

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022621\  
 Data File : VN066060.D  
 Acq On : 26 Feb 2021 18:41  
 Operator : JC/MD  
 Sample : M1489-05 20X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-41706-07

Quant Time: Feb 26 23:36:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

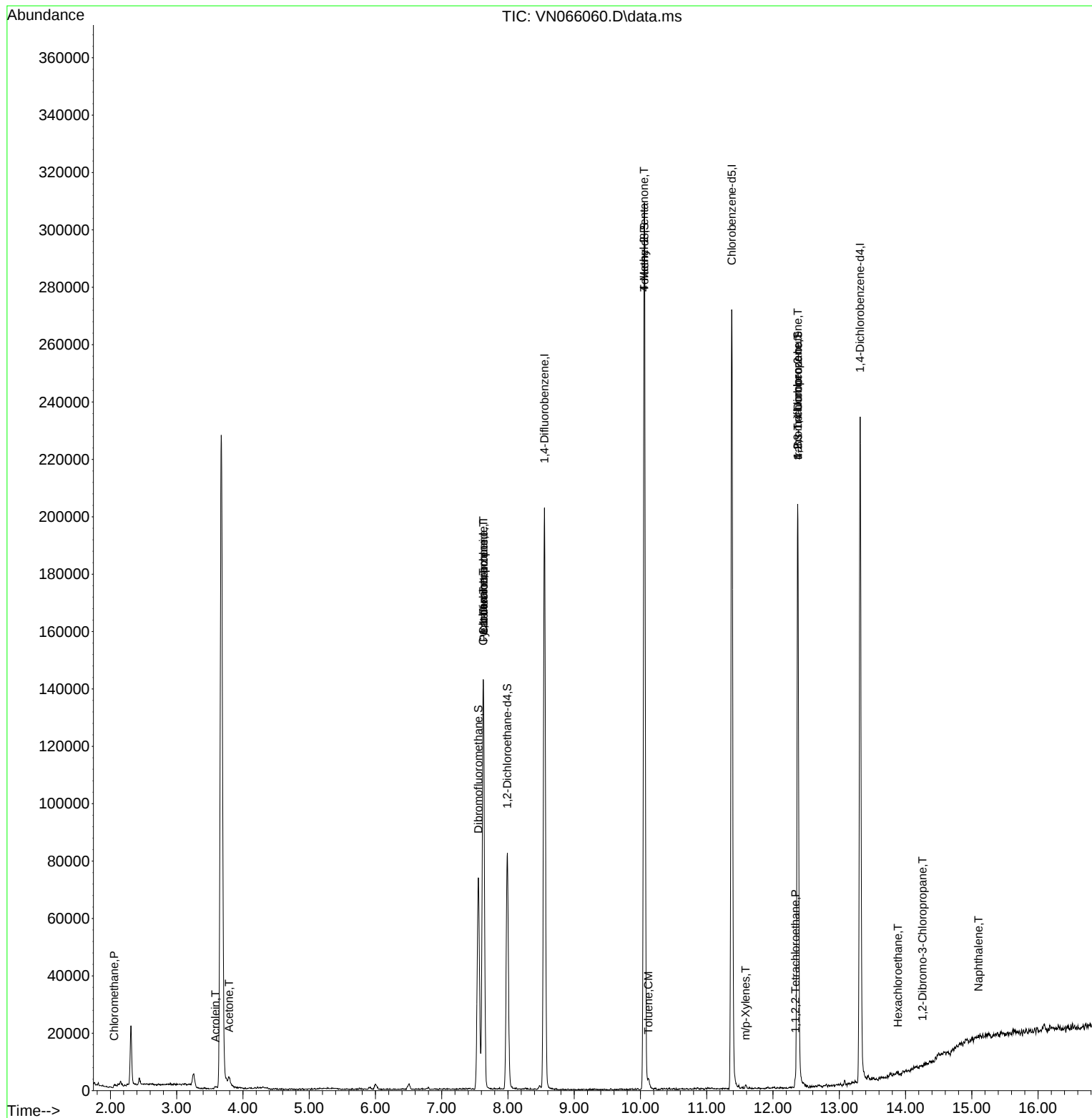
| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| -----                         |                |      |            |        |        |          |
| Internal Standards            |                |      |            |        |        |          |
| 1) Pentafluorobenzene         | 7.630          | 168  | 113929     | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 184804     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.376         | 117  | 167905     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.315         | 152  | 68439      | 50.00  | ug/l   | 0.00     |
|                               |                |      |            |        |        |          |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.990          | 65   | 77455      | 48.62  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 97.24% |        |          |
| 35) Dibromofluoromethane      | 7.553          | 113  | 56189      | 49.13  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 98.26% |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 222900     | 47.48  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 94.96% |        |          |
| 62) 4-Bromofluorobenzene      | 12.373         | 95   | 80073      | 45.43  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 90.86% |        |          |
|                               |                |      |            |        |        |          |
| Target Compounds              |                |      |            |        |        | Qvalue   |
| 3) Chloromethane              | 2.055          | 50   | 530        | 0.28   | ug/l # | 42       |
| 13) Acrolein                  | 3.586          | 56   | 1209       | 5.96   | ug/l # | 65       |
| 16) Acetone                   | 3.788          | 43   | 4986       | 8.41   | ug/l # | 56       |
| 31) Cyclohexane               | 7.624          | 56   | 2408       | 1.01   | ug/l # | 37       |
| 36) 1,1-Dichloropropene       | 7.627          | 75   | 9017       | 4.95   | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.627          | 117  | 11600      | 6.85   | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.055         | 43   | 789        | 0.49   | ug/l # | 1        |
| 52) Toluene                   | 10.119         | 92   | 1641       | 0.48   | ug/l   | 93       |
| 68) m/p-Xylenes               | 11.588         | 106  | 488        | 0.21   | ug/l # | 68       |
| 75) 1,1,2,2-Tetrachloroethane | 12.338         | 83   | 1656       | 1.00   | ug/l # | 26       |
| 76) 1,2,3-Trichloropropane    | 12.373         | 75   | 41121      | 25.01  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373         | 75   | 41121      | 79.71  | ug/l # | 12       |
| 90) Hexachloroethane          | 13.884         | 117  | 229        | 0.29   | ug/l # | 12       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.257         | 75   | 286        | 1.71   | ug/l # | 1        |
| 95) Naphthalene               | 15.100         | 128  | 1492       | 3.41   | ug/l # | 69       |
| -----                         |                |      |            |        |        |          |

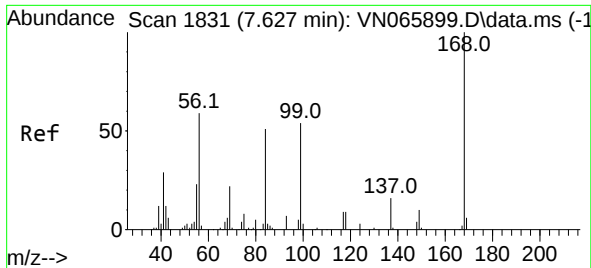
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022621\  
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Sample : M1489-05 20X  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Time: Feb 26 23:36:51 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 17 15:48:13 2021  
Response via : Initial Calibration

