

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010421\  
 Data File : VN065368.D  
 Acq On : 4 Jan 2021 10:46  
 Operator : JC/MD  
 Sample : VN0104MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0104MBL01

Quant Time: Jan 05 00:55:37 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

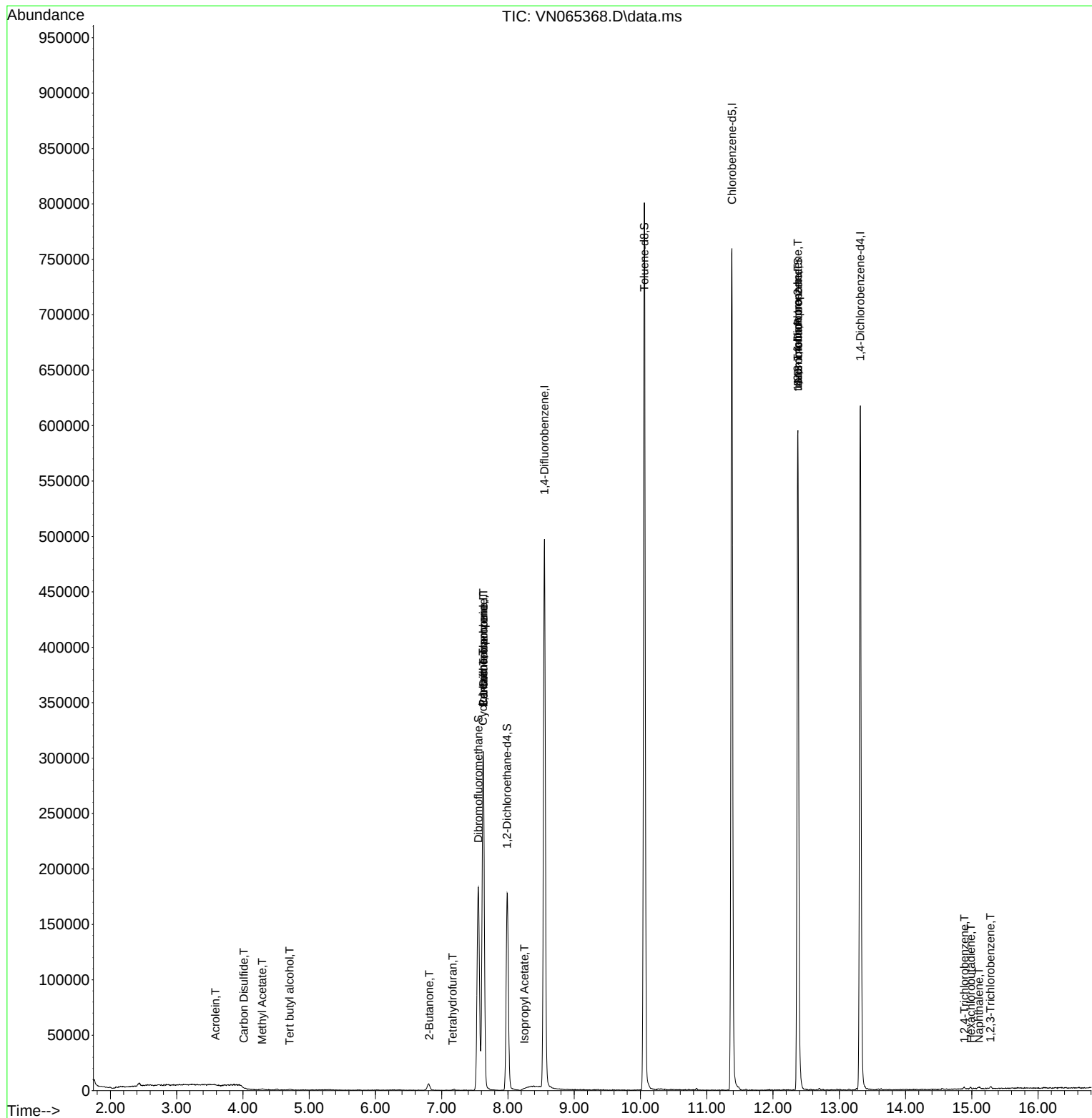
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.627          | 168  | 280630     | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 474727     | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.379         | 117  | 491957     | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.318         | 152  | 193417     | 50.00     | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.987          | 65   | 155547     | 49.10     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 98.20%    |        |          |
| 35) Dibromofluoromethane      | 7.553          | 113  | 144610     | 50.49     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 100.98%   |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 589127     | 54.88     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 109.76%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.376         | 95   | 215646     | 50.72     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 101.44%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.704          | 59   | 438        | 0.84      | ug/l # | 73       |
| 13) Acrolein                  | 3.586          | 56   | 323        | 3.32      | ug/l # | 1        |
| 16) Acetone                   | 3.788          | 43   | 795        | Below Cal | #      | 43       |
| 17) Carbon Disulfide          | 4.013          | 76   | 1555       | 0.22      | ug/l # | 75       |
| 18) Methyl Acetate            | 4.290          | 43   | 2171       | 0.76      | ug/l # | 56       |
| 25) 2-Butanone                | 6.810          | 43   | 370        | 0.21      | ug/l # | 49       |
| 29) Tetrahydrofuran           | 7.164          | 42   | 240        | 0.21      | ug/l # | 32       |
| 31) Cyclohexane               | 7.621          | 56   | 4325       | 0.92      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.627          | 75   | 17903      | 4.15      | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.627          | 117  | 23187      | 5.11      | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.248          | 43   | 1871       | 0.25      | ug/l # | 59       |
| 71) Bromoform                 | 12.376         | 173  | 1400       | 0.42      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.373         | 75   | 103658     | 26.27     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373         | 75   | 103658     | 66.24     | ug/l # | 15       |
| 93) 1,2,4-Trichlorobenzene    | 14.891         | 180  | 799        | 3.03      | ug/l   | 80       |
| 94) Hexachlorobutadiene       | 14.987         | 225  | 649        | 0.27      | ug/l   | 87       |
| 95) Naphthalene               | 15.109         | 128  | 2641       | 3.62      | ug/l # | 72       |
| 96) 1,2,3-Trichlorobenzene    | 15.283         | 180  | 1067       | 3.50      | ug/l # | 77       |
| -----                         |                |      |            |           |        |          |

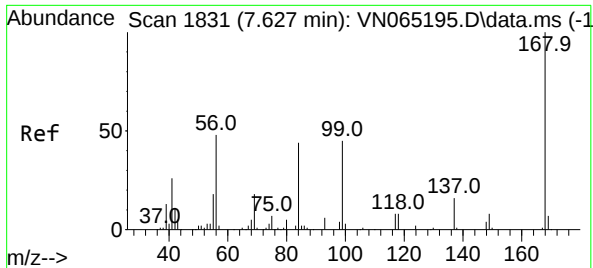
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0104MBL01  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Tue Dec 22 15:42:18 2020  
Response via : Initial Calibration

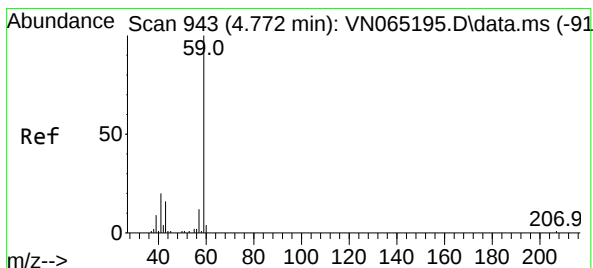
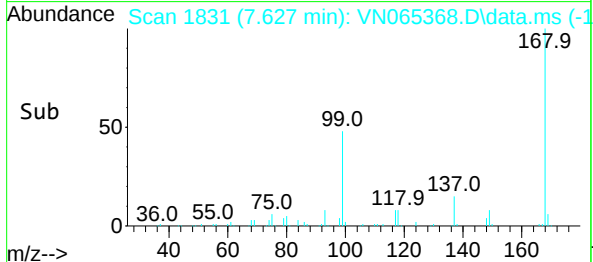
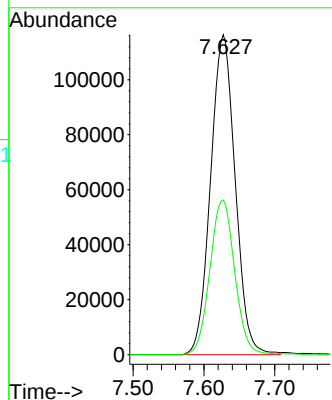
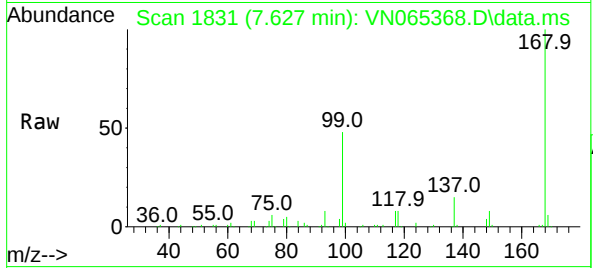




