

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042921\  
 Data File : VN066874.D  
 Acq On : 29 Apr 2021 20:04  
 Operator : JC/MD  
 Sample : M2137-12  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 30 06:16:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 27 16:02:50 2021  
 Response via : Initial Calibration

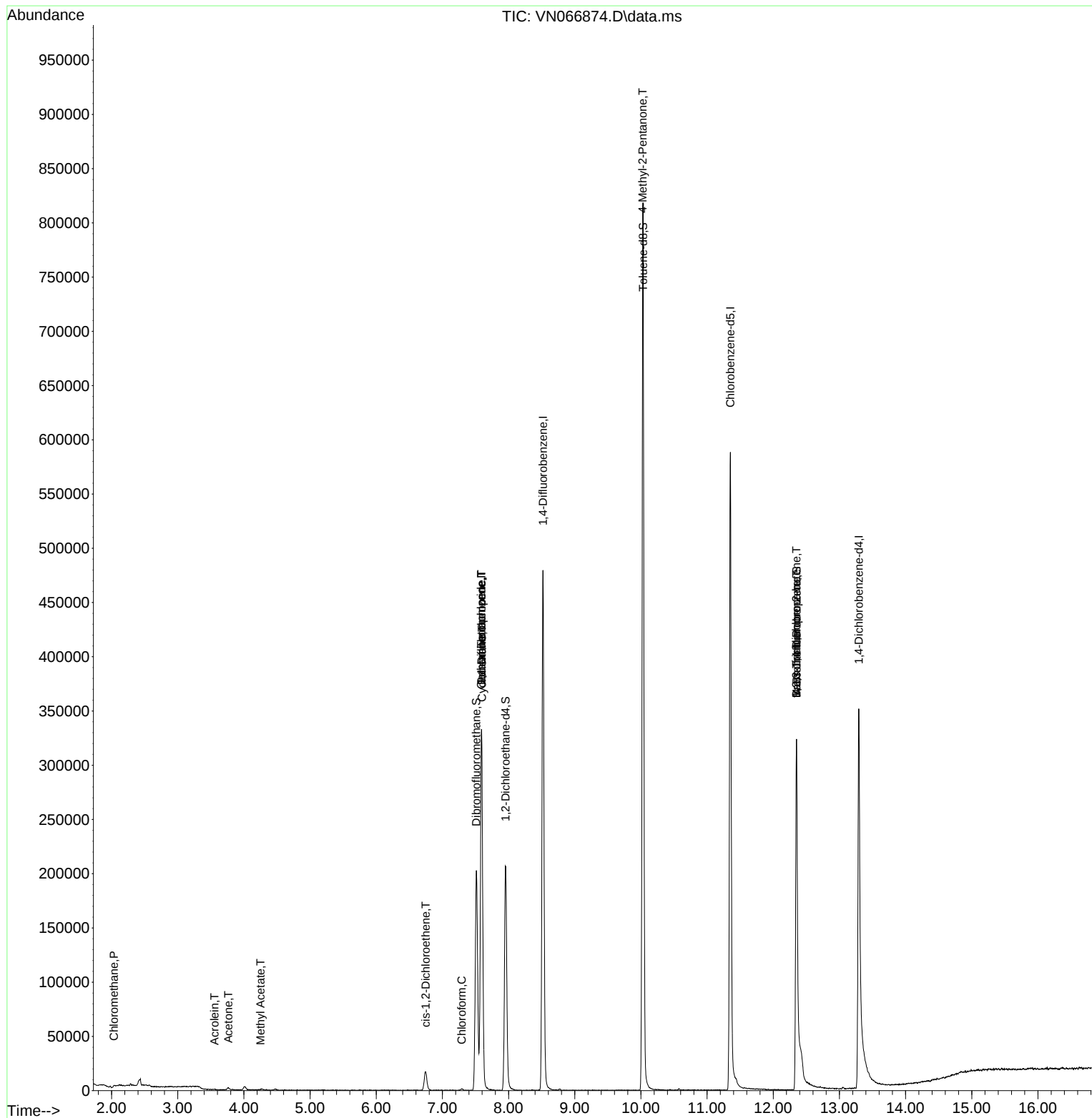
| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) Pentafluorobenzene         | 7.591          | 168  | 303497             | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.519          | 114  | 457112             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.351         | 117  | 405387             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.293         | 152  | 154725             | 50.00 | ug/l   | 0.00     |
|                               |                |      |                    |       |        |          |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.953          | 65   | 179800             | 46.11 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 92.22%  |       |        |          |
| 35) Dibromofluoromethane      | 7.513          | 113  | 163068             | 57.79 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 115.58% |       |        |          |
| 50) Toluene-d8                | 10.032         | 98   | 592596             | 53.50 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 107.00% |       |        |          |
| 62) 4-Bromofluorobenzene      | 12.352         | 95   | 165177             | 44.08 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 88.16%  |       |        |          |
|                               |                |      |                    |       |        |          |
| Target Compounds              |                |      |                    |       |        | Qvalue   |
| 3) Chloromethane              | 2.034          | 50   | 988                | 0.23  | ug/l   | 99       |
| 13) Acrolein                  | 3.555          | 56   | 306                | 0.61  | ug/l # | 60       |
| 16) Acetone                   | 3.764          | 43   | 3245               | 2.21  | ug/l   | 95       |
| 18) Methyl Acetate            | 4.249          | 43   | 711                | 1.29  | ug/l # | 72       |
| 27) cis-1,2-Dichloroethene    | 6.746          | 96   | 12632              | 3.34  | ug/l   | 88       |
| 30) Chloroform                | 7.291          | 83   | 1785               | 0.29  | ug/l   | 97       |
| 31) Cyclohexane               | 7.596          | 56   | 4849               | 0.80  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.591          | 75   | 19286              | 4.54  | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.588          | 117  | 25234              | 6.20  | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.026         | 43   | 2079               | 0.53  | ug/l # | 1        |
| 71) Bromoform                 | 12.349         | 173  | 875                | 0.40  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.349         | 75   | 65960              | 20.23 | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.349         | 75   | 65960              | 55.59 | ug/l # | 12       |
| -----                         |                |      |                    |       |        |          |

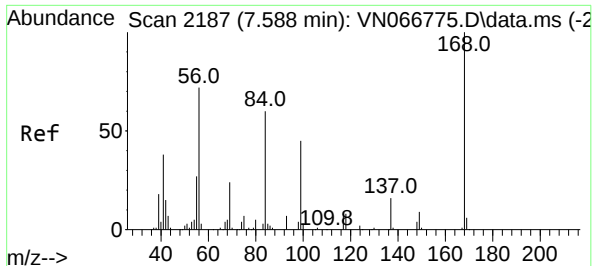
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042921\  
Data File : VN066874.D  
Acq On : 29 Apr 2021 20:04  
Operator : JC/MD  
Sample : M2137-12  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Apr 30 06:16:49 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 27 16:02:50 2021  
Response via : Initial Calibration

