

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070522\  
 Data File : VN073324.D  
 Acq On : 05 Jul 2022 18:50  
 Operator : JC\MD  
 Sample : N3575-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-4

Quant Time: Jul 06 01:16:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 Response via : Initial Calibration

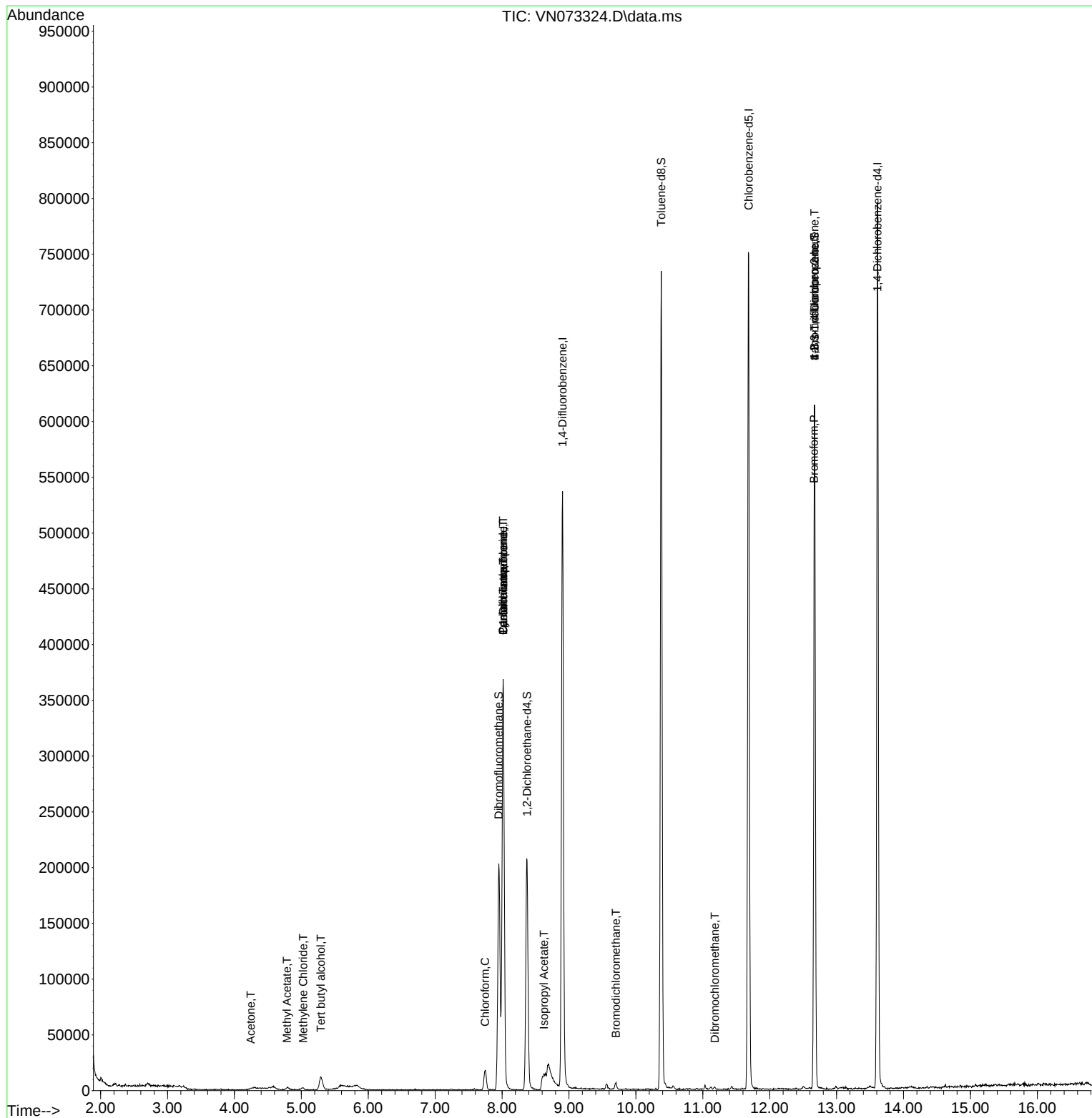
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.016  | 168   | 279738   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.904  | 114   | 468919   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.686 | 117   | 430311   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.609 | 152   | 208222   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.375  | 65    | 176803   | 43.781   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 87.560%  |
| 35) Dibromofluoromethane      | 7.951  | 113   | 147114   | 47.155   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 94.320%  |
| 50) Toluene-d8                | 10.380 | 98    | 495547   | 44.723   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 89.440%  |
| 62) 4-Bromofluorobenzene      | 12.668 | 95    | 215724   | 50.661   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 101.320% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 5.292  | 59    | 20735    | 21.196   | ug/l # | 87       |
| 16) Acetone                   | 4.245  | 43    | 2278     | 1.005    | ug/l   | 98       |
| 18) Methyl Acetate            | 4.787  | 43    | 4727     | 0.744    | ug/l   | 93       |
| 20) Methylene Chloride        | 5.028  | 84    | 1369     | 0.344    | ug/l # | 53       |
| 30) Chloroform                | 7.745  | 83    | 18329    | 2.717    | ug/l   | 86       |
| 31) Cyclohexane               | 8.016  | 56    | 6474     | 0.979    | ug/l # | 25       |
| 36) 1,1-Dichloropropene       | 8.016  | 75    | 22578    | 4.703    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.016  | 117   | 29041    | 5.850    | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.627  | 43    | 14265    | 1.368    | ug/l # | 54       |
| 47) Bromodichloromethane      | 9.704  | 83    | 4236     | 0.853    | ug/l   | 88       |
| 60) Dibromochloromethane      | 11.180 | 129   | 926      | 0.258    | ug/l   | 78       |
| 71) Bromoform                 | 12.662 | 173   | 1170     | 0.447    | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.668 | 75    | 113624   | 20.869   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.668 | 75    | 113624   | 57.233   | ug/l # | 10       |
| -----                         |        |       |          |          |        |          |

