

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121420\  
 Data File : VN065129.D  
 Acq On : 15 Dec 2020 3:21  
 Operator : JC/MD  
 Sample : L5085-10  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 15 06:45:33 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121420W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 15 05:41:47 2020  
 Response via : Initial Calibration

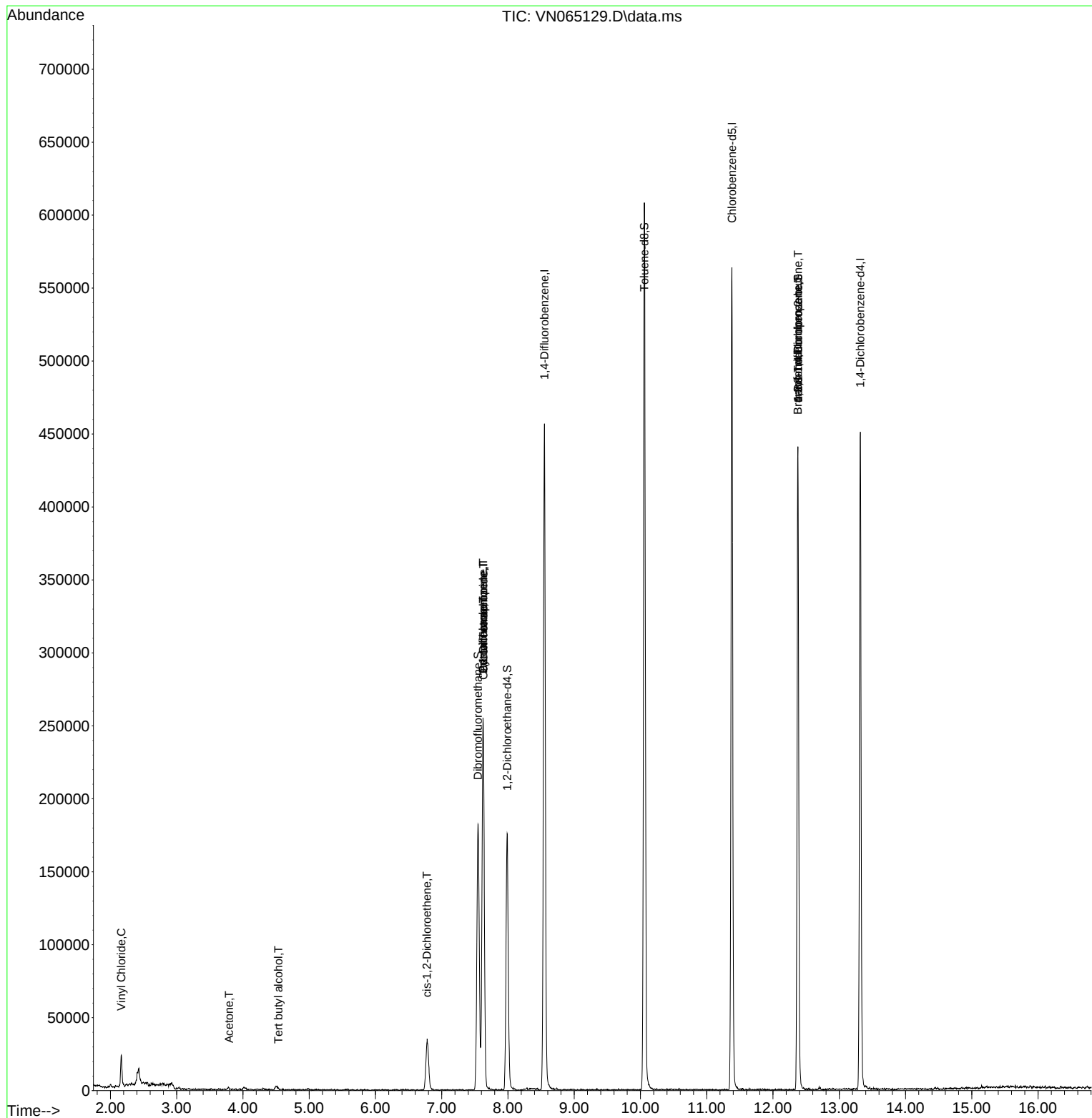
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.624          | 168  | 192930             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 380041             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.380         | 117  | 286263             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.318         | 152  | 112859             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.991          | 65   | 155803             | 70.24     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 140.48% |           |        |          |
| 35) Dibromofluoromethane      | 7.547          | 113  | 136030             | 51.49     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 102.98% |           |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 423810             | 45.37     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 90.74%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.376         | 95   | 134555             | 41.83     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 83.66%  |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
| 3) Chloromethane              | 2.039          | 50   | 642                | Below Cal | #      | 76       |
| 4) Vinyl Chloride             | 2.164          | 62   | 16526              | 9.23      | ug/l   | 97       |
| 5) Bromomethane               | 2.541          | 94   | 92                 | Below Cal |        | 93       |
| 11) Tert butyl alcohol        | 4.537          | 59   | 70                 | 0.30      | ug/l # | 73       |
| 16) Acetone                   | 3.788          | 43   | 2304               | 2.79      | ug/l # | 43       |
| 20) Methylene Chloride        | 4.508          | 84   | 151                | Below Cal | #      | 28       |
| 27) cis-1,2-Dichloroethene    | 6.778          | 96   | 21045              | 10.01     | ug/l   | 94       |
| 31) Cyclohexane               | 7.624          | 56   | 5541               | 1.84      | ug/l # | 33       |
| 36) 1,1-Dichloropropene       | 7.624          | 75   | 15976              | 4.40      | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.627          | 117  | 20991              | 5.01      | ug/l # | 14       |
| 71) Bromoform                 | 12.373         | 173  | 1076               | 0.59      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.376         | 75   | 83821              | 41.39     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.376         | 75   | 83821              | 115.17    | ug/l # | 15       |
| -----                         |                |      |                    |           |        |          |

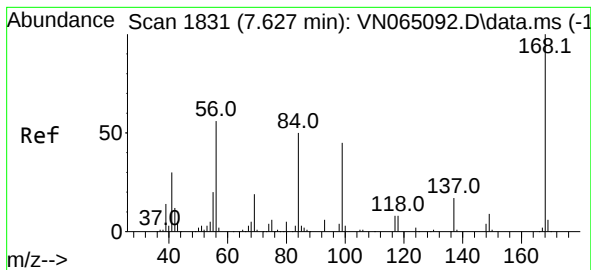
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121420\  
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Sample : L5085-10  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Dec 15 06:45:33 2020  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121420W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 15 05:41:47 2020  
Response via : Initial Calibration

