

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010621\  
 Data File : VN065405.D  
 Acq On : 6 Jan 2021 17:18  
 Operator : JC/MD  
 Sample : M1022-07 50X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 41038

Quant Time: Jan 07 01:29:34 2021  
 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

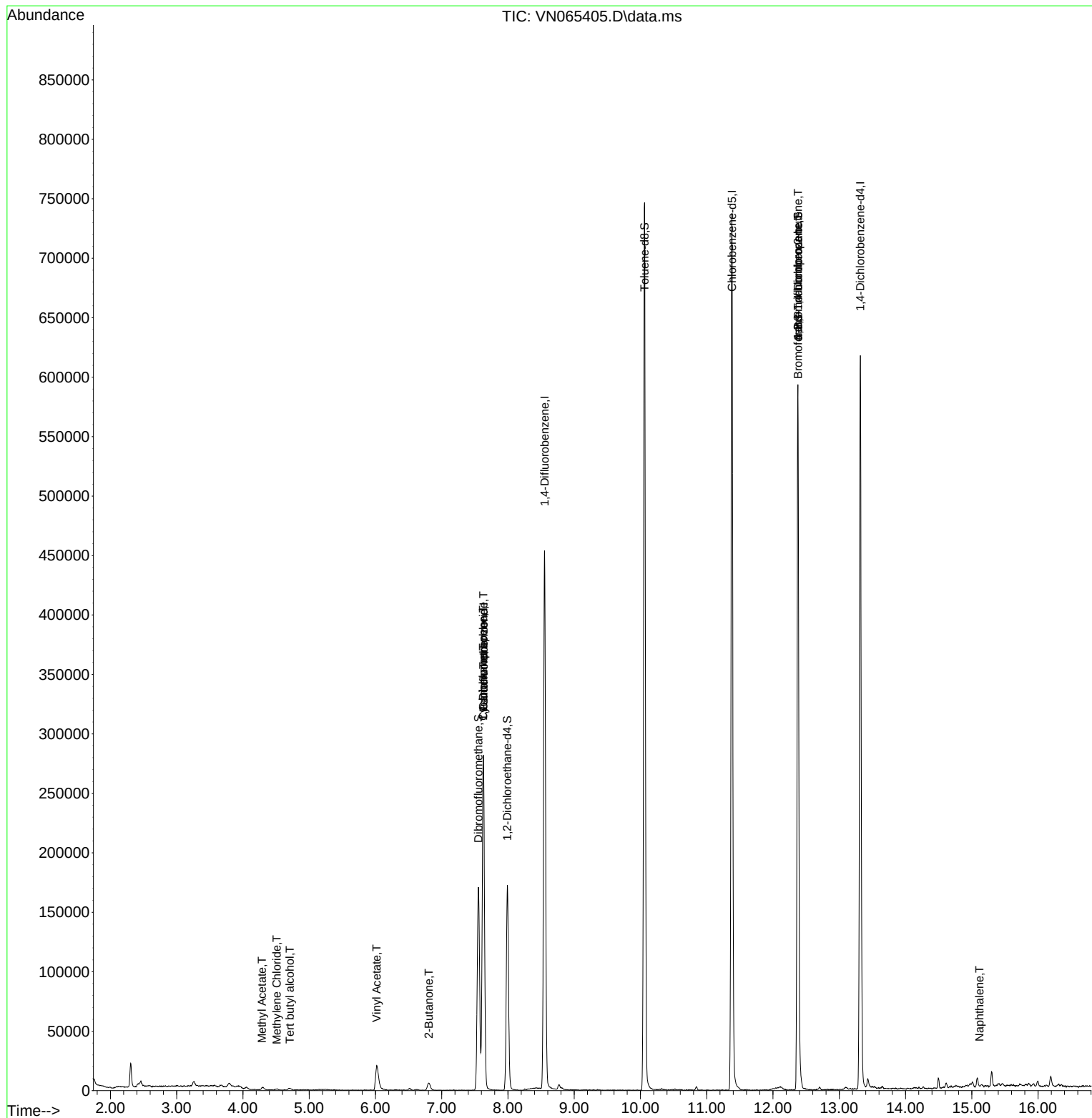
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.630  | 168   | 260944   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.553  | 114   | 435377   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.379 | 117   | 465053   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.318 | 152   | 192648   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.990  | 65    | 149173   | 50.64    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 101.28%  |
| 35) Dibromofluoromethane      | 7.553  | 113   | 133851   | 50.96    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 101.92%  |
| 50) Toluene-d8                | 10.061 | 98    | 544305   | 55.29    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 110.58%  |
| 62) 4-Bromofluorobenzene      | 12.376 | 95    | 211344   | 53.85    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 107.70%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 4.708  | 59    | 1447     | 3.00     | ug/l # | 73       |
| 16) Acetone                   | 3.795  | 43    | 4593     | Below    | Cal    | 94       |
| 18) Methyl Acetate            | 4.286  | 43    | 1768     | 0.67     | ug/l # | 87       |
| 20) Methylene Chloride        | 4.512  | 84    | 736      | 0.26     | ug/l # | 77       |
| 23) Vinyl Acetate             | 6.016  | 43    | 4004     | 0.56     | ug/l # | 71       |
| 25) 2-Butanone                | 6.804  | 43    | 395      | 0.24     | ug/l # | 49       |
| 31) Cyclohexane               | 7.624  | 56    | 4161     | 0.96     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.624  | 75    | 16492    | 4.17     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.627  | 117   | 21465    | 5.16     | ug/l # | 17       |
| 71) Bromoform                 | 12.379 | 173   | 1468     | 0.46     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.376 | 75    | 101547   | 25.84    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.376 | 75    | 101547   | 65.15    | ug/l # | 15       |
| 95) Naphthalene               | 15.116 | 128   | 235      | 3.39     | ug/l # | 69       |
| -----                         |        |       |          |          |        |          |

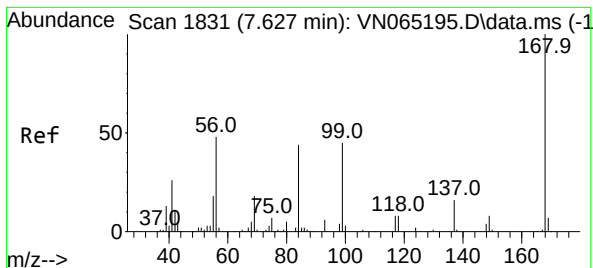
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010621\  
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Sample : M1022-07 50X  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Quant Time: Jan 07 01:29:34 2021  
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