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.000 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

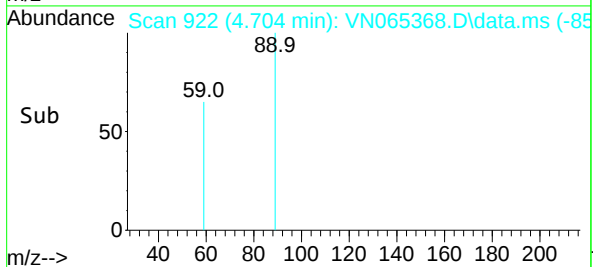
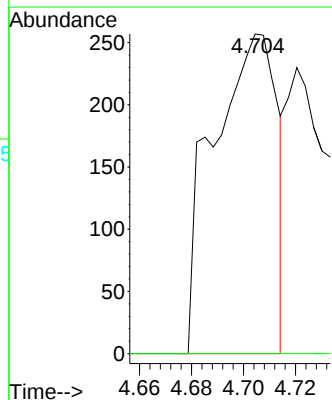
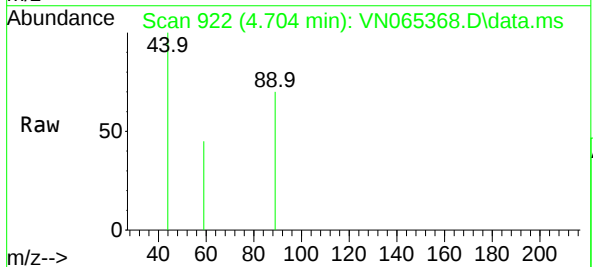
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104MBL01

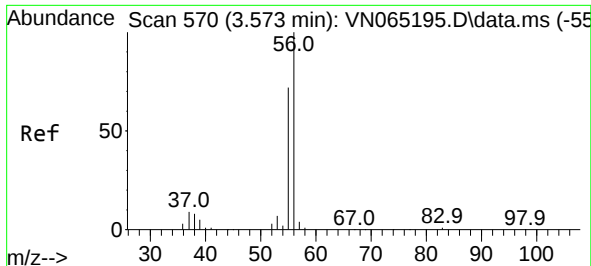
Tgt Ion:168 Resp: 280630  
Ion Ratio Lower Upper  
168 100  
99 48.4 43.0 64.4



#11  
Tert butyl alcohol  
Concen: 0.84 ug/l  
RT: 4.704 min Scan# 922  
Delta R.T. -0.068 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Tgt Ion: 59 Resp: 438  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.9 11.9#

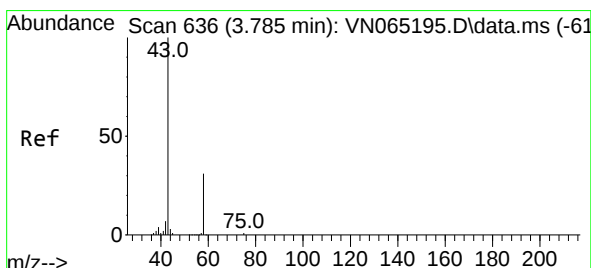
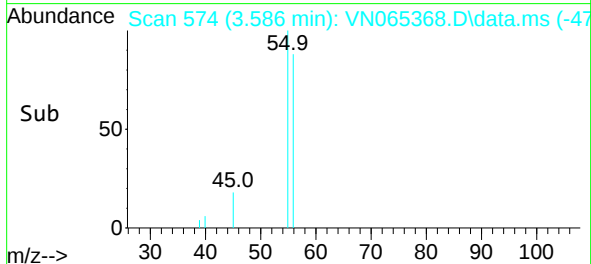
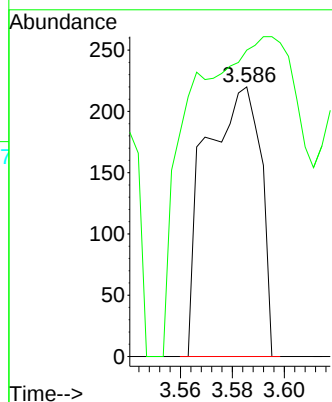
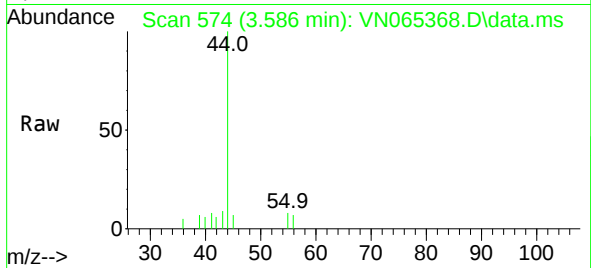




#13  
Acrolein  
Concen: 3.32 ug/l  
RT: 3.586 min Scan# 574  
Delta R.T. 0.013 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

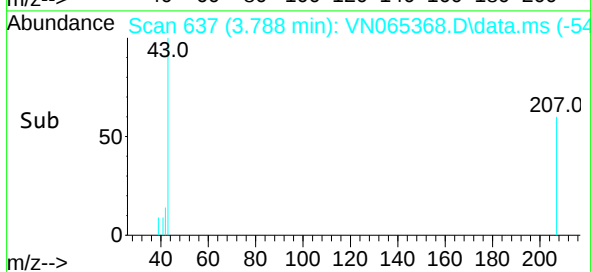
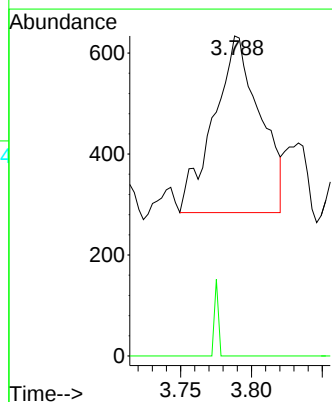
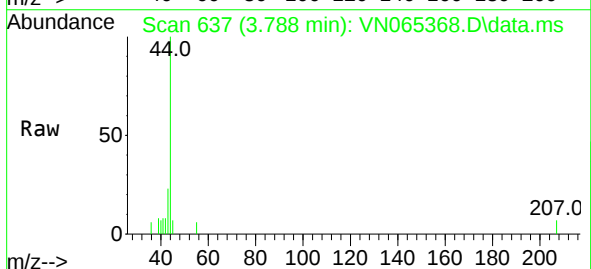
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104MBL01

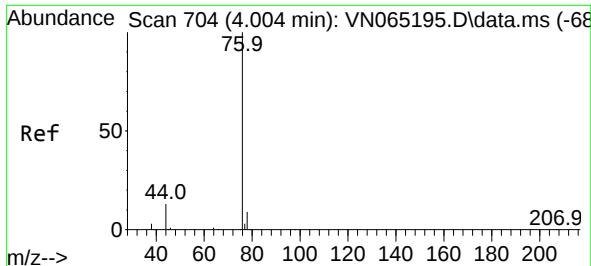
Tgt Ion: 56 Resp: 323  
Ion Ratio Lower Upper  
56 100  
55 239.0 56.5 84.7#



#16  
Acetone  
Concen: Below Cal  
RT: 3.788 min Scan# 637  
Delta R.T. 0.003 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Tgt Ion: 43 Resp: 795  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.7 38.5#

