

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122820\  
 Data File : VN065281.D  
 Acq On : 28 Dec 2020 13:12  
 Operator : JC/MD  
 Sample : L5218-08  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Dec 29 02:20:43 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

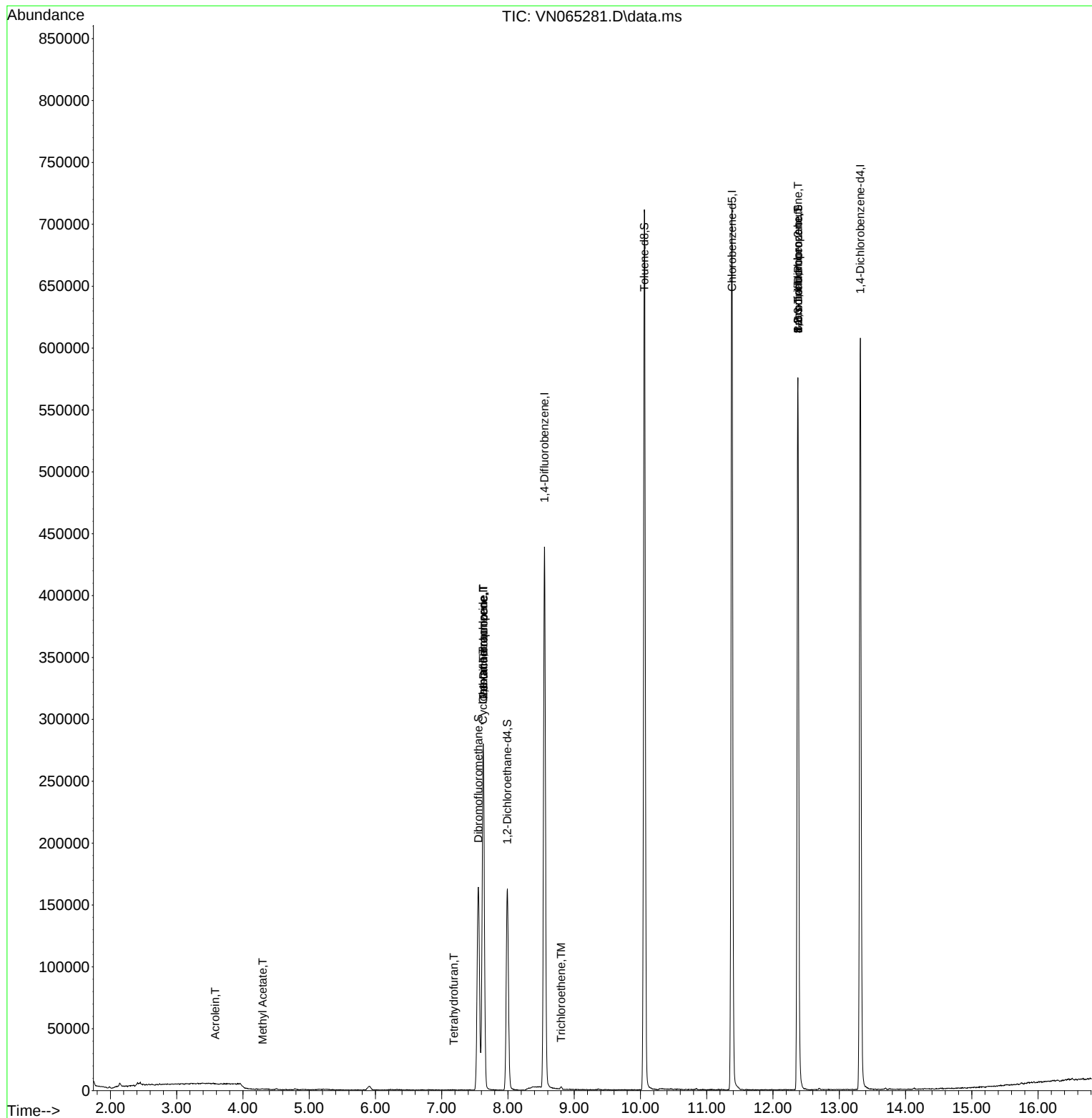
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.627          | 168  | 250137             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 413956             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.380         | 117  | 438164             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.319         | 152  | 184562             | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.991          | 65   | 143707             | 50.89     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 101.78% |           |        |          |
| 35) Dibromofluoromethane      | 7.553          | 113  | 128539             | 51.47     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 102.94% |           |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 514748             | 54.99     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 109.98% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.376         | 95   | 204877             | 54.80     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 109.60% |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
|                               |                |      |                    |           | Qvalue |          |
| 13) Acrolein                  | 3.583          | 56   | 29                 | 2.50      | ug/l # | 1        |
| 16) Acetone                   | 3.785          | 43   | 166                | Below Cal | #      | 43       |
| 18) Methyl Acetate            | 4.296          | 43   | 1599               | 0.63      | ug/l # | 50       |
| 29) Tetrahydrofuran           | 7.184          | 42   | 458                | 0.45      | ug/l # | 32       |
| 31) Cyclohexane               | 7.621          | 56   | 4253               | 1.02      | ug/l # | 2        |
| 36) 1,1-Dichloropropene       | 7.627          | 75   | 16322              | 4.34      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.624          | 117  | 21297              | 5.39      | ug/l # | 16       |
| 44) Trichloroethene           | 8.804          | 130  | 805                | 0.25      | ug/l   | 78       |
| 71) Bromoform                 | 12.376         | 173  | 1147               | 0.38      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.376         | 75   | 100242             | 26.62     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.376         | 75   | 100242             | 67.13     | ug/l # | 15       |
| -----                         |                |      |                    |           |        |          |

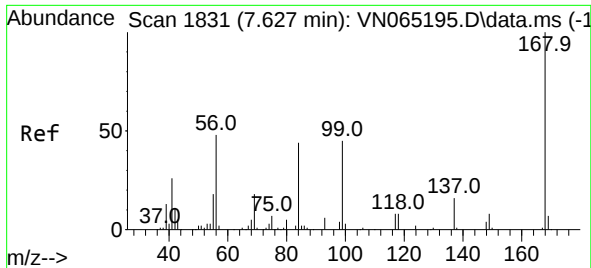
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Time: Dec 29 02:20:43 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