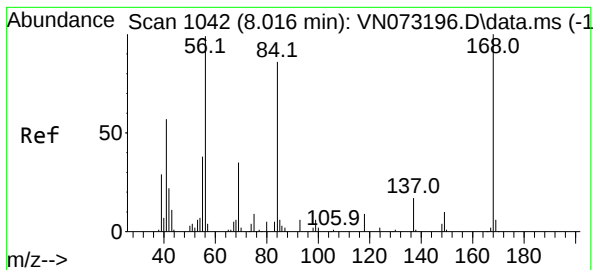
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-4

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Quant Title : SW846 8260  
QLast Update : Wed Jun 29 01:54:03 2022  
Response via : Initial Calibration

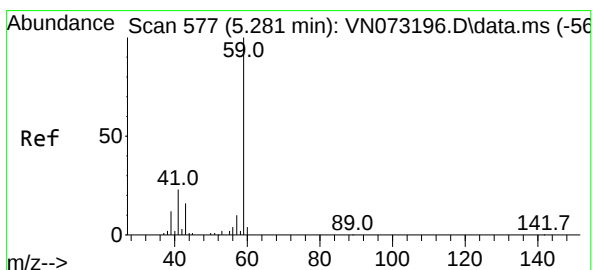
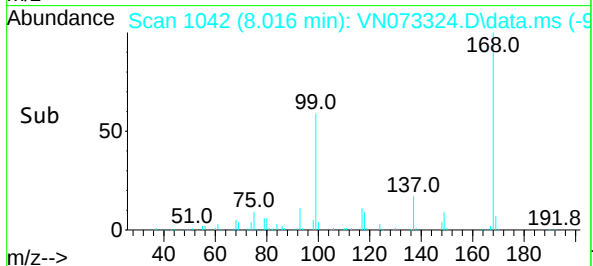
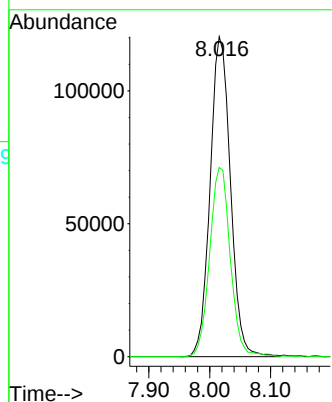
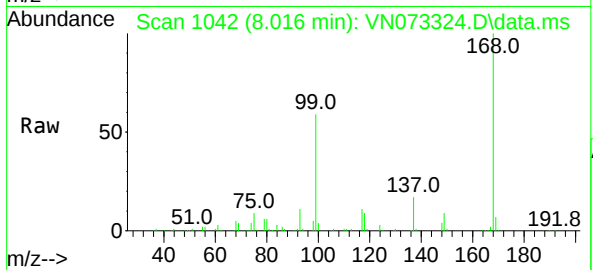




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

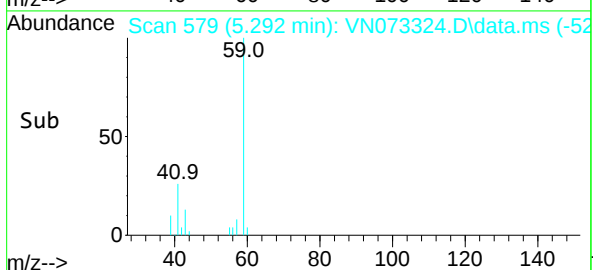
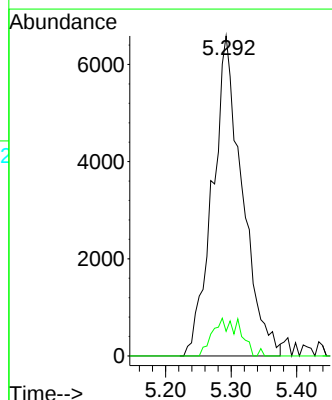
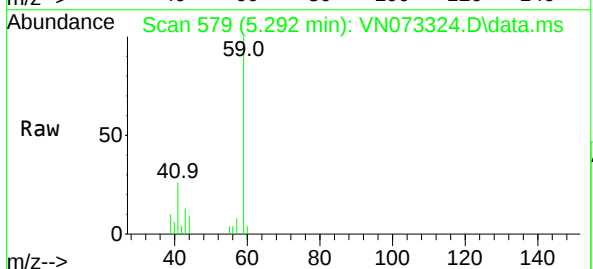
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-4

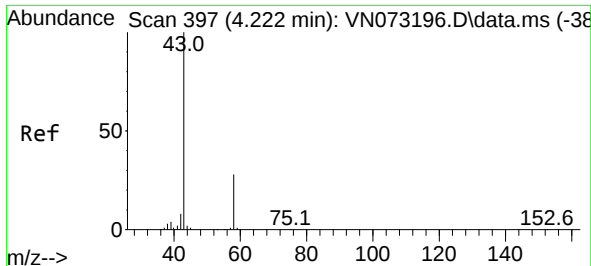
Tgt Ion:168 Resp: 279738  
Ion Ratio Lower Upper  
168 100  
99 59.1 42.3 63.5



#11  
Tert butyl alcohol  
Concen: 21.196 ug/l  
RT: 5.292 min Scan# 579  
Delta R.T. 0.011 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

