

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090921\  
 Data File : VN068451.D  
 Acq On : 9 Sep 2021 19:06  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Sep 10 04:13:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 10 04:04:05 2021  
 Response via : Initial Calibration

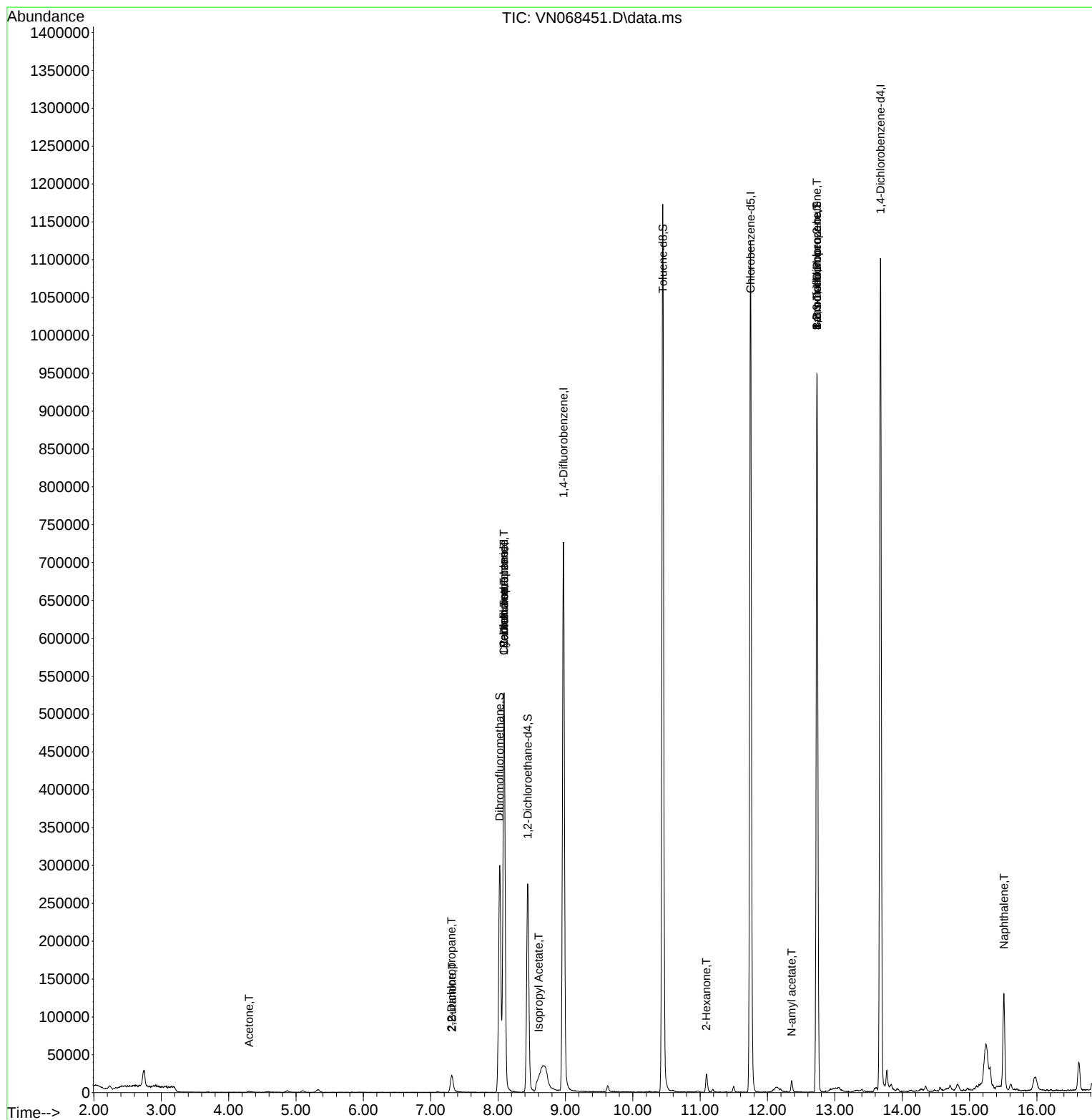
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.088          | 168  | 440427              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.971          | 114  | 719502              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.749         | 117  | 725875              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.678         | 152  | 328082              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440          | 65   | 234470              | 58.037    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 116.080% |           |        |          |
| 35) Dibromofluoromethane      | 8.024          | 113  | 220774              | 50.875    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 101.760% |           |        |          |
| 50) Toluene-d8                | 10.446         | 98   | 878809              | 55.751    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 111.500% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.734         | 95   | 320433              | 63.527    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 127.060% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 11) Tert butyl alcohol        | 5.331          | 59   | 2468                | Below Cal | #      | 84       |
| 16) Acetone                   | 4.304          | 43   | 2485                | 1.859     | ug/l # | 86       |
| 18) Methyl Acetate            | 4.854          | 43   | 1366                | Below Cal | #      | 59       |
| 20) Methylene Chloride        | 5.103          | 84   | 1085                | Below Cal |        | 90       |
| 25) 2-Butanone                | 7.319          | 43   | 1390                | 0.708     | ug/l # | 41       |
| 26) 2,2-Dichloropropane       | 7.308          | 77   | 1696                | 0.285     | ug/l # | 50       |
| 31) Cyclohexane               | 8.086          | 56   | 7445                | 1.216     | ug/l # | 42       |
| 36) 1,1-Dichloropropene       | 8.086          | 75   | 28493               | 4.750     | ug/l # | 41       |
| 38) Carbon Tetrachloride      | 8.088          | 117  | 40827               | 5.681     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.603          | 43   | 16933               | 2.103     | ug/l # | 51       |
| 59) 2-Hexanone                | 11.090         | 43   | 7574                | 2.461     | ug/l   | 73       |
| 71) Bromoform                 | 12.734         | 173  | 2409                | 0.536     | ug/l # | 1        |
| 74) N-amyl acetate            | 12.358         | 43   | 10253               | 1.970     | ug/l # | 41       |
| 76) 1,2,3-Trichloropropane    | 12.734         | 75   | 163023              | 31.478    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.734         | 75   | 163023              | 110.122   | ug/l # | 13       |
| 95) Naphthalene               | 15.509         | 128  | 123833              | 12.364    | ug/l   | 100      |
| -----                         |                |      |                     |           |        |          |

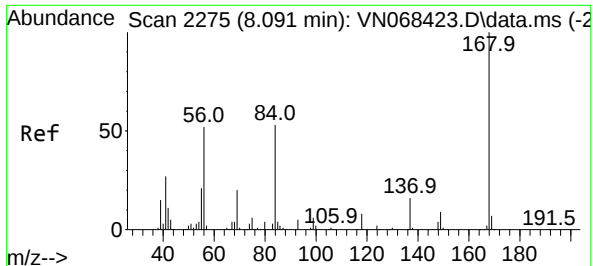
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090921\  
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Sample : IBLK  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Quant Time: Sep 10 04:13:29 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 10 04:04:05 2021  
Response via : Initial Calibration