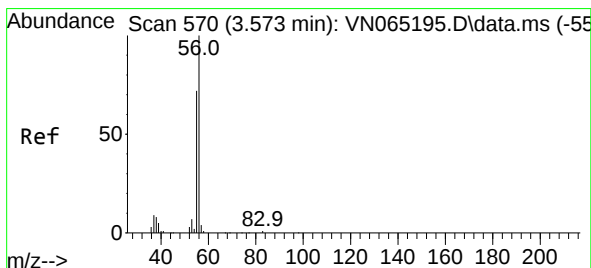
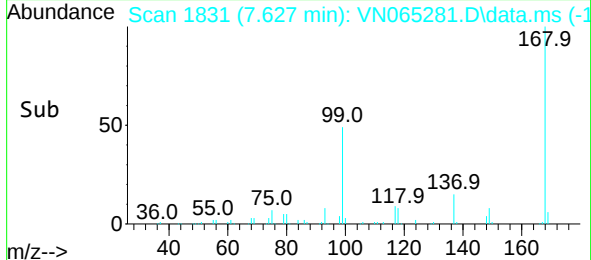
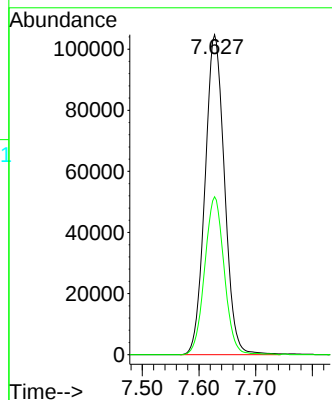
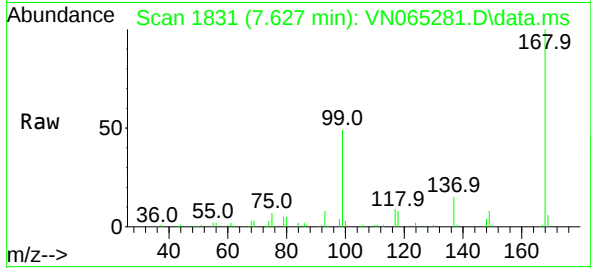




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.000 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

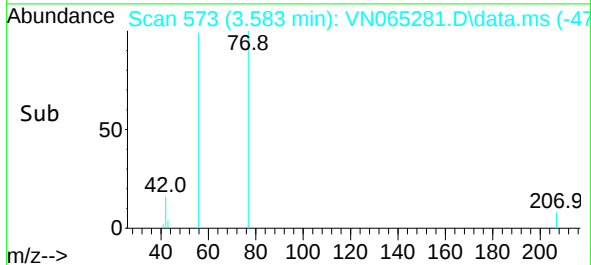
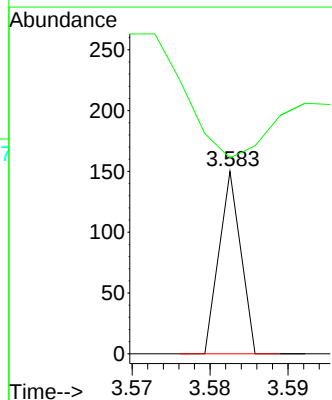
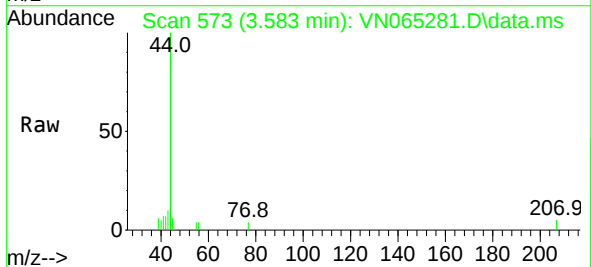
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

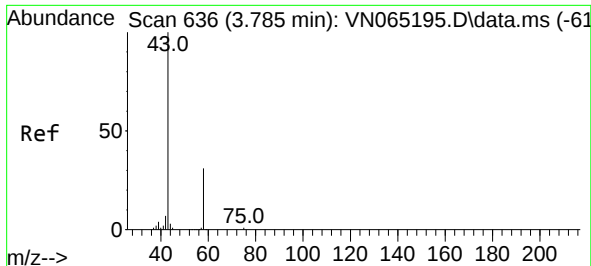
Tgt Ion:168 Resp: 250137  
Ion Ratio Lower Upper  
168 100  
99 49.3 43.0 64.4



#13  
Acrolein  
Concen: 2.50 ug/l  
RT: 3.583 min Scan# 573  
Delta R.T. 0.010 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

Tgt Ion: 56 Resp: 29  
Ion Ratio Lower Upper  
56 100  
55 1106.9 56.5 84.7#

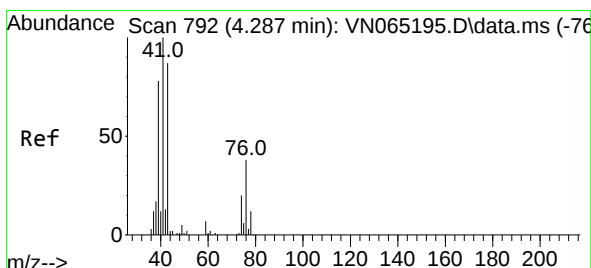
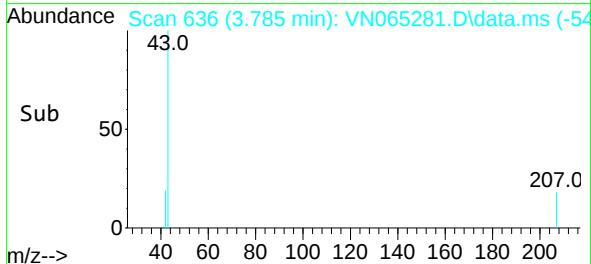
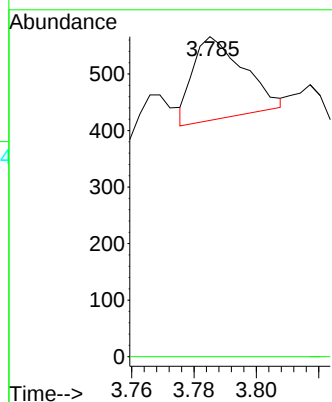
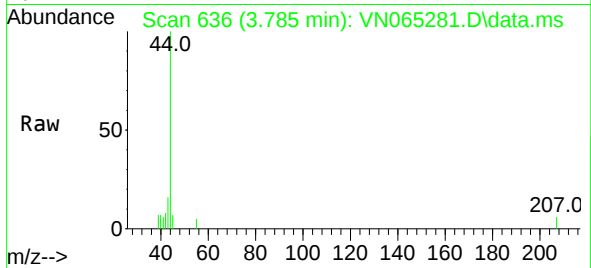