Tgt Ion: 59 Resp: 20735  
Ion Ratio Lower Upper  
59 100  
57 5.6 8.3 12.5#

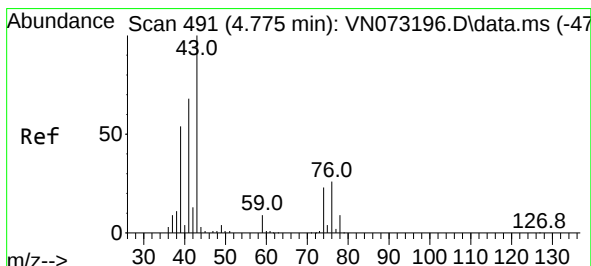
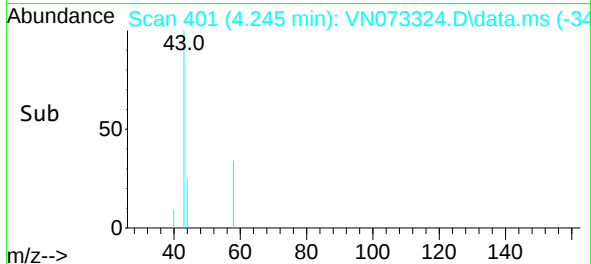
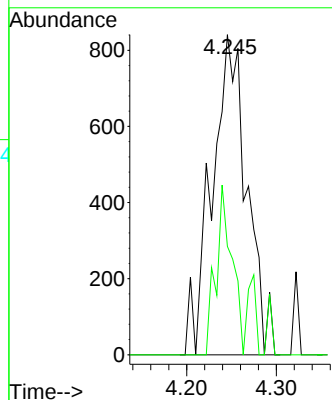
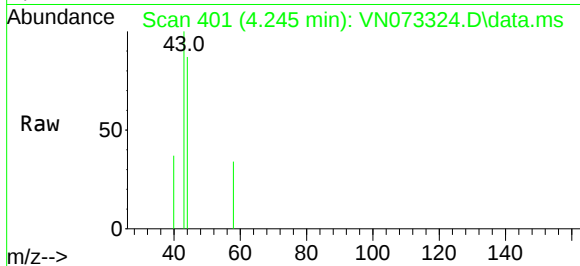




#16  
Acetone  
Concen: 1.005 ug/l  
RT: 4.245 min Scan# 401  
Delta R.T. 0.023 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

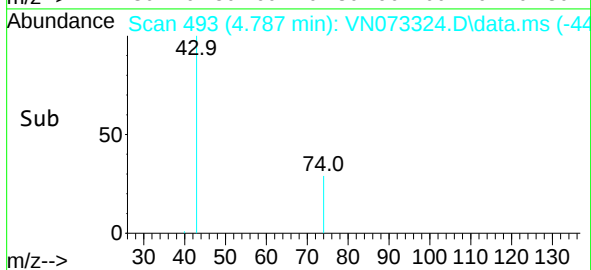
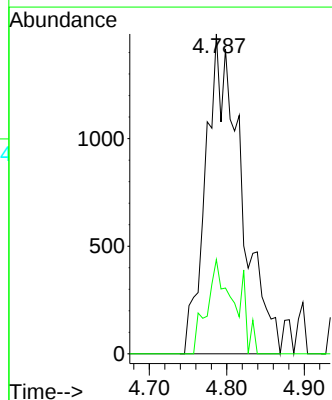
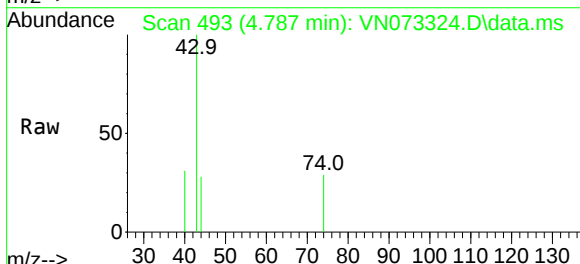
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-4

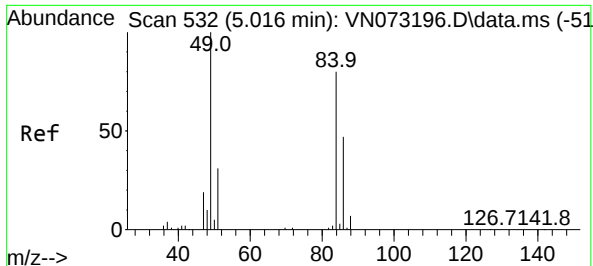
Tgt Ion: 43 Resp: 2278  
Ion Ratio Lower Upper  
43 100  
58 33.9 26.0 39.0



#18  
Methyl Acetate  
Concen: 0.744 ug/l  
RT: 4.787 min Scan# 493  
Delta R.T. 0.012 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

Tgt Ion: 43 Resp: 4727  
Ion Ratio Lower Upper  
43 100  
74 23.3 21.6 32.4

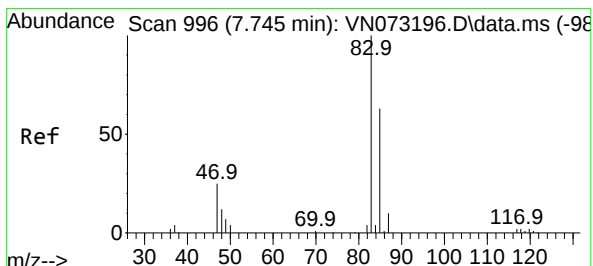
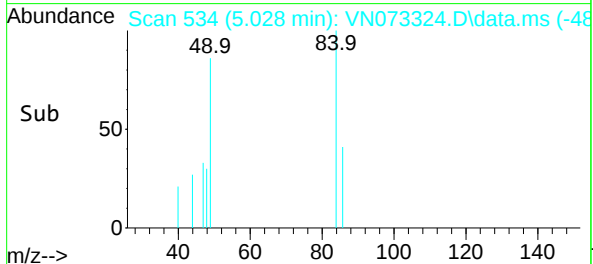
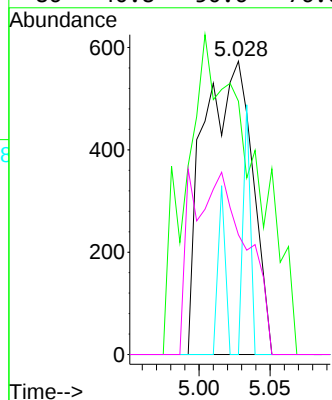
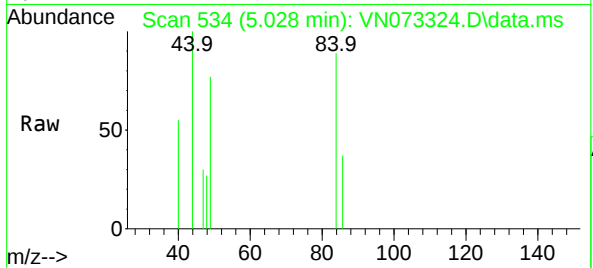