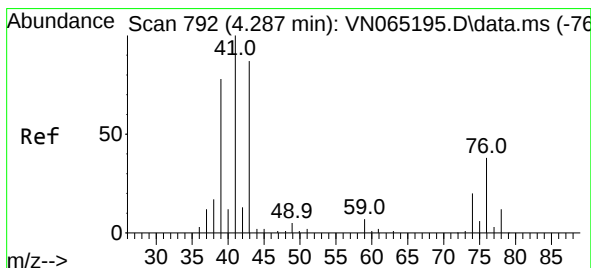
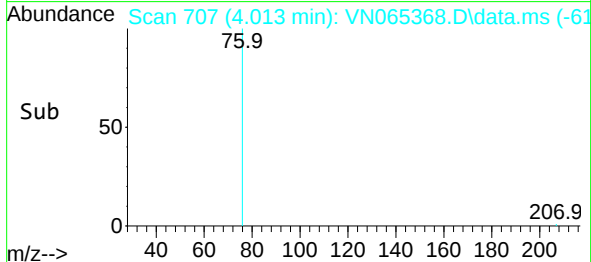
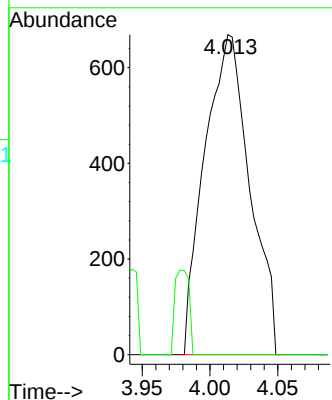
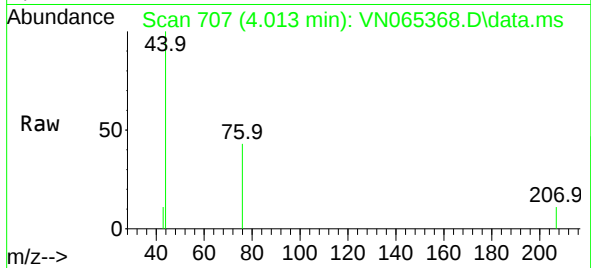




#17  
Carbon Disulfide  
Concen: 0.22 ug/l  
RT: 4.013 min Scan# 707  
Delta R.T. 0.009 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

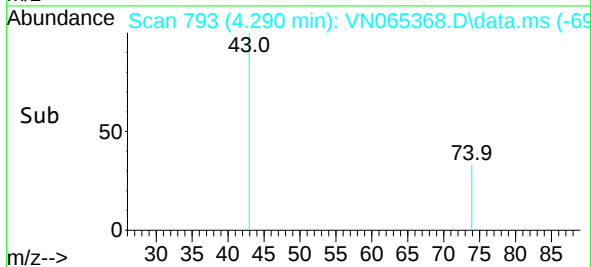
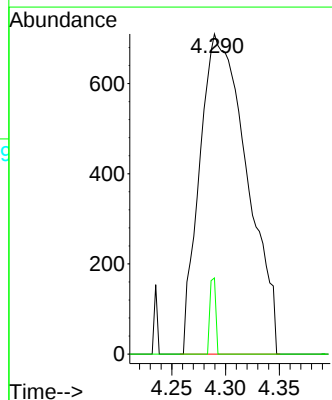
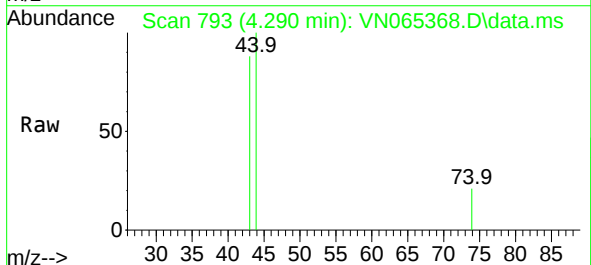
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104MBL01

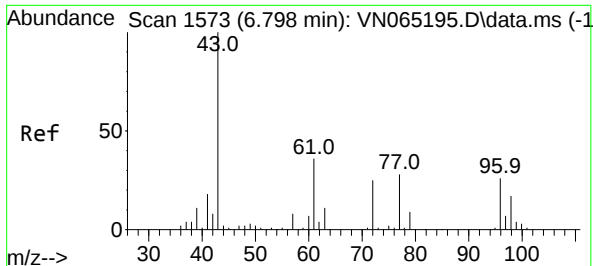
Tgt Ion: 76 Resp: 1555  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#



#18  
Methyl Acetate  
Concen: 0.76 ug/l  
RT: 4.290 min Scan# 793  
Delta R.T. 0.003 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Tgt Ion: 43 Resp: 2171  
Ion Ratio Lower Upper  
43 100  
74 2.9 20.2 30.2#

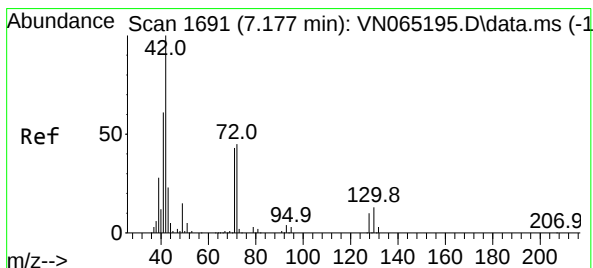
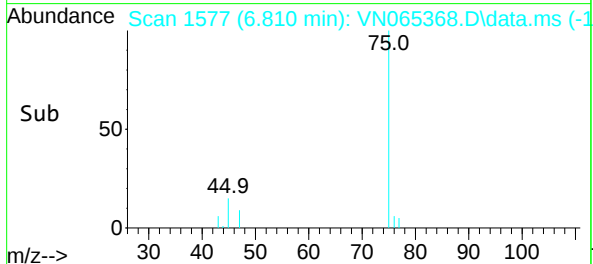
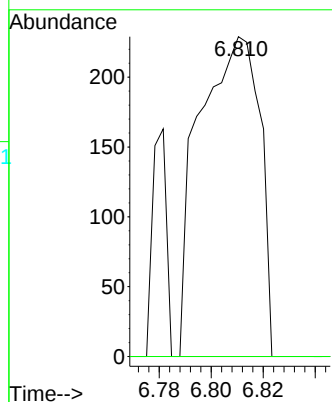
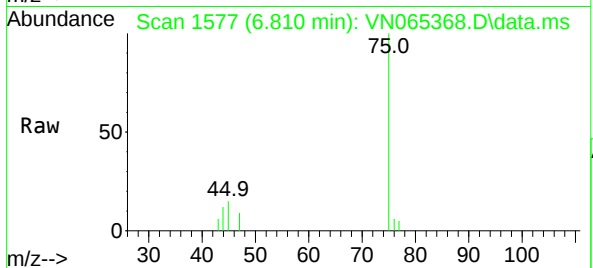




#25  
2-Butanone  
Concen: 0.21 ug/l  
RT: 6.810 min Scan# 1577  
Delta R.T. 0.012 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

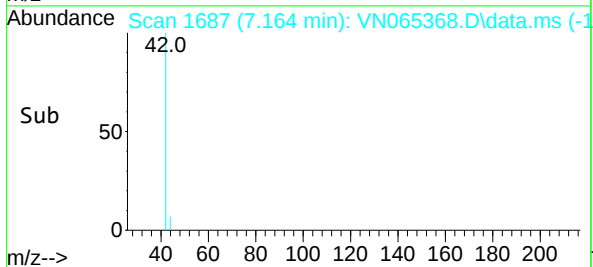
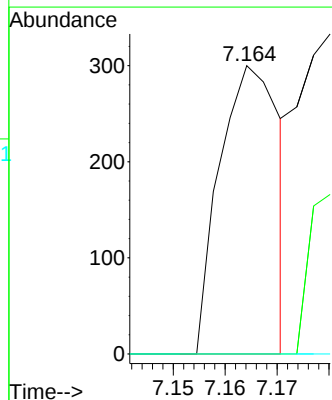
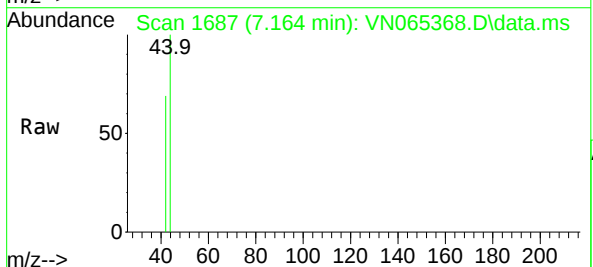
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104MBL01