#16  
Acetone  
Concen: Below Cal  
RT: 3.785 min Scan# 636  
Delta R.T. 0.000 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

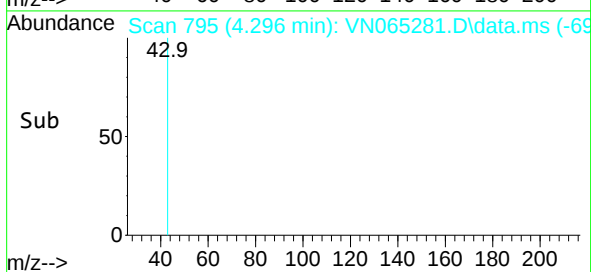
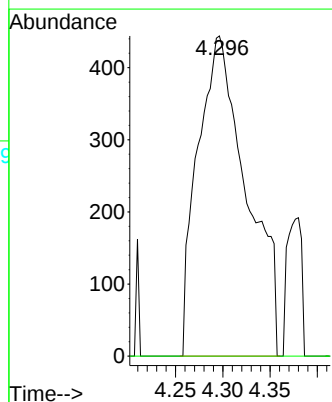
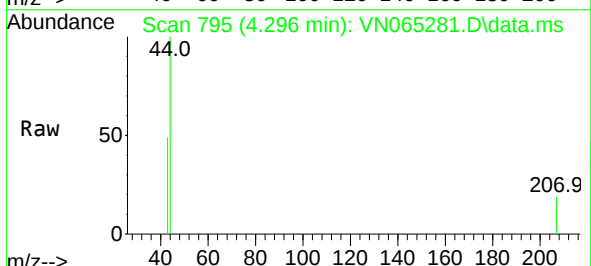
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

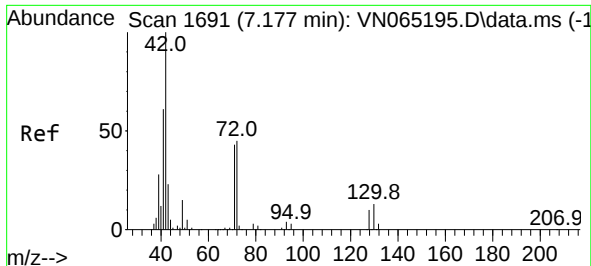
Tgt Ion: 43 Resp: 166  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.7 38.5#



#18  
Methyl Acetate  
Concen: 0.63 ug/l  
RT: 4.296 min Scan# 795  
Delta R.T. 0.009 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

Tgt Ion: 43 Resp: 1599  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.2 30.2#





#29

Tetrahydrofuran

Concen: 0.45 ug/l

RT: 7.184 min Scan# 1693

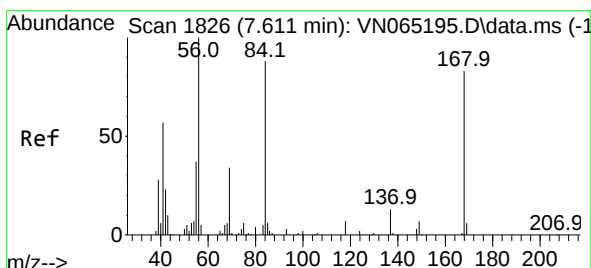
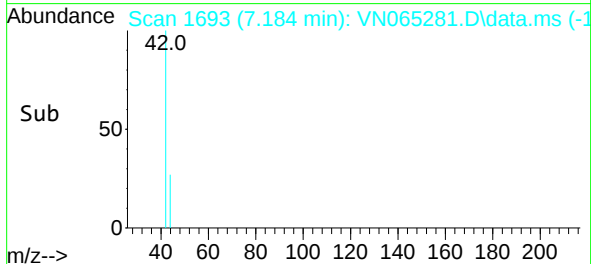
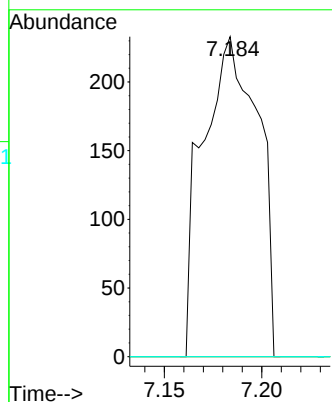
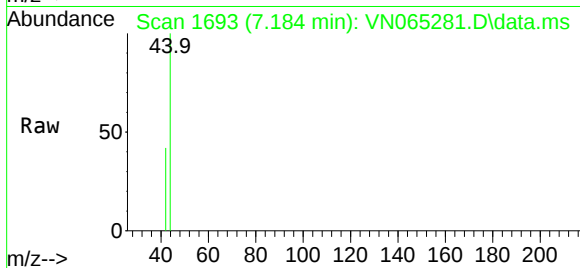
Delta R.T. 0.007 min

Lab File: VN065281.D

Acq: 28 Dec 2020 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

|             |                |
|-------------|----------------|
| Tgt Ion: 42 | Resp: 458      |
| Ion Ratio   | Lower Upper    |
| 42          | 100            |
| 72          | 0.0 36.6 54.8# |
| 71          | 0.0 33.6 50.4# |