#20  
Methylene Chloride  
Concen: 0.344 ug/l  
RT: 5.028 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

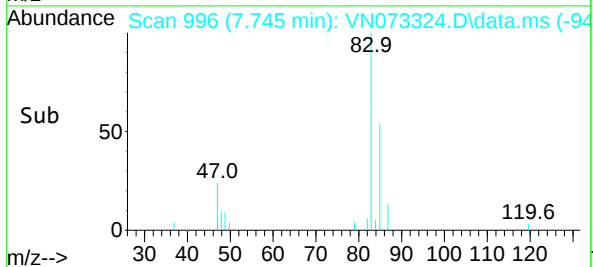
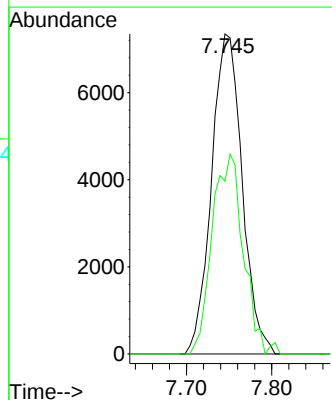
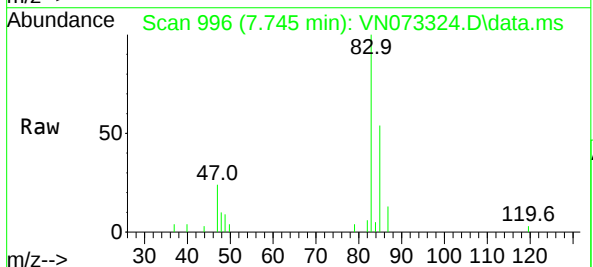
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-4

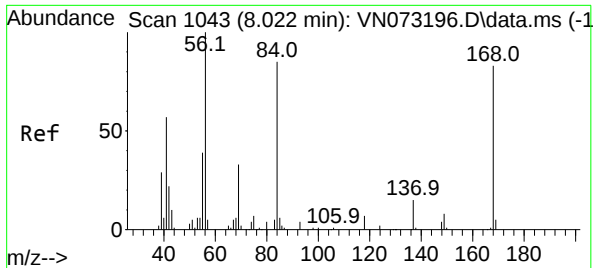
Tgt Ion: 84 Resp: 1369  
Ion Ratio Lower Upper  
84 100  
49 55.0 88.3 132.5#  
51 0.0 28.2 42.2#  
86 40.8 50.6 76.0#



#30  
Chloroform  
Concen: 2.717 ug/l  
RT: 7.745 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

Tgt Ion: 83 Resp: 18329  
Ion Ratio Lower Upper  
83 100  
85 54.0 51.8 77.8





#31

Cyclohexane

Concen: 0.979 ug/l

RT: 8.016 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VN073324.D

Acq: 05 Jul 2022 18:50

Instrument :

MSVOA\_N

ClientSampleId :

WC-4

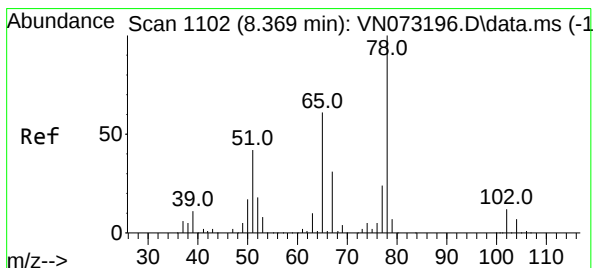
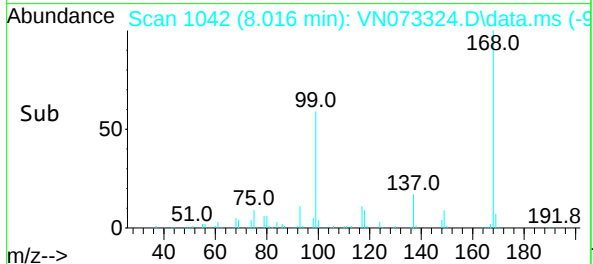
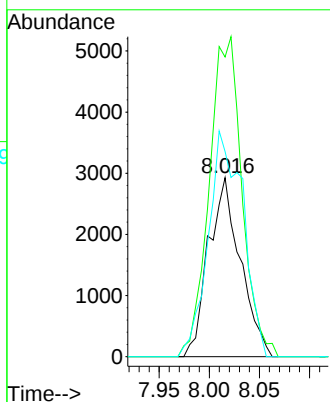
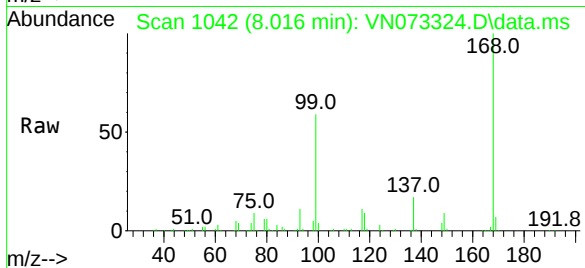
Tgt Ion: 56 Resp: 6474

Ion Ratio Lower Upper

56 100

69 167.4 27.8 41.8#

84 114.6 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 43.781 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073324.D