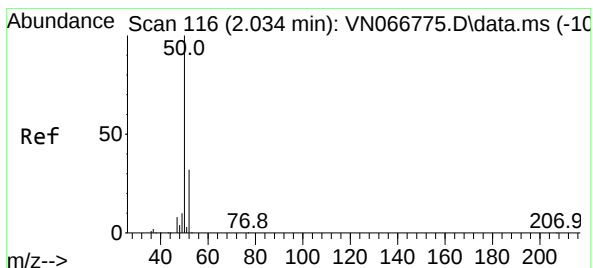
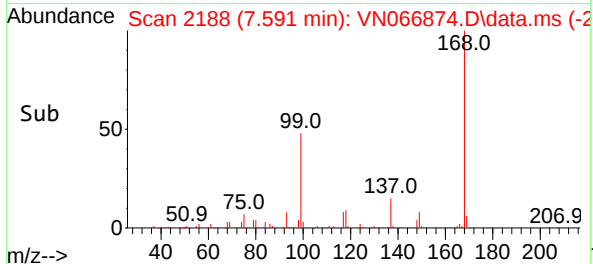
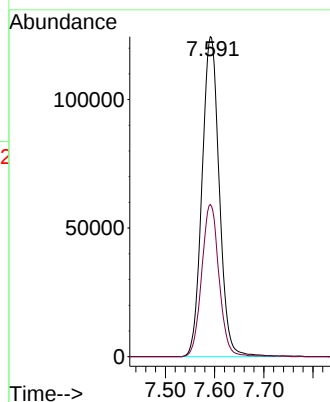
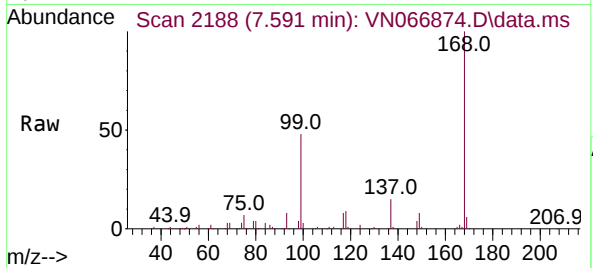




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.591 min Scan# 2188  
Delta R.T. 0.003 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

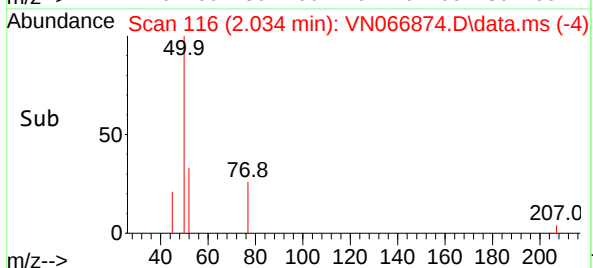
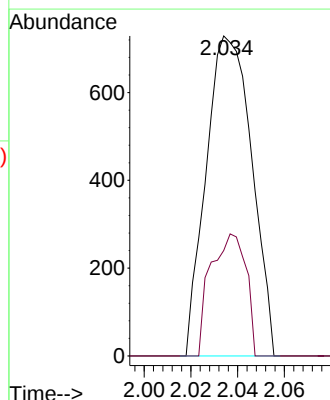
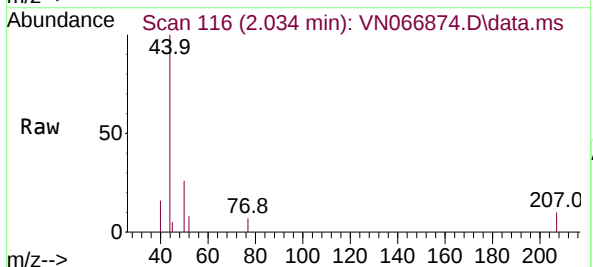
Instrument :  
MSVOA\_N  
ClientSampled :

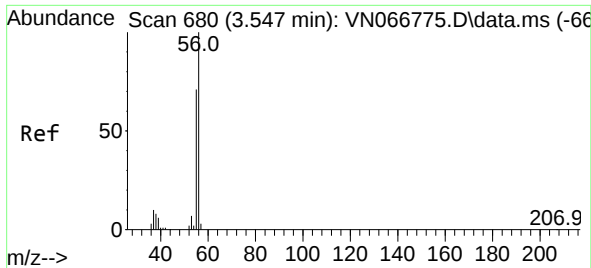
Tgt Ion:168 Resp: 303497  
Ion Ratio Lower Upper  
168 100  
99 47.6 42.6 63.8



#3  
Chloromethane  
Concen: 0.23 ug/l  
RT: 2.034 min Scan# 116  
Delta R.T. 0.000 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

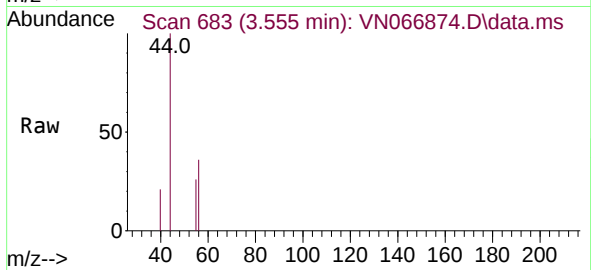
Tgt Ion: 50 Resp: 988  
Ion Ratio Lower Upper  
50 100  
52 32.9 25.8 38.8



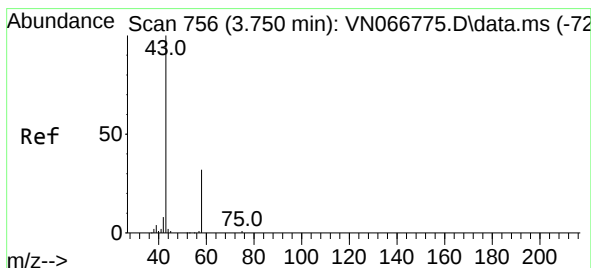
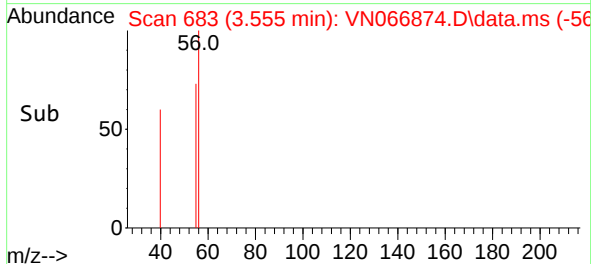
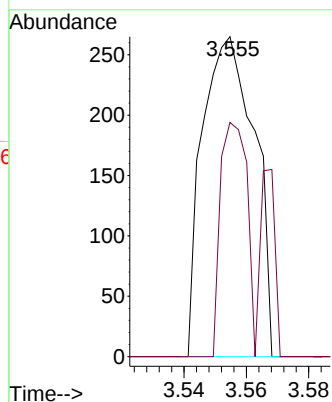


#13  
Acrolein  
Concen: 0.61 ug/l  
RT: 3.555 min Scan# 683  
Delta R.T. 0.008 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

Instrument :  
MSVOA\_N  
ClientSampled :