#31

Cyclohexane

Concen: 1.02 ug/l

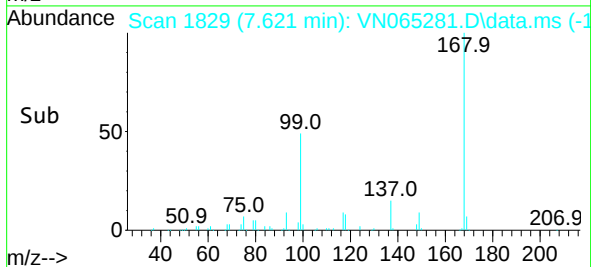
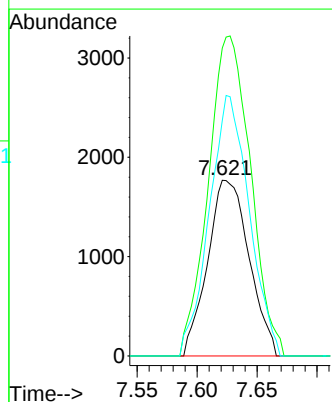
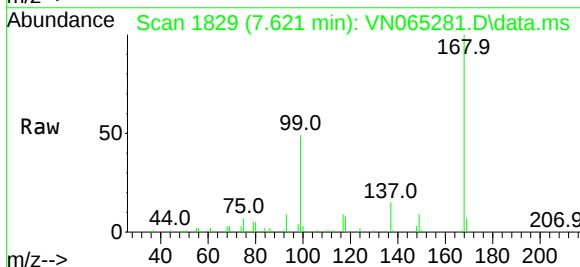
RT: 7.621 min Scan# 1829

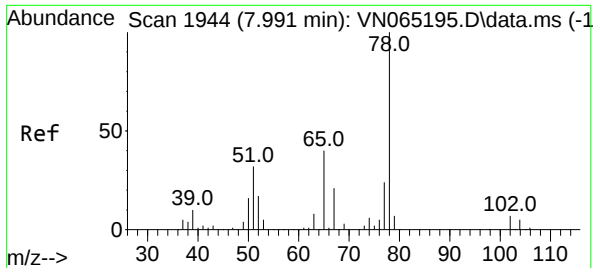
Delta R.T. 0.010 min

Lab File: VN065281.D

Acq: 28 Dec 2020 13:12

|             |                   |
|-------------|-------------------|
| Tgt Ion: 56 | Resp: 4253        |
| Ion Ratio   | Lower Upper       |
| 56          | 100               |
| 69          | 175.2 27.5 41.3#  |
| 84          | 133.9 73.9 110.9# |

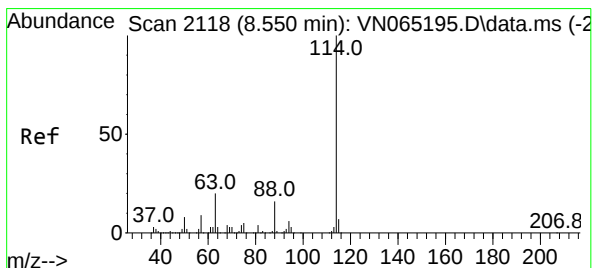
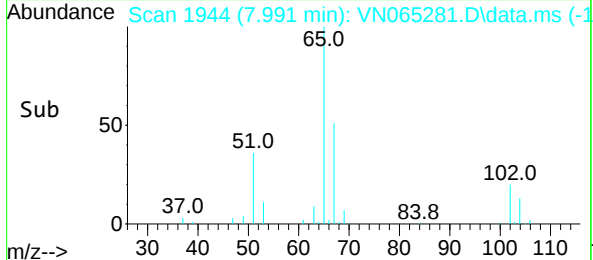
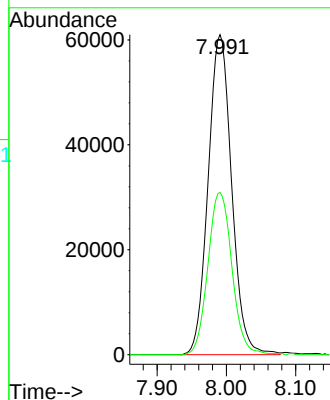
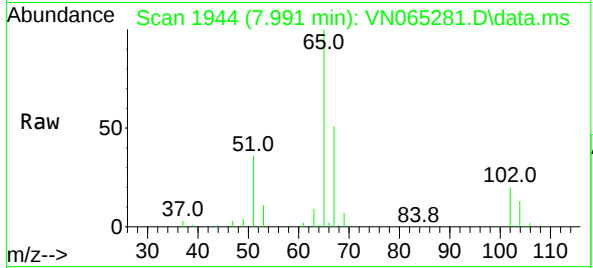




#33  
1,2-Dichloroethane-d4  
Concen: 50.89 ug/l  
RT: 7.991 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

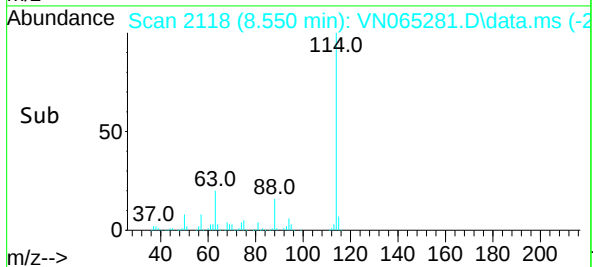
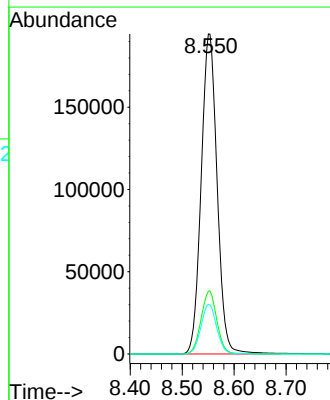
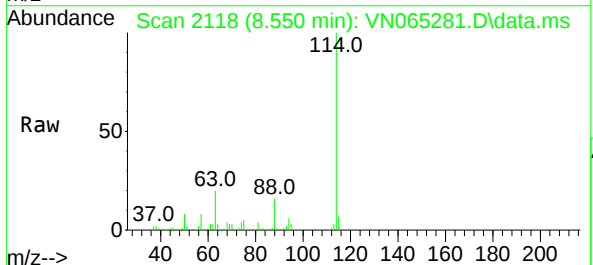
Instrument :  
MSVOA\_N  
ClientSampled :  
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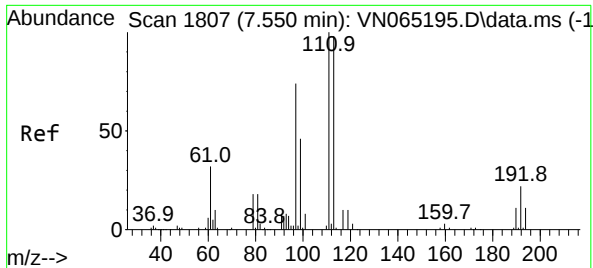
Tgt Ion: 65 Resp: 143707  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 108.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

