min Scan# 3601  
Delta R.T. 0.000 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

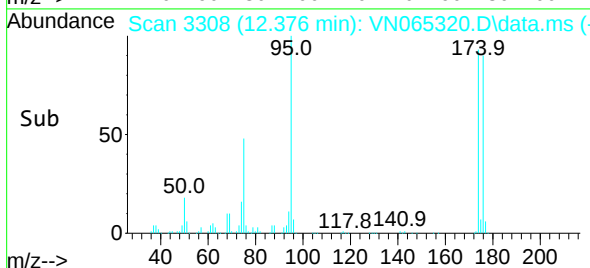
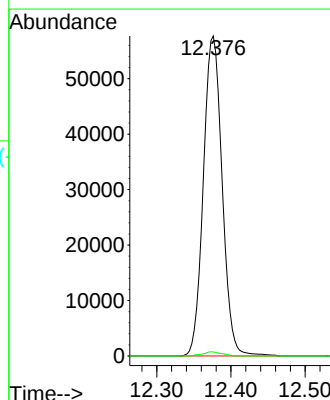
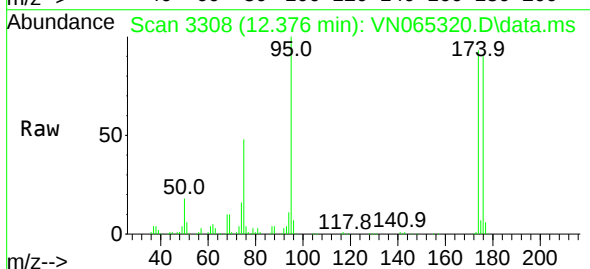
Instrument :  
MSVOA\_N  
ClientSampled :

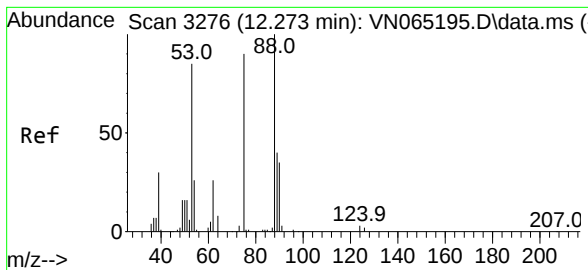
Tgt Ion:152 Resp: 180424  
Ion Ratio Lower Upper  
152 100  
115 55.0 29.7 89.1  
150 156.1 0.0 350.6



#76  
1,2,3-Trichloropropane  
Concen: 27.52 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. -0.151 min  
Lab File: VN065320.D  
Acq: 30 Dec 2020 15:07

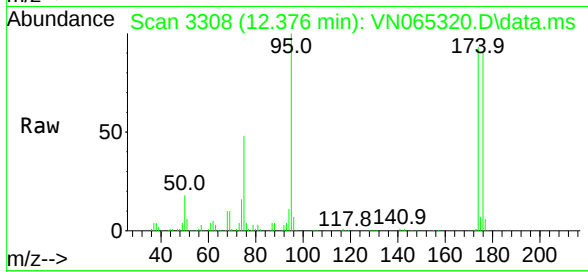
Tgt Ion: 75 Resp: 101291  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 69.39 ug/l  
 RT: 12.376 min Scan# 3308  
 Delta R.T. 0.103 min  
 Lab File: VN065320.D  
 Acq: 30 Dec 2020 15:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion: 75 Resp: 101291  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 67.0 100.4#  
 89 0.0 39.6 59.4#