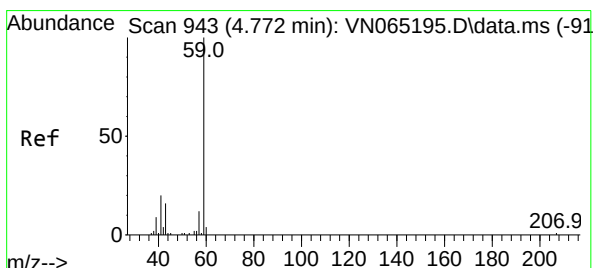
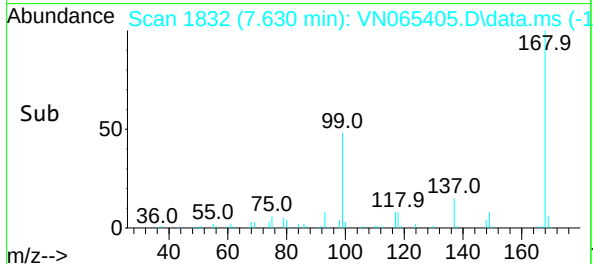
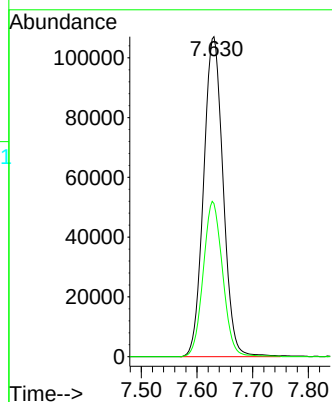
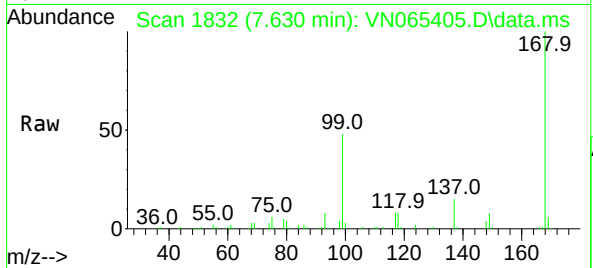




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.630 min Scan# 1832  
Delta R.T. 0.003 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

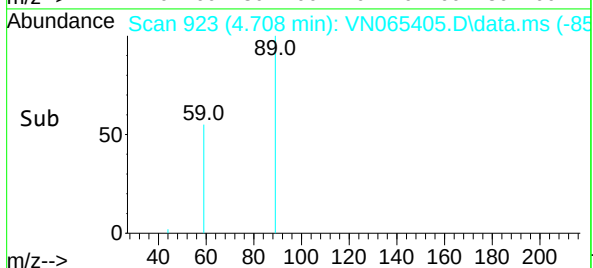
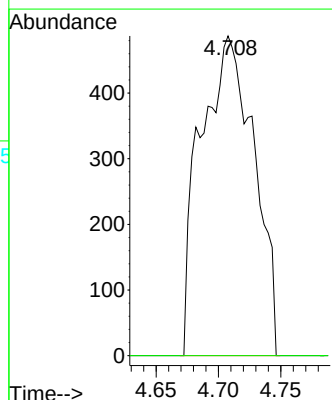
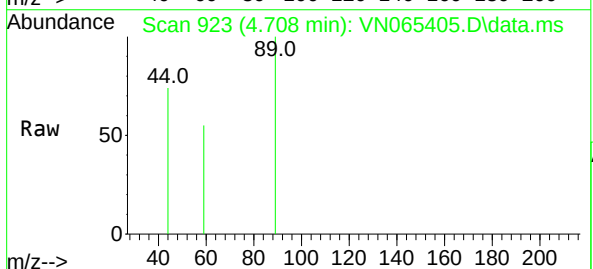
Instrument :  
MSVOA\_N  
ClientSampleId :  
41038

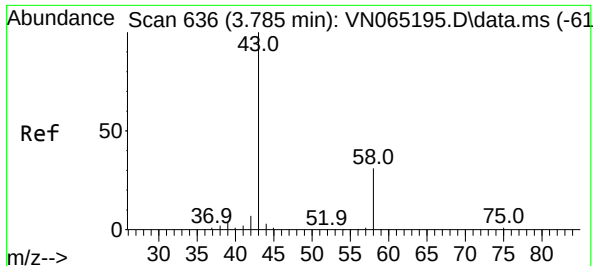
Tgt Ion:168 Resp: 260944  
Ion Ratio Lower Upper  
168 100  
99 47.8 43.0 64.4



#11  
Tert butyl alcohol  
Concen: 3.00 ug/l  
RT: 4.708 min Scan# 923  
Delta R.T. -0.064 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

Tgt Ion: 59 Resp: 1447  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.9 11.9#

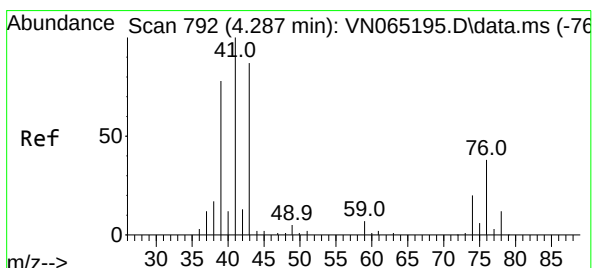
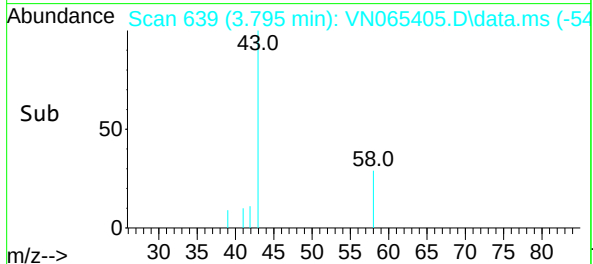
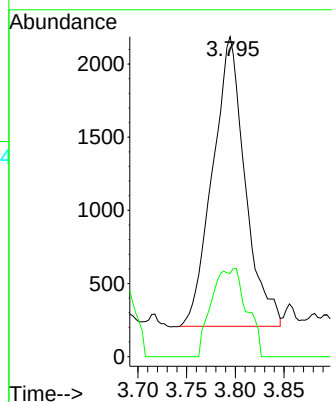
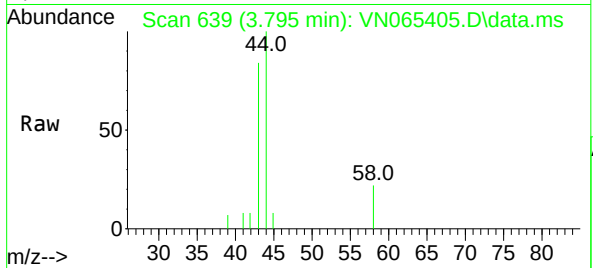




#16  
Acetone  
Concen: Below Cal  
RT: 3.795 min Scan# 639  
Delta R.T. 0.010 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