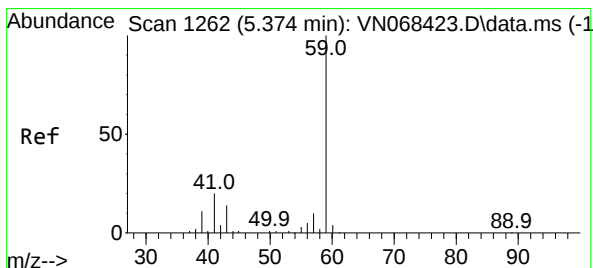
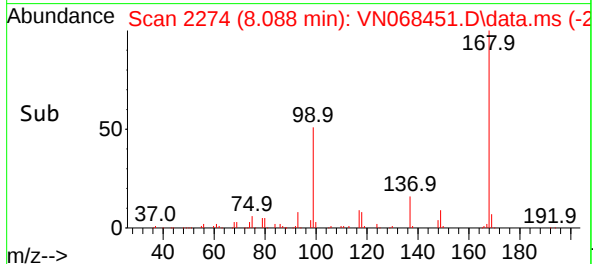
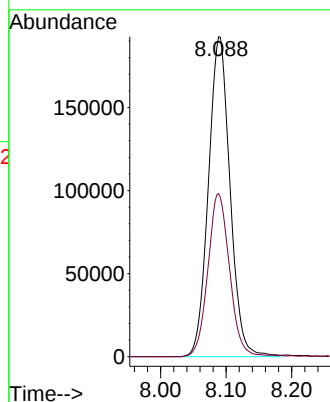
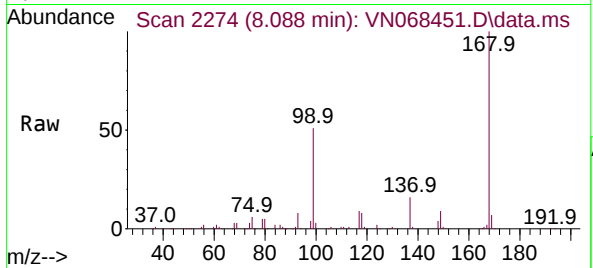




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.003 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

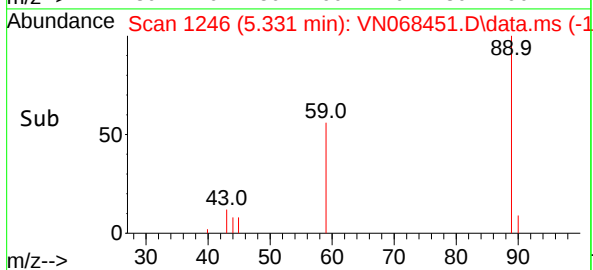
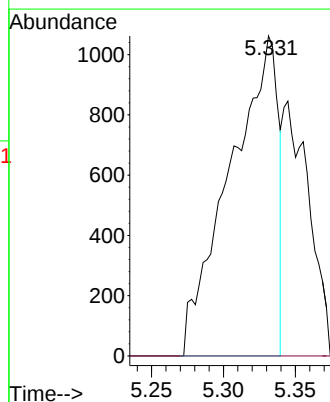
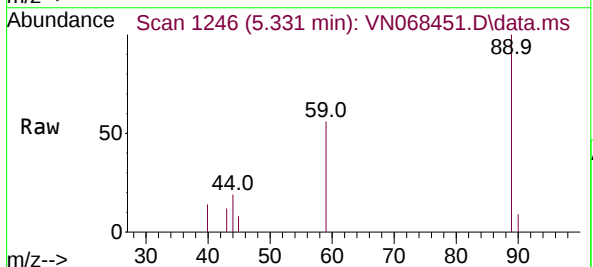
Instrument :  
MSVOA\_N  
ClientSampled :  
IBLK

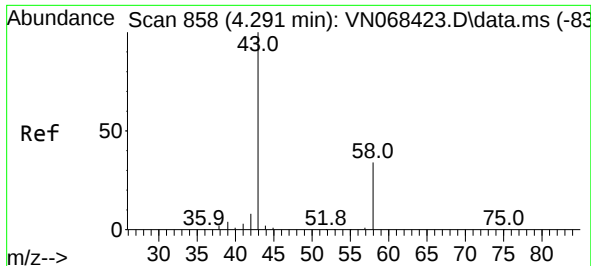
Tgt Ion:168 Resp: 440427  
Ion Ratio Lower Upper  
168 100  
99 51.0 38.2 57.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.331 min Scan# 1246  
Delta R.T. -0.043 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Tgt Ion: 59 Resp: 2468  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.3 6.5#

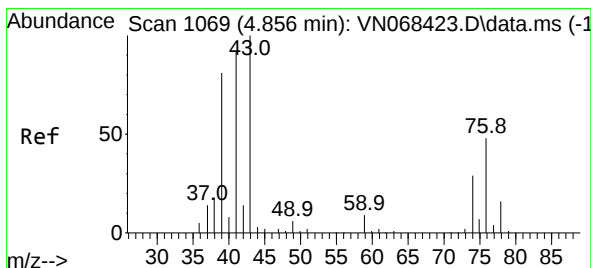
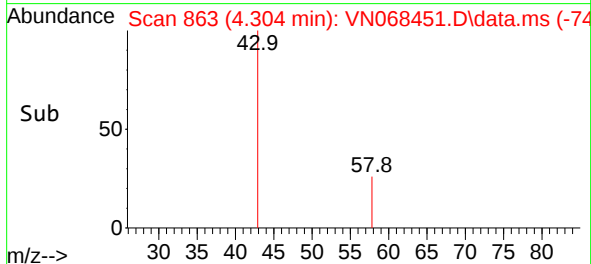
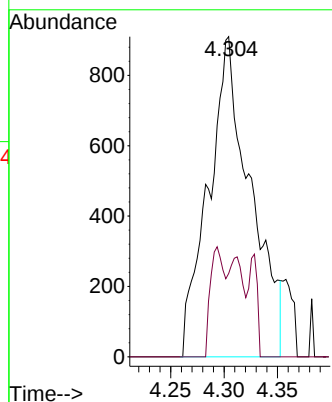
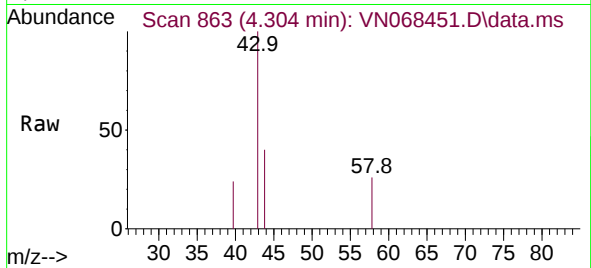




#16  
Acetone  
Concen: 1.859 ug/l  
RT: 4.304 min Scan# 863  
Delta R.T. 0.014 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

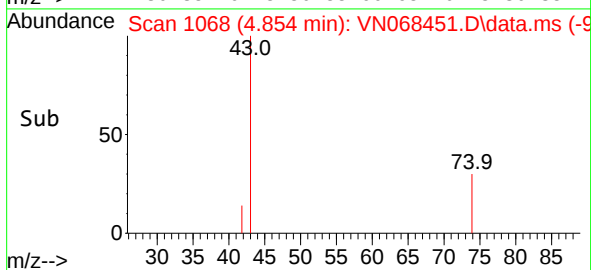
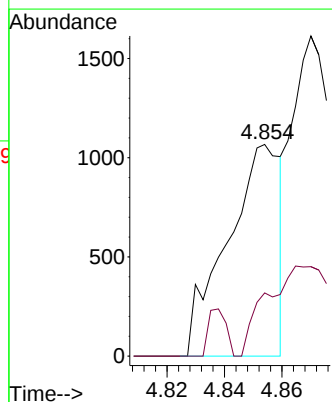
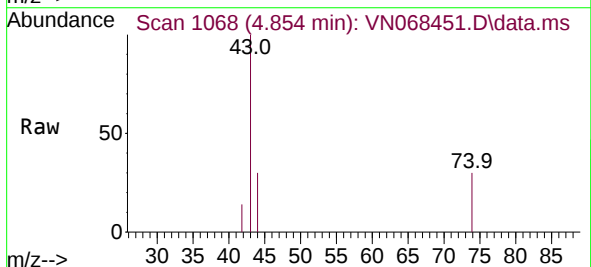
Instrument :  
MSVOA\_N  
ClientSampled :  
IBLK