Tgt Ion: 114 Resp: 413956  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 38.6  
88 15.5 0.0 32.6

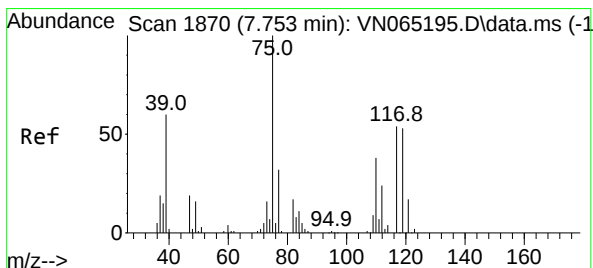
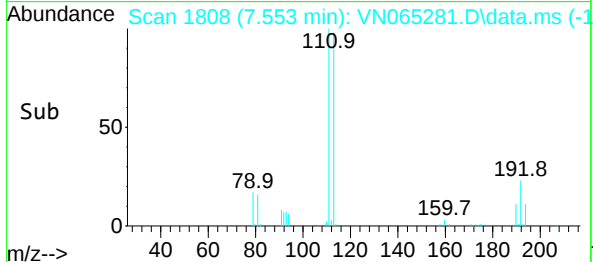
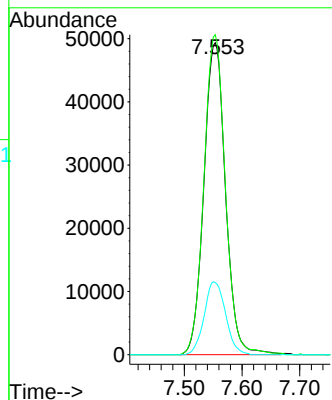
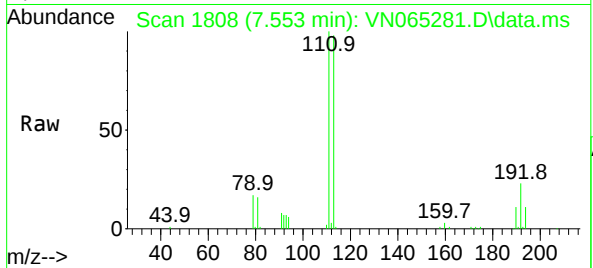




#35  
Dibromofluoromethane  
Concen: 51.47 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

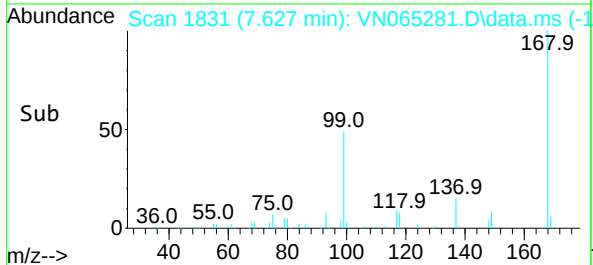
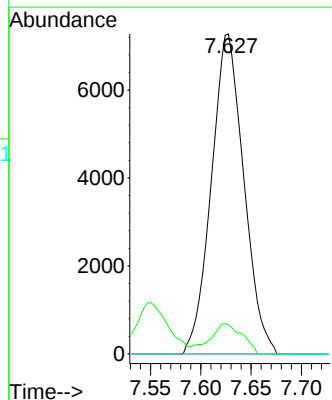
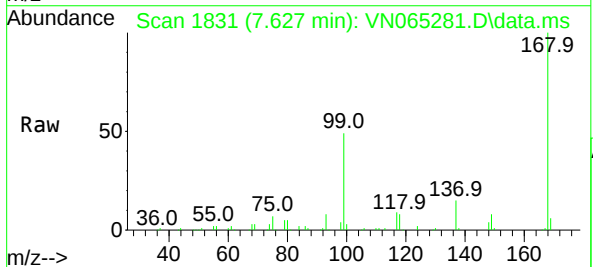
Instrument :  
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ClientSampleId :  
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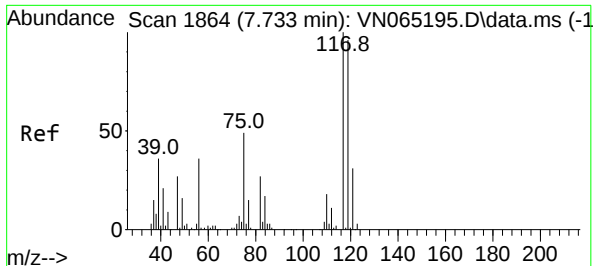
Tgt Ion:113 Resp: 128539  
Ion Ratio Lower Upper  
113 100  
111 101.7 81.6 122.4  
192 23.1 16.2 24.2



#36  
1,1-Dichloropropene  
Concen: 4.34 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.126 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

Tgt Ion: 75 Resp: 16322  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.8 53.3#  
77 0.0 25.0 37.4#