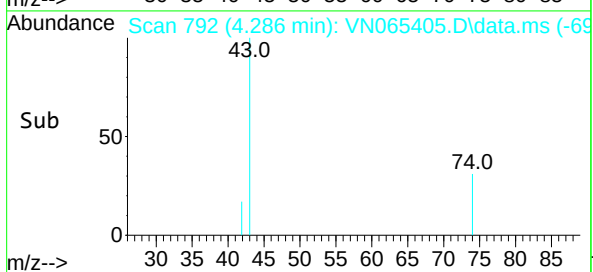
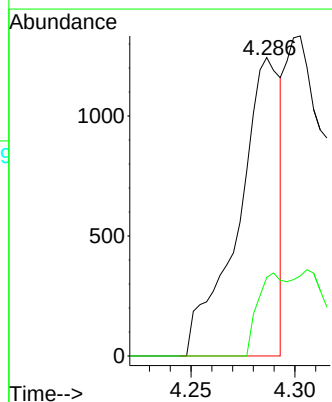
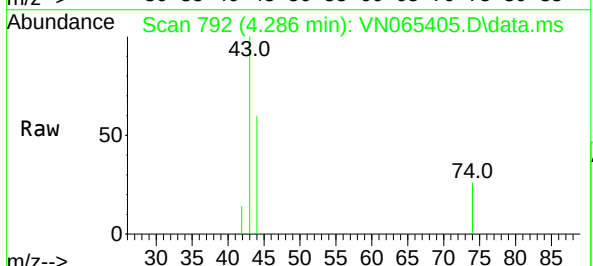
Instrument :  
MSVOA\_N  
ClientSampled :  
41038

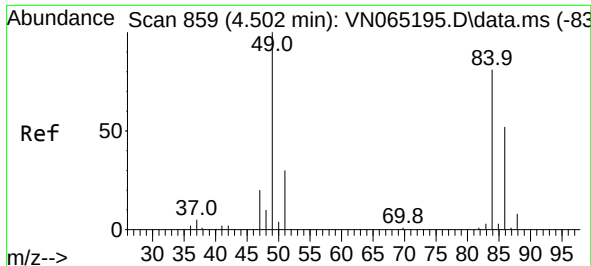
Tgt Ion: 43 Resp: 4593  
Ion Ratio Lower Upper  
43 100  
58 28.8 25.7 38.5



#18  
Methyl Acetate  
Concen: 0.67 ug/l  
RT: 4.286 min Scan# 792  
Delta R.T. -0.001 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

Tgt Ion: 43 Resp: 1768  
Ion Ratio Lower Upper  
43 100  
74 18.8 20.2 30.2#



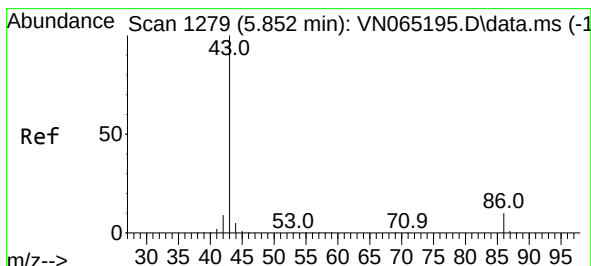
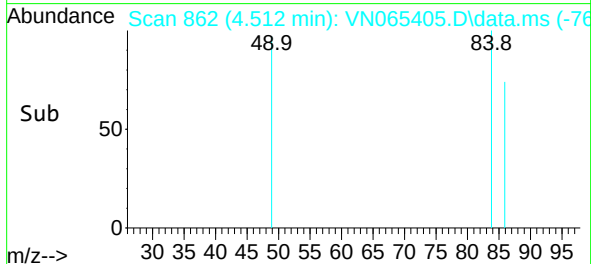
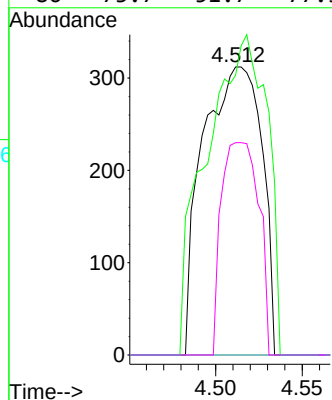
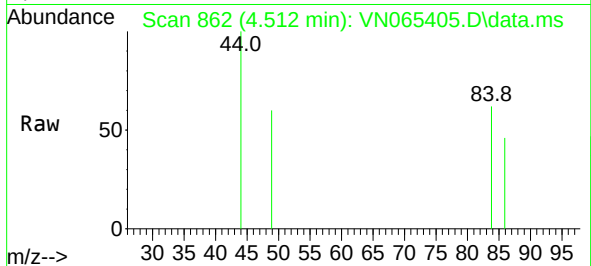


#20  
Methylene Chloride  
Concen: 0.26 ug/l  
RT: 4.512 min Scan# 862  
Delta R.T. 0.010 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

Instrument :  
MSVOA\_N  
ClientSampled :  
41038

Tgt Ion: 84 Resp: 736

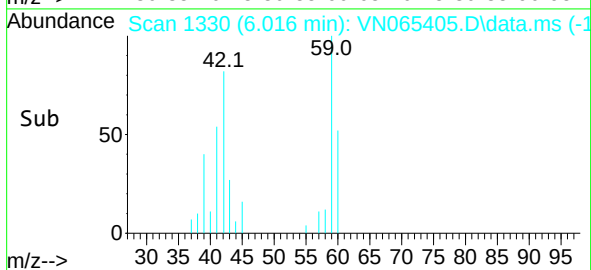
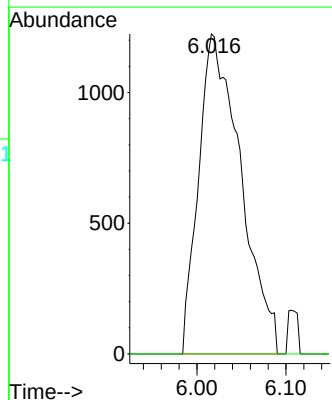
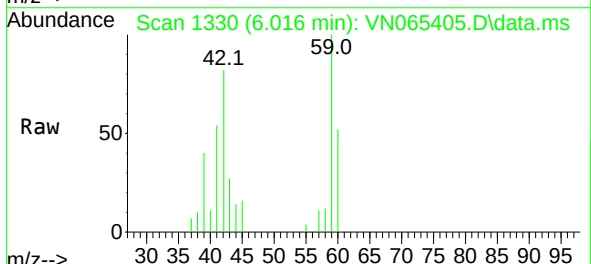
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 97.1  | 93.4  | 140.0 |
| 51  | 0.0   | 28.2  | 42.4# |
| 86  | 73.7  | 51.7  | 77.5  |

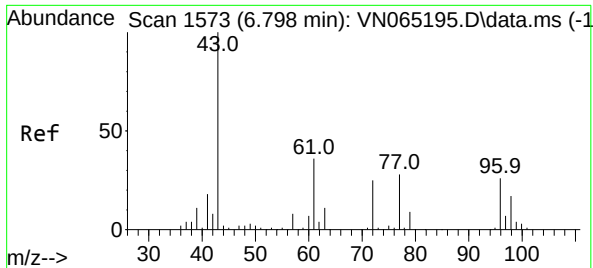


#23  
Vinyl Acetate  
Concen: 0.56 ug/l  
RT: 6.016 min Scan# 1330  
Delta R.T. 0.164 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