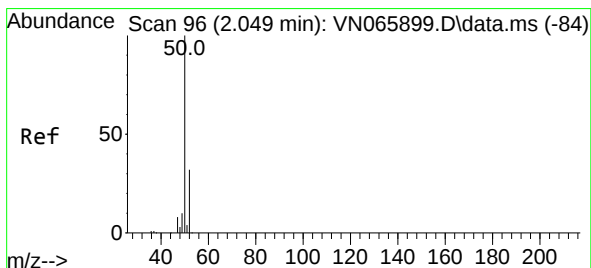
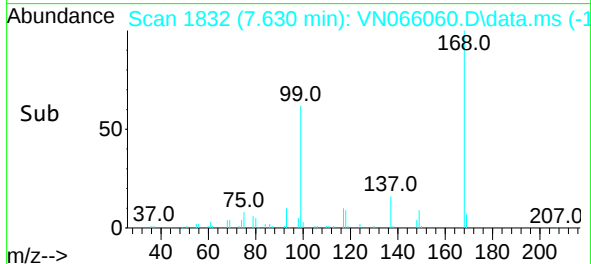
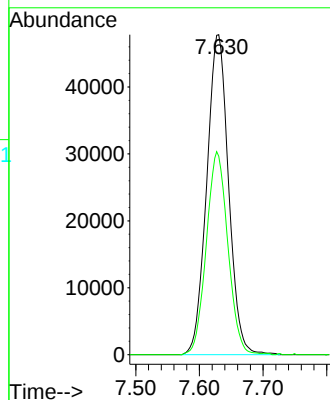
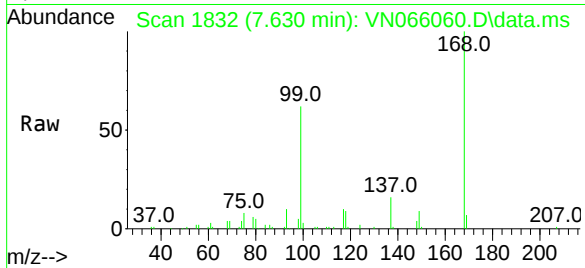




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.630 min Scan# 1832  
Delta R.T. 0.003 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

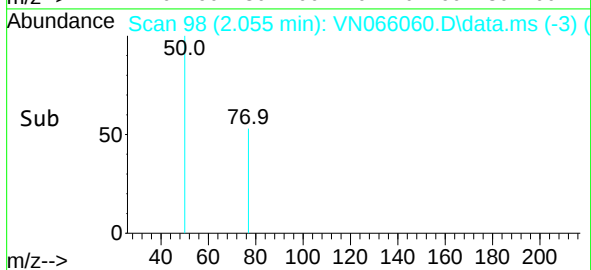
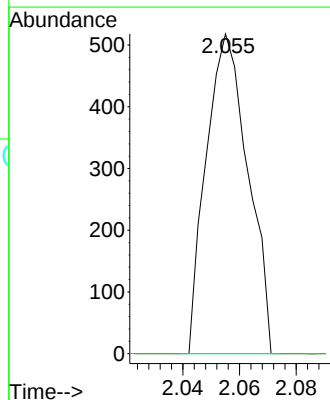
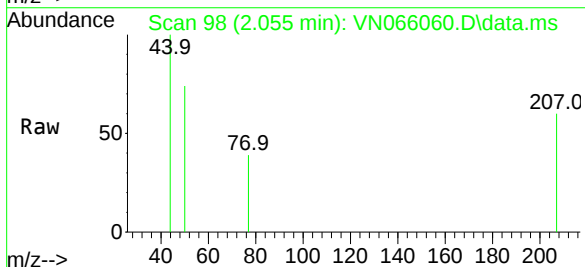
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-41706-07

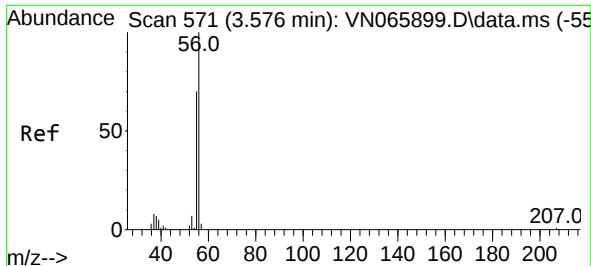
Tgt Ion:168 Resp: 113929  
Ion Ratio Lower Upper  
168 100  
99 62.0 42.6 63.8



#3  
Chloromethane  
Concen: 0.28 ug/l  
RT: 2.055 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

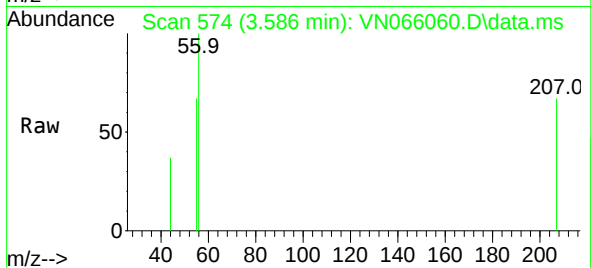
Tgt Ion: 50 Resp: 530  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.8 38.8#



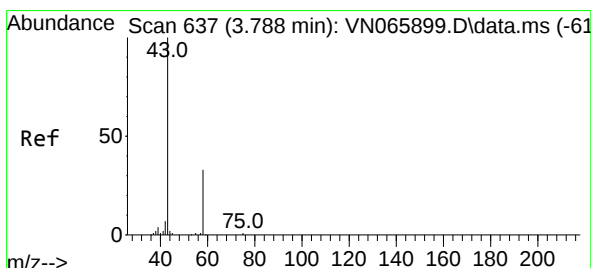
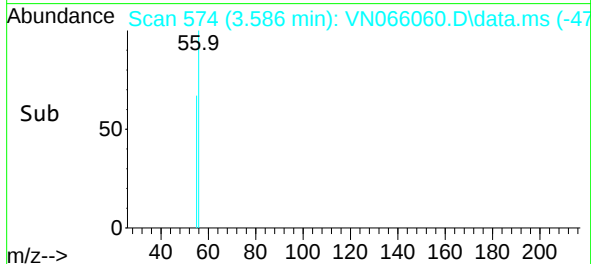
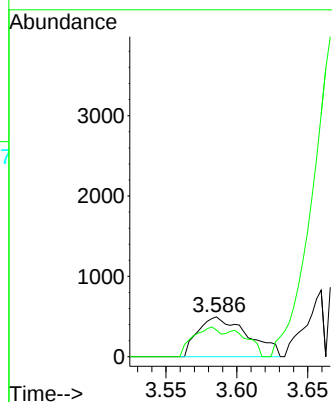


#13  
Acrolein  
Concen: 5.96 ug/l  
RT: 3.586 min Scan# 574  
Delta R.T. 0.010 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-41706-07

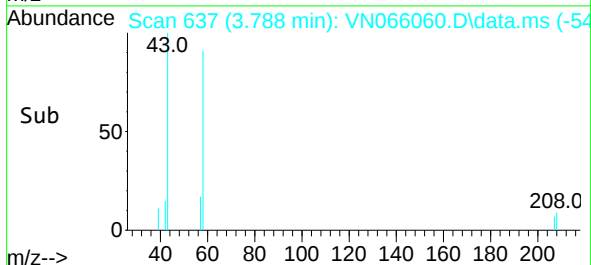
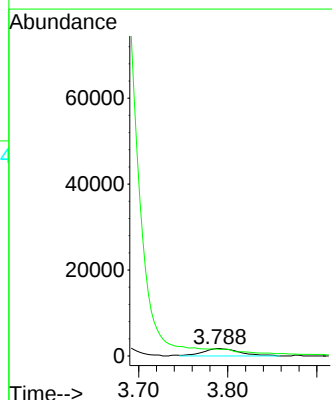
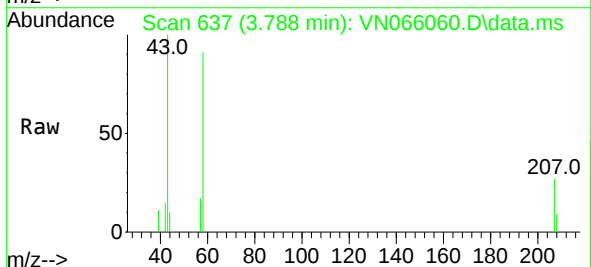