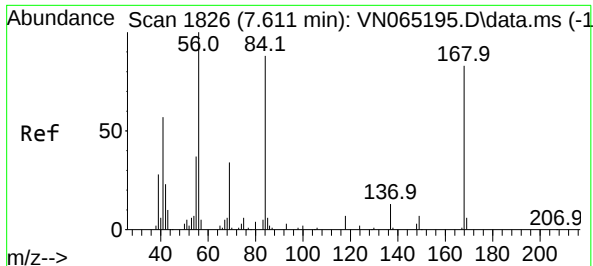
Tgt Ion: 43 Resp: 370  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.0 31.6#



#29  
Tetrahydrofuran  
Concen: 0.21 ug/l  
RT: 7.164 min Scan# 1687  
Delta R.T. -0.013 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Tgt Ion: 42 Resp: 240  
Ion Ratio Lower Upper  
42 100  
72 0.0 36.6 54.8#  
71 0.0 33.6 50.4#

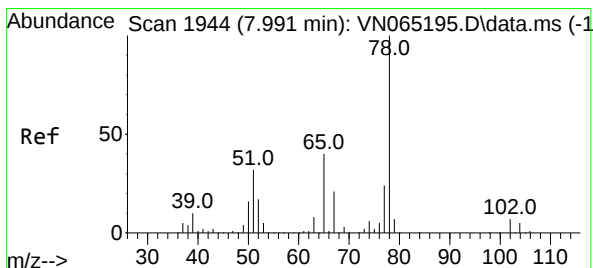
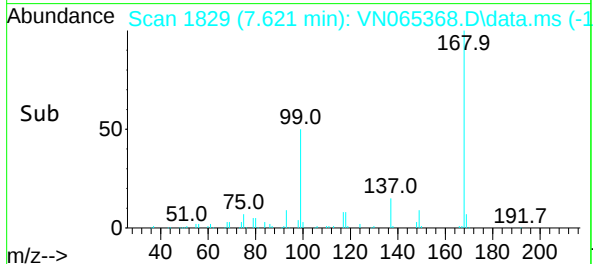
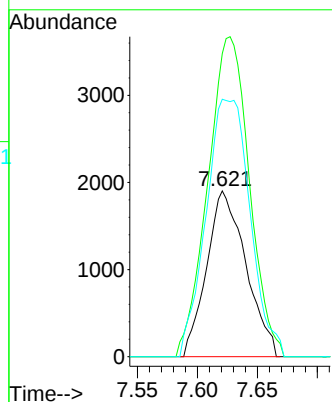
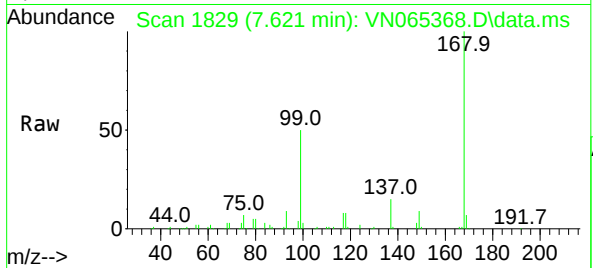




#31  
Cyclohexane  
Concen: 0.92 ug/l  
RT: 7.621 min Scan# 1829  
Delta R.T. 0.010 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

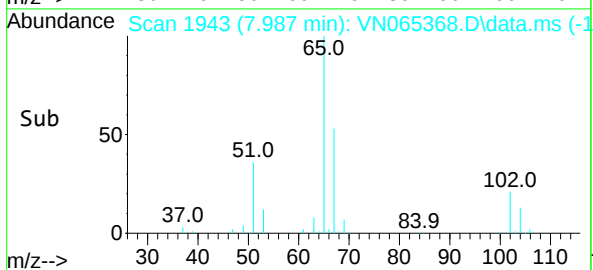
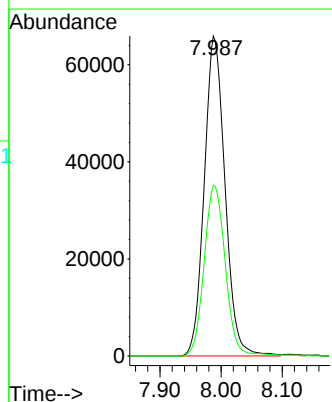
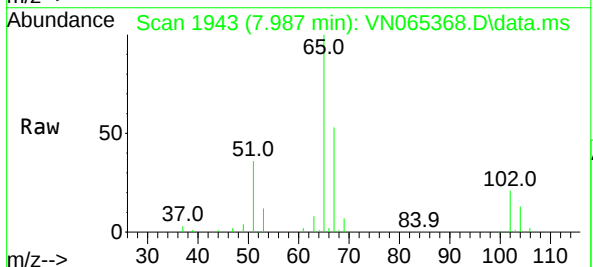
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0104MBL01

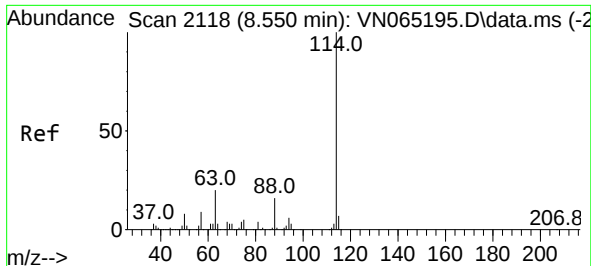
Tgt Ion: 56 Resp: 4325  
Ion Ratio Lower Upper  
56 100  
69 175.0 27.5 41.3#  
84 155.4 73.9 110.9#



#33  
1,2-Dichloroethane-d4  
Concen: 49.10 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. -0.004 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

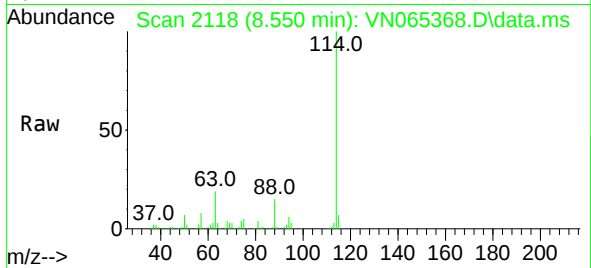
Tgt Ion: 65 Resp: 155547  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 108.2



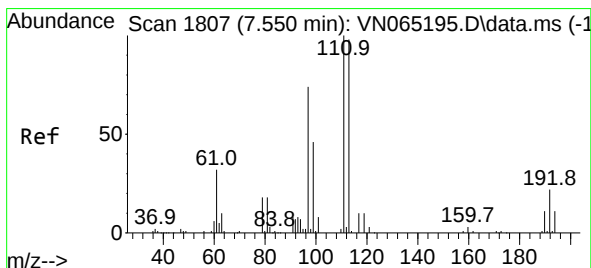
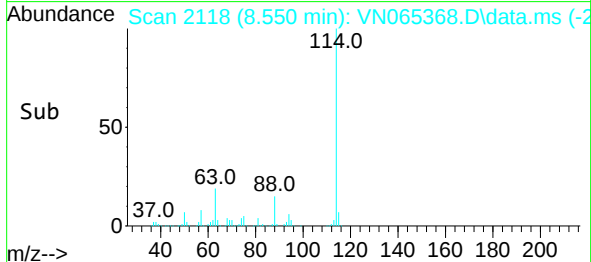
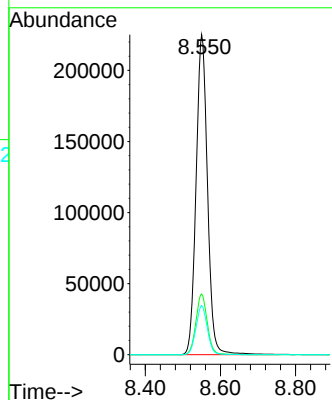


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. -0.000 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

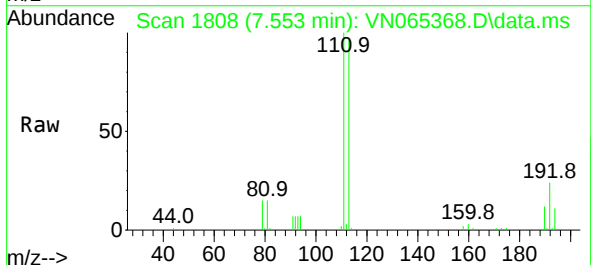
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104MBL01