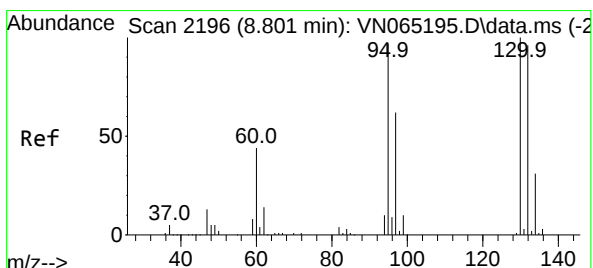
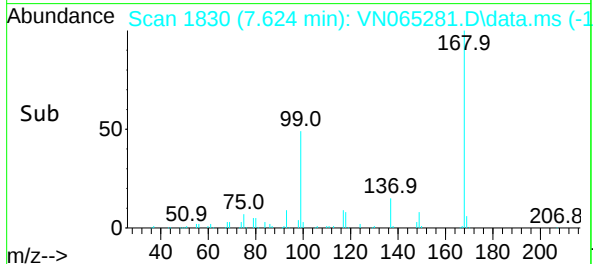
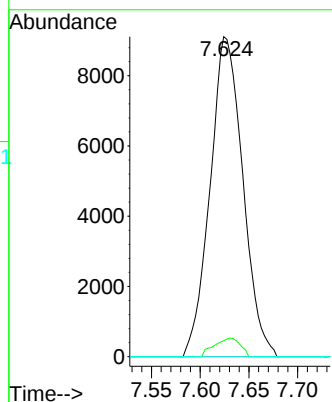
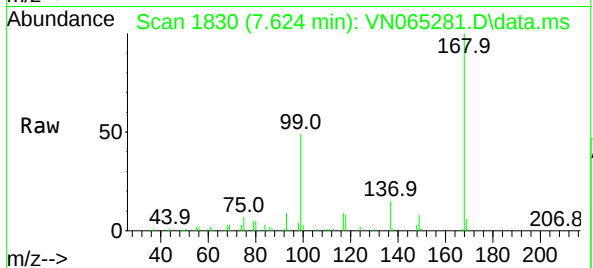




#38  
Carbon Tetrachloride  
Concen: 5.39 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.109 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

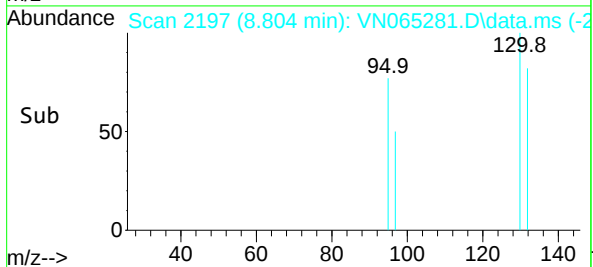
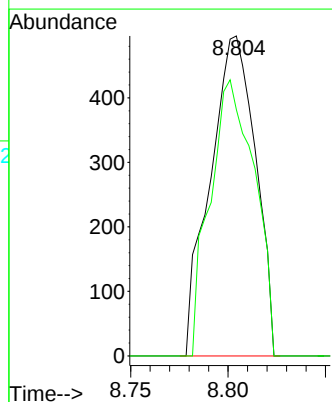
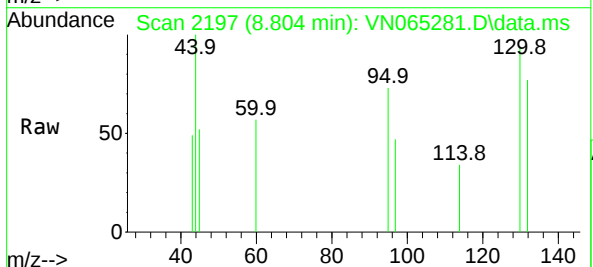
Instrument :  
MSVOA\_N  
ClientSampleId :  
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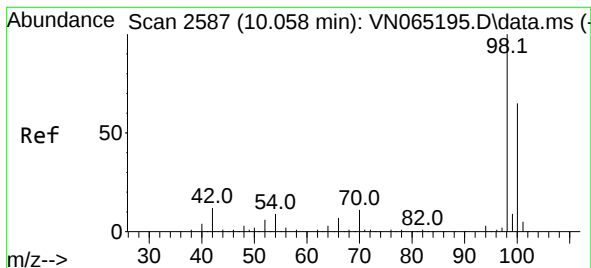
Tgt Ion:117 Resp: 21297  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.7 115.1#  
121 0.0 25.4 38.2#



#44  
Trichloroethene  
Concen: 0.25 ug/l  
RT: 8.804 min Scan# 2197  
Delta R.T. 0.003 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

Tgt Ion:130 Resp: 805  
Ion Ratio Lower Upper  
130 100  
95 77.0 0.0 197.8

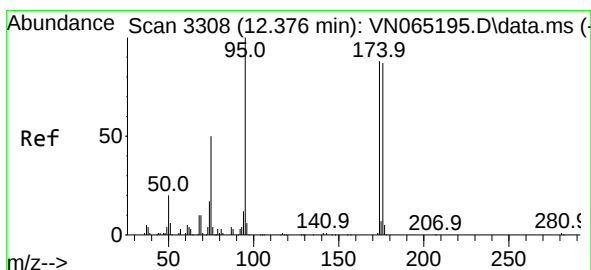
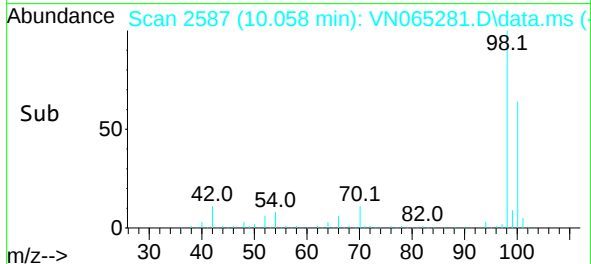
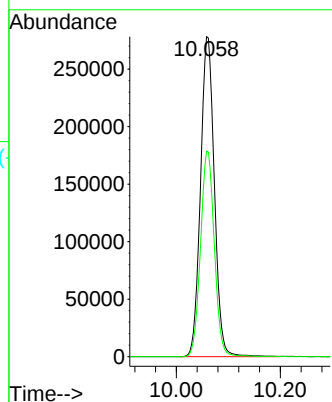
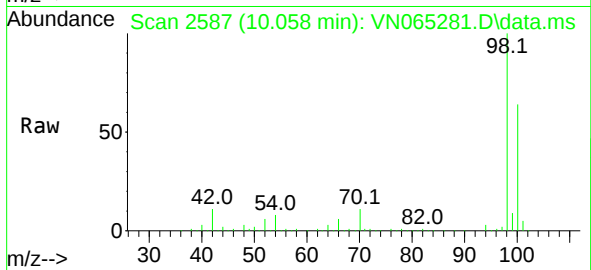