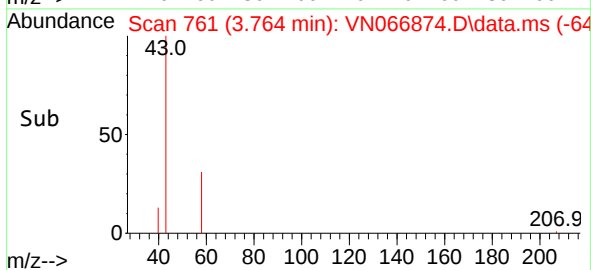
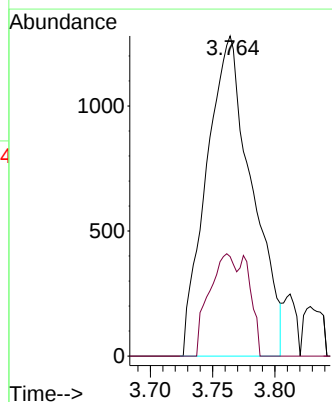
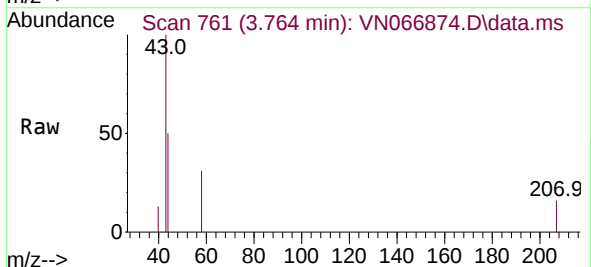


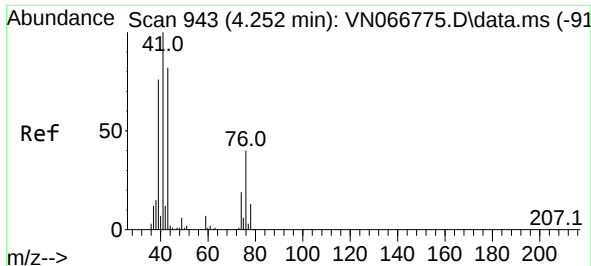
Tgt Ion: 56 Resp: 306  
Ion Ratio Lower Upper  
56 100  
55 37.3 56.0 84.0#



#16  
Acetone  
Concen: 2.21 ug/l  
RT: 3.764 min Scan# 761  
Delta R.T. 0.014 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

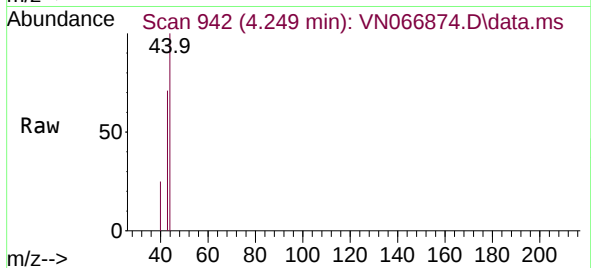
Tgt Ion: 43 Resp: 3245  
Ion Ratio Lower Upper  
43 100  
58 31.1 27.0 40.6



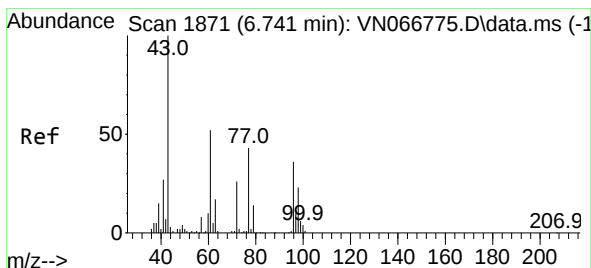
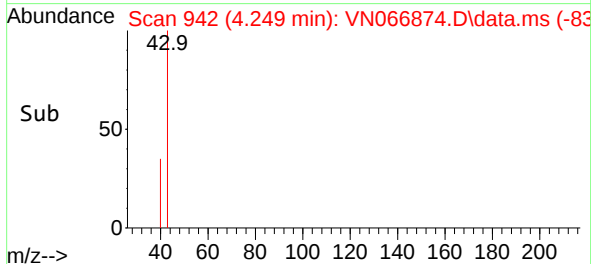
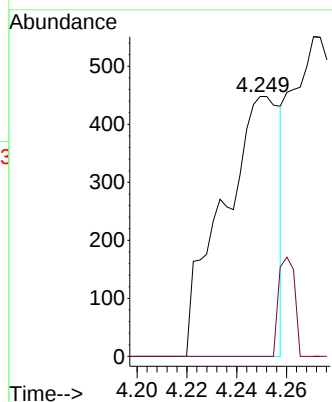


#18  
Methyl Acetate  
Concen: 1.29 ug/l  
RT: 4.249 min Scan# 942  
Delta R.T. -0.003 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

Instrument :  
MSVOA\_N  
ClientSampleId :

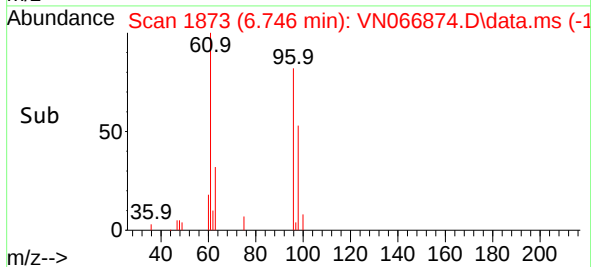
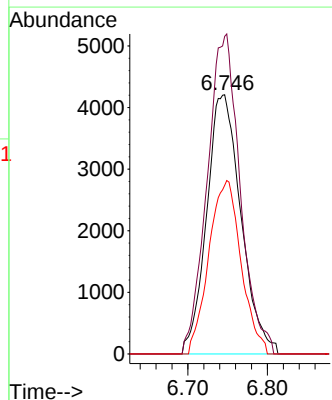
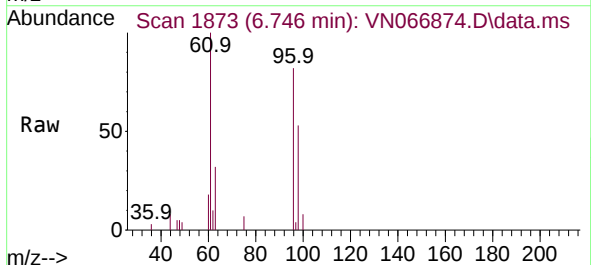


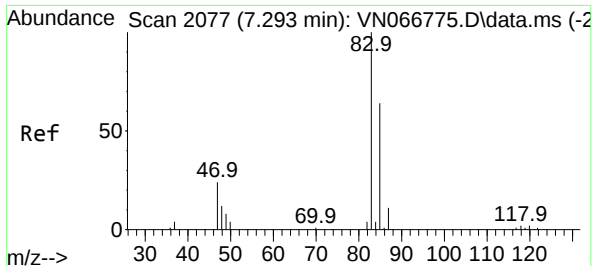
Tgt Ion: 43 Resp: 711  
Ion Ratio Lower Upper  
43 100  
74 10.7 19.5 29.3#