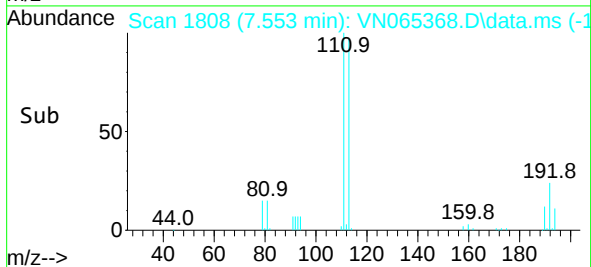
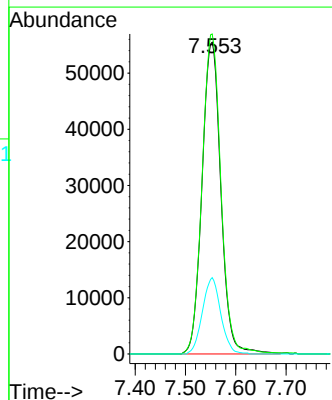
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Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 38.6  
88 15.4 0.0 32.6

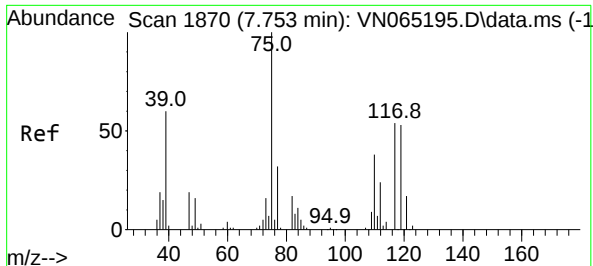


#35  
Dibromofluoromethane  
Concen: 50.49 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46



Tgt Ion:113 Resp: 144610  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.6 122.4  
192 23.8 16.2 24.2

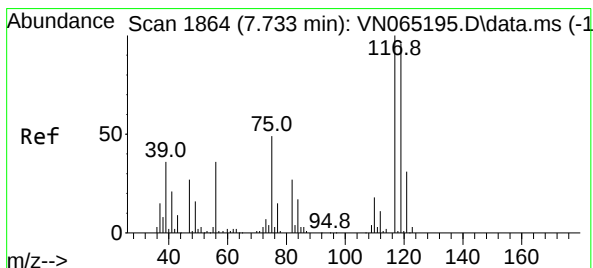
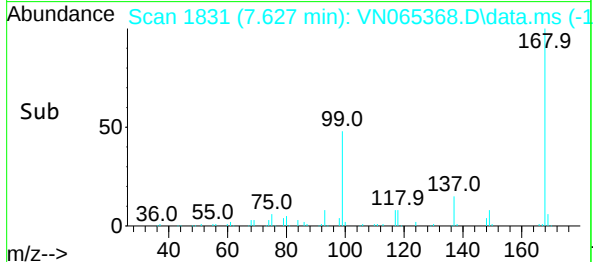
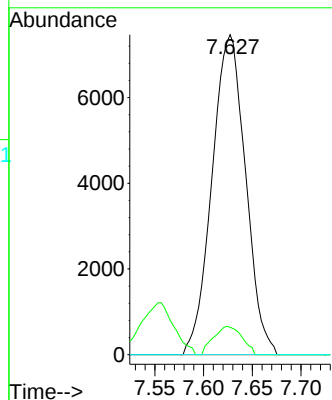
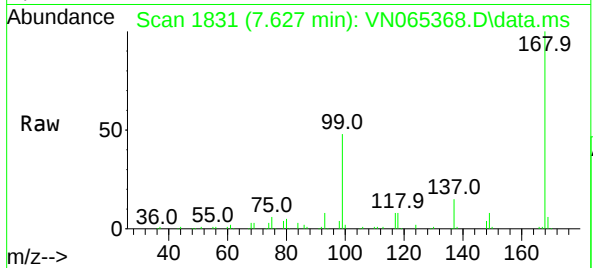




#36  
1,1-Dichloropropene  
Concen: 4.15 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.126 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

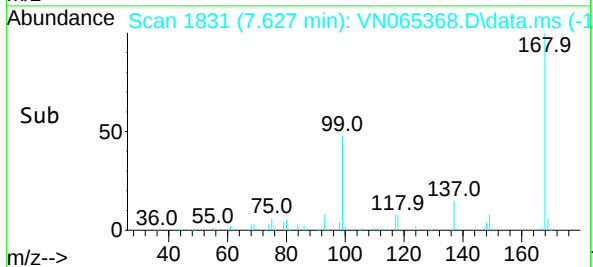
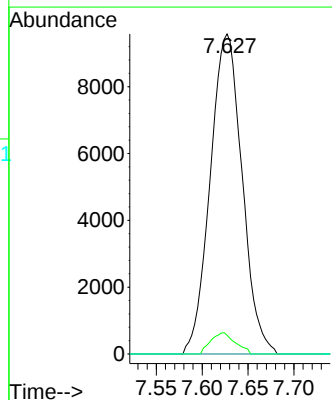
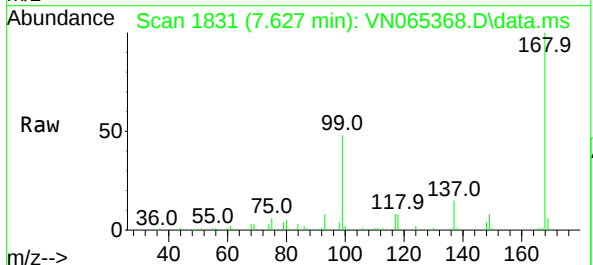
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0104MBL01

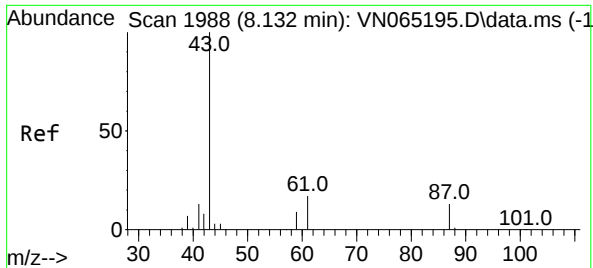
Tgt Ion: 75 Resp: 17903  
Ion Ratio Lower Upper  
75 100  
110 7.5 17.8 53.3#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 5.11 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.106 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Tgt Ion: 117 Resp: 23187  
Ion Ratio Lower Upper  
117 100  
119 5.8 76.7 115.1#  
121 0.0 25.4 38.2#

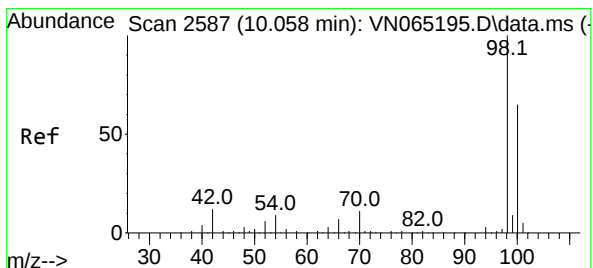
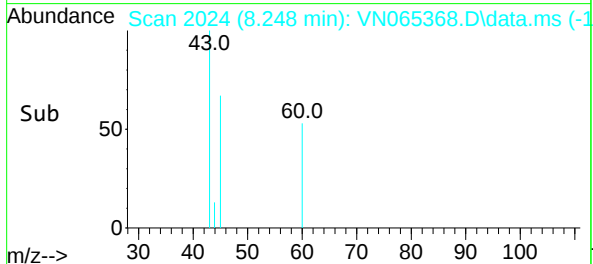
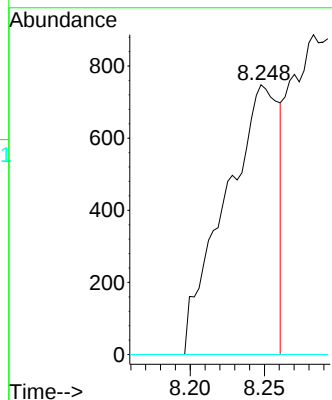
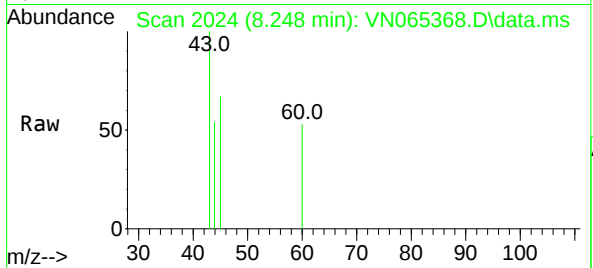