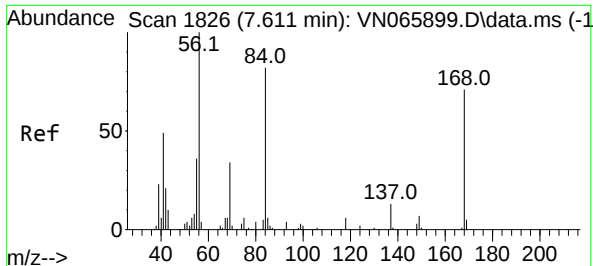
Tgt Ion: 56 Resp: 1209  
Ion Ratio Lower Upper  
56 100  
55 40.9 56.0 84.0#



#16  
Acetone  
Concen: 8.41 ug/l  
RT: 3.788 min Scan# 637  
Delta R.T. 0.000 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

Tgt Ion: 43 Resp: 4986  
Ion Ratio Lower Upper  
43 100  
58 58.9 27.0 40.6#





#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. 0.013 min

Lab File: VN066060.D

Acq: 26 Feb 2021 18:41

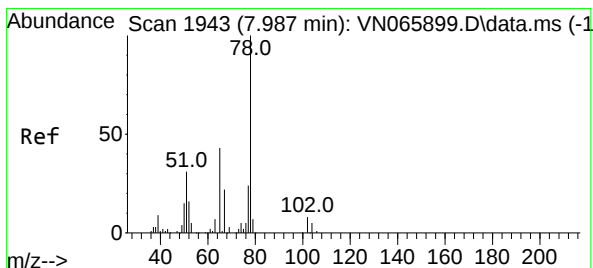
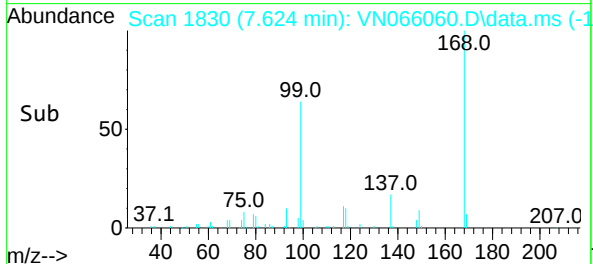
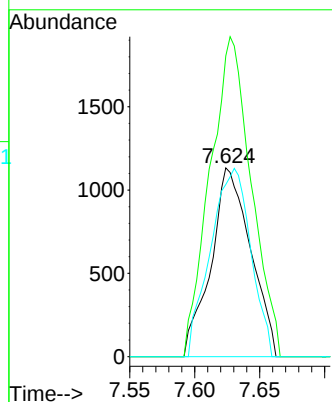
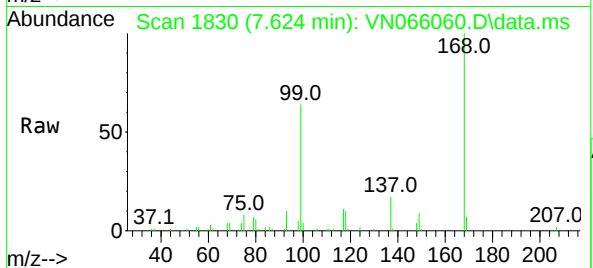
Tgt Ion: 56 Resp: 2408

Ion Ratio Lower Upper

56 100

69 159.4 26.6 39.8#

84 91.2 70.4 105.6



#33

1,2-Dichloroethane-d4

Concen: 48.62 ug/l

RT: 7.990 min Scan# 1944

Delta R.T. 0.003 min

Lab File: VN066060.D

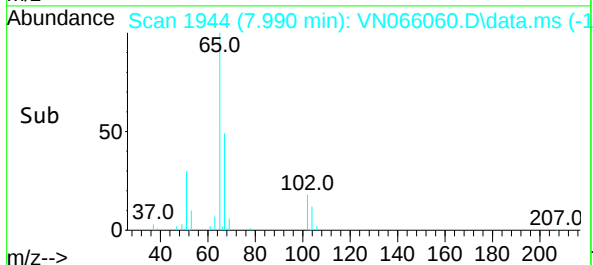
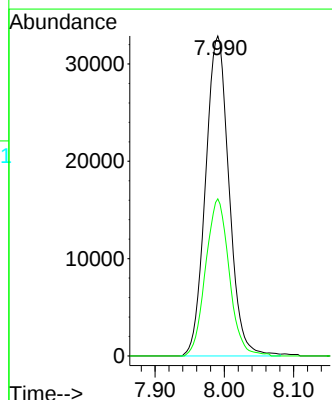
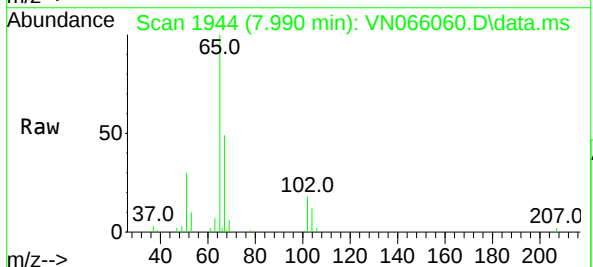
Acq: 26 Feb 2021 18:41