Tgt Ion: 43 Resp: 4004

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 0.0   | 8.9   | 13.3# |

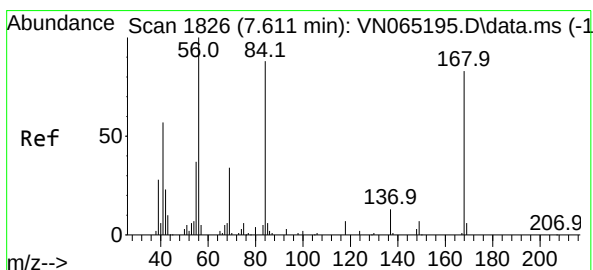
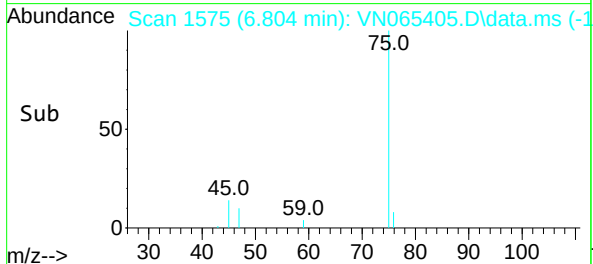
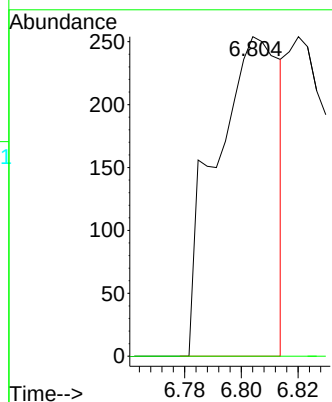
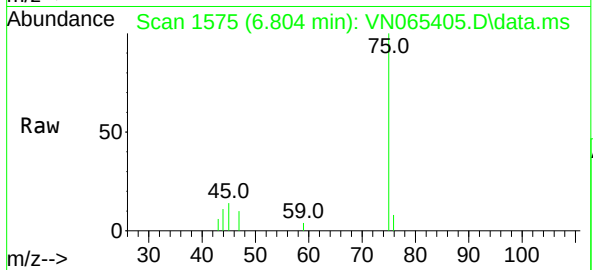




#25  
2-Butanone  
Concen: 0.24 ug/l  
RT: 6.804 min Scan# 1575  
Delta R.T. 0.006 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

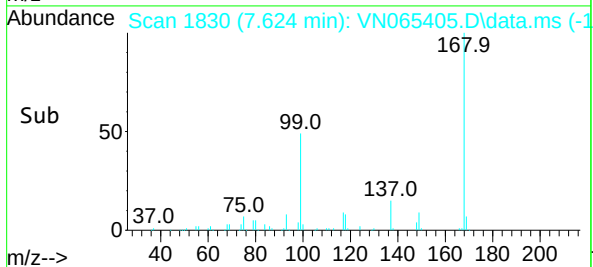
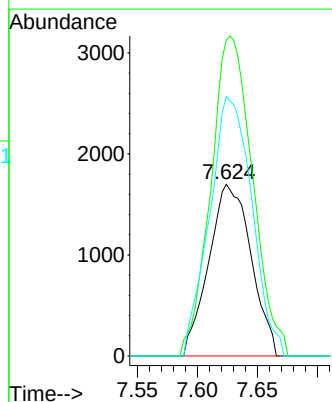
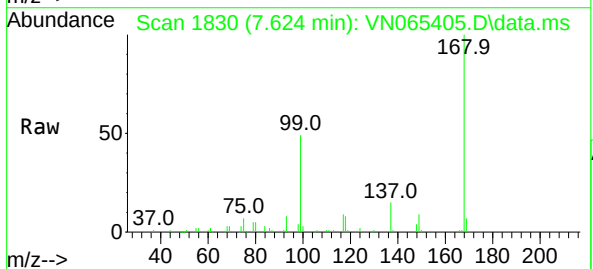
Instrument :  
MSVOA\_N  
ClientSampled :  
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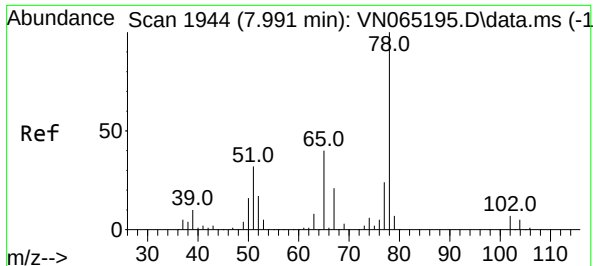
Tgt Ion: 43 Resp: 395  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.0 31.6#



#31  
Cyclohexane  
Concen: 0.96 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.013 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

Tgt Ion: 56 Resp: 4161  
Ion Ratio Lower Upper  
56 100  
69 183.9 27.5 41.3#  
84 151.3 73.9 110.9#

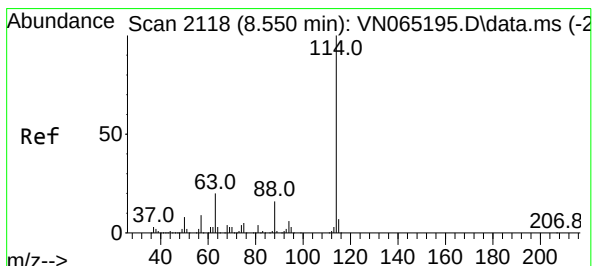
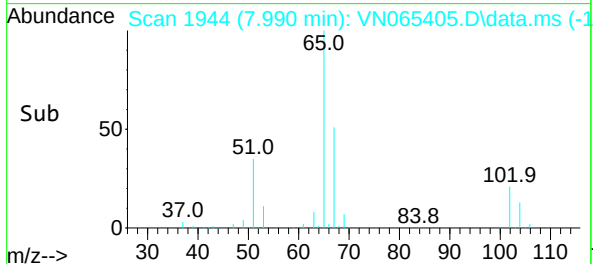
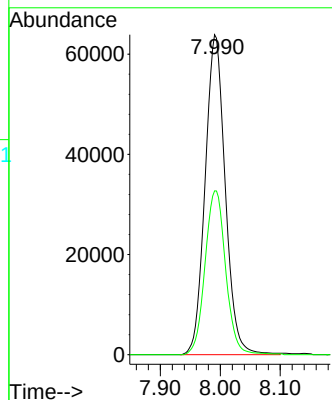
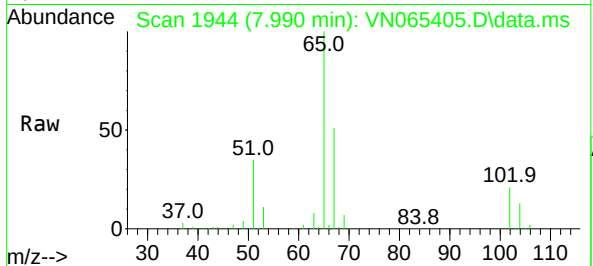