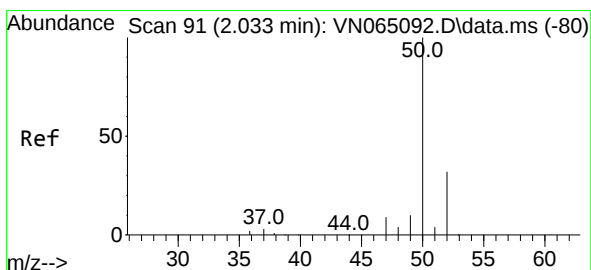
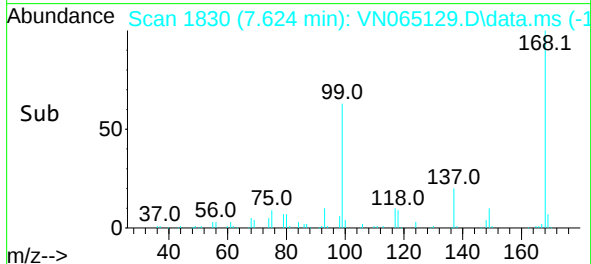
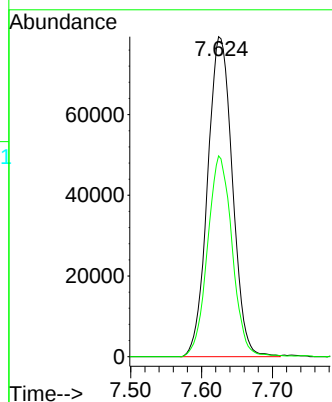
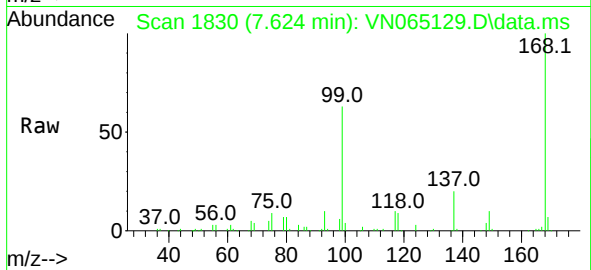




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.003 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

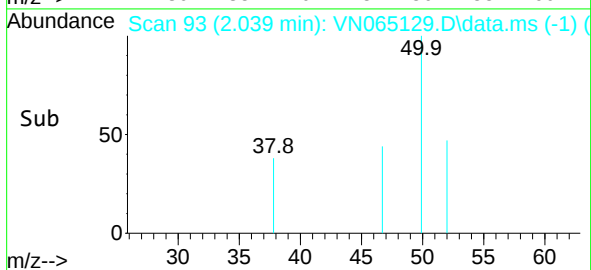
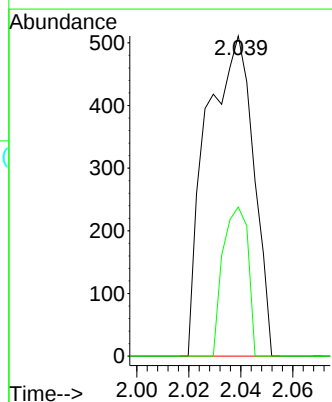
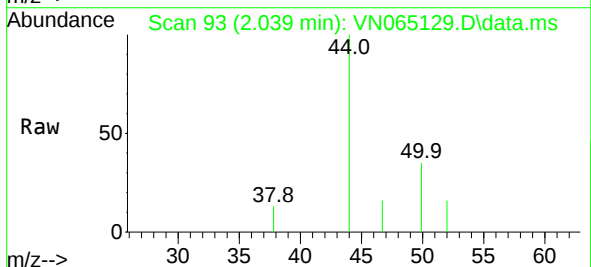
Instrument :  
MSVOA\_N  
ClientSampleId :

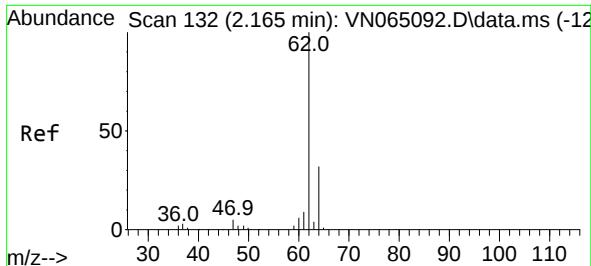
Tgt Ion:168 Resp: 192930  
Ion Ratio Lower Upper  
168 100  
99 62.7 43.0 64.4



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.039 min Scan# 93  
Delta R.T. 0.006 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

Tgt Ion: 50 Resp: 642  
Ion Ratio Lower Upper  
50 100  
52 46.6 26.6 39.8#

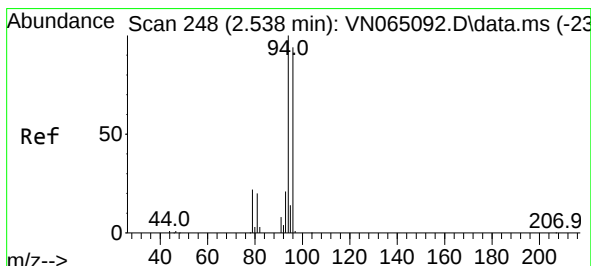
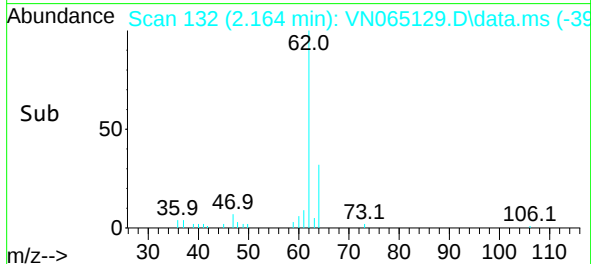
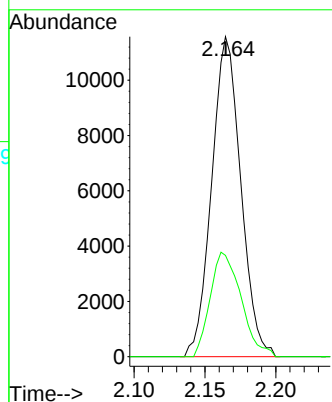
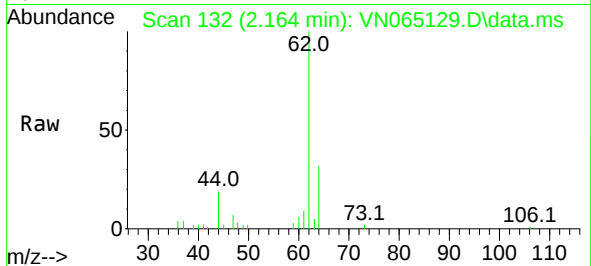




#4  
 Vinyl Chloride  
 Concen: 9.23 ug/l  
 RT: 2.164 min Scan# 132  
 Delta R.T. -0.001 min  
 Lab File: VN065129.D  
 Acq: 15 Dec 2020 3:21