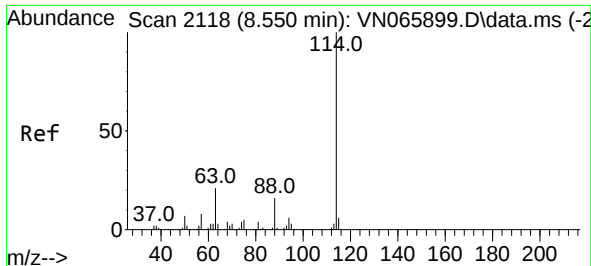
Tgt Ion: 65 Resp: 77455

Ion Ratio Lower Upper

65 100

67 49.4 0.0 107.2

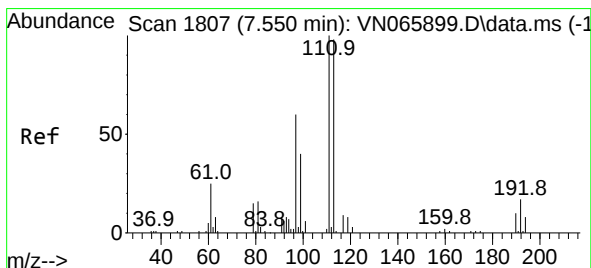
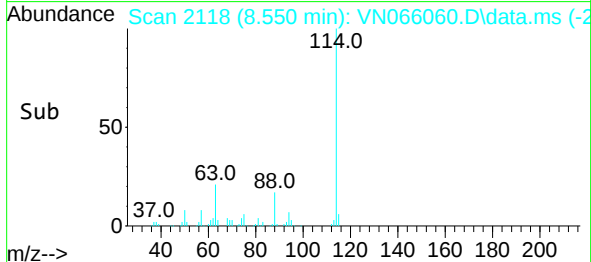
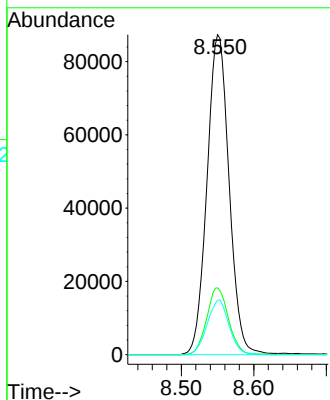
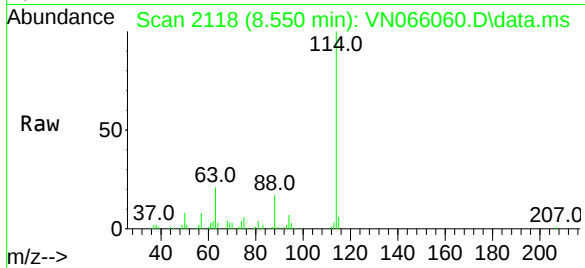




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. -0.000 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

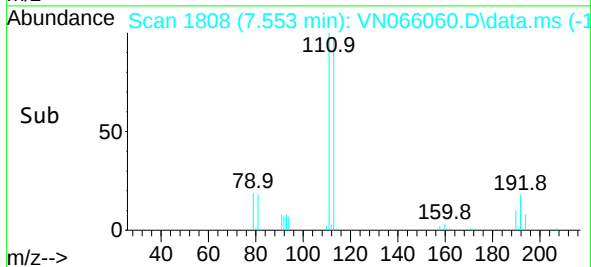
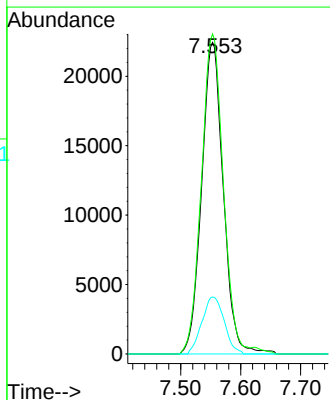
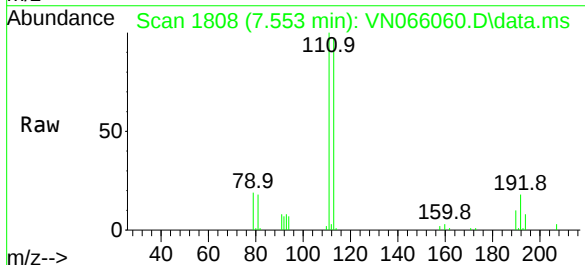
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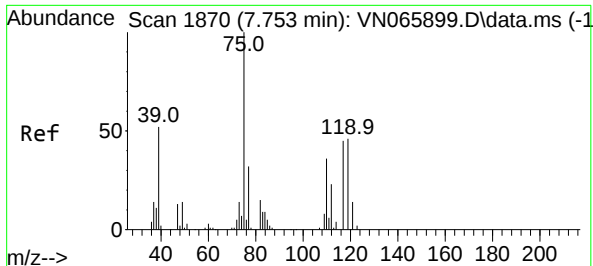
Tgt Ion:114 Resp: 184804  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 38.6  
88 17.0 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 49.13 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

Tgt Ion:113 Resp: 56189  
Ion Ratio Lower Upper  
113 100  
111 104.0 82.2 123.2  
192 18.9 15.4 23.0

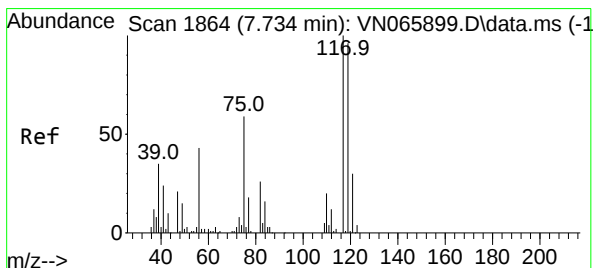
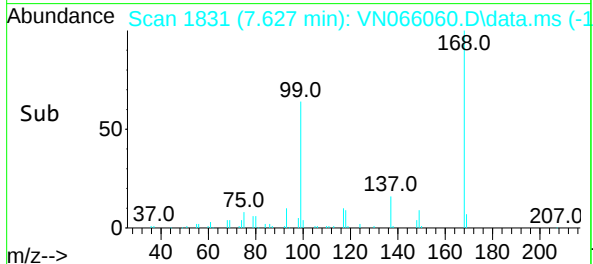
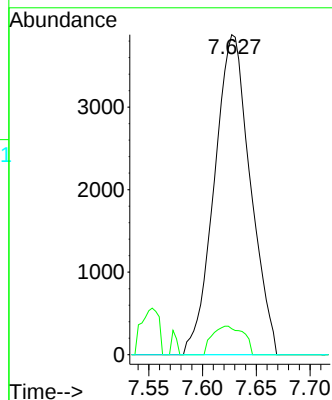
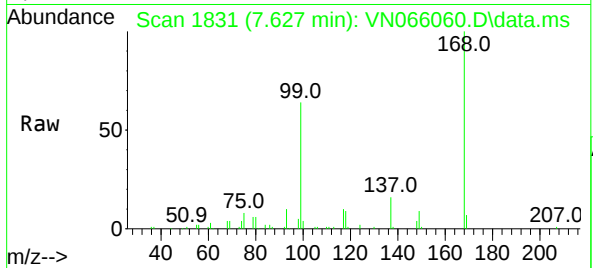




#36  
1,1-Dichloropropene  
Concen: 4.95 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.126 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

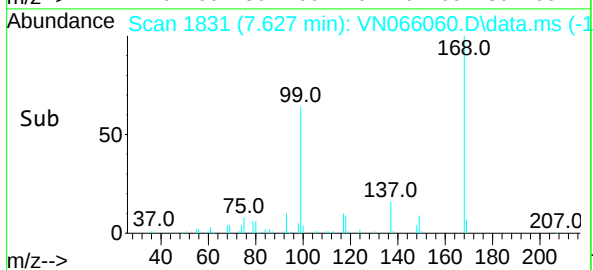
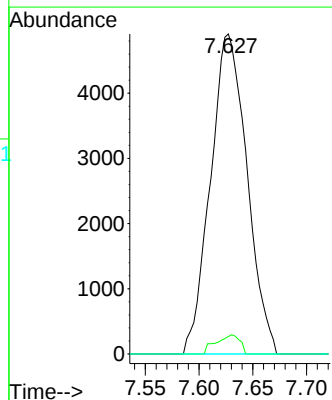
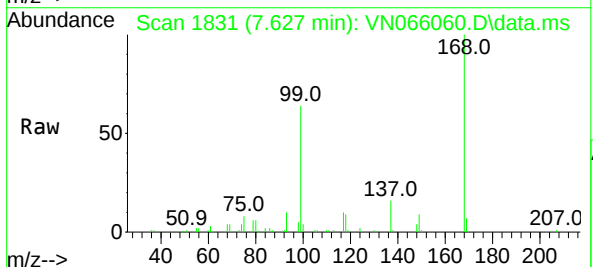
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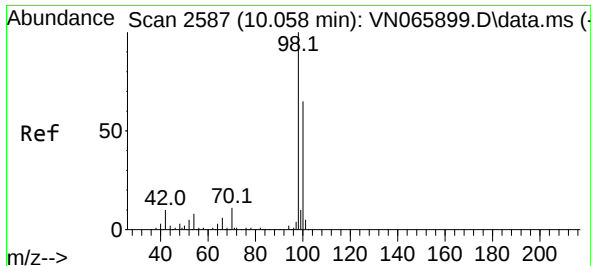
Tgt Ion: 75 Resp: 9017  
Ion Ratio Lower Upper  
75 100  
110 7.7 18.2 54.6#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 6.85 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.107 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