#33  
1,2-Dichloroethane-d4  
Concen: 50.64 ug/l  
RT: 7.990 min Scan# 1944  
Delta R.T. -0.001 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

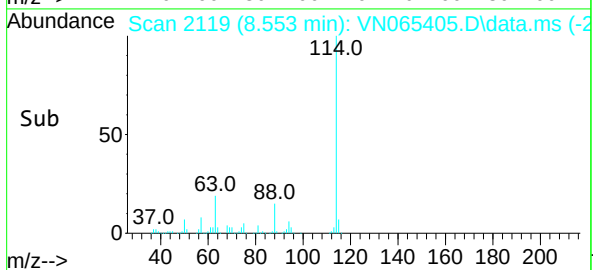
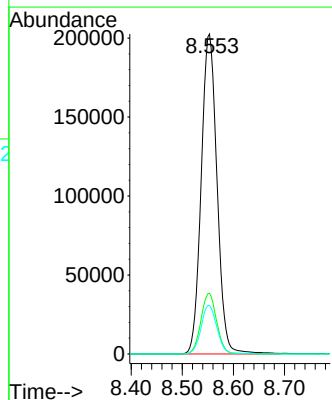
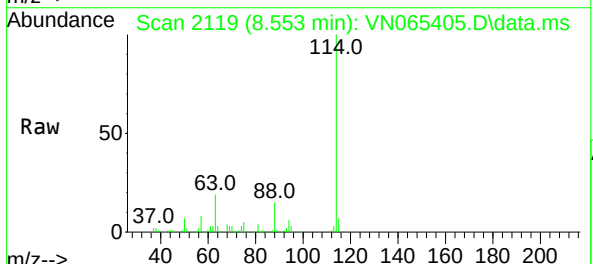
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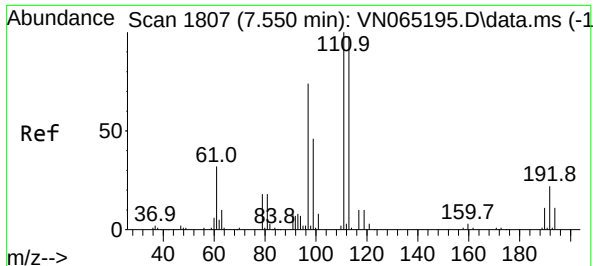
Tgt Ion: 65 Resp: 149173  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 108.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.553 min Scan# 2119  
Delta R.T. 0.003 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

Tgt Ion: 114 Resp: 435377  
Ion Ratio Lower Upper  
114 100  
63 18.9 0.0 38.6  
88 15.2 0.0 32.6

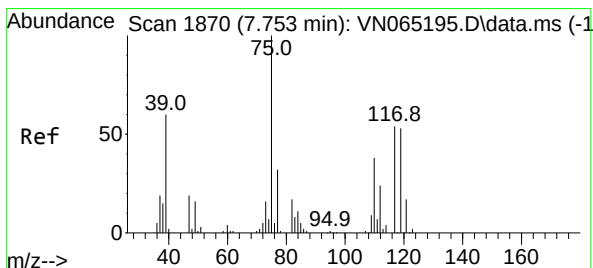
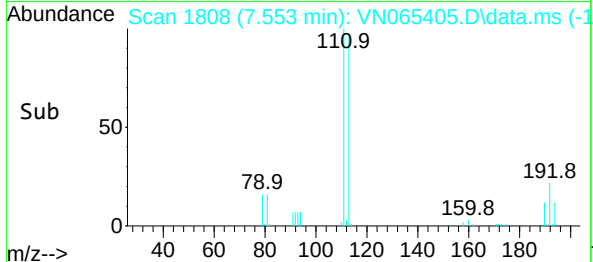
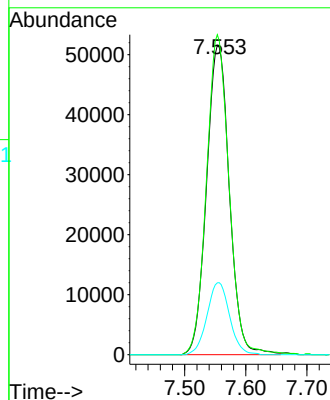
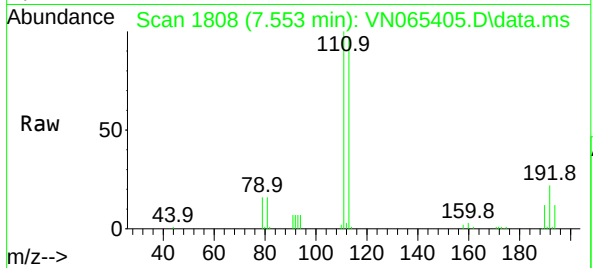




#35  
Dibromofluoromethane  
Concen: 50.96 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

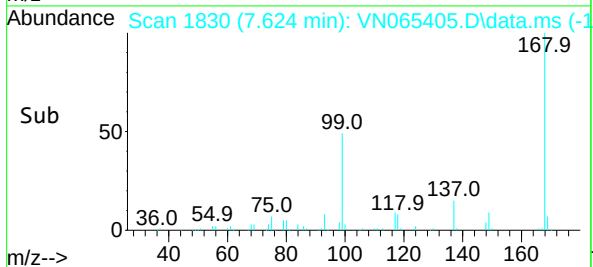
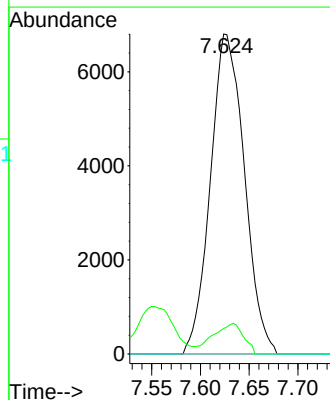
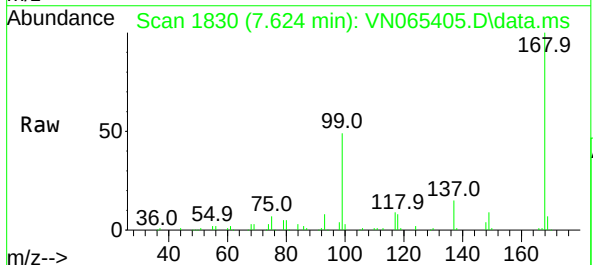
Instrument :  
MSVOA\_N  
ClientSampled :  
41038

Tgt Ion:113 Resp: 133851  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.6 122.4  
192 23.1 16.2 24.2