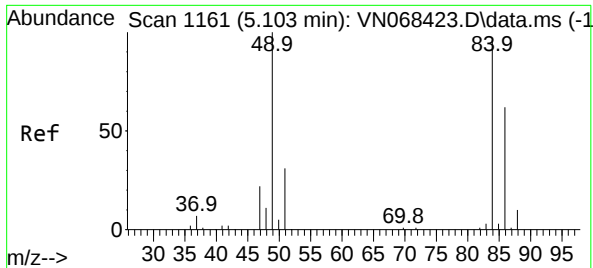
Tgt Ion: 43 Resp: 2485  
Ion Ratio Lower Upper  
43 100  
58 26.0 27.0 40.6#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.854 min Scan# 1068  
Delta R.T. -0.002 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

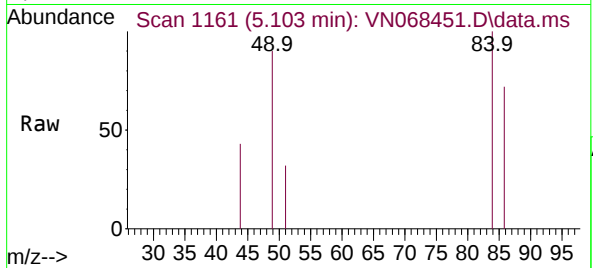
Tgt Ion: 43 Resp: 1366  
Ion Ratio Lower Upper  
43 100  
74 7.5 23.5 35.3#





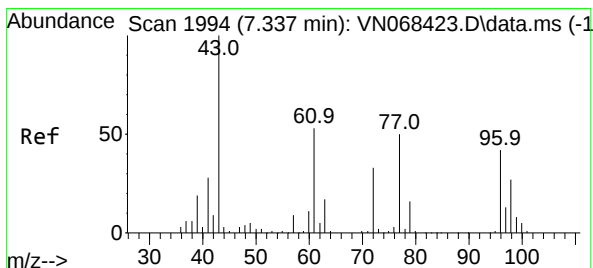
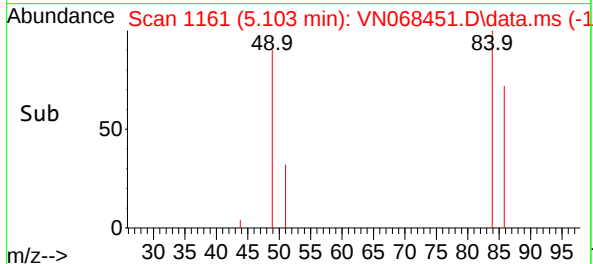
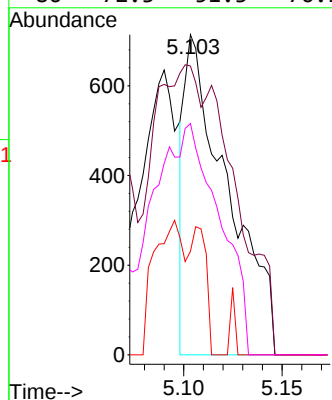
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.103 min Scan# 1161  
Delta R.T. 0.000 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Instrument :  
MSVOA\_N  
ClientSampled :  
IBLK



Tgt Ion: 84 Resp: 1085

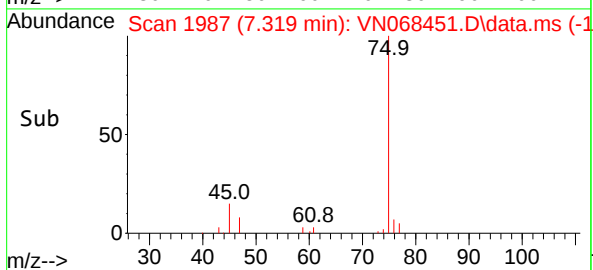
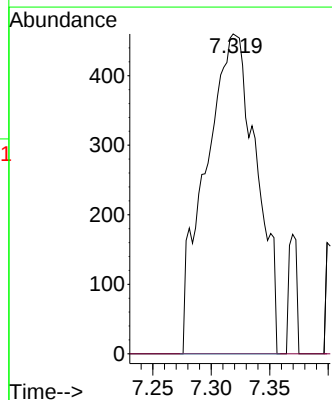
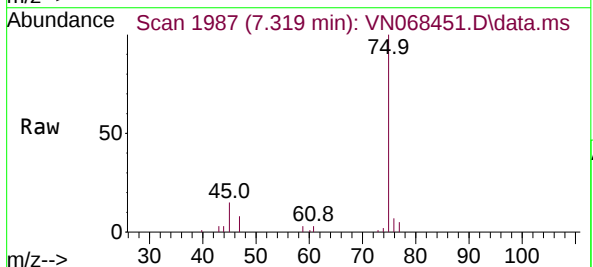
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 90.2  | 83.0  | 124.6 |
| 51  | 32.4  | 25.4  | 38.0  |
| 86  | 72.3  | 51.3  | 76.9  |

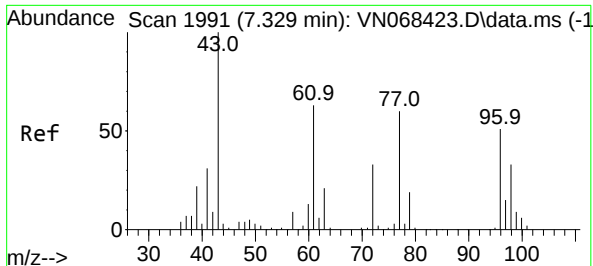


#25  
2-Butanone  
Concen: 0.708 ug/l  
RT: 7.319 min Scan# 1987  
Delta R.T. -0.019 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Tgt Ion: 43 Resp: 1390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 26.7  | 40.1# |

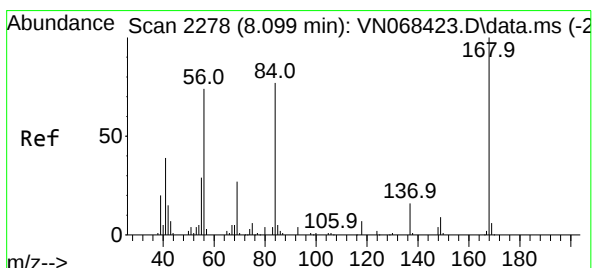
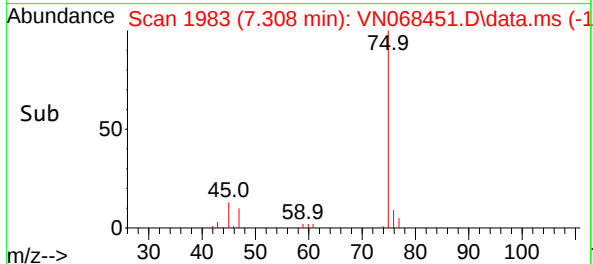
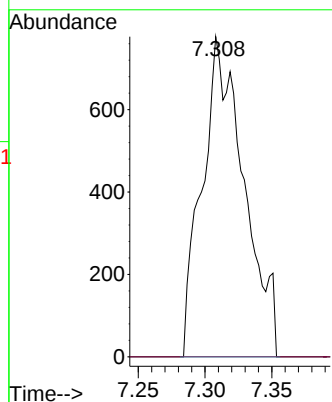
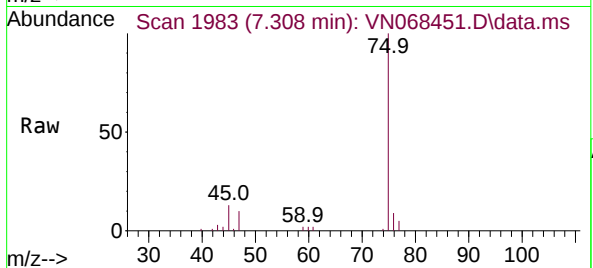