Tgt Ion: 117 Resp: 11600  
Ion Ratio Lower Upper  
117 100  
119 5.5 76.0 114.0#  
121 0.0 24.5 36.7#

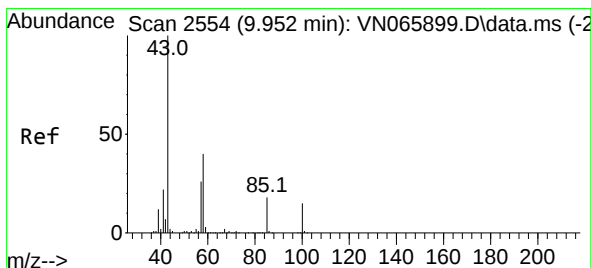
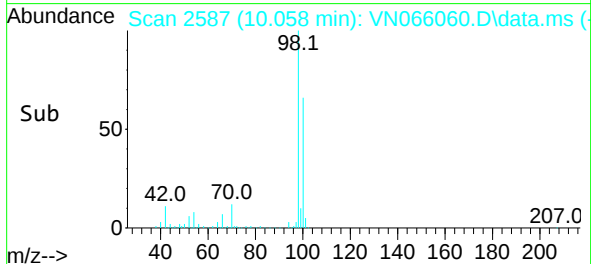
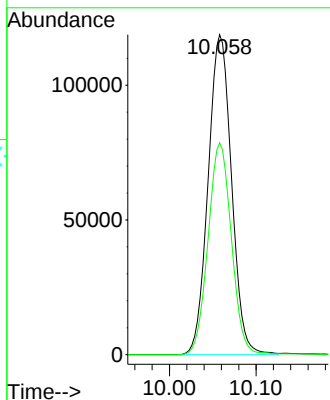
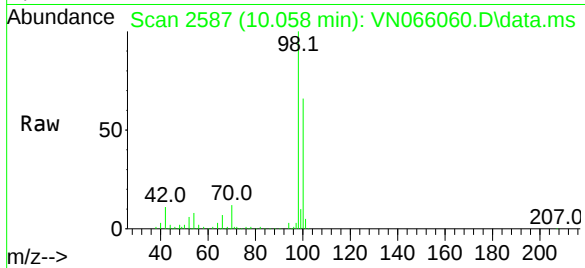




#50  
Toluene-d8  
Concen: 47.48 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. -0.000 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

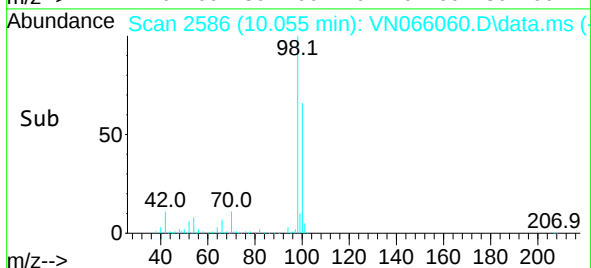
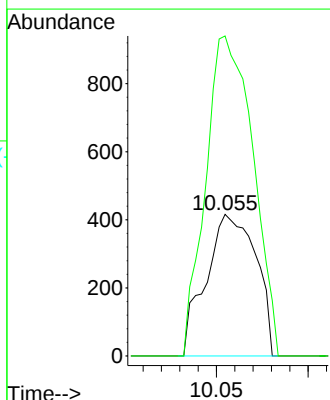
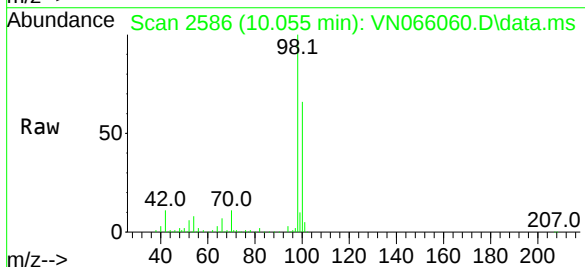
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-41706-07

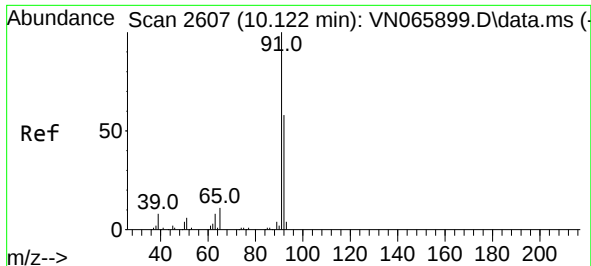
Tgt Ion: 98 Resp: 222900  
Ion Ratio Lower Upper  
98 100  
100 66.0 50.5 75.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.49 ug/l  
RT: 10.055 min Scan# 2586  
Delta R.T. 0.103 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

Tgt Ion: 43 Resp: 789  
Ion Ratio Lower Upper  
43 100  
58 213.8 32.5 48.7#

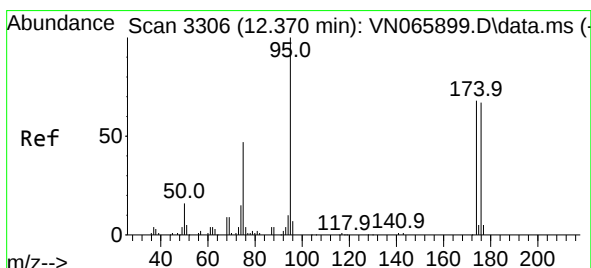
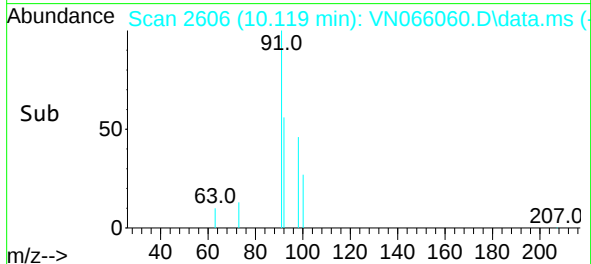
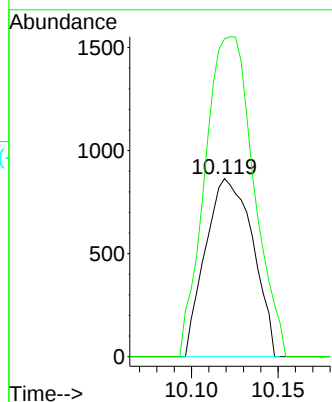
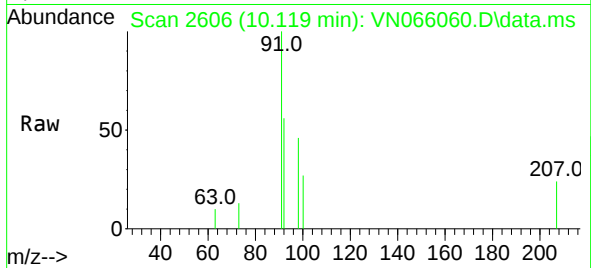