#43  
Isopropyl Acetate  
Concen: 0.25 ug/l  
RT: 8.248 min Scan# 2024  
Delta R.T. 0.116 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

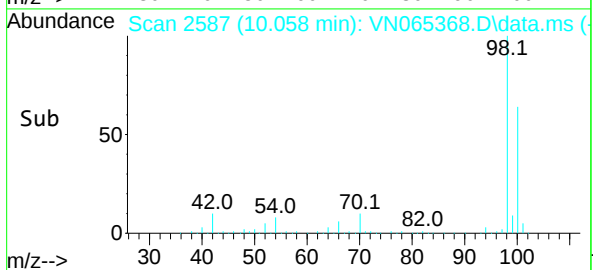
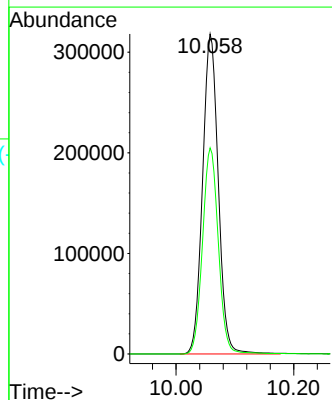
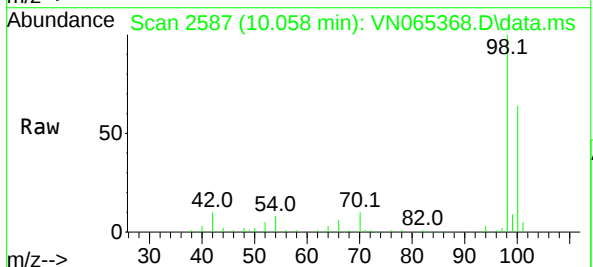
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104MBL01

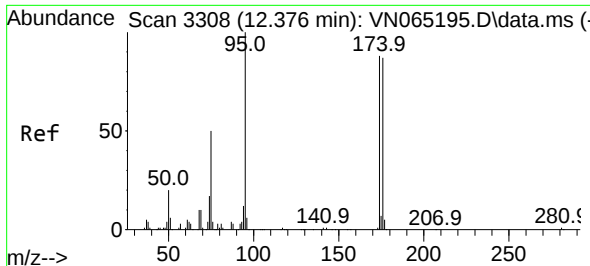
Tgt Ion: 43 Resp: 1871  
Ion Ratio Lower Upper  
43 100  
61 0.0 17.2 25.8#  
87 0.0 11.4 17.0#



#50  
Toluene-d8  
Concen: 54.88 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. -0.000 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Tgt Ion: 98 Resp: 589127  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.7 77.5

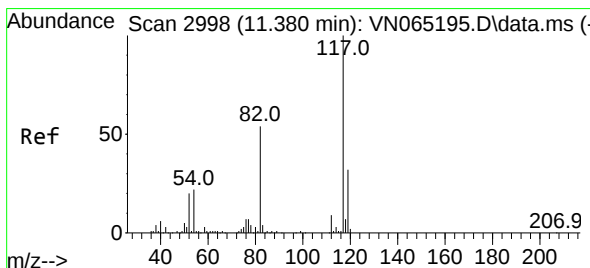
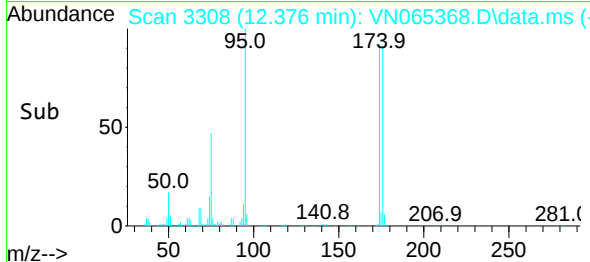
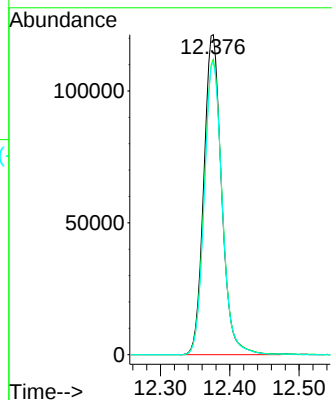
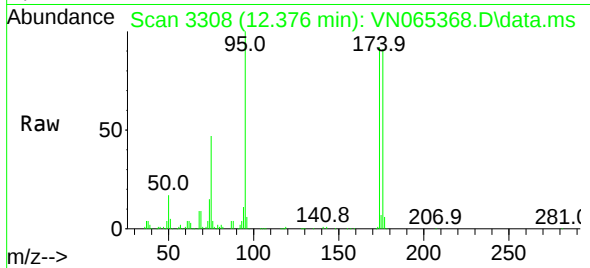




#62  
4-Bromofluorobenzene  
Concen: 50.72 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

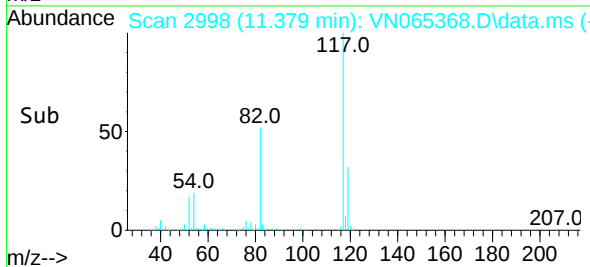
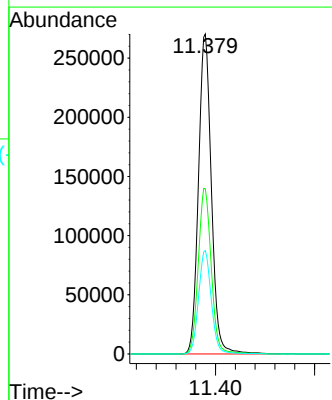
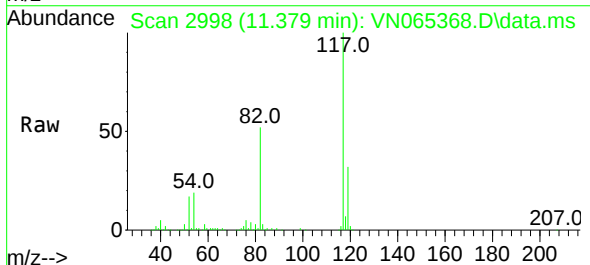
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104MBL01

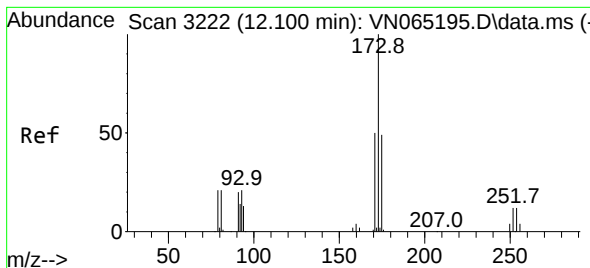
Tgt Ion: 95 Resp: 215646  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 160.4  
176 92.0 0.0 158.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.379 min Scan# 2998  
Delta R.T. -0.001 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Tgt Ion: 117 Resp: 491957  
Ion Ratio Lower Upper  
117 100  
82 51.6 44.2 66.2  
119 32.3 25.8 38.6