#50  
Toluene-d8  
Concen: 54.99 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

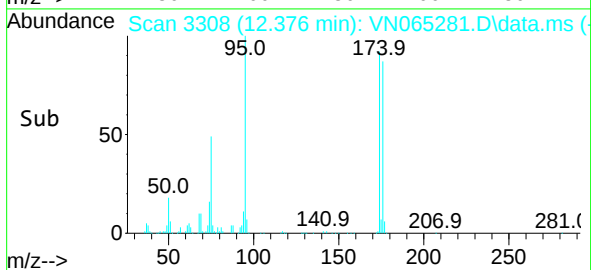
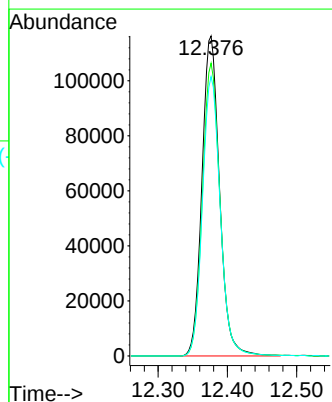
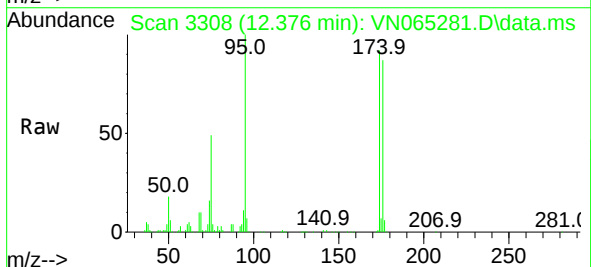
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

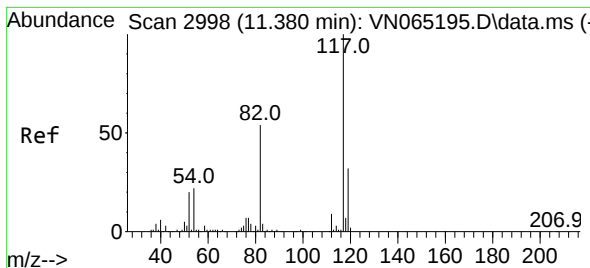
Tgt Ion: 98 Resp: 514748  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 54.80 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

Tgt Ion: 95 Resp: 204877  
Ion Ratio Lower Upper  
95 100  
174 91.7 0.0 160.4  
176 88.3 0.0 158.4

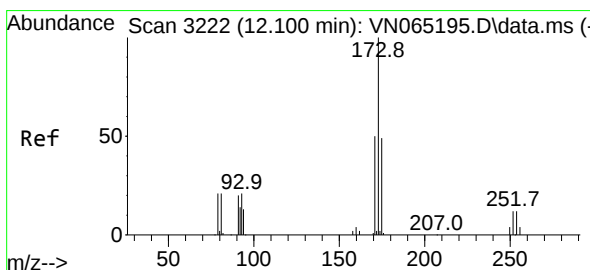
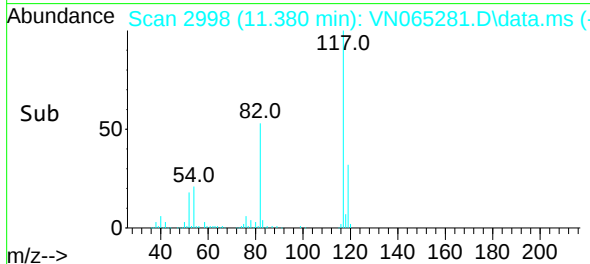
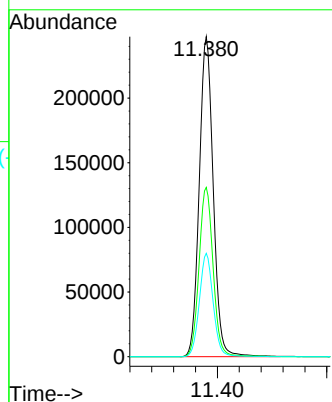
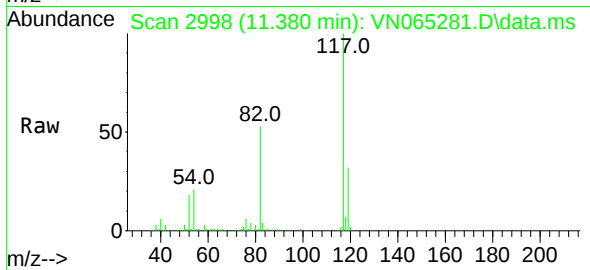




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. -0.000 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

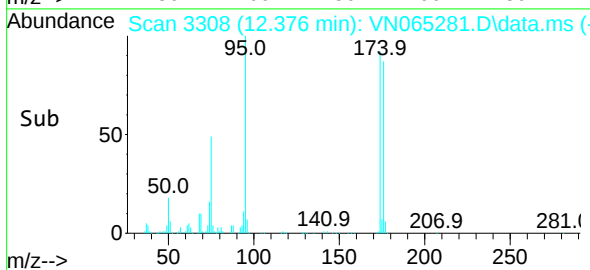
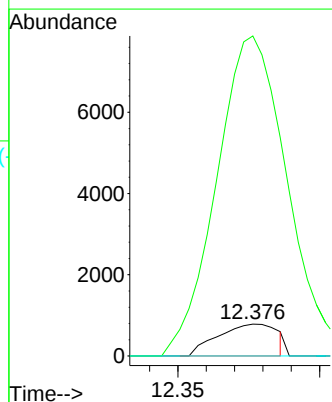
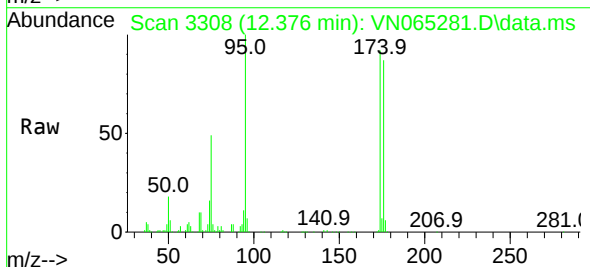
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ClientSampleId :  
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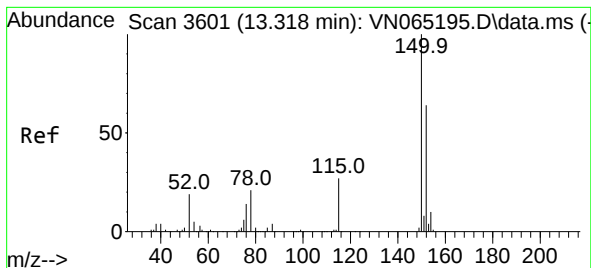
Tgt Ion:117 Resp: 438164  
Ion Ratio Lower Upper  
117 100  
82 52.9 44.2 66.2  
119 32.3 25.8 38.6