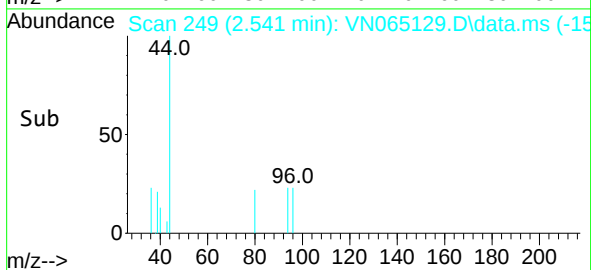
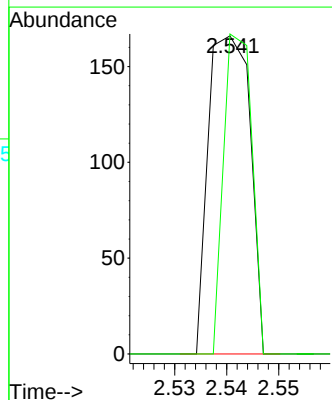
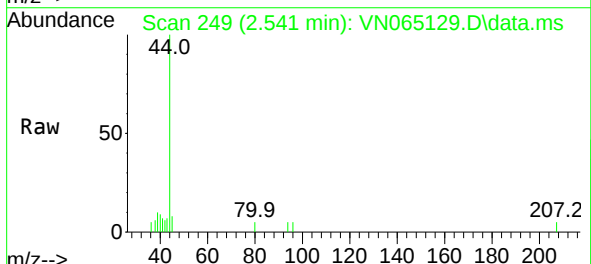
Instrument :  
 MSVOA\_N  
 ClientSampled :

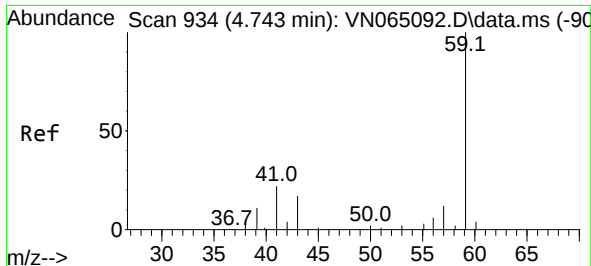
Tgt Ion: 62 Resp: 16526  
 Ion Ratio Lower Upper  
 62 100  
 64 31.7 26.5 39.7



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 2.541 min Scan# 249  
 Delta R.T. 0.003 min  
 Lab File: VN065129.D  
 Acq: 15 Dec 2020 3:21

Tgt Ion: 94 Resp: 92  
 Ion Ratio Lower Upper  
 94 100  
 96 100.6 75.4 113.0

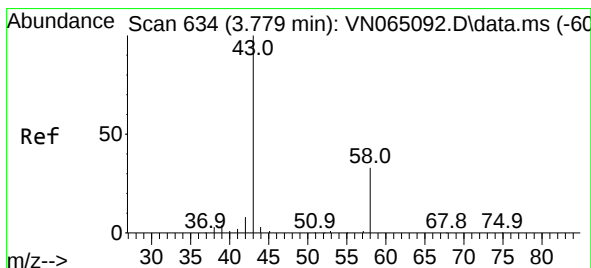
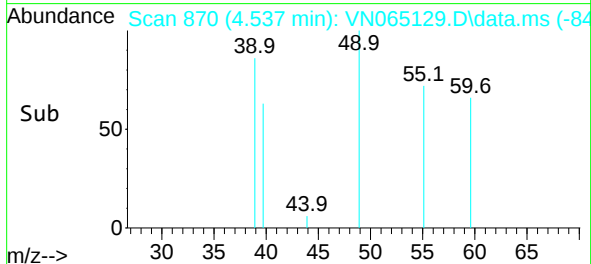
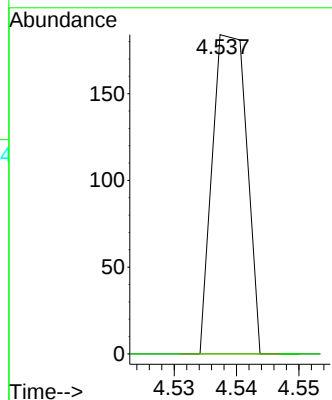
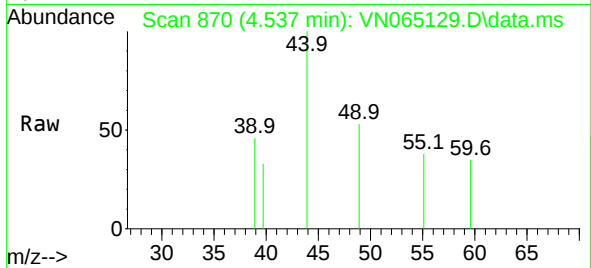




#11  
Tert butyl alcohol  
Concen: 0.30 ug/l  
RT: 4.537 min Scan# 870  
Delta R.T. -0.206 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

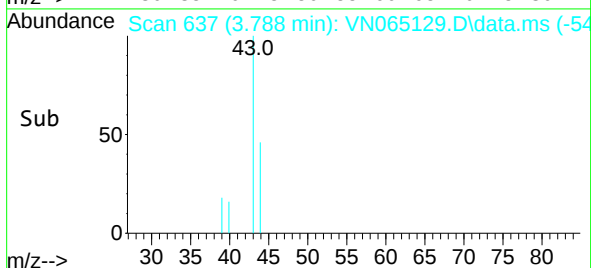
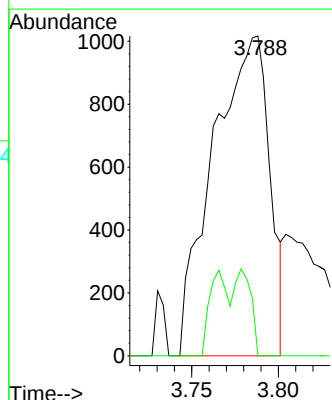
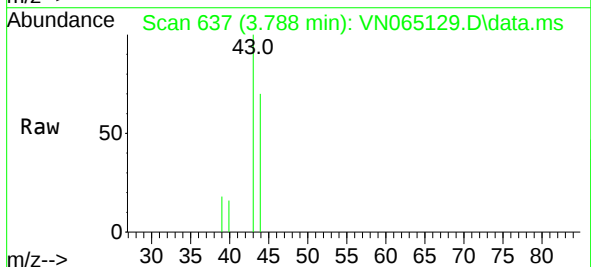
Instrument :  
MSVOA\_N  
ClientSampled :

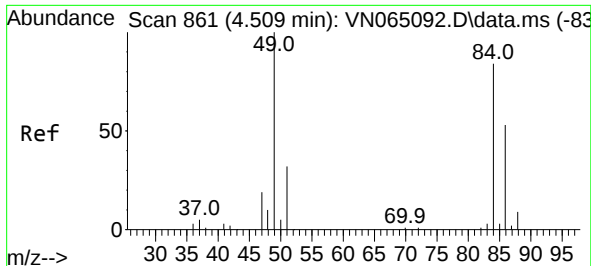
Tgt Ion: 59 Resp: 70  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.9 11.9#