#26  
2,2-Dichloropropane  
Concen: 0.285 ug/l  
RT: 7.308 min Scan# 1983  
Delta R.T. -0.021 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

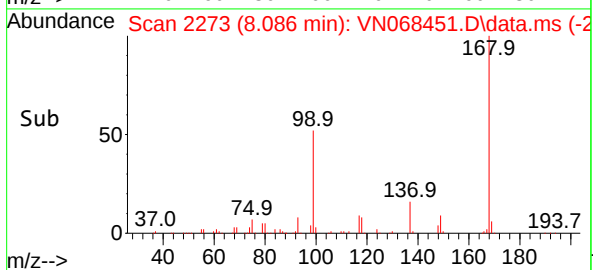
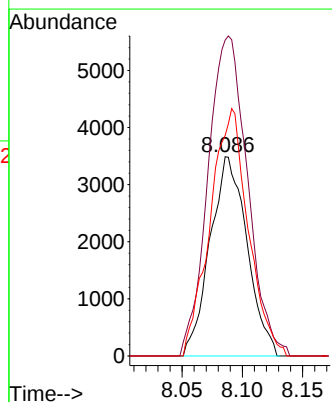
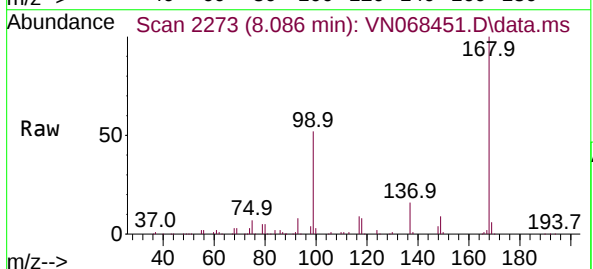
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

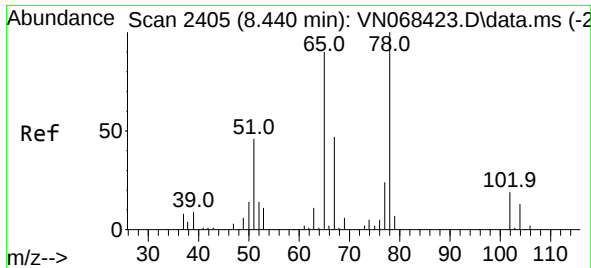
Tgt Ion: 77 Resp: 1696  
Ion Ratio Lower Upper  
77 100  
97 0.0 12.4 37.2#



#31  
Cyclohexane  
Concen: 1.216 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.013 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Tgt Ion: 56 Resp: 7445  
Ion Ratio Lower Upper  
56 100  
69 158.5 29.4 44.0#  
84 110.7 83.6 125.4

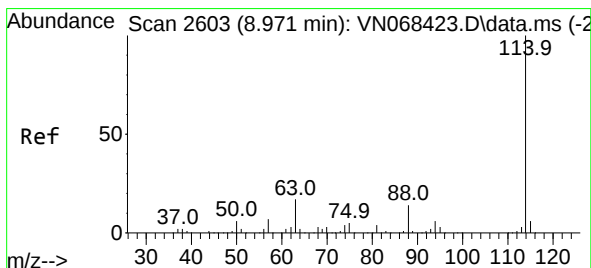
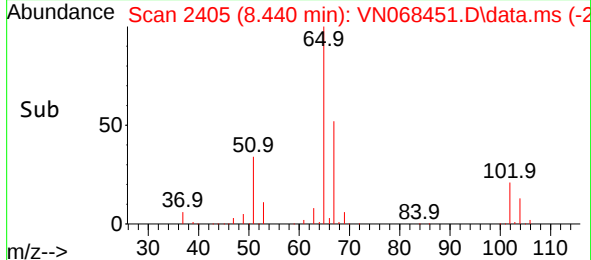
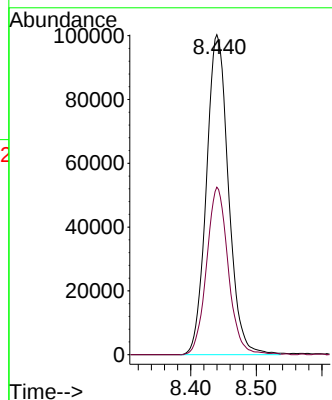
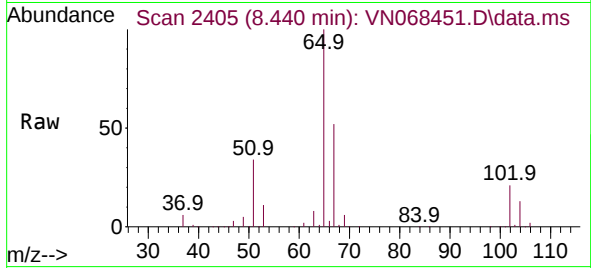




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.037 ug/l  
 RT: 8.440 min Scan# 2405  
 Delta R.T. 0.000 min  
 Lab File: VN068451.D  
 Acq: 9 Sep 2021 19:06

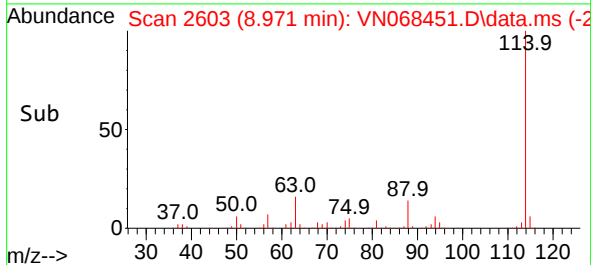
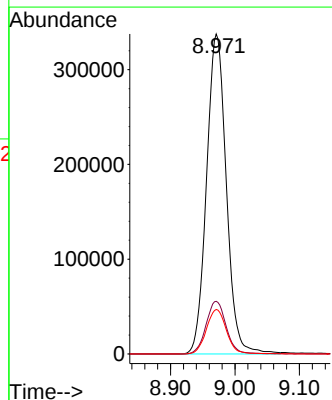
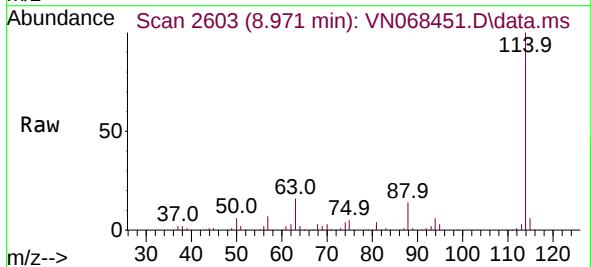
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

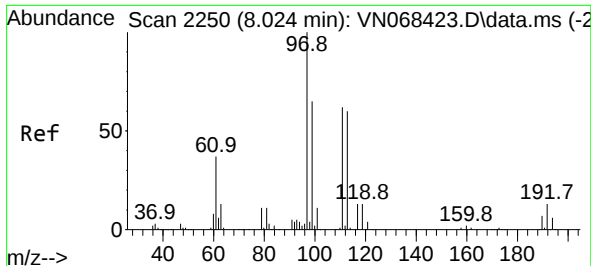
Tgt Ion: 65 Resp: 234470  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.971 min Scan# 2603  
 Delta R.T. -0.000 min  
 Lab File: VN068451.D  
 Acq: 9 Sep 2021 19:06

Tgt Ion: 114 Resp: 719502  
 Ion Ratio Lower Upper  
 114 100  
 63 16.4 0.0 33.2  
 88 13.9 0.0 28.4