#71

Bromoform

Concen: 0.42 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.276 min

Lab File: VN065368.D

Acq: 4 Jan 2021 10:46

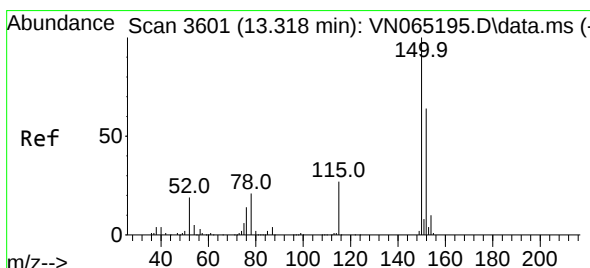
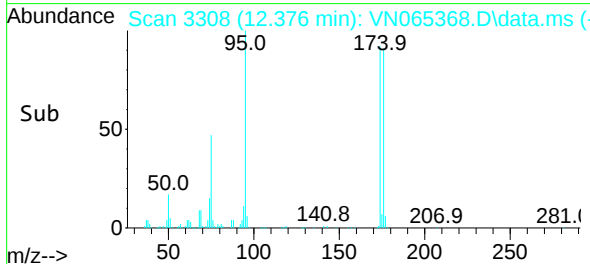
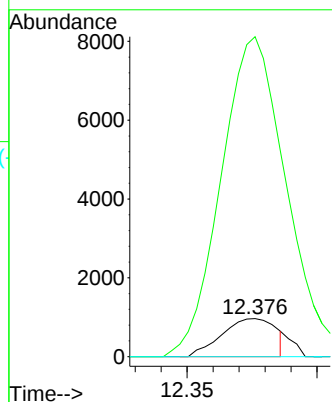
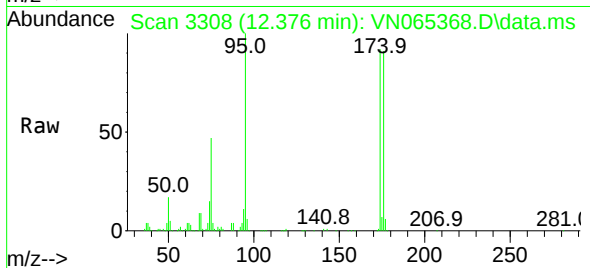
Tgt Ion:173 Resp: 1400

Ion Ratio Lower Upper

173 100

175 839.4 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: VN065368.D

Acq: 4 Jan 2021 10:46

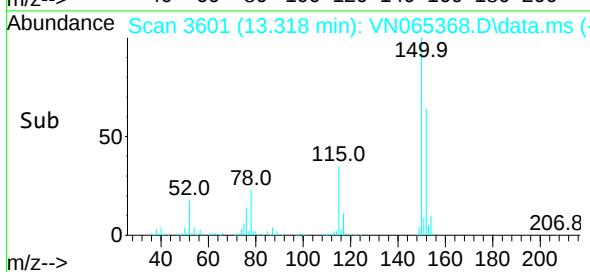
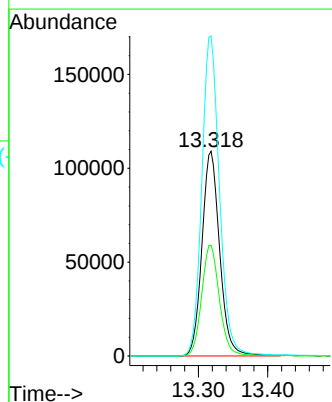
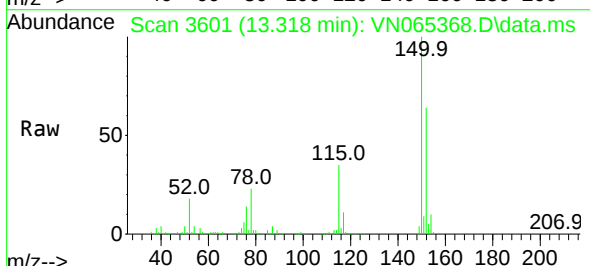
Tgt Ion:152 Resp: 193417

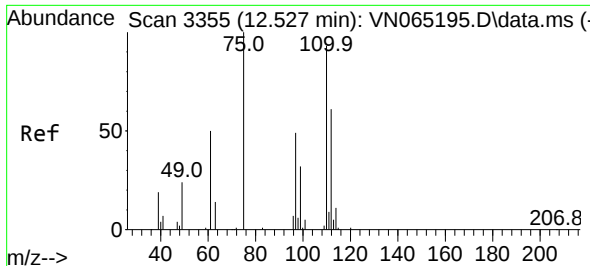
Ion Ratio Lower Upper

152 100

115 54.2 29.7 89.1

150 156.1 0.0 350.6

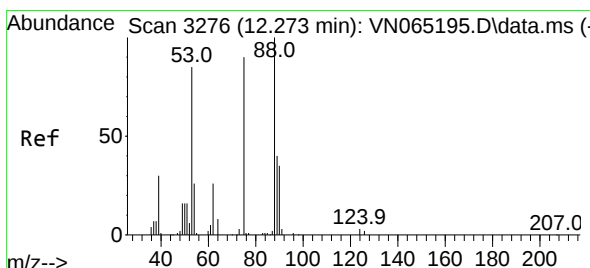
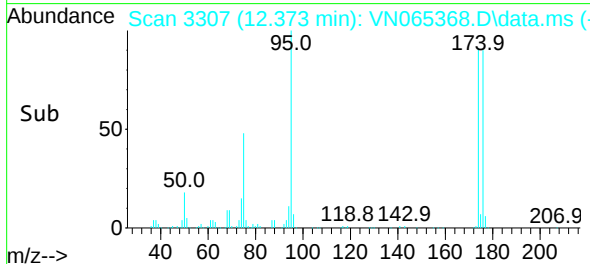
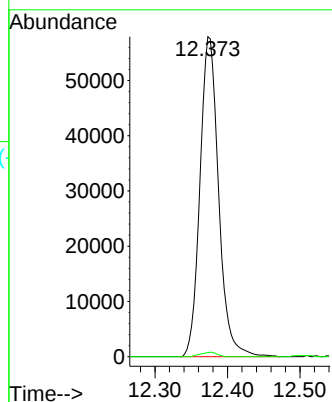
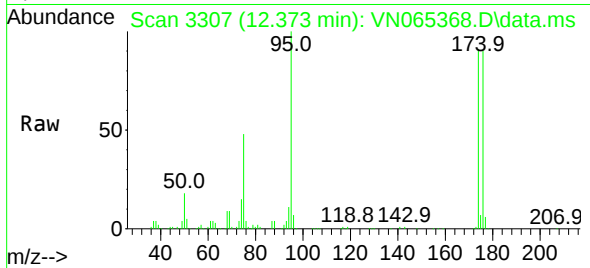




#76  
1,2,3-Trichloropropane  
Concen: 26.27 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.154 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

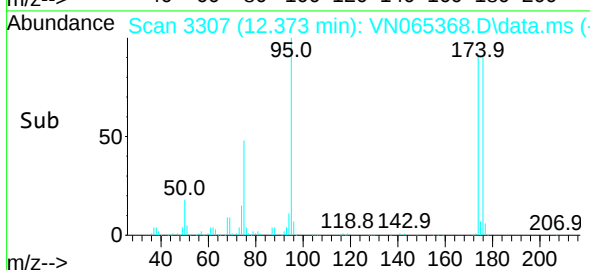
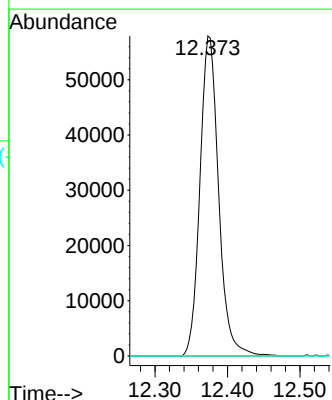
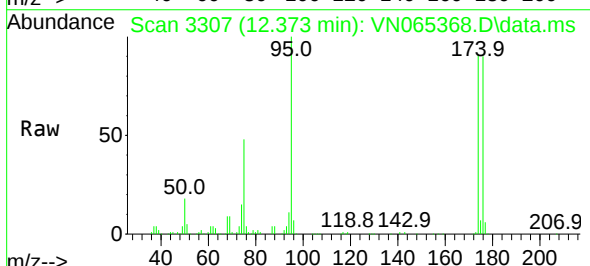
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104MBL01