#16  
Acetone  
Concen: 2.79 ug/l  
RT: 3.788 min Scan# 637  
Delta R.T. 0.009 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

Tgt Ion: 43 Resp: 2304  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.7 38.5#





#20

Methylene Chloride

Concen: Below Cal

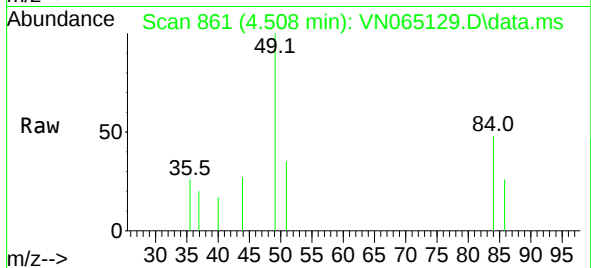
RT: 4.508 min Scan# 861

Delta R.T. -0.001 min

Lab File: VN065129.D

Acq: 15 Dec 2020 3:21

Instrument :  
MSVOA\_N  
ClientSampled :



Tgt Ion: 84 Resp: 151

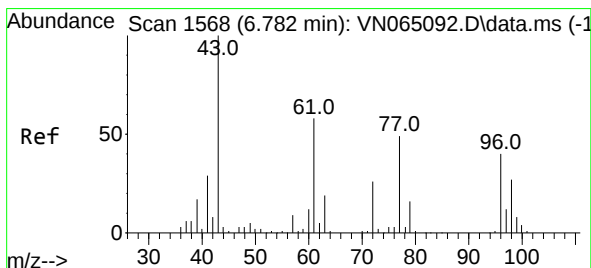
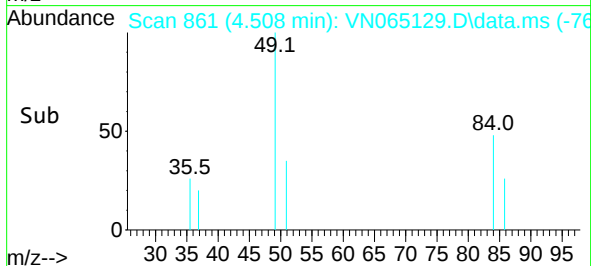
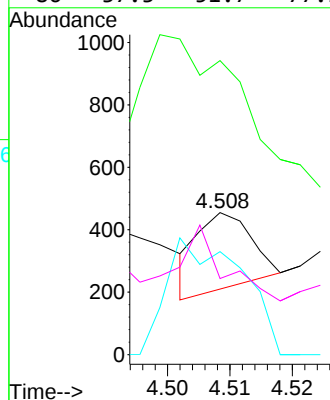
Ion Ratio Lower Upper

84 100

49 164.2 93.4 140.0#

51 171.0 28.2 42.4#

86 37.3 51.7 77.5#



#27

cis-1,2-Dichloroethene

Concen: 10.01 ug/l

RT: 6.778 min Scan# 1567

Delta R.T. -0.004 min

Lab File: VN065129.D

Acq: 15 Dec 2020 3:21

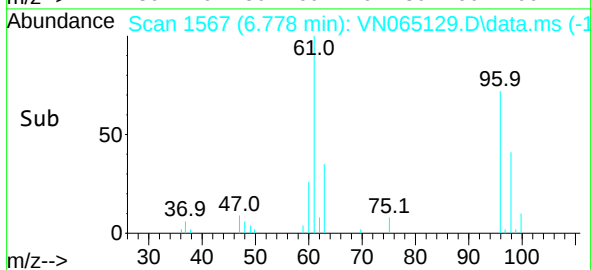
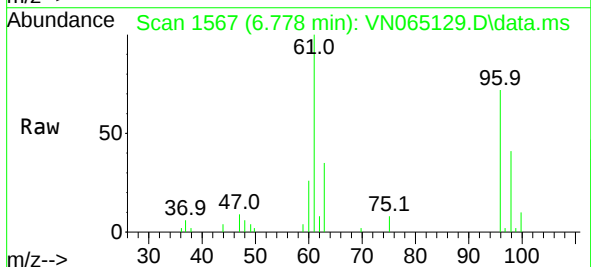
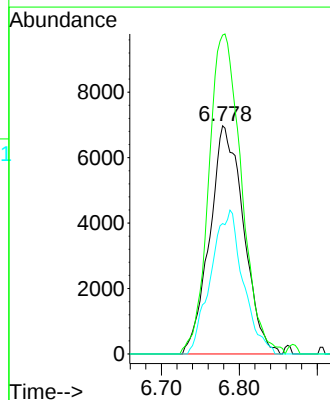
Tgt Ion: 96 Resp: 21045

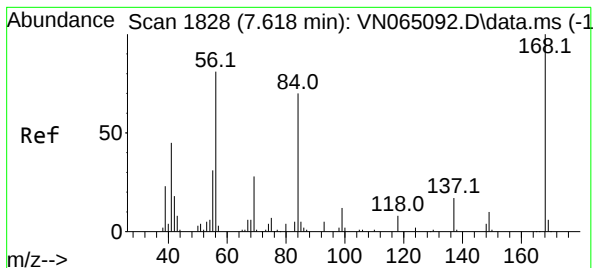
Ion Ratio Lower Upper

96 100

61 135.3 0.0 285.8

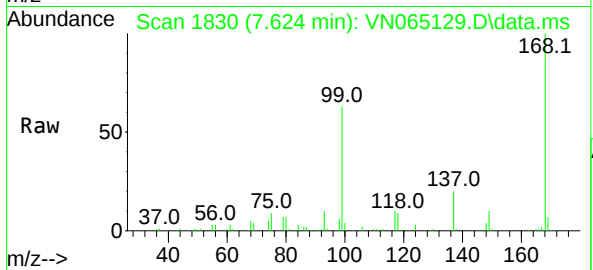
98 60.1 0.0 130.6



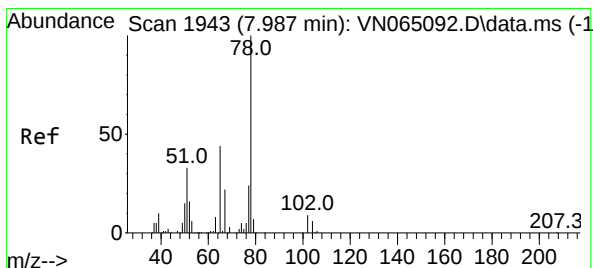
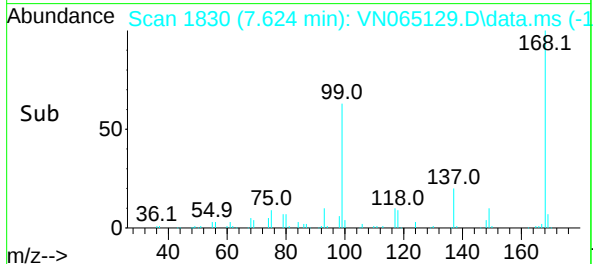
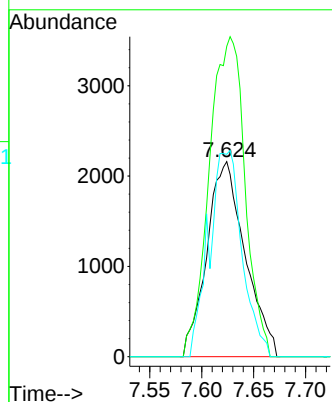