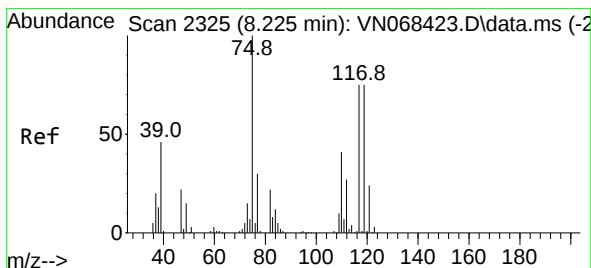
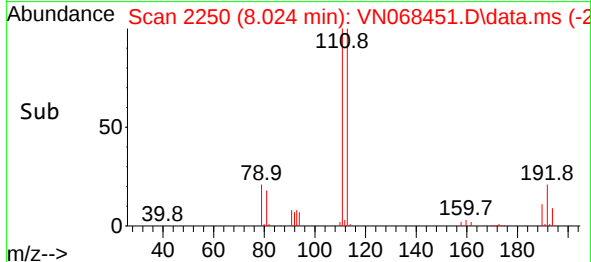
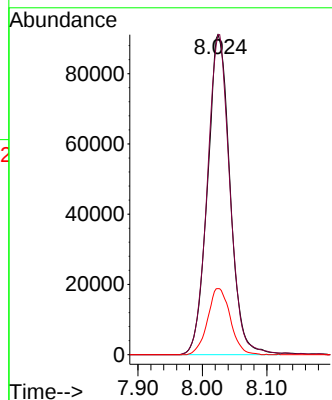
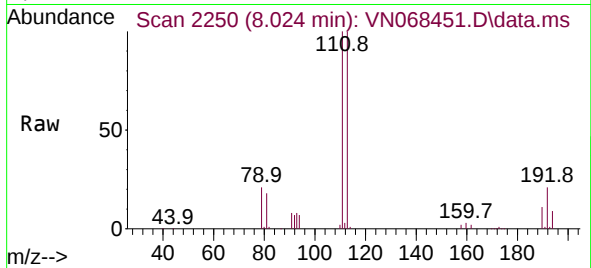




#35  
Dibromofluoromethane  
Concen: 50.875 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

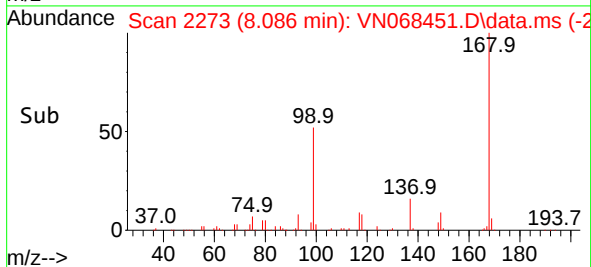
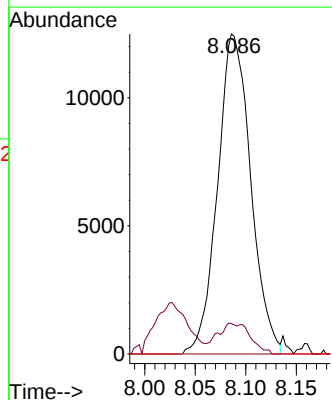
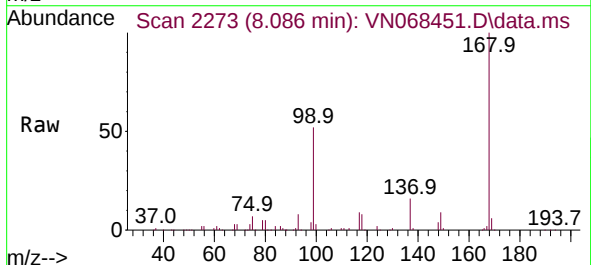
Instrument :  
MSVOA\_N  
ClientSampled :  
IBLK

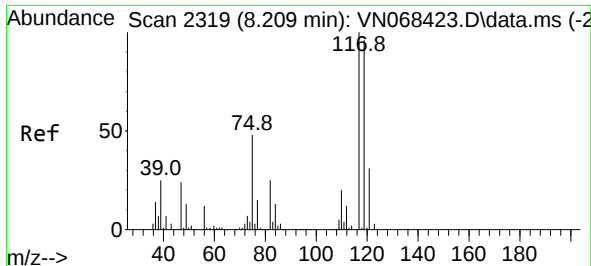
Tgt Ion:113 Resp: 220774  
Ion Ratio Lower Upper  
113 100  
111 100.1 81.1 121.7  
192 20.9 17.7 26.5



#36  
1,1-Dichloropropene  
Concen: 4.750 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.139 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Tgt Ion: 75 Resp: 28493  
Ion Ratio Lower Upper  
75 100  
110 3.1 20.8 62.5#  
77 0.0 25.0 37.6#

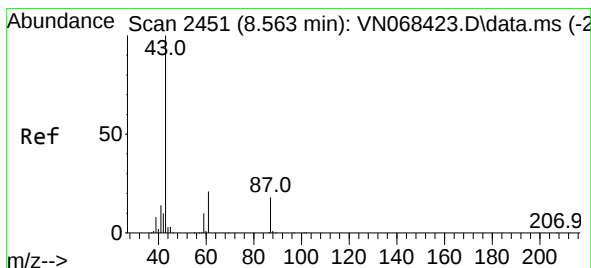
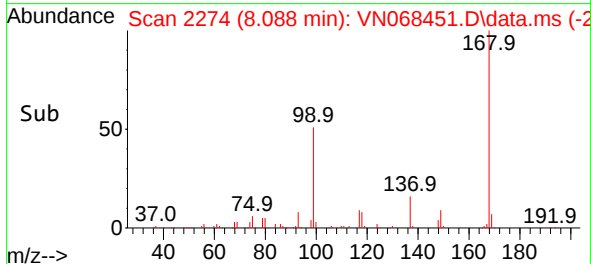
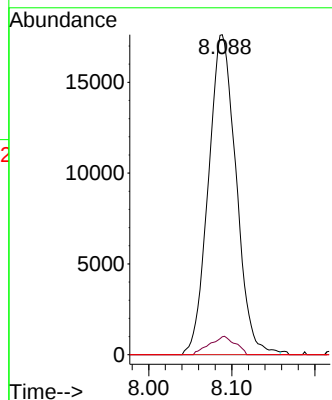
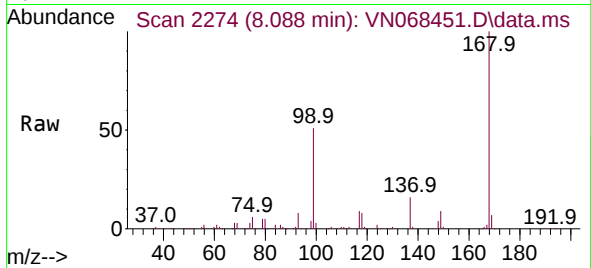




#38  
Carbon Tetrachloride  
Concen: 5.681 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.121 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

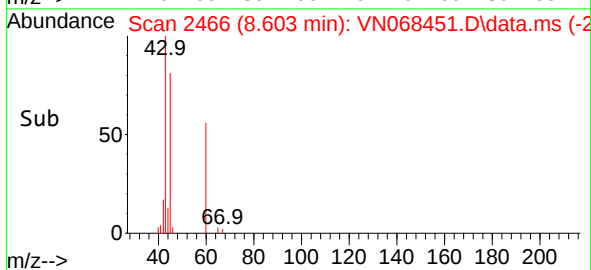
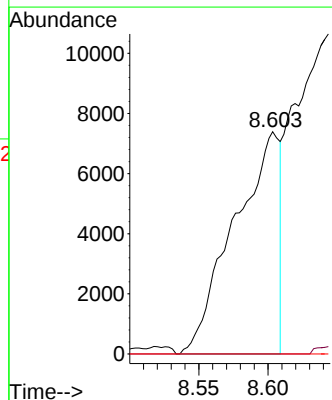
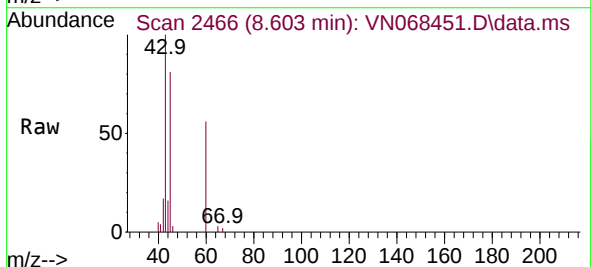
Instrument :  
MSVOA\_N  
ClientSampled :  
IBLK