#27  
cis-1,2-Dichloroethene  
Concen: 3.34 ug/l  
RT: 6.746 min Scan# 1873  
Delta R.T. 0.005 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

Tgt Ion: 96 Resp: 12632  
Ion Ratio Lower Upper  
96 100  
61 118.4 0.0 276.8  
98 62.8 0.0 129.4





#30

Chloroform

Concen: 0.29 ug/l

RT: 7.291 min Scan# 2076

Delta R.T. -0.002 min

Lab File: VN066874.D

Acq: 29 Apr 2021 20:04

Tgt Ion: 83 Resp: 1785

Ion Ratio Lower Upper

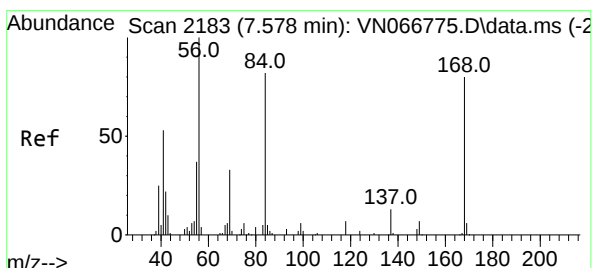
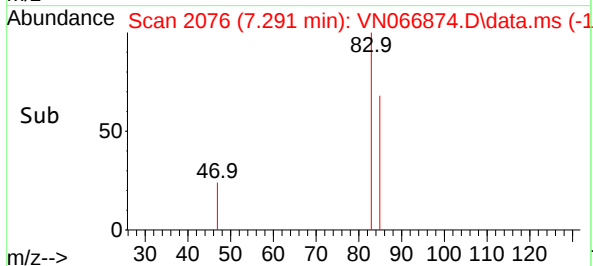
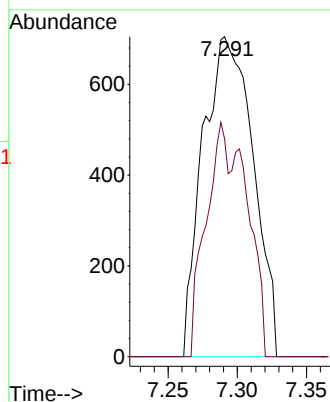
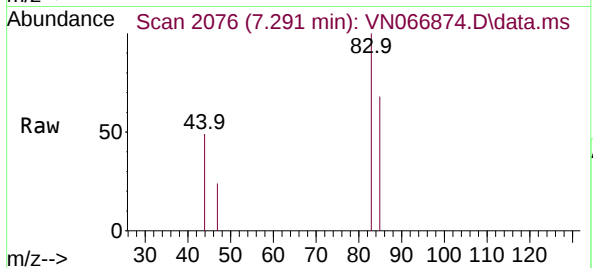
83 100

85 68.2 52.6 78.8

Instrument :

MSVOA\_N

ClientSampled :



#31

Cyclohexane

Concen: 0.80 ug/l

RT: 7.596 min Scan# 2190

Delta R.T. 0.018 min

Lab File: VN066874.D

Acq: 29 Apr 2021 20:04

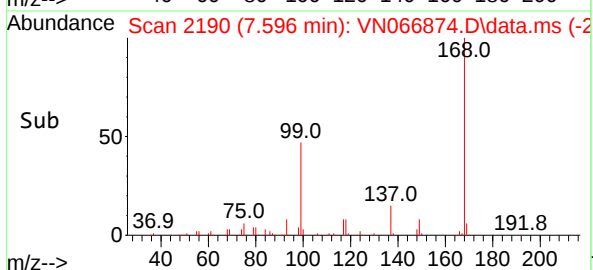
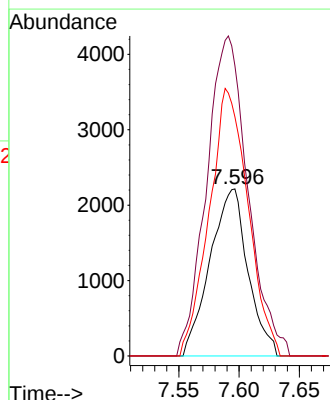
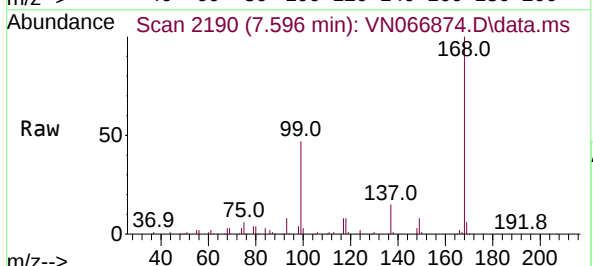
Tgt Ion: 56 Resp: 4849

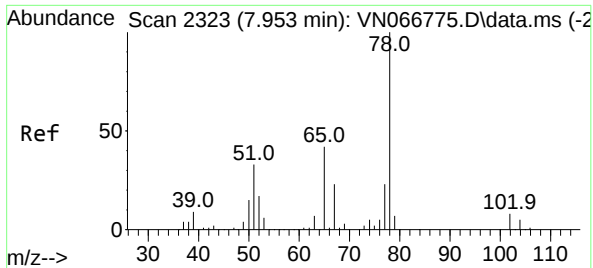
Ion Ratio Lower Upper

56 100

69 165.3 26.6 39.8#

84 143.1 70.4 105.6#

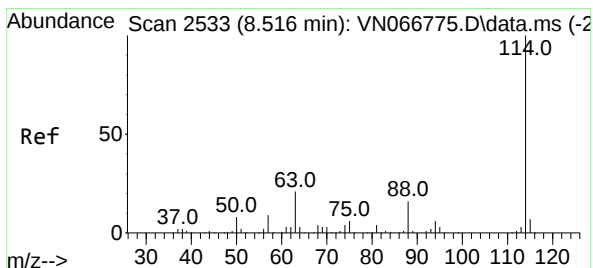
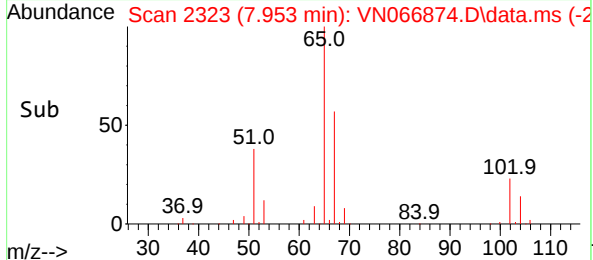
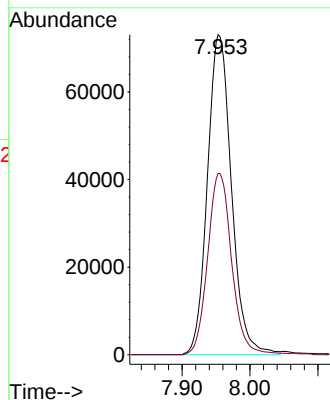
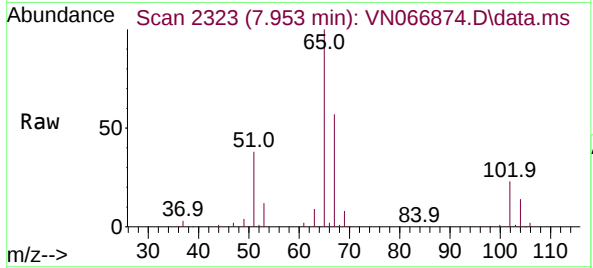