#31  
Cyclohexane  
Concen: 1.84 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.006 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

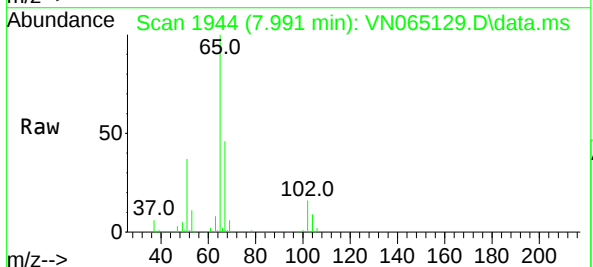
Instrument :  
MSVOA\_N  
ClientSampled :



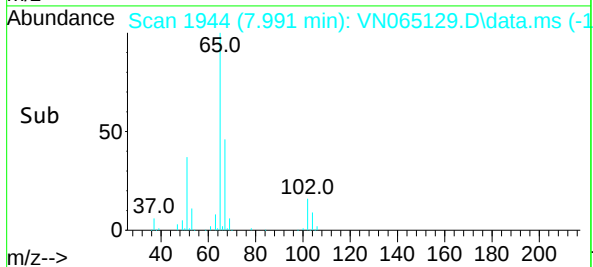
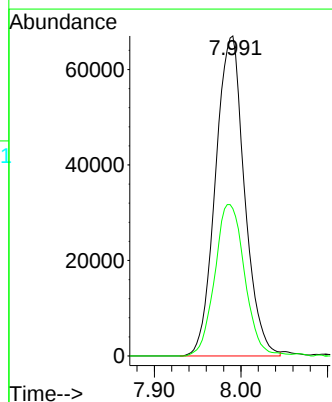
Tgt Ion: 56 Resp: 5541  
Ion Ratio Lower Upper  
56 100  
69 159.1 27.5 41.3#  
84 103.8 73.9 110.9

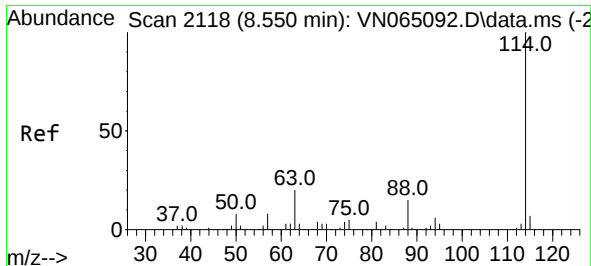


#33  
1,2-Dichloroethane-d4  
Concen: 70.24 ug/l  
RT: 7.991 min Scan# 1944  
Delta R.T. 0.004 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21



Tgt Ion: 65 Resp: 155803  
Ion Ratio Lower Upper  
65 100  
67 48.8 0.0 108.2

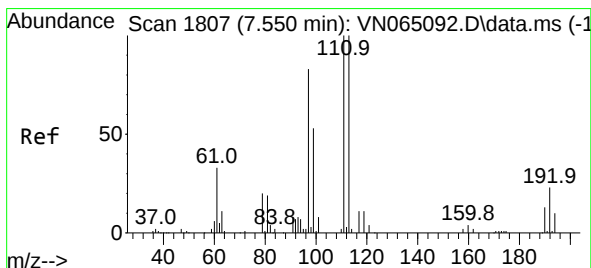
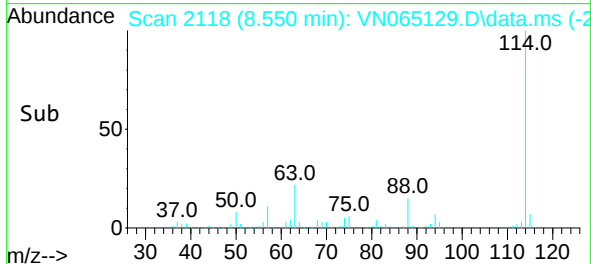
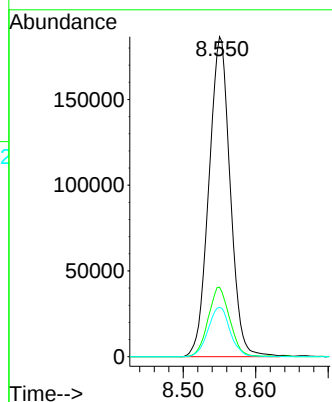
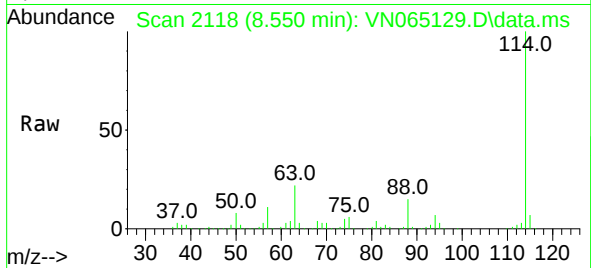




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

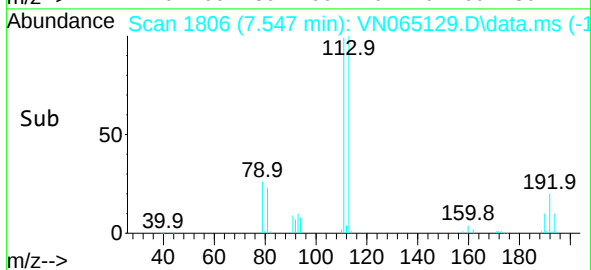
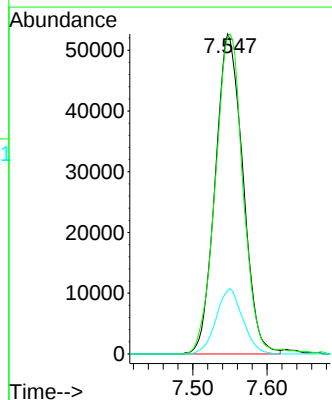
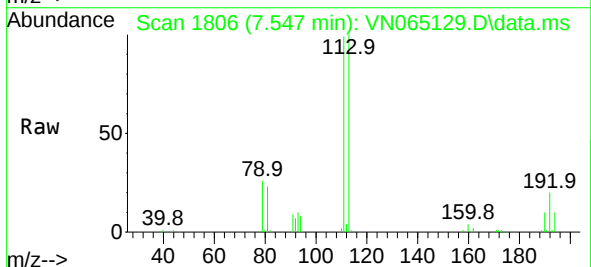
Instrument :  
MSVOA\_N  
ClientSampled :