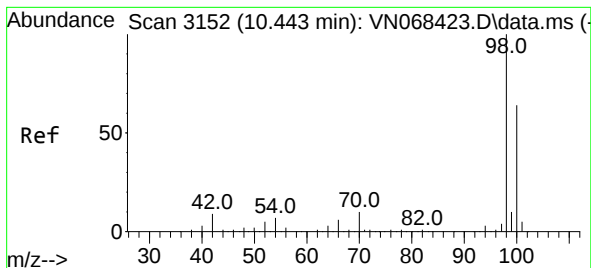
Tgt Ion:117 Resp: 40827  
Ion Ratio Lower Upper  
117 100  
119 5.6 76.6 114.8#  
121 0.0 24.5 36.7#



#43  
Isopropyl Acetate  
Concen: 2.103 ug/l  
RT: 8.603 min Scan# 2466  
Delta R.T. 0.040 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Tgt Ion: 43 Resp: 16933  
Ion Ratio Lower Upper  
43 100  
61 0.0 23.3 34.9#  
87 0.0 13.8 20.6#

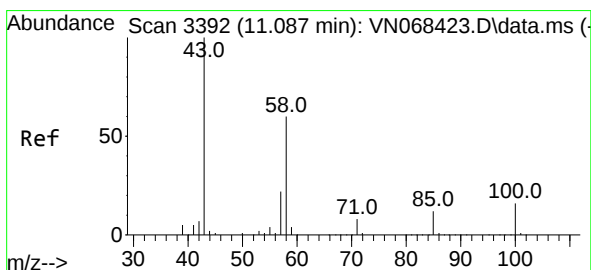
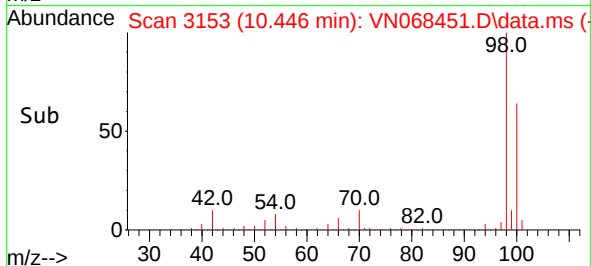
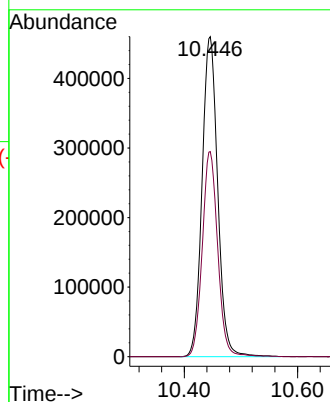
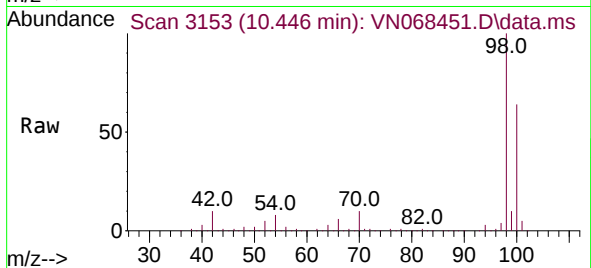




#50  
Toluene-d8  
Concen: 55.751 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

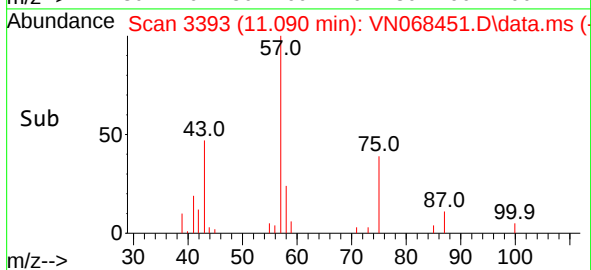
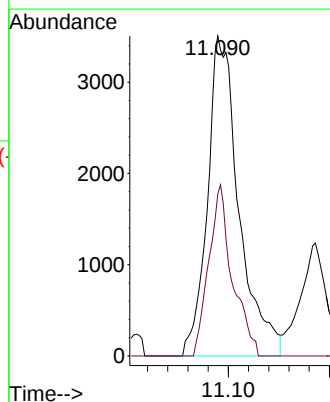
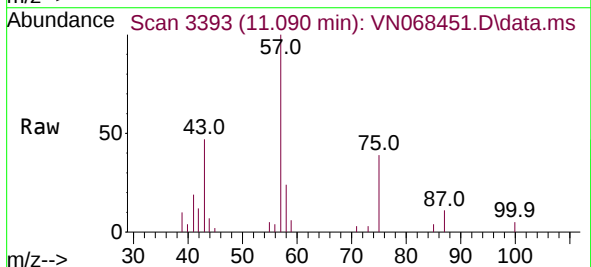
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

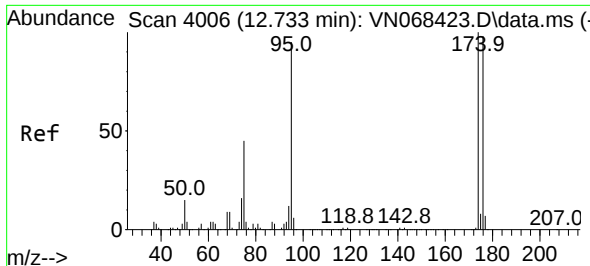
Tgt Ion: 98 Resp: 878809  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.0 76.6



#59  
2-Hexanone  
Concen: 2.461 ug/l  
RT: 11.090 min Scan# 3393  
Delta R.T. 0.003 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Tgt Ion: 43 Resp: 7574  
Ion Ratio Lower Upper  
43 100  
58 40.0 30.0 90.1

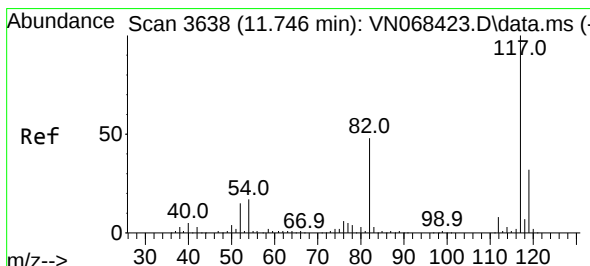
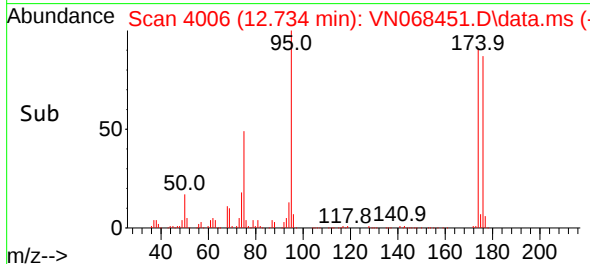
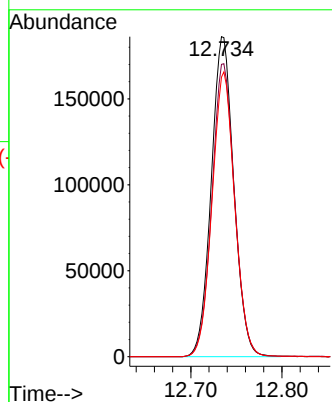
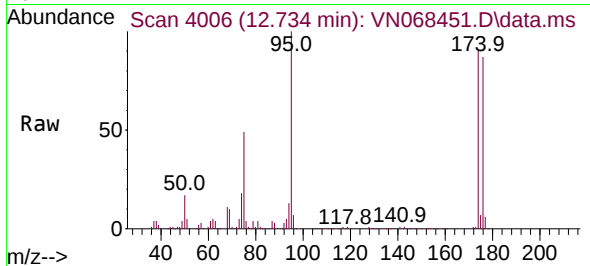