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.11 ug/l  
 RT: 7.953 min Scan# 2323  
 Delta R.T. 0.000 min  
 Lab File: VN066874.D  
 Acq: 29 Apr 2021 20:04

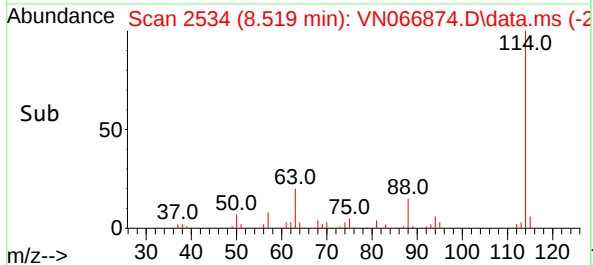
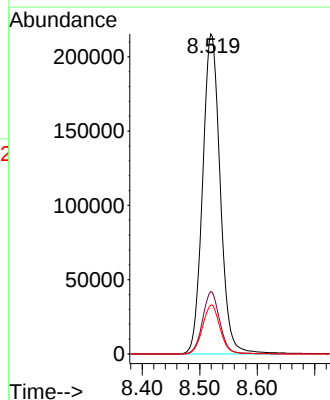
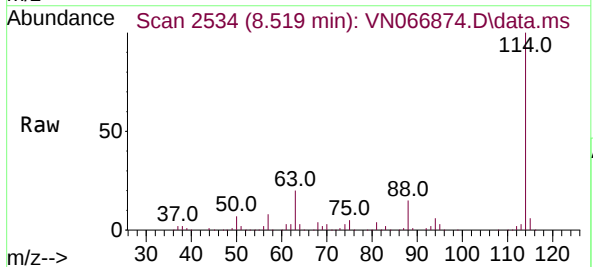
Instrument :  
 MSVOA\_N  
 ClientSampled :

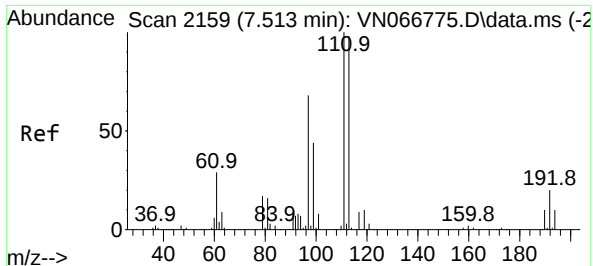
Tgt Ion: 65 Resp: 179800  
 Ion Ratio Lower Upper  
 65 100  
 67 56.5 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.519 min Scan# 2534  
 Delta R.T. 0.003 min  
 Lab File: VN066874.D  
 Acq: 29 Apr 2021 20:04

Tgt Ion: 114 Resp: 457112  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 38.6  
 88 15.3 0.0 30.6

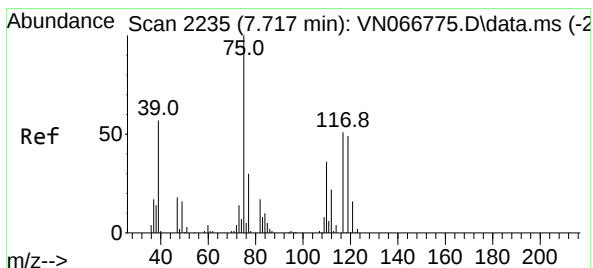
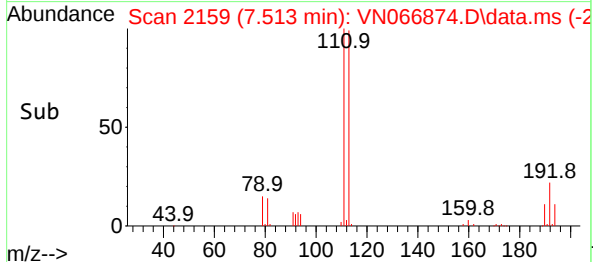
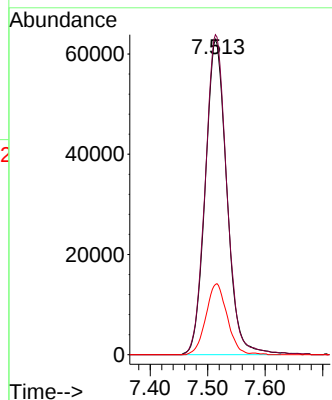
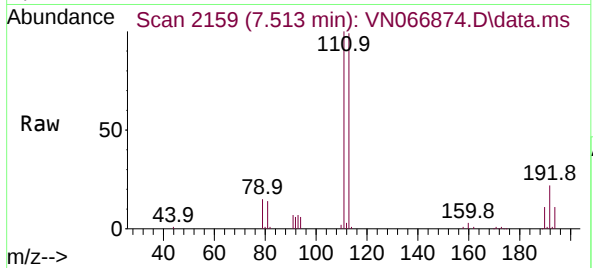




#35  
Dibromofluoromethane  
Concen: 57.79 ug/l  
RT: 7.513 min Scan# 2159  
Delta R.T. 0.000 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

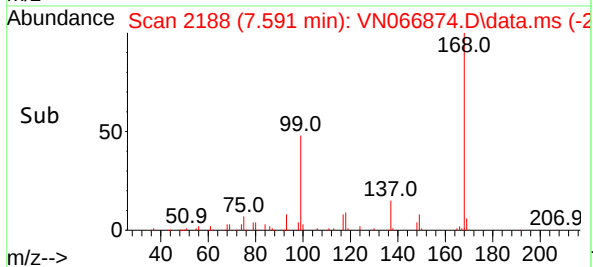
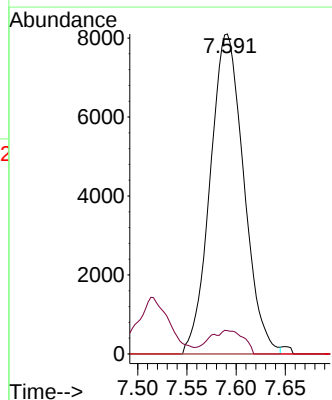
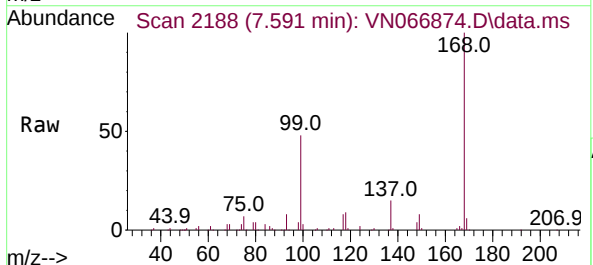
Instrument :  
MSVOA\_N  
ClientSampleId :