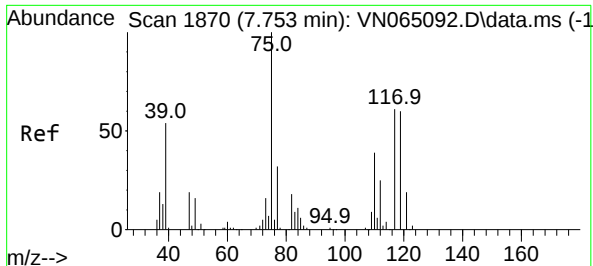
Tgt Ion:114 Resp: 380041  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 38.6  
88 15.4 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 51.49 ug/l  
RT: 7.547 min Scan# 1806  
Delta R.T. -0.003 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

Tgt Ion:113 Resp: 136030  
Ion Ratio Lower Upper  
113 100  
111 99.6 81.6 122.4  
192 19.6 16.2 24.2

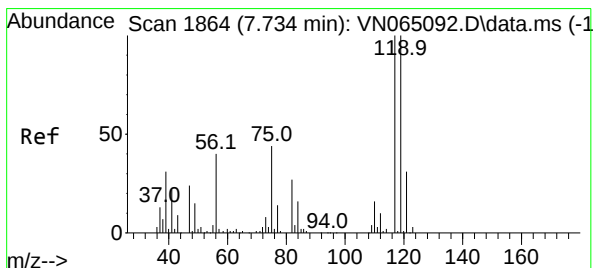
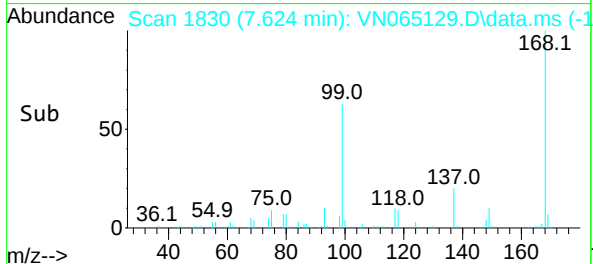
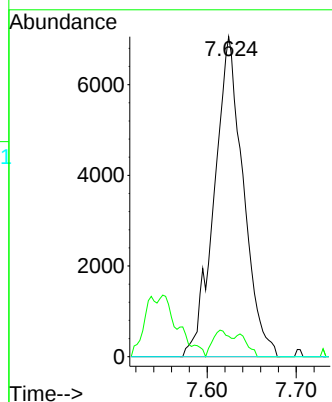
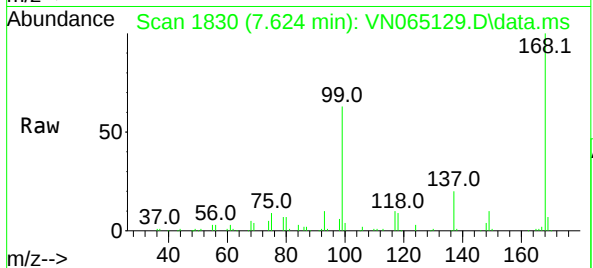




#36  
1,1-Dichloropropene  
Concen: 4.40 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.129 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

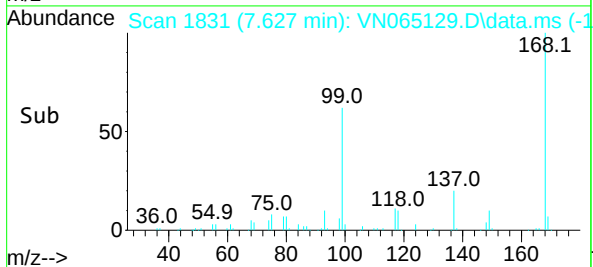
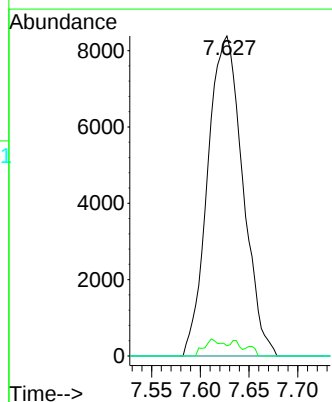
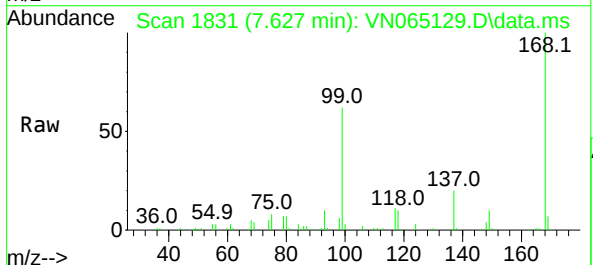
Instrument :  
MSVOA\_N  
ClientSampled :

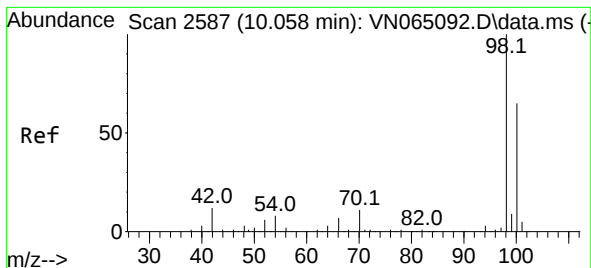
Tgt Ion: 75 Resp: 15976  
Ion Ratio Lower Upper  
75 100  
110 5.2 17.8 53.3#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 5.01 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.107 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

Tgt Ion: 117 Resp: 20991  
Ion Ratio Lower Upper  
117 100  
119 3.2 76.7 115.1#  
121 0.0 25.4 38.2#