#71  
Bromoform  
Concen: 0.38 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.276 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

Tgt Ion:173 Resp: 1147  
Ion Ratio Lower Upper  
173 100  
175 991.5 24.3 72.8#  
254 0.0 0.0 0.0

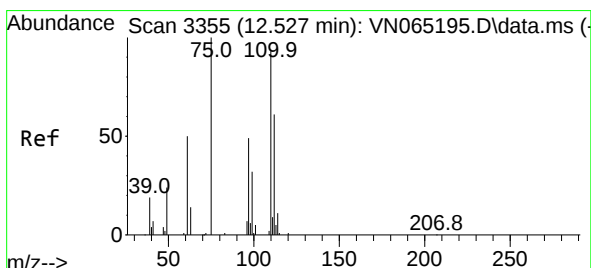
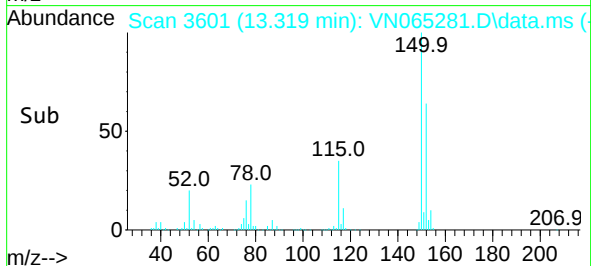
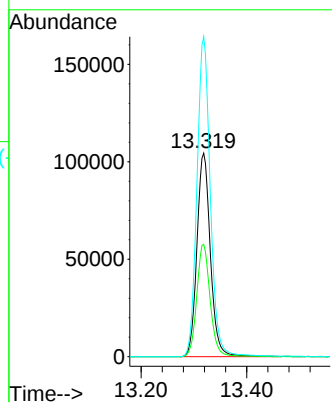
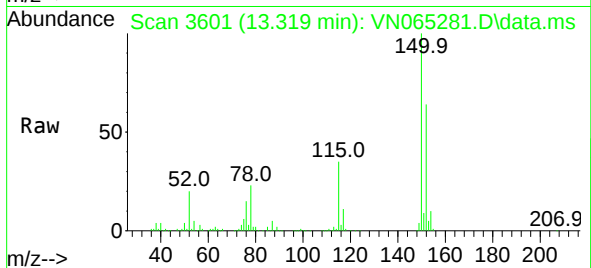




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.319 min Scan# 3601  
Delta R.T. 0.001 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

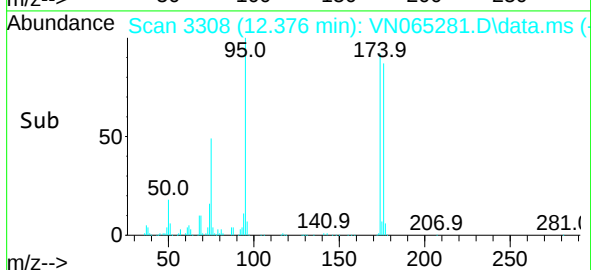
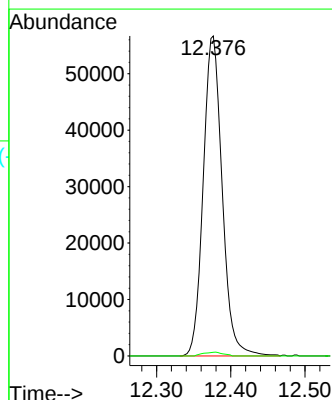
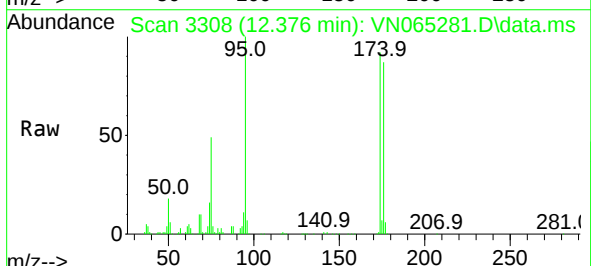
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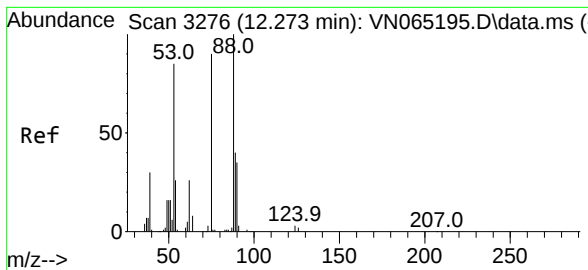
Tgt Ion:152 Resp: 184562  
Ion Ratio Lower Upper  
152 100  
115 54.6 29.7 89.1  
150 156.0 0.0 350.6



#76  
1,2,3-Trichloropropane  
Concen: 26.62 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. -0.151 min  
Lab File: VN065281.D  
Acq: 28 Dec 2020 13:12

Tgt Ion: 75 Resp: 100242  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 67.13 ug/l  
 RT: 12.376 min Scan# 3308  
 Delta R.T. 0.103 min  
 Lab File: VN065281.D  
 Acq: 28 Dec 2020 13:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRIP-BLANK

Tgt Ion: 75 Resp: 100242  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 67.0 100.4#  
 89 0.0 39.6 59.4#