#62  
4-Bromofluorobenzene  
Concen: 63.527 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

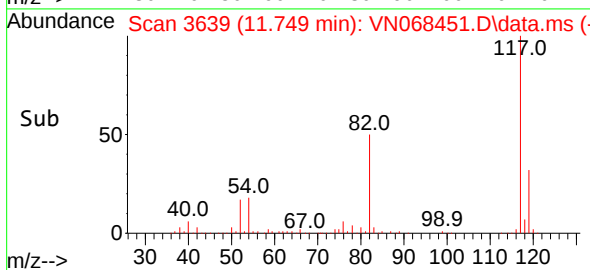
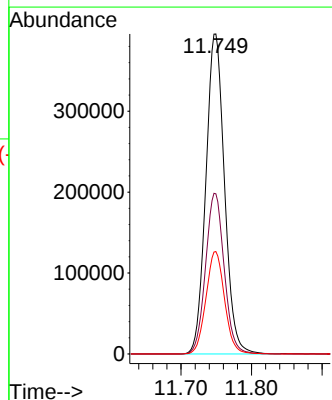
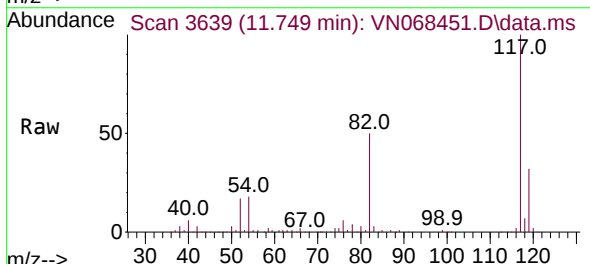
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

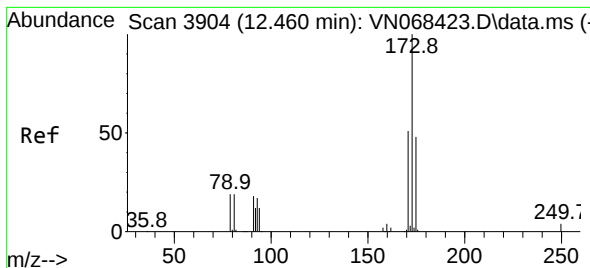
Tgt Ion: 95 Resp: 320433  
Ion Ratio Lower Upper  
95 100  
174 92.1 0.0 214.0  
176 89.2 0.0 205.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.749 min Scan# 3639  
Delta R.T. 0.003 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Tgt Ion: 117 Resp: 725875  
Ion Ratio Lower Upper  
117 100  
82 50.1 38.7 58.1  
119 32.0 25.5 38.3

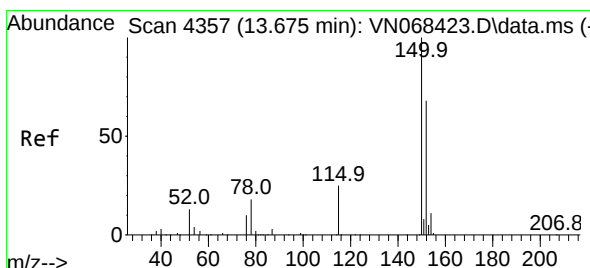
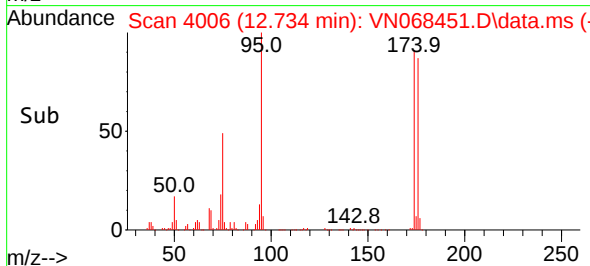
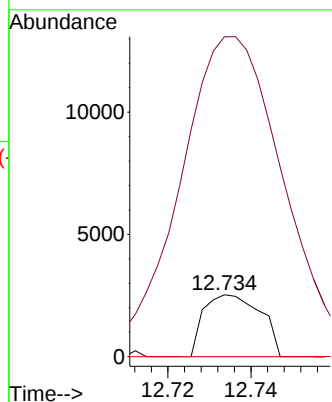
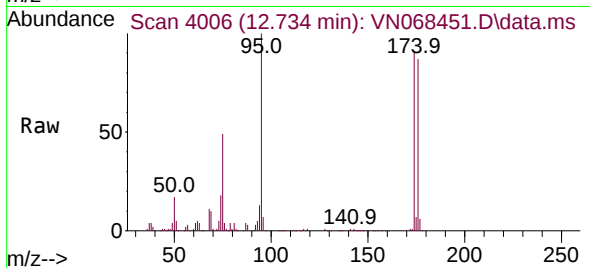




#71  
Bromoform  
Concen: 0.536 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.274 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

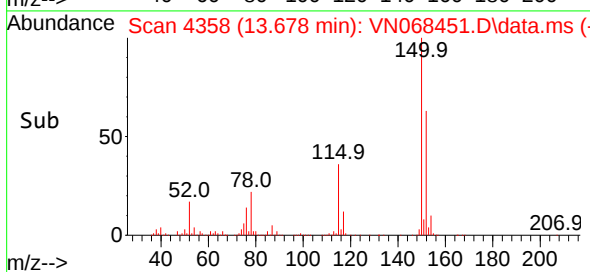
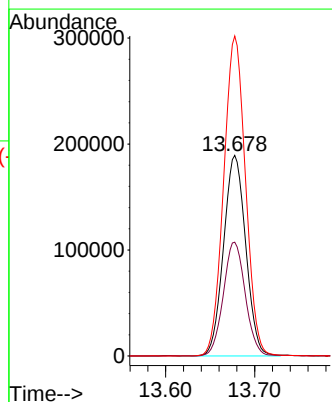
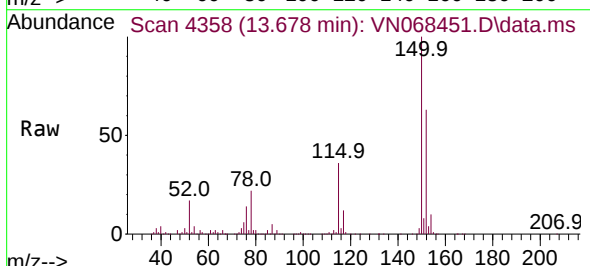
Instrument :  
MSVOA\_N  
ClientSampled :  
IBLK

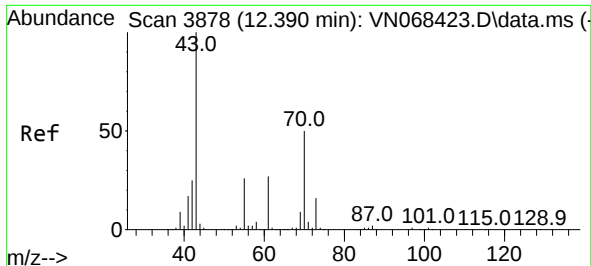
Tgt Ion:173 Resp: 2409  
Ion Ratio Lower Upper  
173 100  
175 861.4 24.1 72.3#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Tgt Ion:152 Resp: 328082  
Ion Ratio Lower Upper  
152 100  
115 56.1 25.6 76.6  
150 157.1 0.0 346.8