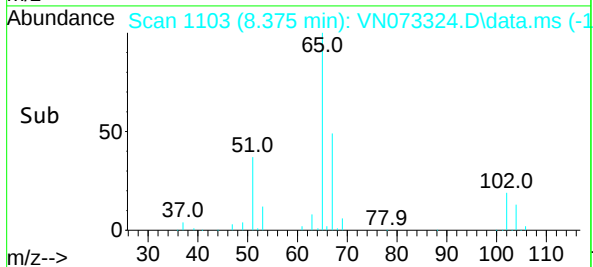
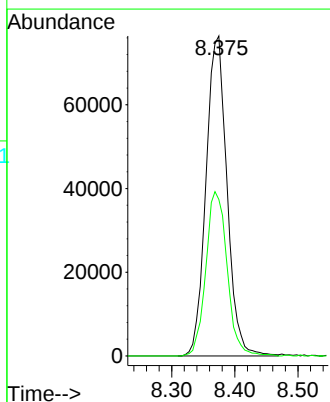
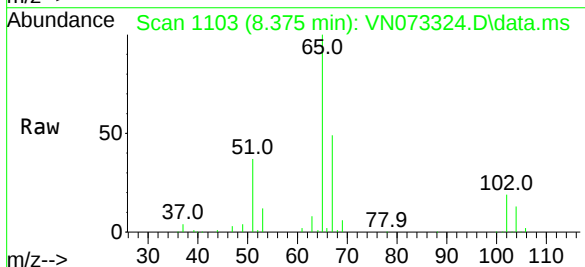
Acq: 05 Jul 2022 18:50

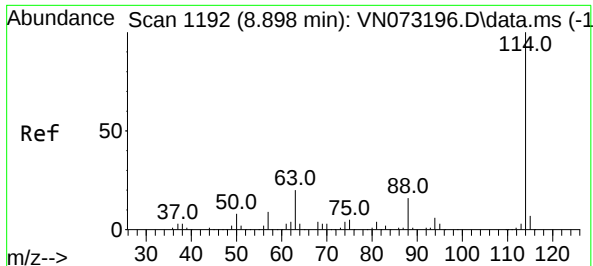
Tgt Ion: 65 Resp: 176803

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073324.D

Acq: 05 Jul 2022 18:50

Instrument :

MSVOA\_N

ClientSampleId :

WC-4

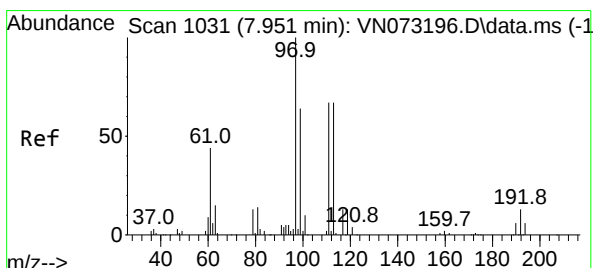
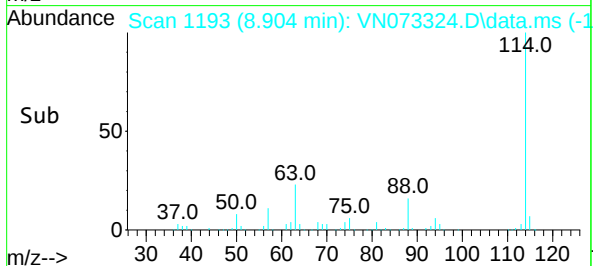
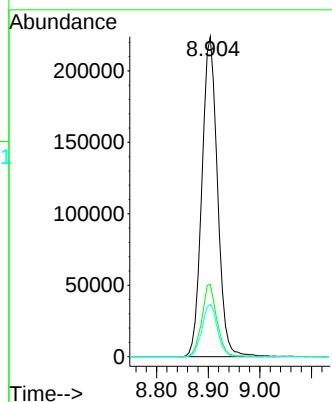
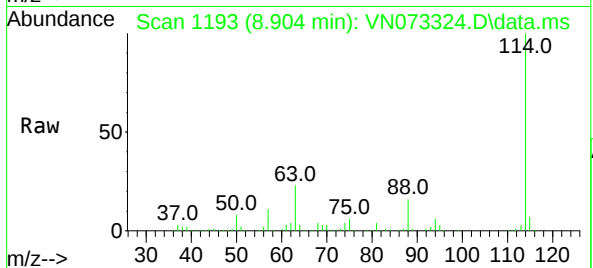
Tgt Ion:114 Resp: 468919

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.0

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.155 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073324.D

Acq: 05 Jul 2022 18:50

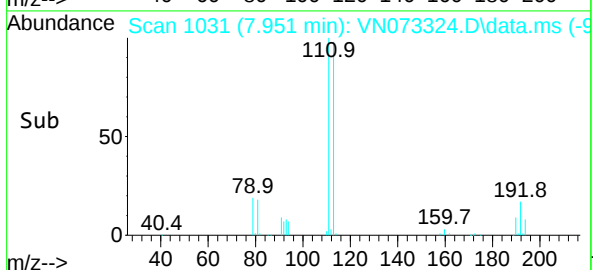
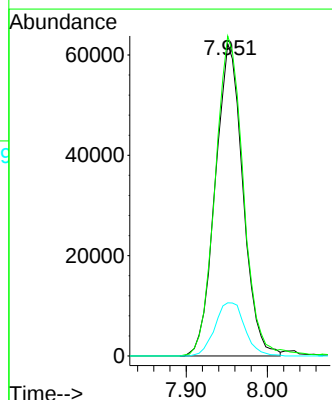
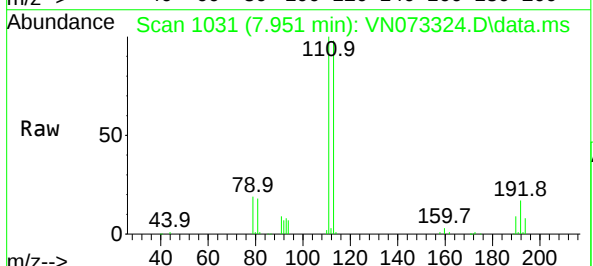
Tgt Ion:113 Resp: 147114