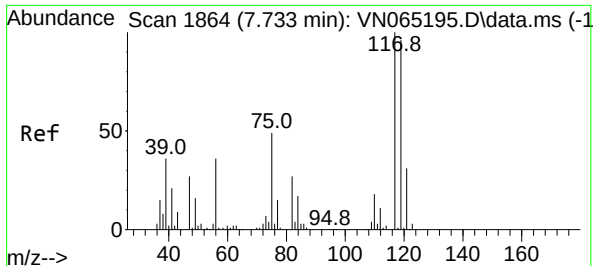


#36  
1,1-Dichloropropene  
Concen: 4.17 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.129 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

Tgt Ion: 75 Resp: 16492  
Ion Ratio Lower Upper  
75 100  
110 8.6 17.8 53.3#  
77 0.0 25.0 37.4#

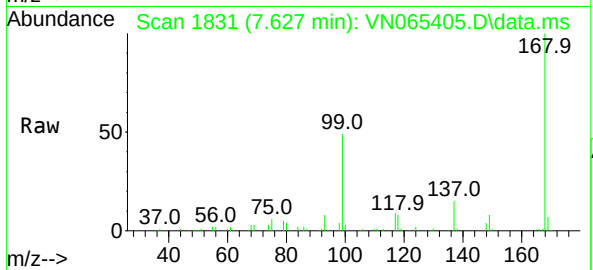




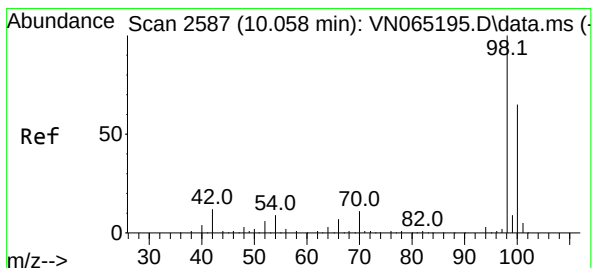
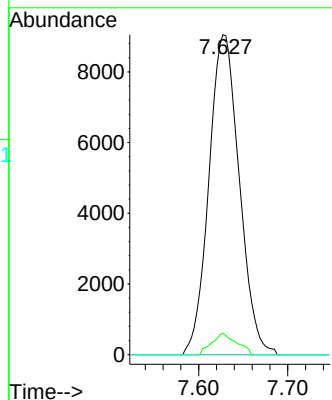
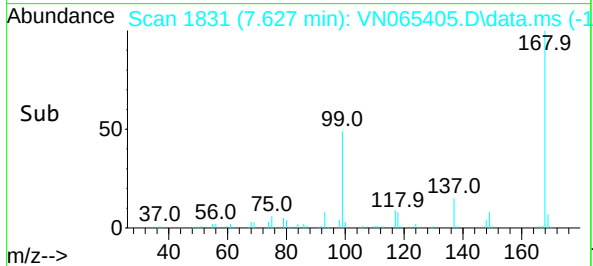


#38  
Carbon Tetrachloride  
Concen: 5.16 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.106 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

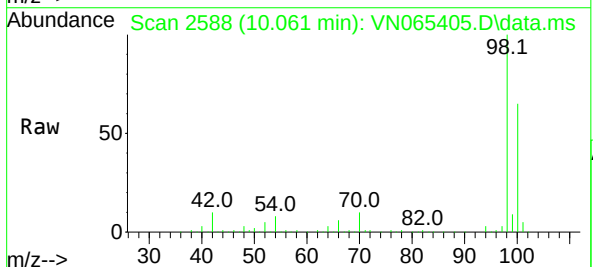
Instrument :  
MSVOA\_N  
ClientSampled :  
41038



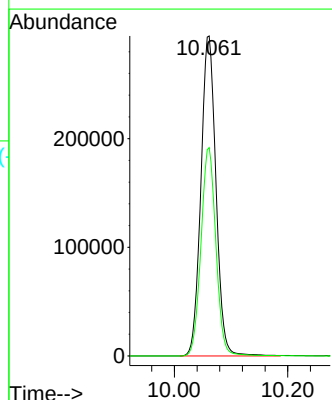
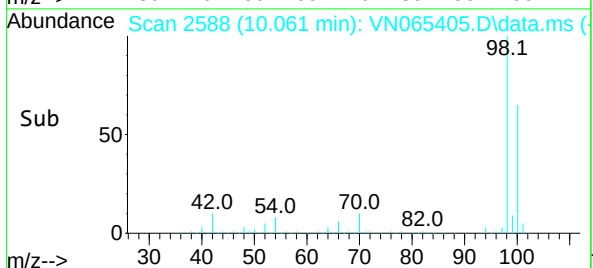
Tgt Ion:117 Resp: 21465  
Ion Ratio Lower Upper  
117 100  
119 6.7 76.7 115.1#  
121 0.0 25.4 38.2#

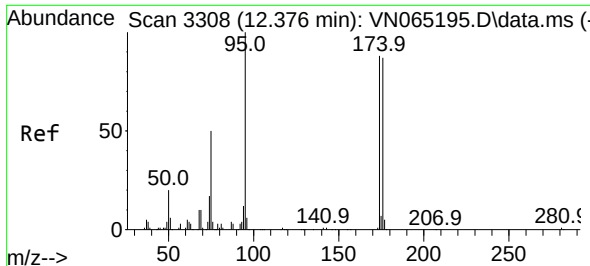


#50  
Toluene-d8  
Concen: 55.29 ug/l  
RT: 10.061 min Scan# 2588  
Delta R.T. 0.003 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18



Tgt Ion: 98 Resp: 544305  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.7 77.5

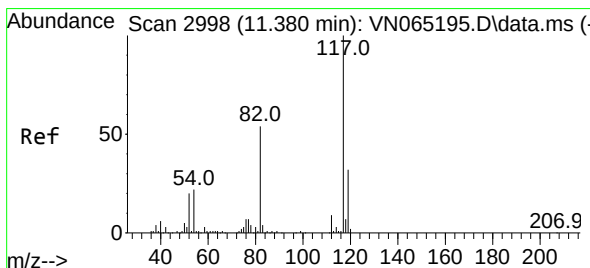
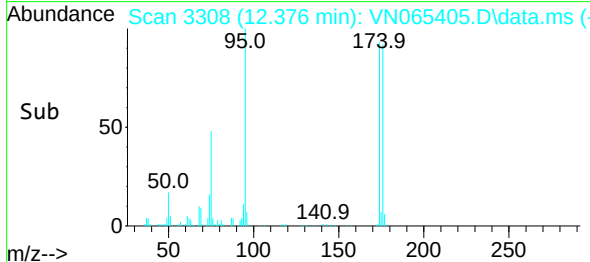
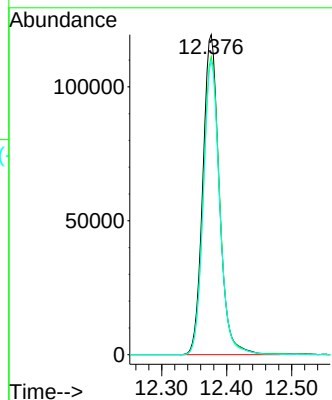
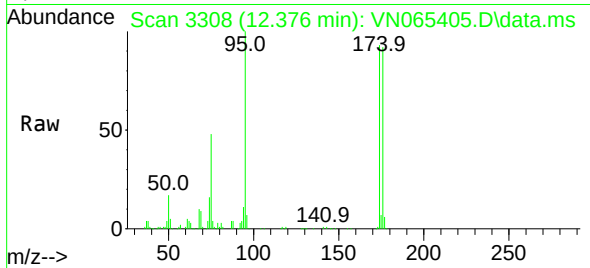