#52  
Toluene  
Concen: 0.48 ug/l  
RT: 10.119 min Scan# 2606  
Delta R.T. -0.003 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

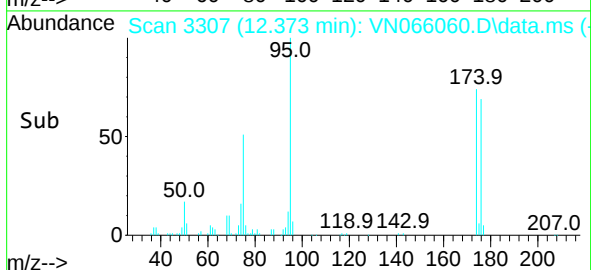
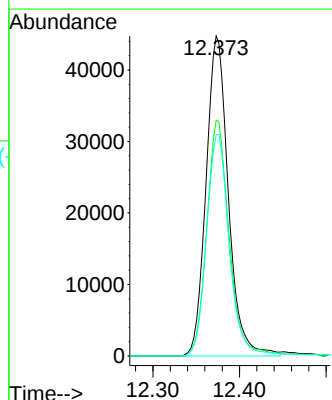
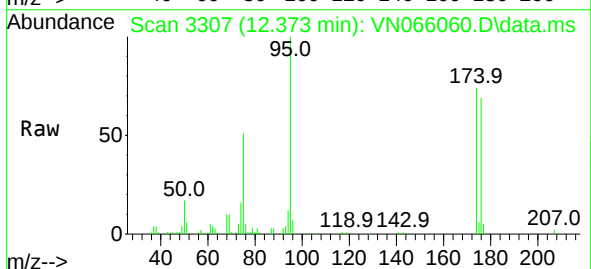
Instrument :  
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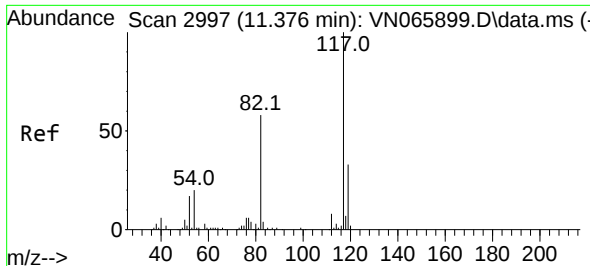
Tgt Ion: 92 Resp: 1641  
Ion Ratio Lower Upper  
92 100  
91 185.2 140.7 211.1



#62  
4-Bromofluorobenzene  
Concen: 45.43 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN066060.D  
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Tgt Ion: 95 Resp: 80073  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 169.0  
176 70.6 0.0 162.4

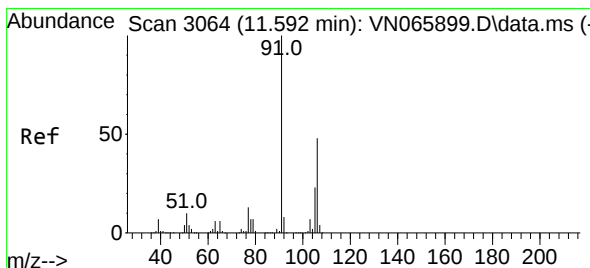
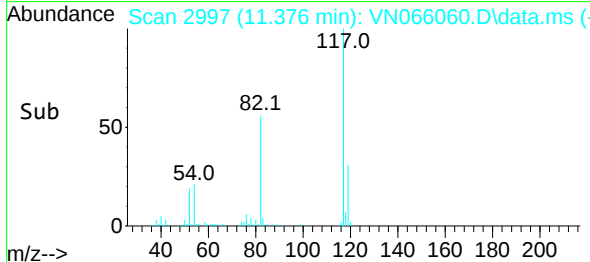
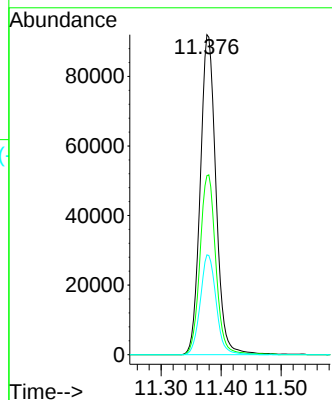
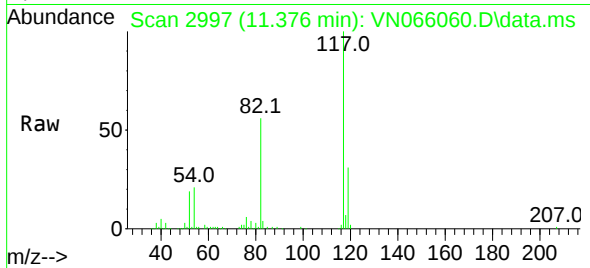




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

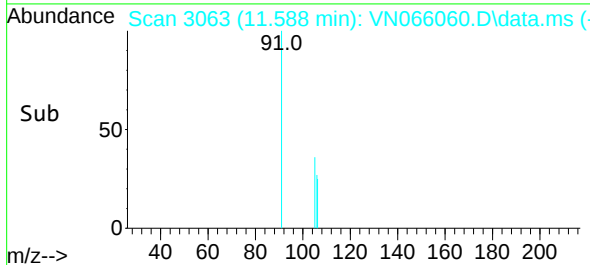
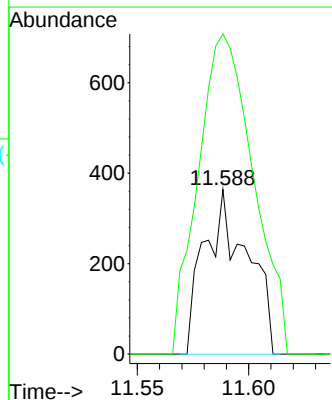
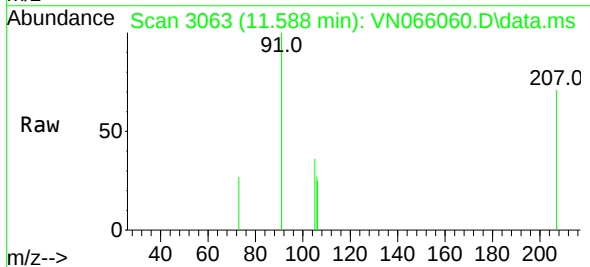
Instrument :  
MSVOA\_N  
ClientSampleId :  
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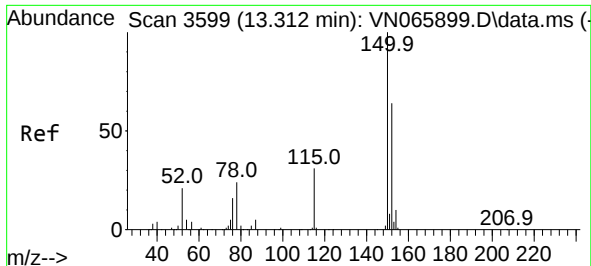
Tgt Ion:117 Resp: 167905  
Ion Ratio Lower Upper  
117 100  
82 56.0 43.7 65.5  
119 31.2 26.1 39.1



#68  
m/p-Xylenes  
Concen: 0.21 ug/l  
RT: 11.588 min Scan# 3063  
Delta R.T. -0.004 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