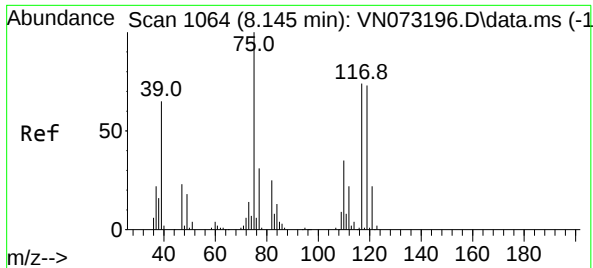
Ion Ratio Lower Upper

113 100

111 105.0 81.4 122.0

192 18.4 17.0 25.6

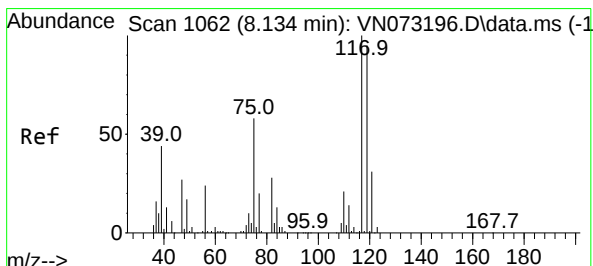
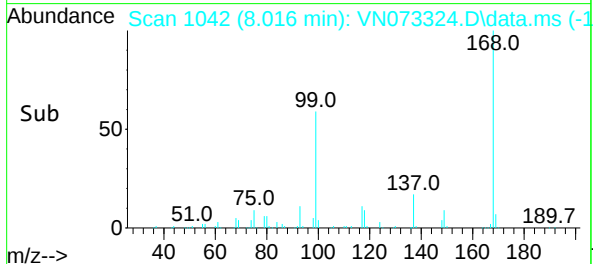
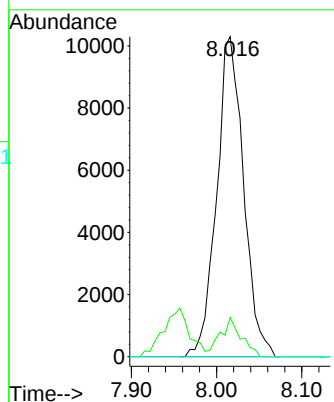
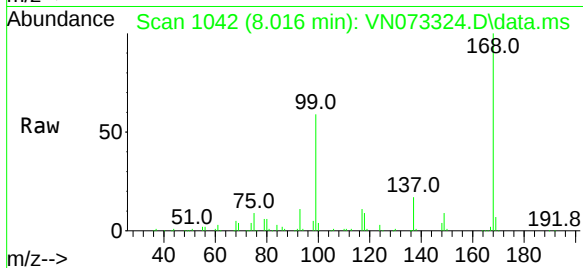




#36  
 1,1-Dichloropropene  
 Concen: 4.703 ug/l  
 RT: 8.016 min Scan# 1042  
 Delta R.T. -0.129 min  
 Lab File: VN073324.D  
 Acq: 05 Jul 2022 18:50

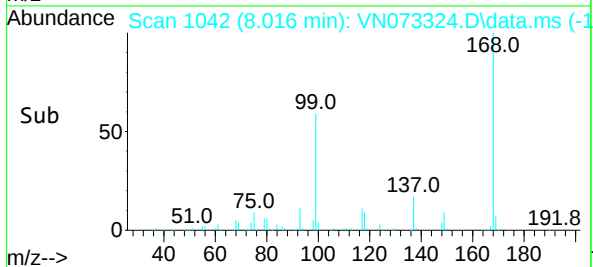
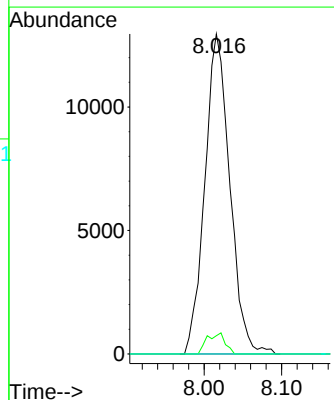
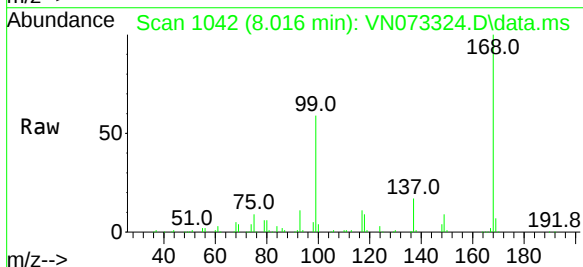
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-4

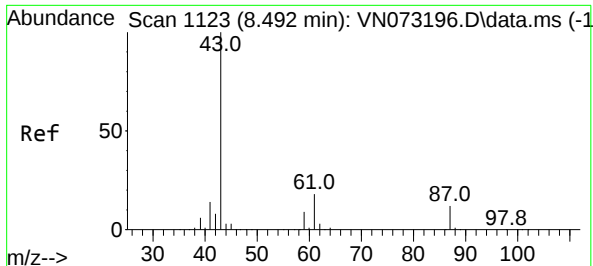
Tgt Ion: 75 Resp: 22578  
 Ion Ratio Lower Upper  
 75 100  
 110 9.5 18.3 54.8#  
 77 0.0 25.1 37.7#



#38  
 Carbon Tetrachloride  
 Concen: 5.850 ug/l  
 RT: 8.016 min Scan# 1042  
 Delta R.T. -0.118 min  
 Lab File: VN073324.D  
 Acq: 05 Jul 2022 18:50

Tgt Ion: 117 Resp: 29041  
 Ion Ratio Lower Upper  
 117 100  
 119 5.7 75.8 113.8#  
 121 0.0 24.6 37.0#