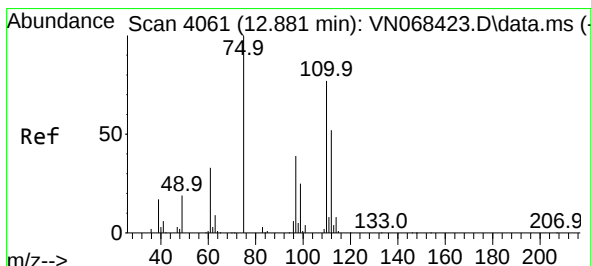
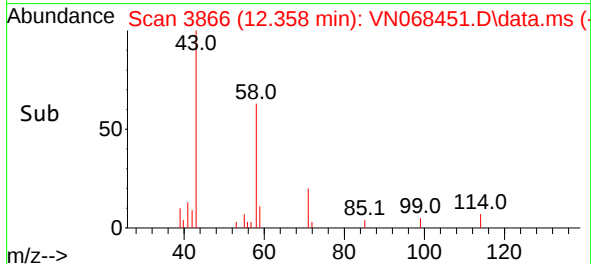
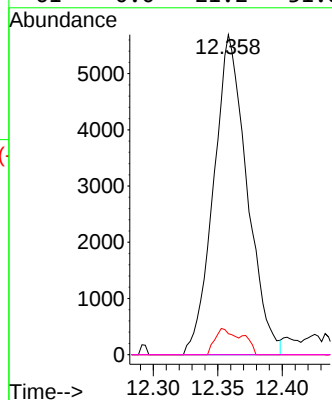
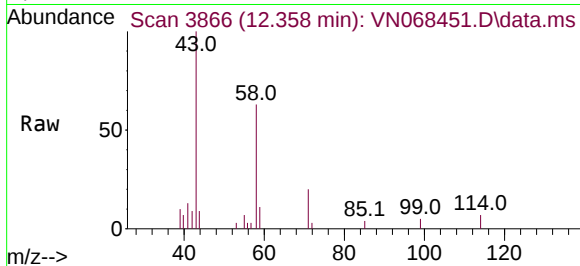




#74  
N-amy1 acetate  
Concen: 1.970 ug/l  
RT: 12.358 min Scan# 3866  
Delta R.T. -0.032 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

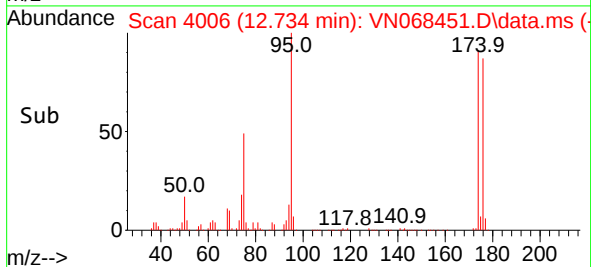
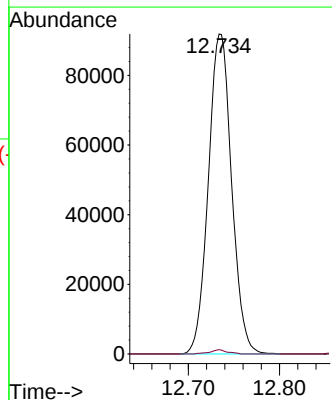
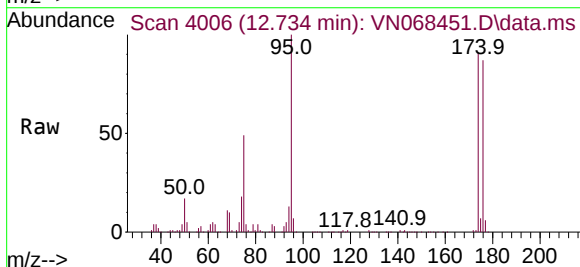
Instrument :  
MSVOA\_N  
ClientSampled :  
IBLK

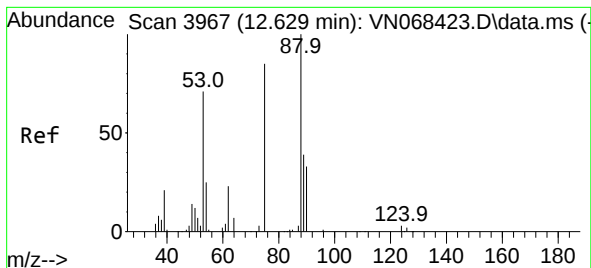
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10253 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 0.0   | 40.0  | 60.0# |
| 55       | 4.8   | 21.1  | 31.7# |
| 61       | 0.0   | 21.2  | 31.8# |



#76  
1,2,3-Trichloropropane  
Concen: 31.478 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.147 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 163023 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 1.0   | 100.9 | 302.7# |

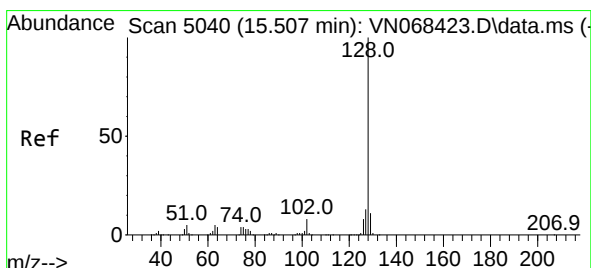
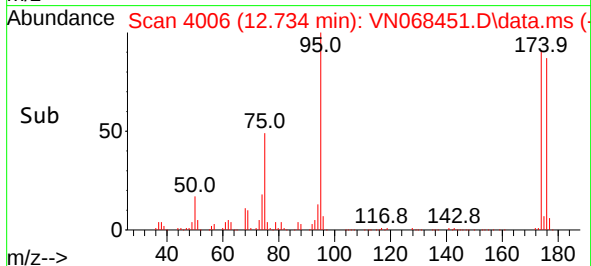
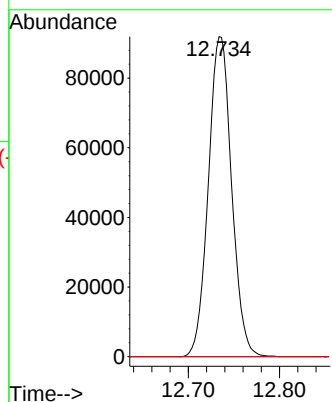
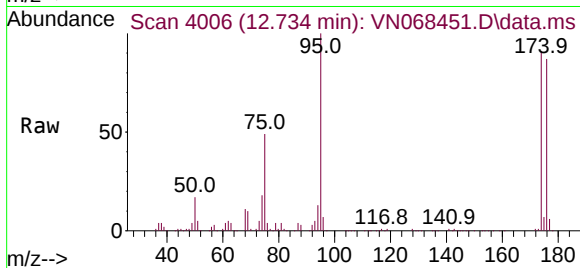




#81  
trans-1,4-Dichloro-2-butene  
Concen: 110.122 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.105 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Instrument :  
MSVOA\_N  
ClientSampled :  
IBLK

Tgt Ion: 75 Resp: 163023  
Ion Ratio Lower Upper  
75 100  
53 0.0 70.6 105.8#  
89 0.0 39.5 59.3#



#95  
Naphthalene  
Concen: 12.364 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.002 min  
Lab File: VN068451.D  
Acq: 9 Sep 2021 19:06

Tgt Ion:128 Resp: 123833  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.6 15.8  
129 10.9 8.6 13.0