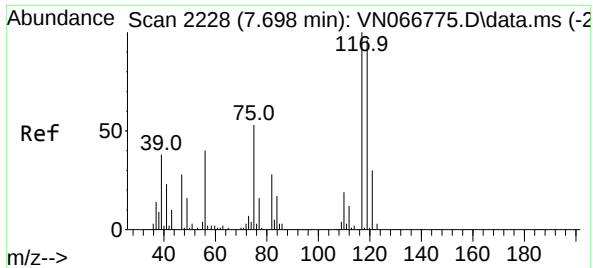
Tgt Ion:113 Resp: 163068  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.2 123.2  
192 22.2 15.4 23.0



#36  
1,1-Dichloropropene  
Concen: 4.54 ug/l  
RT: 7.591 min Scan# 2188  
Delta R.T. -0.126 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

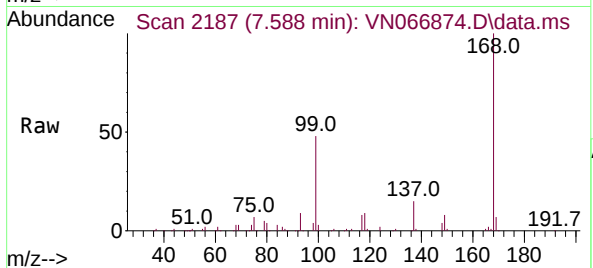
Tgt Ion: 75 Resp: 19286  
Ion Ratio Lower Upper  
75 100  
110 7.5 18.2 54.6#  
77 0.0 24.9 37.3#



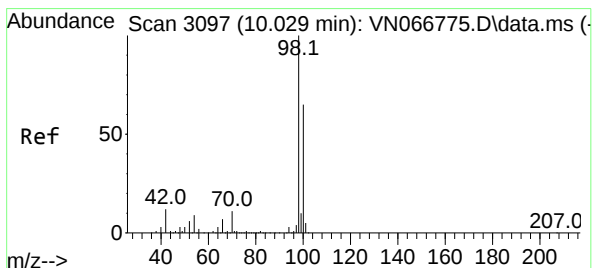
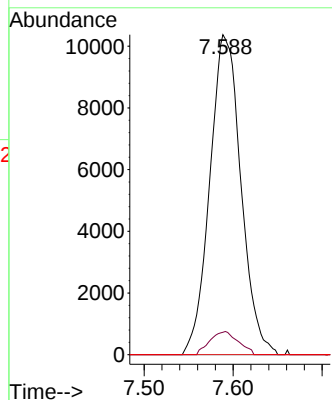
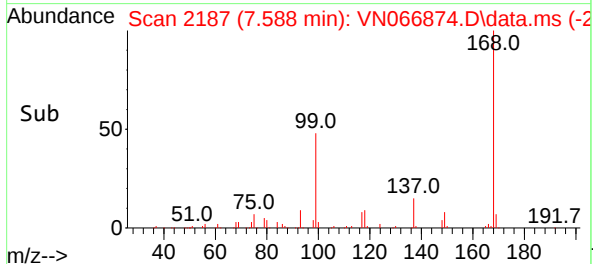


#38  
Carbon Tetrachloride  
Concen: 6.20 ug/l  
RT: 7.588 min Scan# 2187  
Delta R.T. -0.110 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

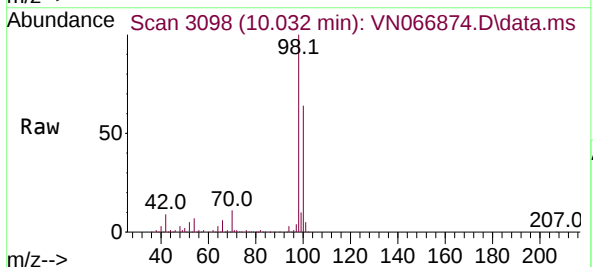
Instrument :  
MSVOA\_N  
ClientSampleId :



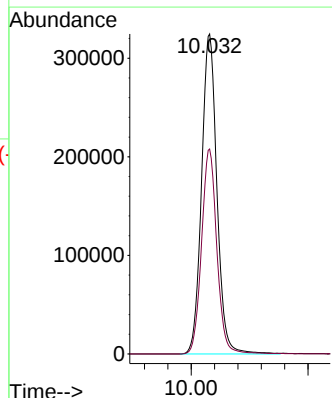
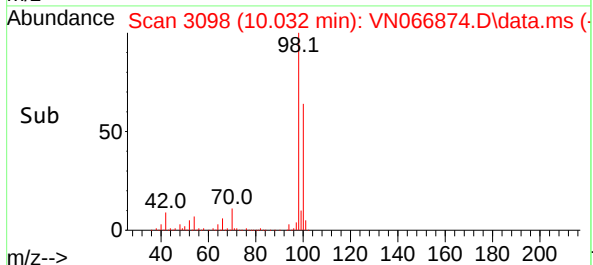
Tgt Ion:117 Resp: 25234  
Ion Ratio Lower Upper  
117 100  
119 7.0 76.0 114.0#  
121 0.0 24.5 36.7#

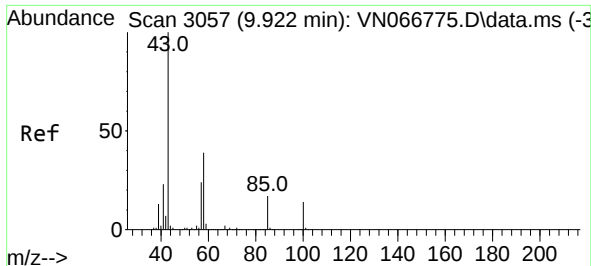


#50  
Toluene-d8  
Concen: 53.50 ug/l  
RT: 10.032 min Scan# 3098  
Delta R.T. 0.003 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04



Tgt Ion: 98 Resp: 592596  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.5 75.7

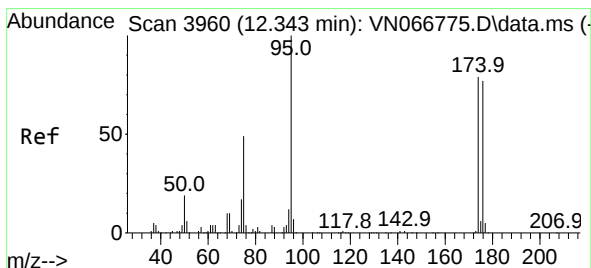
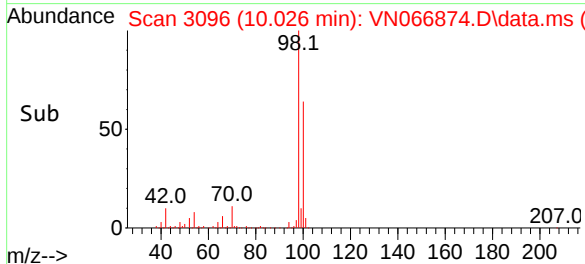
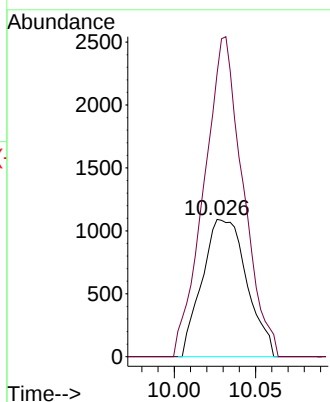
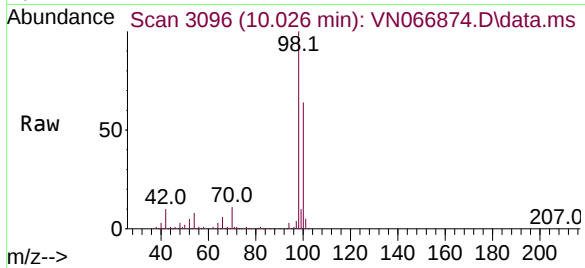