Tgt Ion:106 Resp: 488  
Ion Ratio Lower Upper  
106 100  
91 250.6 161.4 242.0#

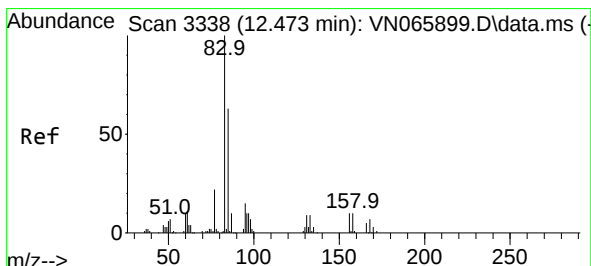
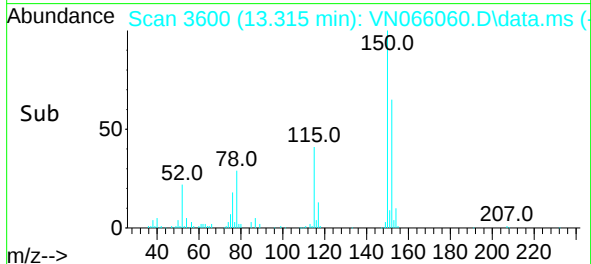
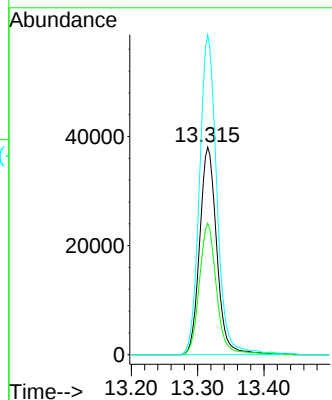
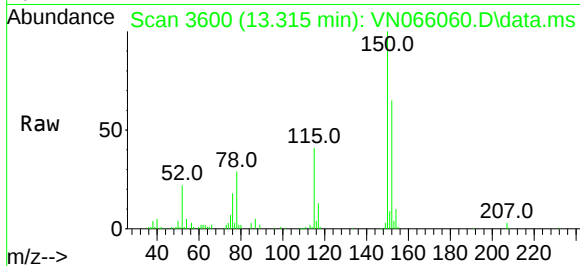




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

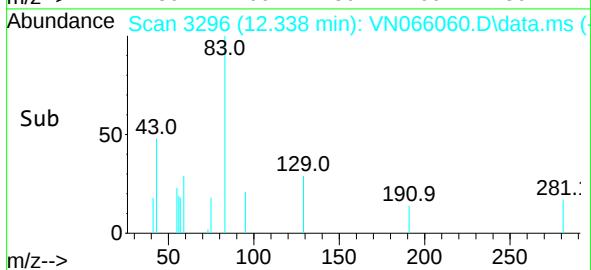
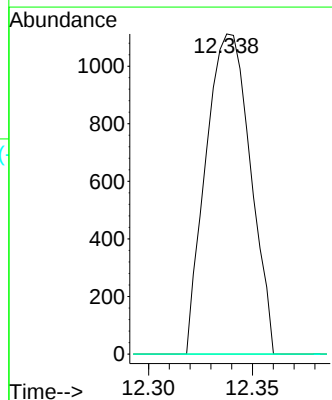
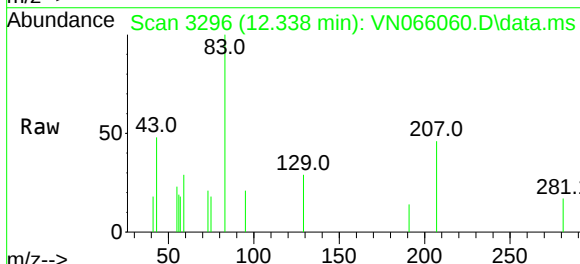
Instrument :  
MSVOA\_N  
ClientSampleId :  
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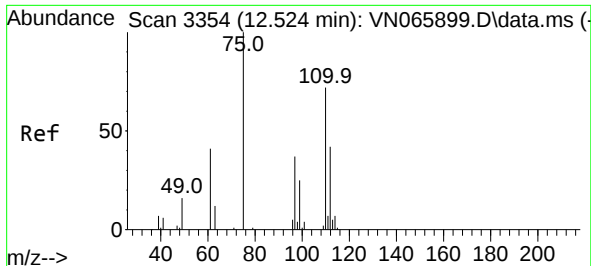
Tgt Ion:152 Resp: 68439  
Ion Ratio Lower Upper  
152 100  
115 63.1 28.5 85.6  
150 155.6 0.0 347.6



#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.00 ug/l  
RT: 12.338 min Scan# 3296  
Delta R.T. -0.135 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

Tgt Ion: 83 Resp: 1656  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.3 15.8#  
85 0.0 32.0 96.0#

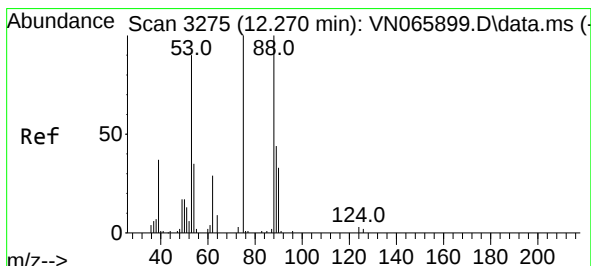
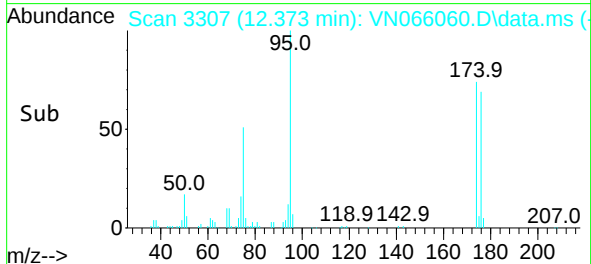
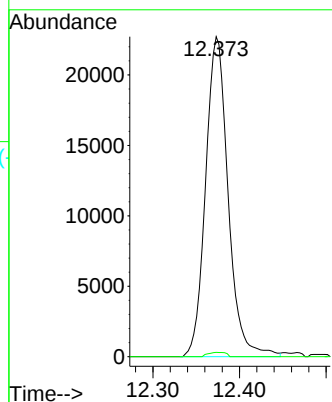
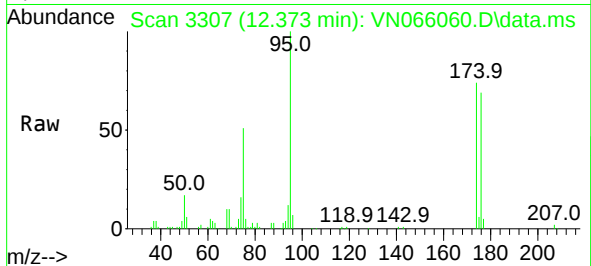




#76  
1,2,3-Trichloropropane  
Concen: 25.01 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