#62  
4-Bromofluorobenzene  
Concen: 53.85 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

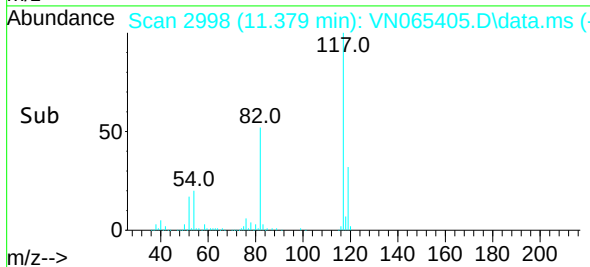
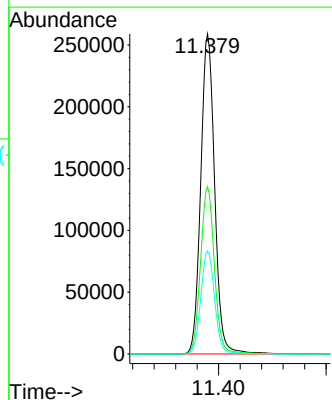
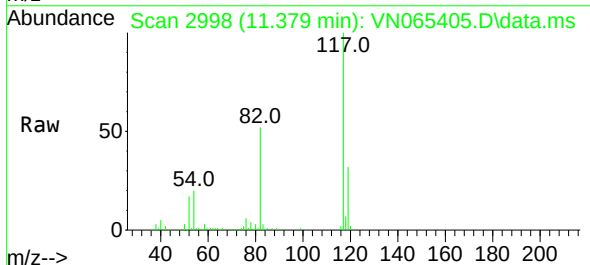
Instrument :  
MSVOA\_N  
ClientSampleId :  
41038

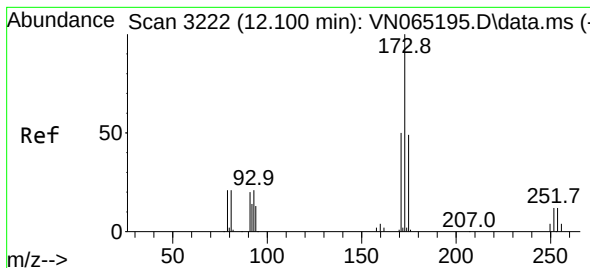
Tgt Ion: 95 Resp: 211344  
Ion Ratio Lower Upper  
95 100  
174 93.6 0.0 160.4  
176 90.8 0.0 158.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.379 min Scan# 2998  
Delta R.T. -0.001 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

Tgt Ion: 117 Resp: 465053  
Ion Ratio Lower Upper  
117 100  
82 52.3 44.2 66.2  
119 32.2 25.8 38.6

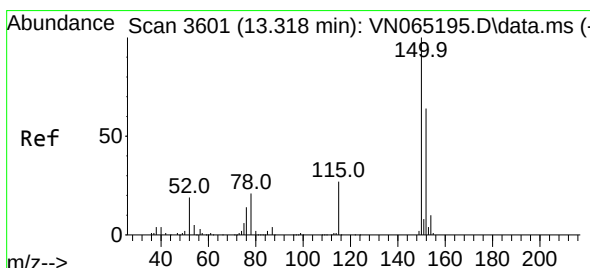
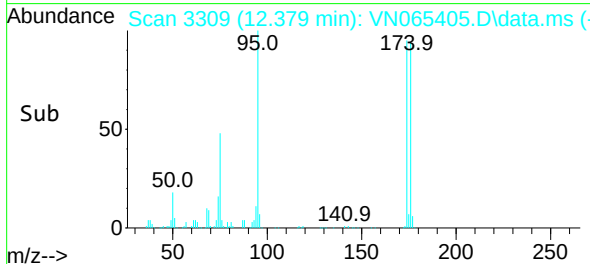
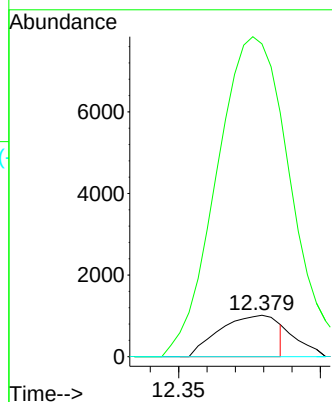
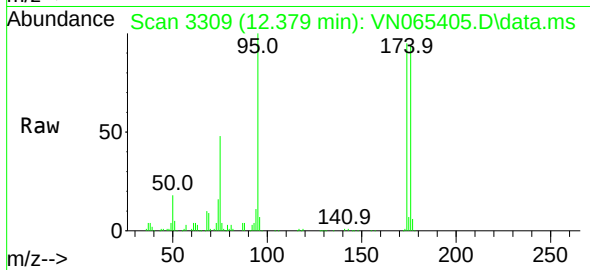




#71  
Bromoform  
Concen: 0.46 ug/l  
RT: 12.379 min Scan# 3309  
Delta R.T. 0.279 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