#51  
4-Methyl-2-Pentanone  
Concen: 0.53 ug/l  
RT: 10.026 min Scan# 3096  
Delta R.T. 0.104 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

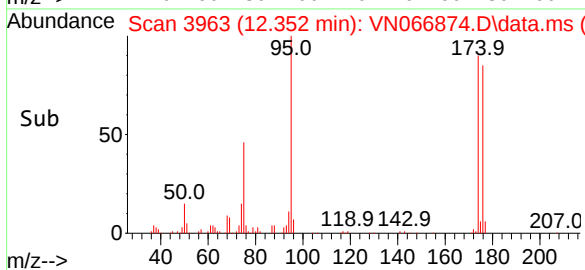
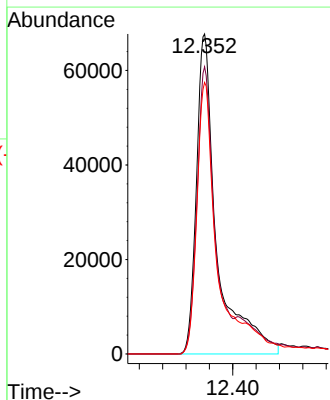
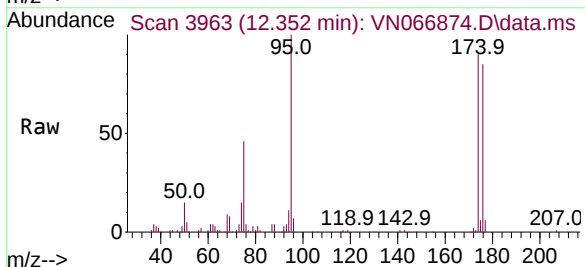
Instrument :  
MSVOA\_N  
ClientSampled :

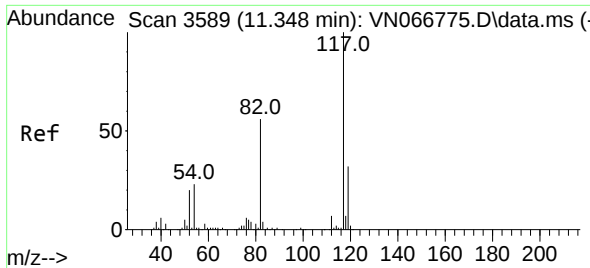
Tgt Ion: 43 Resp: 2079  
Ion Ratio Lower Upper  
43 100  
58 204.1 32.5 48.7#



#62  
4-Bromofluorobenzene  
Concen: 44.08 ug/l  
RT: 12.352 min Scan# 3963  
Delta R.T. 0.009 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

Tgt Ion: 95 Resp: 165177  
Ion Ratio Lower Upper  
95 100  
174 75.7 0.0 169.0  
176 86.2 0.0 162.4

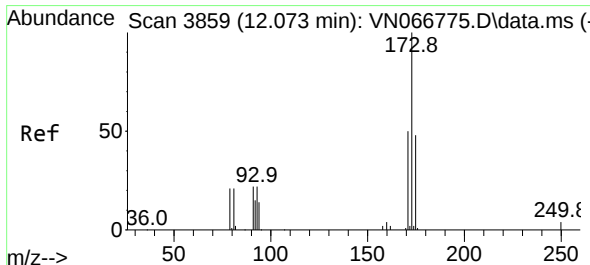
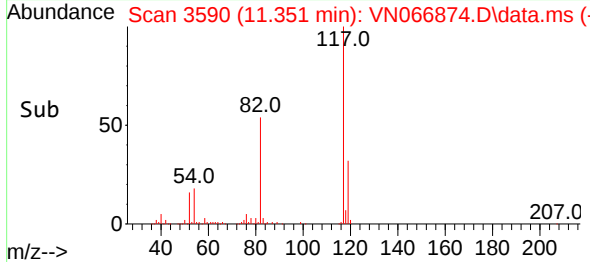
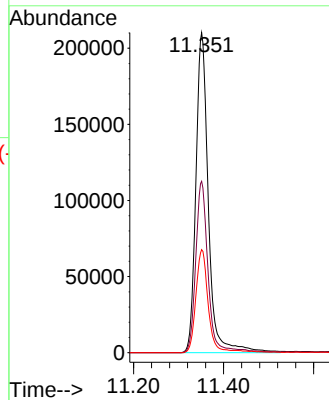
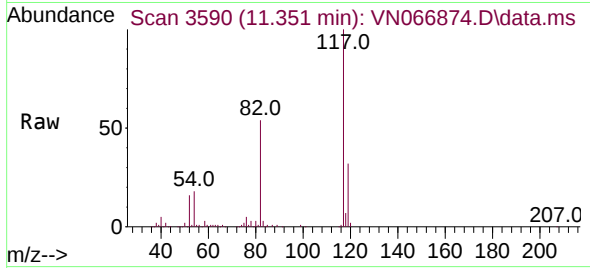




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.351 min Scan# 3590  
Delta R.T. 0.003 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

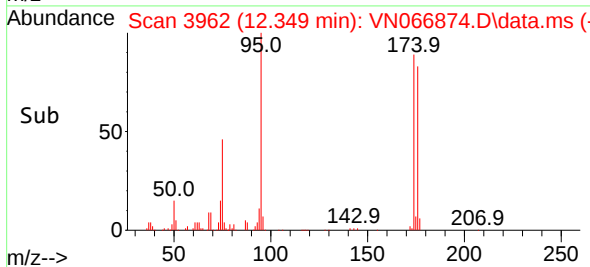
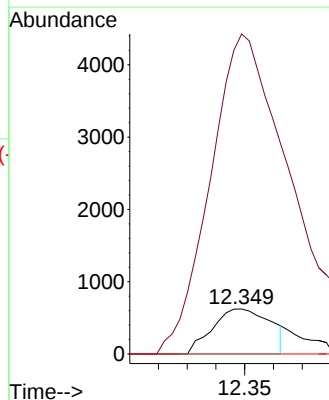
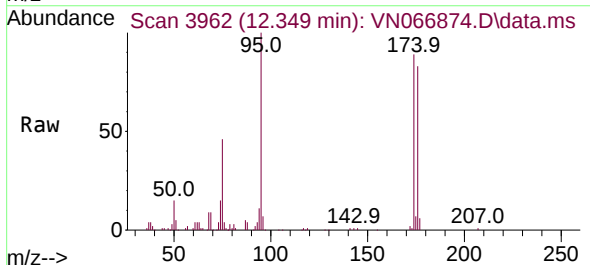
Instrument :  
MSVOA\_N  
ClientSampled :