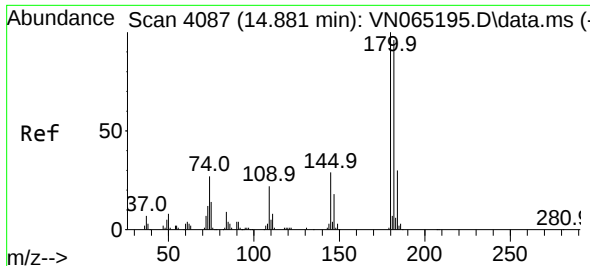
Tgt Ion: 75 Resp: 103658  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.24 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.100 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Tgt Ion: 75 Resp: 103658  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.0 100.4#  
89 0.0 39.6 59.4#

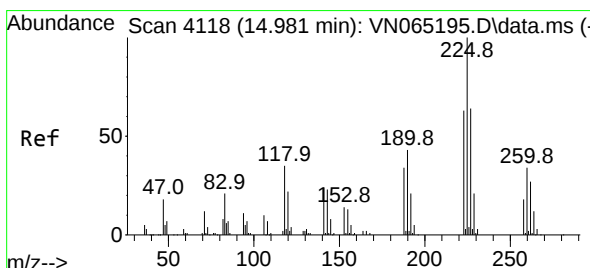
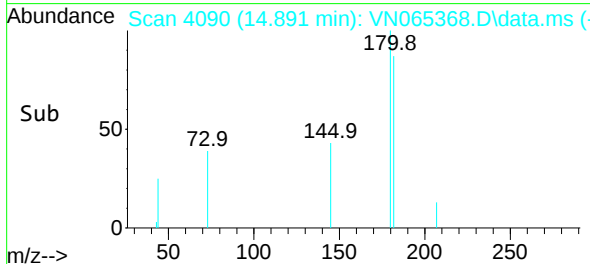
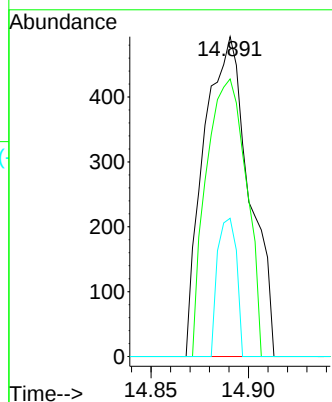
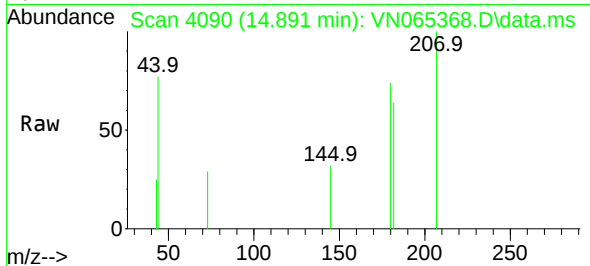




#93  
1,2,4-Trichlorobenzene  
Concen: 3.03 ug/l  
RT: 14.891 min Scan# 4090  
Delta R.T. 0.010 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

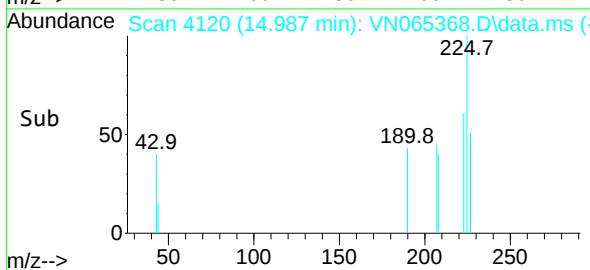
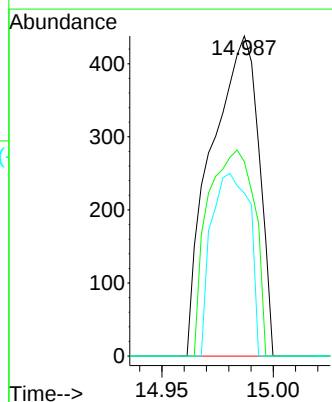
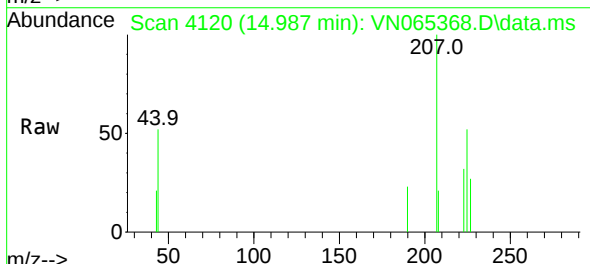
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104MBL01

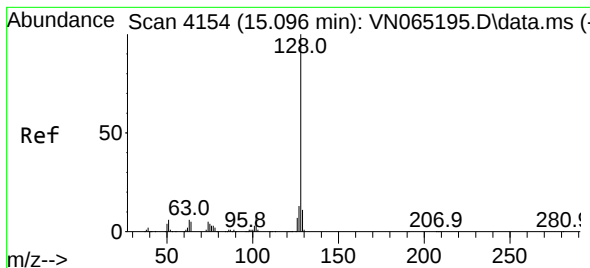
Tgt Ion:180 Resp: 799  
Ion Ratio Lower Upper  
180 100  
182 76.2 47.6 142.9  
145 18.0 15.3 45.8



#94  
Hexachlorobutadiene  
Concen: 0.27 ug/l  
RT: 14.987 min Scan# 4120  
Delta R.T. 0.006 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Tgt Ion:225 Resp: 649  
Ion Ratio Lower Upper  
225 100  
223 63.0 31.0 93.0  
227 45.6 32.0 96.0

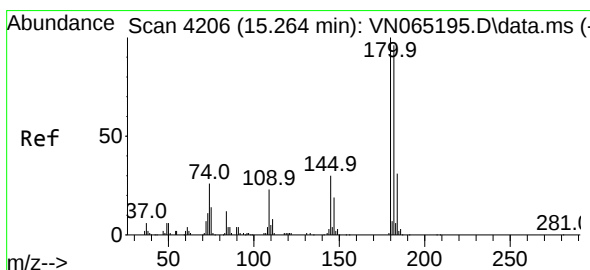
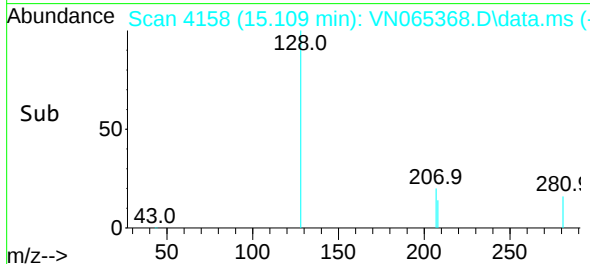
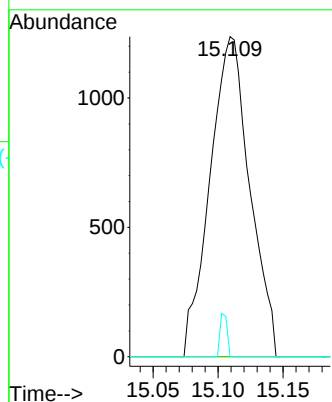
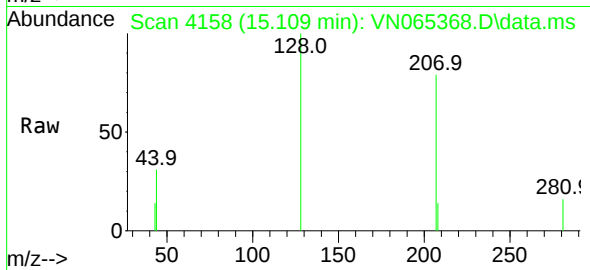




#95  
Naphthalene  
Concen: 3.62 ug/l  
RT: 15.109 min Scan# 4158  
Delta R.T. 0.013 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104MBL01

Tgt Ion:128 Resp: 2641  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 2.3 8.7 13.1#



#96  
1,2,3-Trichlorobenzene  
Concen: 3.50 ug/l  
RT: 15.283 min Scan# 4212  
Delta R.T. 0.019 min  
Lab File: VN065368.D  
Acq: 4 Jan 2021 10:46

Tgt Ion:180 Resp: 1067  
Ion Ratio Lower Upper  
180 100  
182 110.9 48.1 144.4  
145 5.6 16.4 49.1#