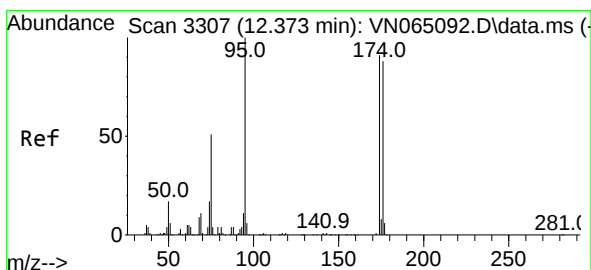
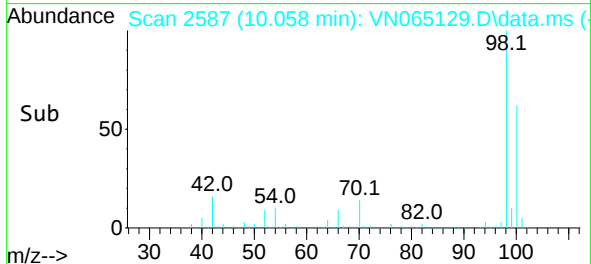
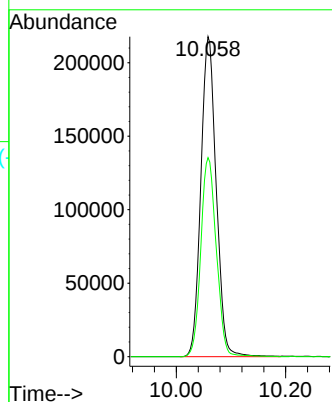
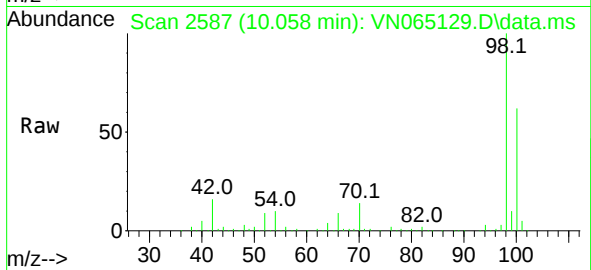




#50  
Toluene-d8  
Concen: 45.37 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

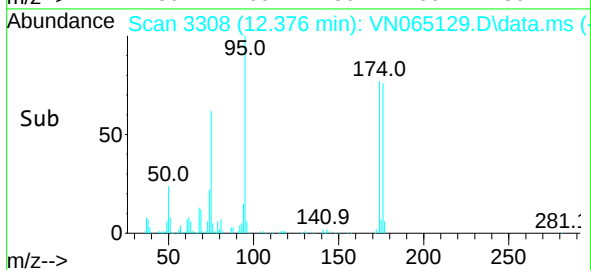
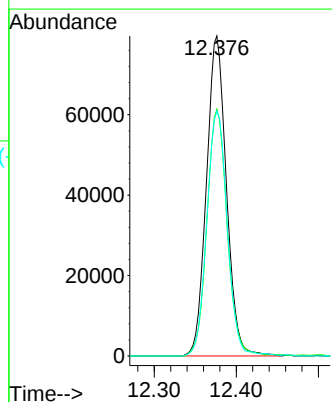
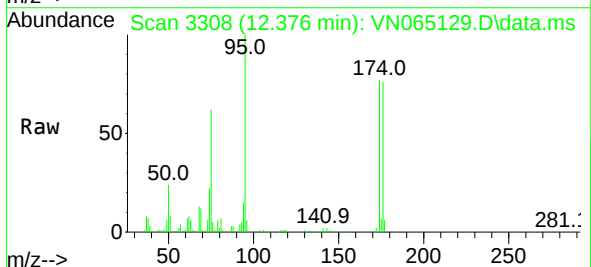
Instrument :  
MSVOA\_N  
ClientSampled :

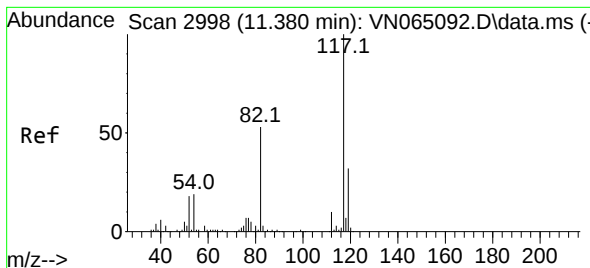
Tgt Ion: 98 Resp: 423810  
Ion Ratio Lower Upper  
98 100  
100 62.8 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 41.83 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.003 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

Tgt Ion: 95 Resp: 134555  
Ion Ratio Lower Upper  
95 100  
174 77.7 0.0 160.4  
176 78.4 0.0 158.4

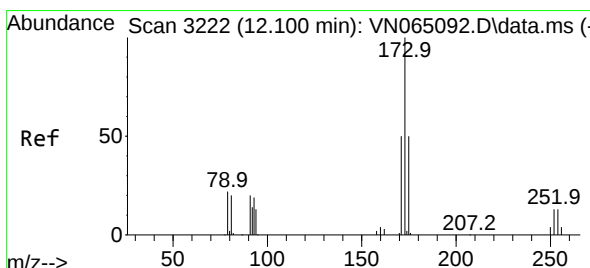
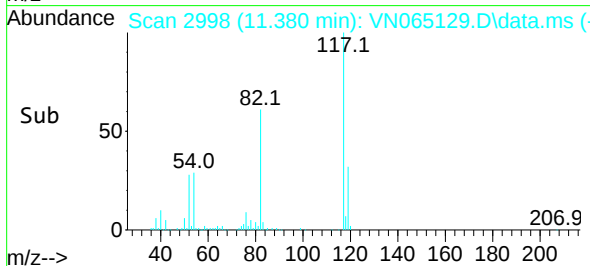
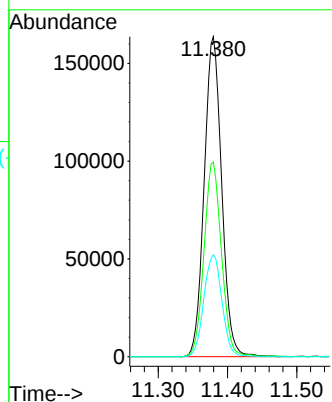
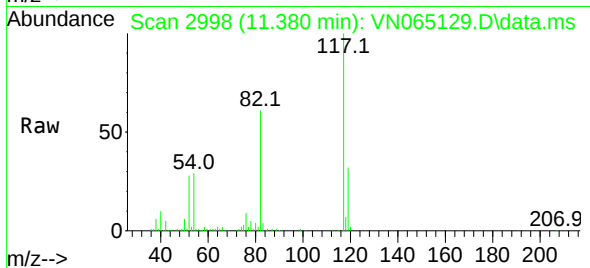




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. -0.000 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