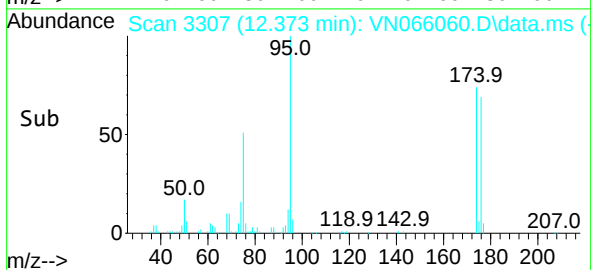
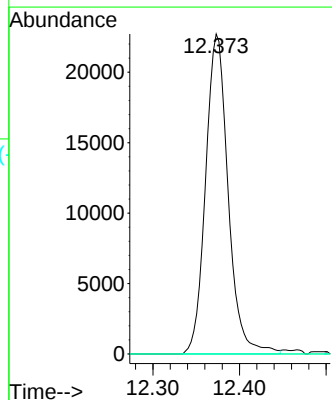
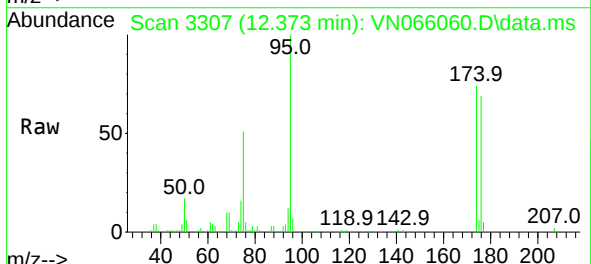
Instrument :  
MSVOA\_N  
ClientSampleId :  
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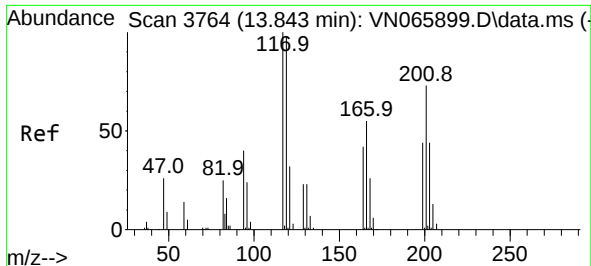
Tgt Ion: 75 Resp: 41121  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 79.71 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.103 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

Tgt Ion: 75 Resp: 41121  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#

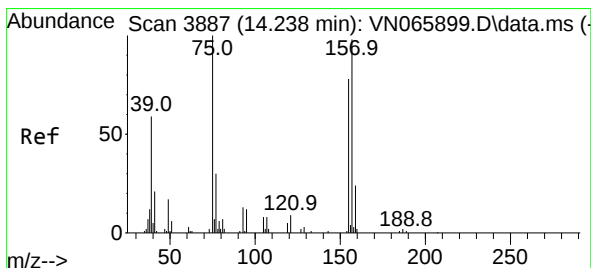
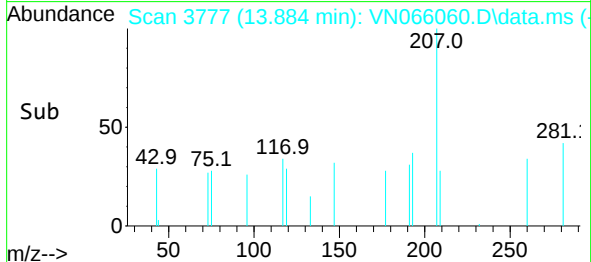
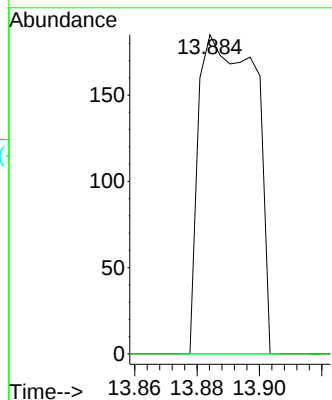
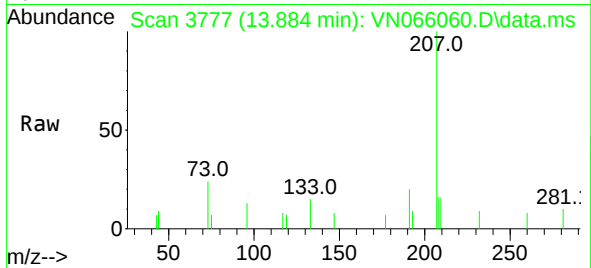




#90  
Hexachloroethane  
Concen: 0.29 ug/l  
RT: 13.884 min Scan# 3777  
Delta R.T. 0.041 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

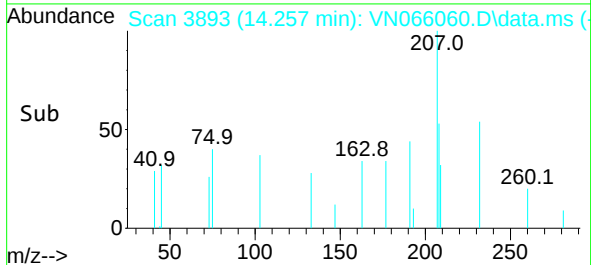
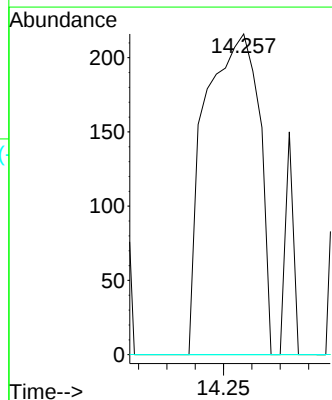
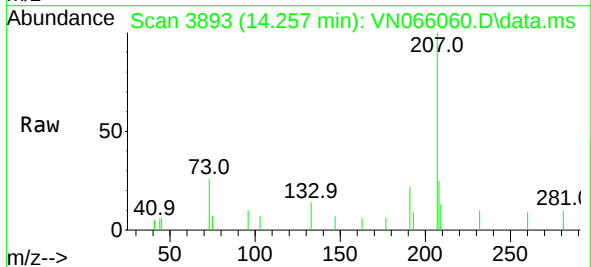
Instrument :  
MSVOA\_N  
ClientSampleId :  
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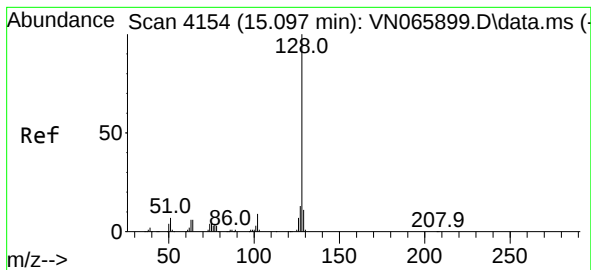
Tgt Ion:117 Resp: 229  
Ion Ratio Lower Upper  
117 100  
201 0.0 37.8 113.3#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 1.71 ug/l  
RT: 14.257 min Scan# 3893  
Delta R.T. 0.019 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

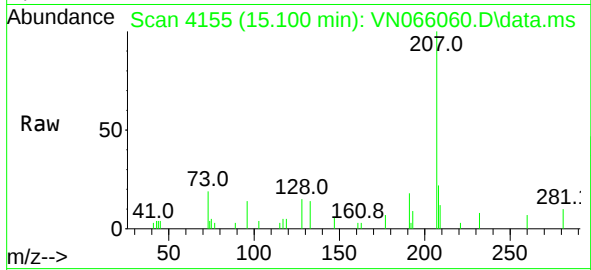
Tgt Ion: 75 Resp: 286  
Ion Ratio Lower Upper  
75 100  
155 0.0 44.1 132.4#  
157 0.0 56.0 168.2#





#95  
Naphthalene  
Concen: 3.41 ug/l  
RT: 15.100 min Scan# 4155  
Delta R.T. 0.003 min  
Lab File: VN066060.D  
Acq: 26 Feb 2021 18:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 0.0   | 10.2  | 15.2# |
| 129     | 0.0   | 8.6   | 13.0# |