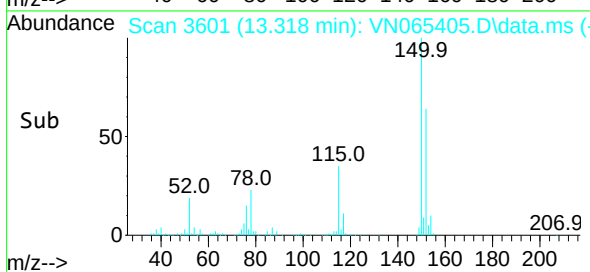
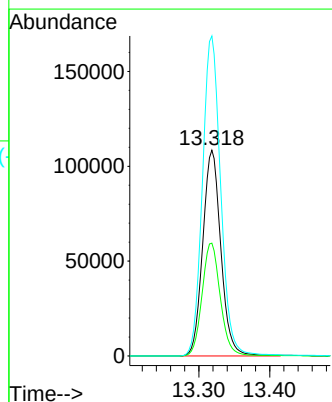
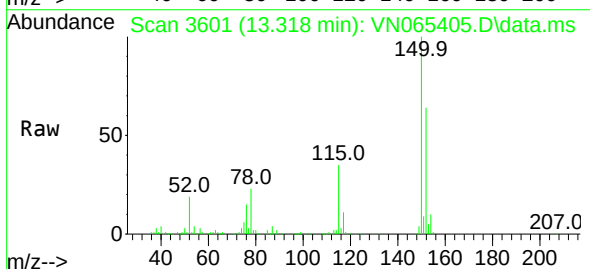
Instrument :  
MSVOA\_N  
ClientSampled :  
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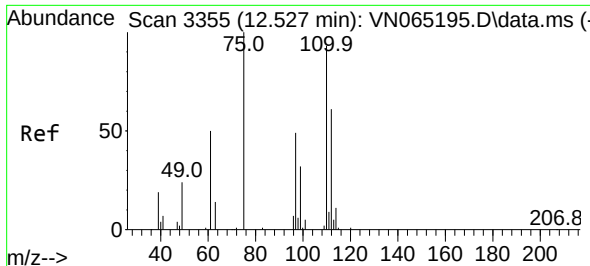
Tgt Ion:173 Resp: 1468  
Ion Ratio Lower Upper  
173 100  
175 794.6 24.3 72.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.318 min Scan# 3601  
Delta R.T. 0.000 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

Tgt Ion:152 Resp: 192648  
Ion Ratio Lower Upper  
152 100  
115 55.3 29.7 89.1  
150 156.8 0.0 350.6

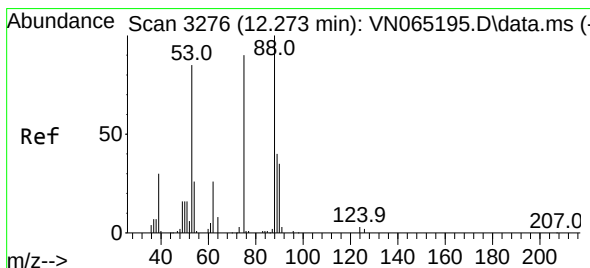
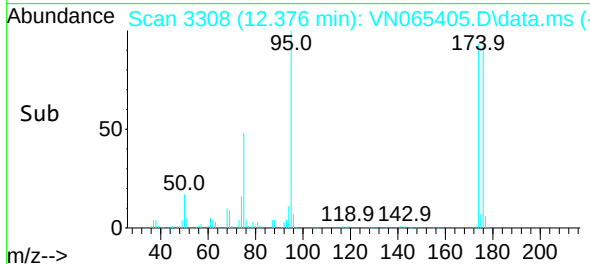
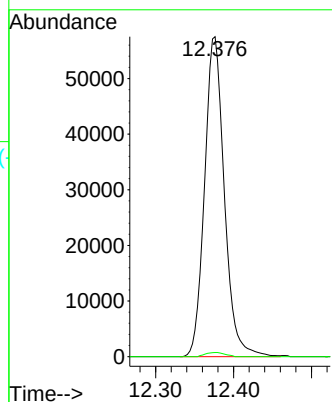
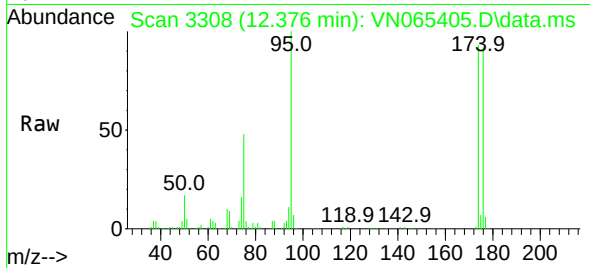




#76  
1,2,3-Trichloropropane  
Concen: 25.84 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. -0.151 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

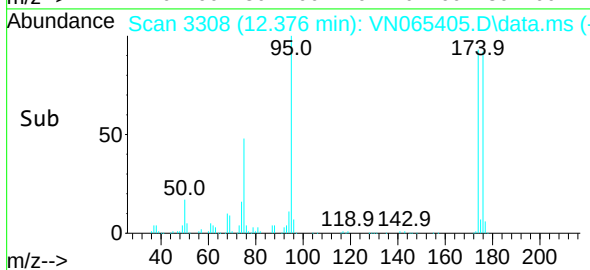
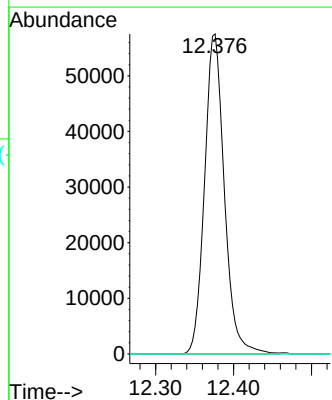
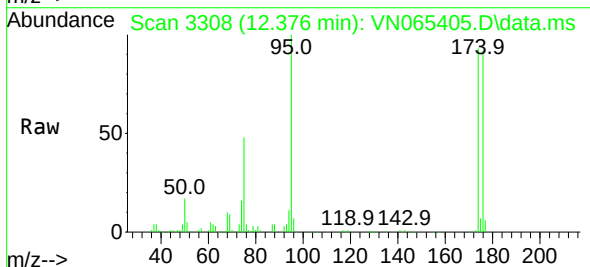
Instrument :  
MSVOA\_N  
ClientSampled :  
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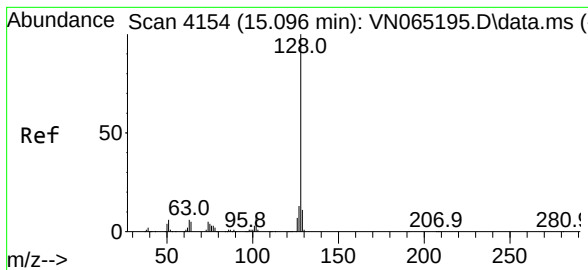
Tgt Ion: 75 Resp: 101547  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.15 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.103 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

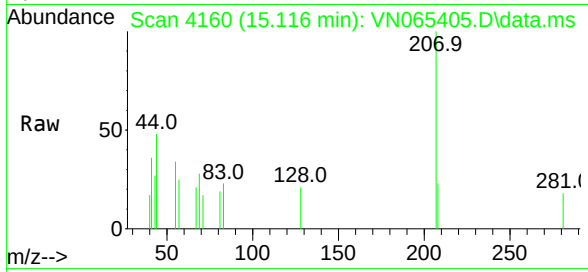
Tgt Ion: 75 Resp: 101547  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.0 100.4#  
89 0.0 39.6 59.4#





#95  
Naphthalene  
Concen: 3.39 ug/l  
RT: 15.116 min Scan# 4160  
Delta R.T. 0.020 min  
Lab File: VN065405.D  
Acq: 6 Jan 2021 17:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
41038



Tgt Ion:128 Resp: 235  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.7 13.1#