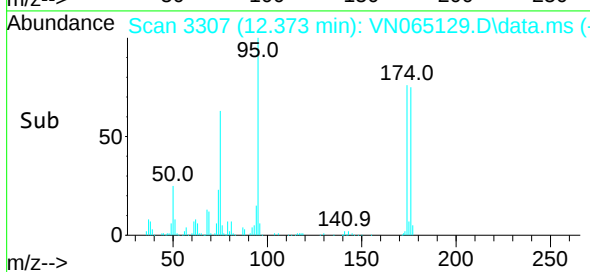
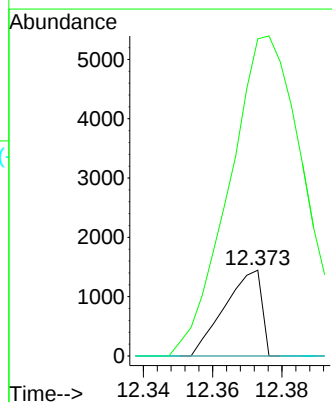
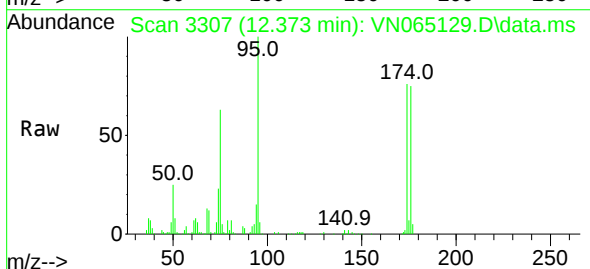
Instrument :  
MSVOA\_N  
ClientSampled :

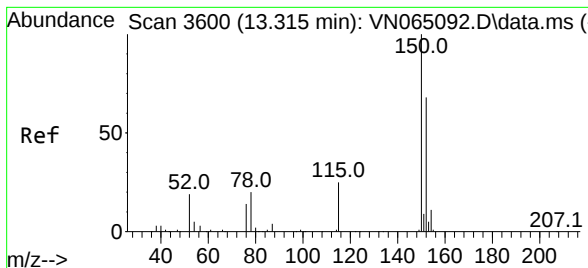
Tgt Ion:117 Resp: 286263  
Ion Ratio Lower Upper  
117 100  
82 60.8 44.2 66.2  
119 31.8 25.8 38.6



#71  
Bromoform  
Concen: 0.59 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.273 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

Tgt Ion:173 Resp: 1076  
Ion Ratio Lower Upper  
173 100  
175 665.1 24.3 72.8#  
254 0.0 0.0 0.0

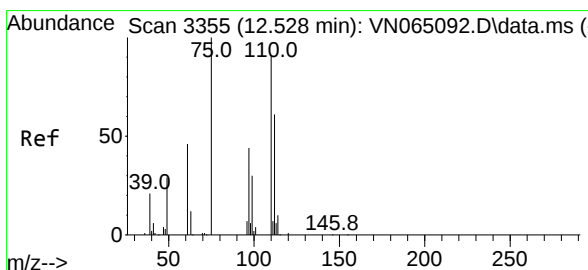
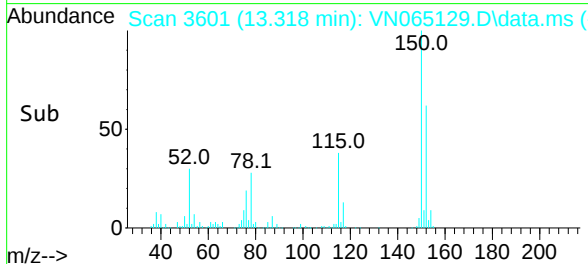
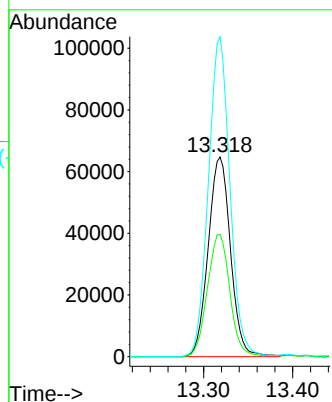
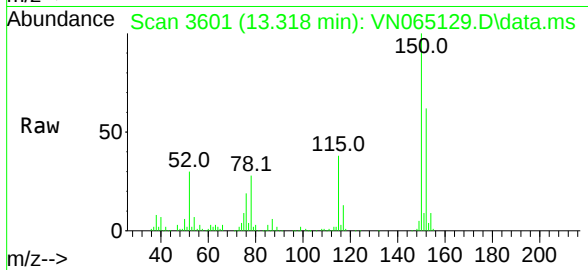




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.318 min Scan# 3601  
Delta R.T. 0.003 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

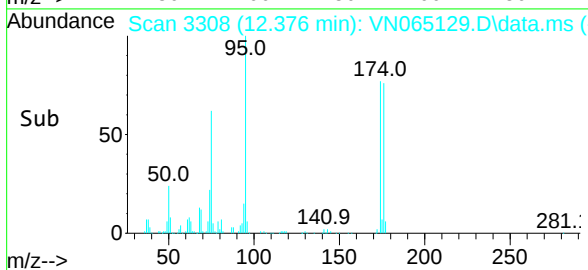
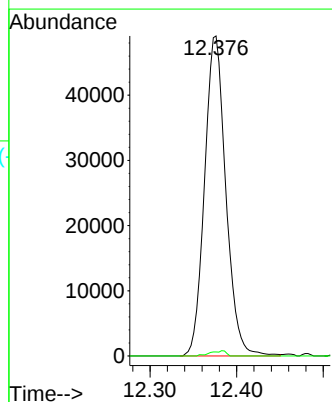
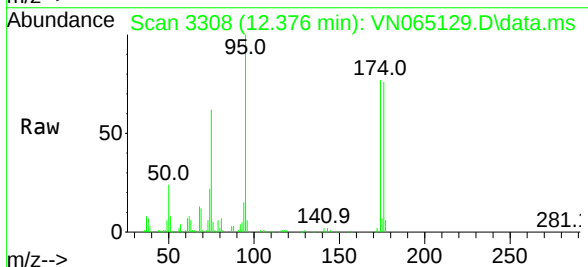
Instrument :  
MSVOA\_N  
ClientSampled :

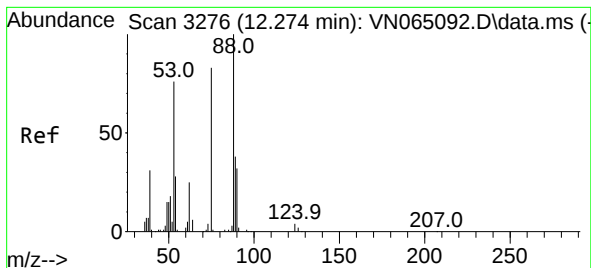
Tgt Ion:152 Resp: 112859  
Ion Ratio Lower Upper  
152 100  
115 61.3 29.7 89.1  
150 154.3 0.0 350.6



#76  
1,2,3-Trichloropropane  
Concen: 41.39 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. -0.152 min  
Lab File: VN065129.D  
Acq: 15 Dec 2020 3:21

Tgt Ion: 75 Resp: 83821  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 115.17 ug/l  
 RT: 12.376 min Scan# 3308  
 Delta R.T. 0.102 min  
 Lab File: VN065129.D  
 Acq: 15 Dec 2020 3:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion: 75 Resp: 83821  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 67.0 100.4#  
 89 0.0 39.6 59.4#