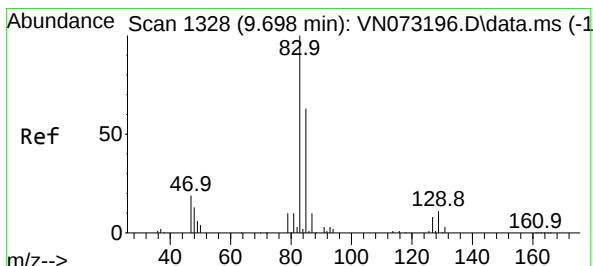
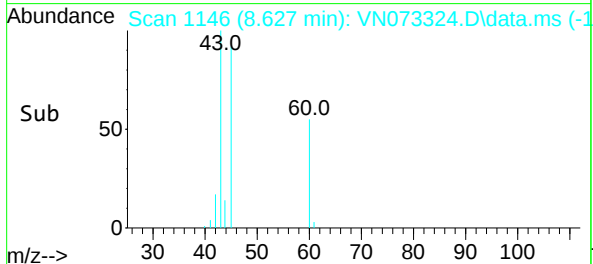
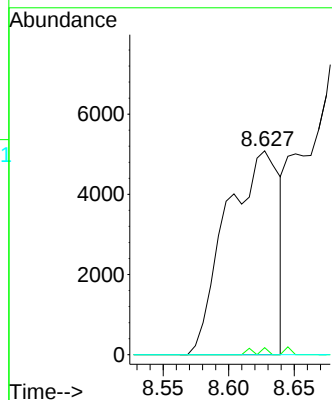
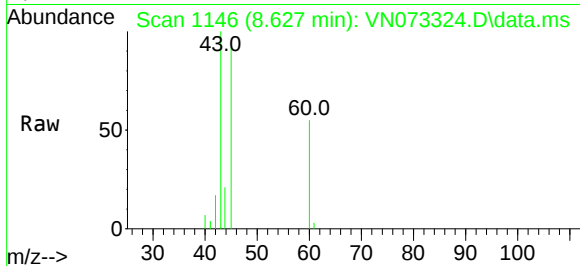




#43  
Isopropyl Acetate  
Concen: 1.368 ug/l  
RT: 8.627 min Scan# 1123  
Delta R.T. 0.135 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

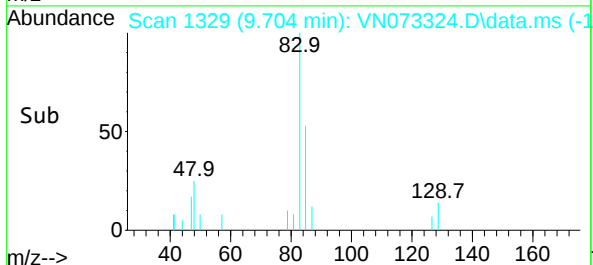
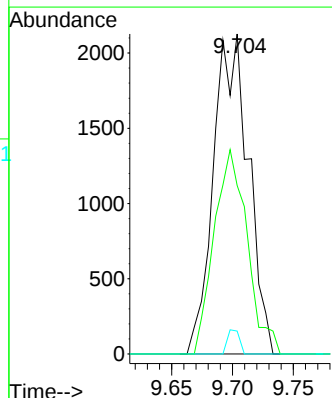
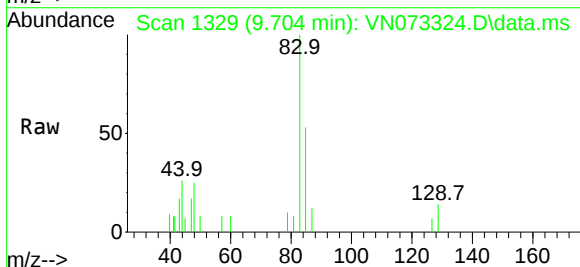
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-4

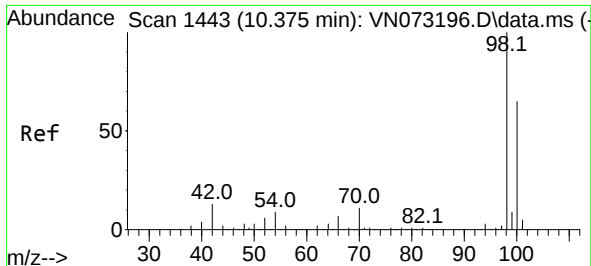
Tgt Ion: 43 Resp: 14265  
Ion Ratio Lower Upper  
43 100  
61 0.8 21.9 32.9#  
87 0.0 12.0 18.0#



#47  
Bromodichloromethane  
Concen: 0.853 ug/l  
RT: 9.704 min Scan# 1329  
Delta R.T. 0.006 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

Tgt Ion: 83 Resp: 4236  
Ion Ratio Lower Upper  
83 100  
85 52.7 50.5 75.7  
127 7.1 6.8 10.2

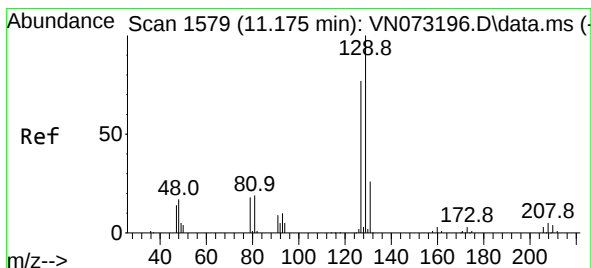
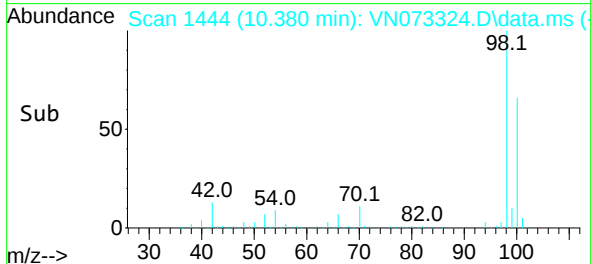
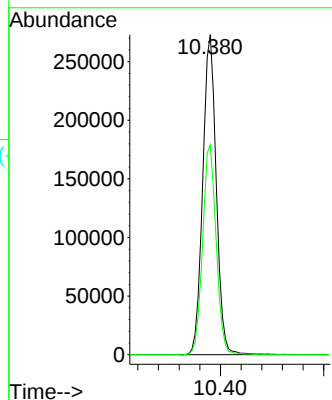
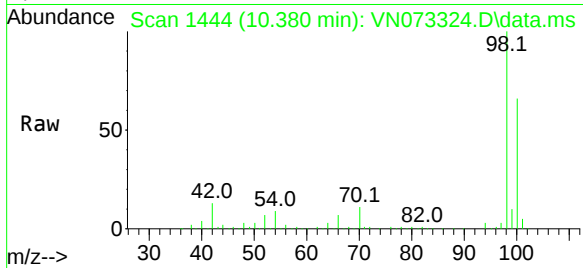