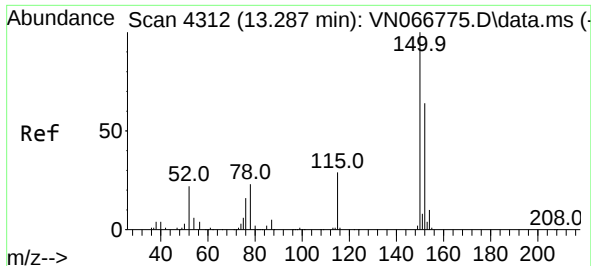
Tgt Ion:117 Resp: 405387  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.7 65.5  
119 32.2 26.1 39.1



#71  
Bromoform  
Concen: 0.40 ug/l  
RT: 12.349 min Scan# 3962  
Delta R.T. 0.276 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

Tgt Ion:173 Resp: 875  
Ion Ratio Lower Upper  
173 100  
175 754.5 23.8 71.2#  
254 0.0 0.0 0.0

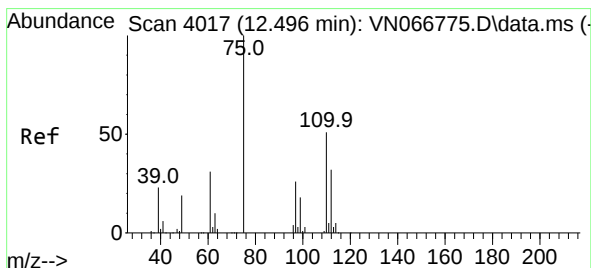
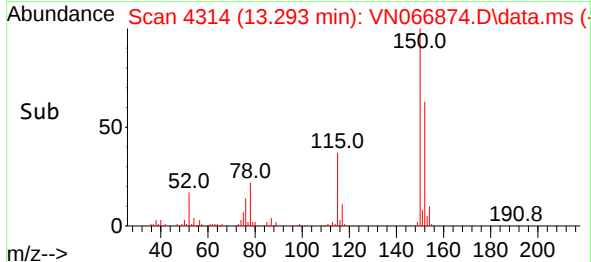
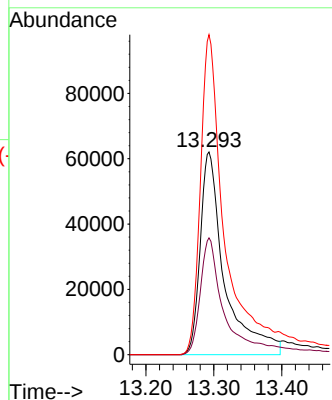
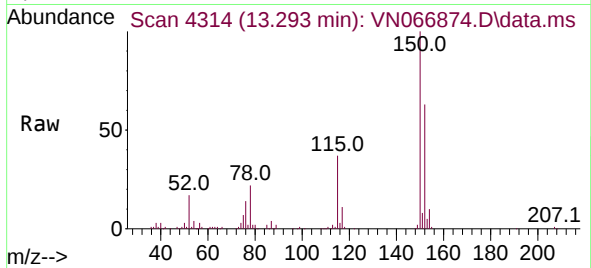




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.293 min Scan# 4314  
Delta R.T. 0.006 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

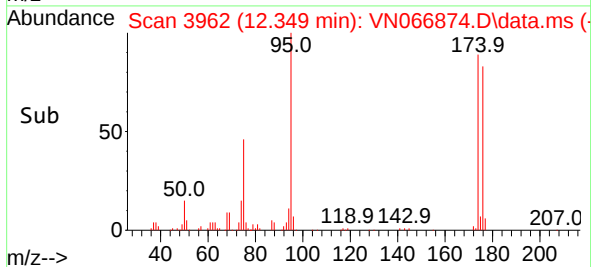
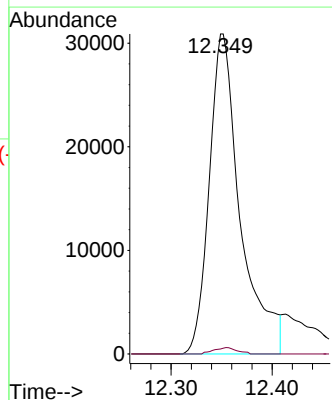
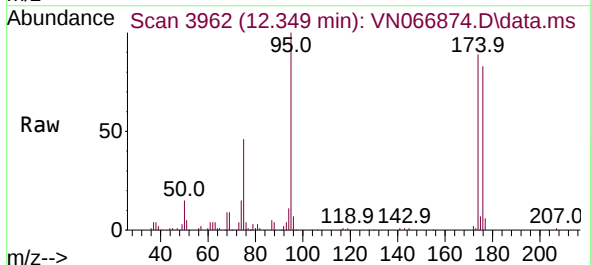
Instrument :  
MSVOA\_N  
ClientSampleId :

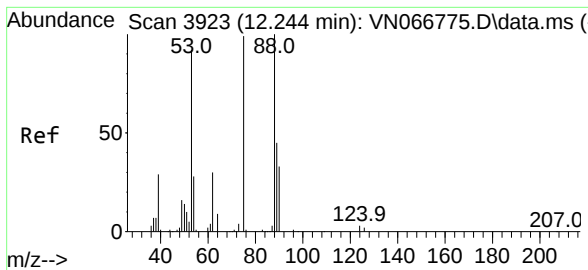
Tgt Ion:152 Resp: 154725  
Ion Ratio Lower Upper  
152 100  
115 58.7 28.5 85.6  
150 154.9 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 20.23 ug/l  
RT: 12.349 min Scan# 3962  
Delta R.T. -0.147 min  
Lab File: VN066874.D  
Acq: 29 Apr 2021 20:04

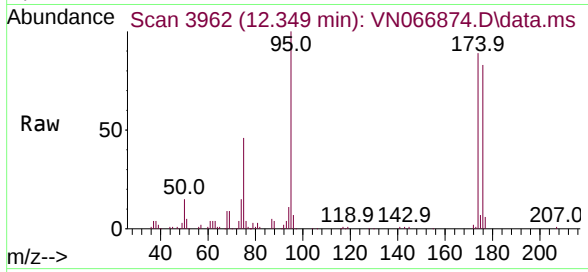
Tgt Ion: 75 Resp: 65960  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 55.59 ug/l  
 RT: 12.349 min Scan# 3962  
 Delta R.T. 0.105 min  
 Lab File: VN066874.D  
 Acq: 29 Apr 2021 20:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 65960  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 74.6  | 111.8# |
| 89       | 0.0   | 35.8  | 53.8#  |