#50  
Toluene-d8  
Concen: 44.723 ug/l  
RT: 10.380 min Scan# 14  
Delta R.T. 0.005 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

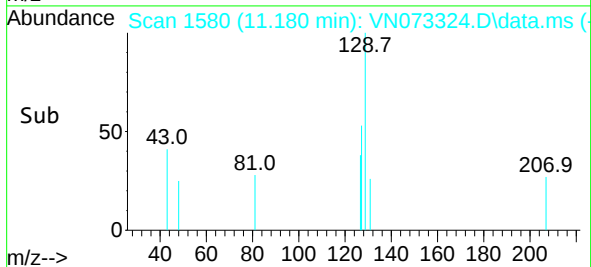
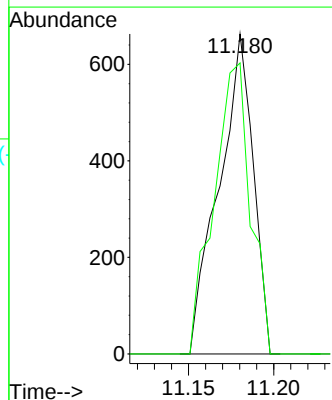
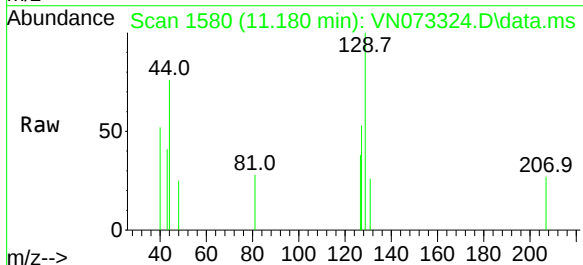
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-4

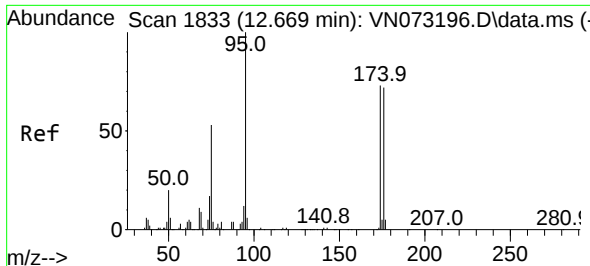
Tgt Ion: 98 Resp: 495547  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.6 78.8



#60  
Dibromochloromethane  
Concen: 0.258 ug/l  
RT: 11.180 min Scan# 1580  
Delta R.T. 0.005 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

Tgt Ion: 129 Resp: 926  
Ion Ratio Lower Upper  
129 100  
127 97.0 38.8 116.4

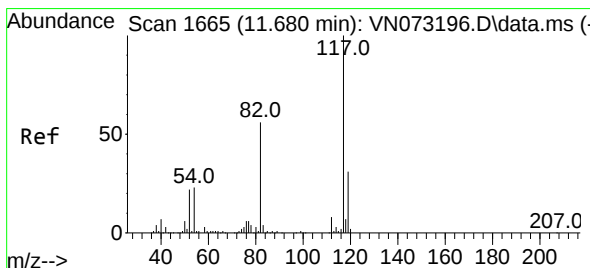
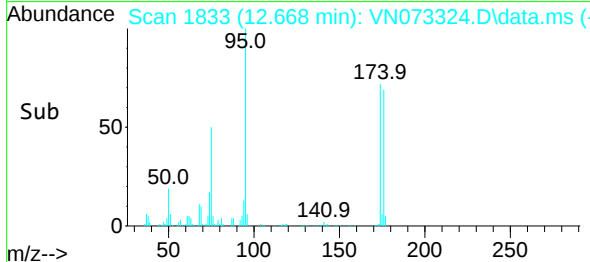
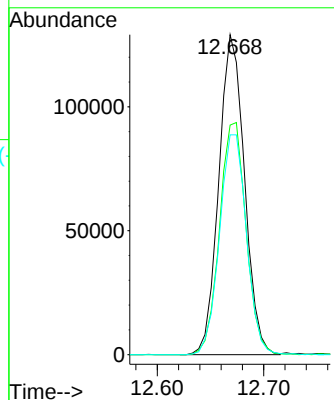
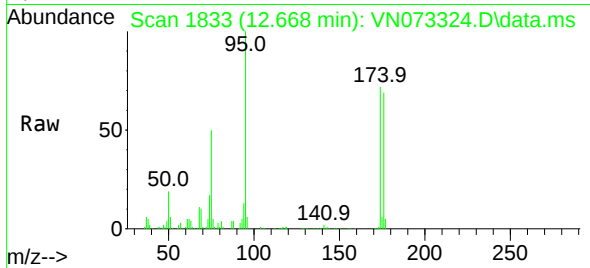




#62  
4-Bromofluorobenzene  
Concen: 50.661 ug/l  
RT: 12.668 min Scan# 1833  
Delta R.T. -0.001 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

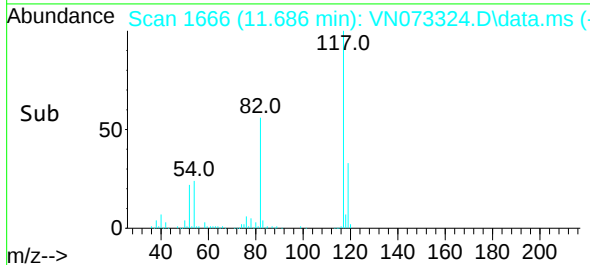
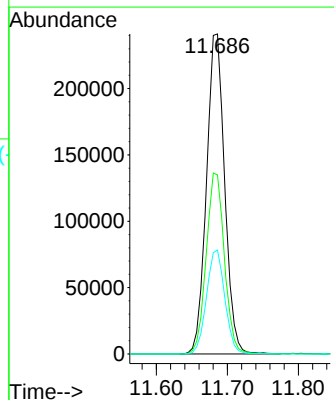
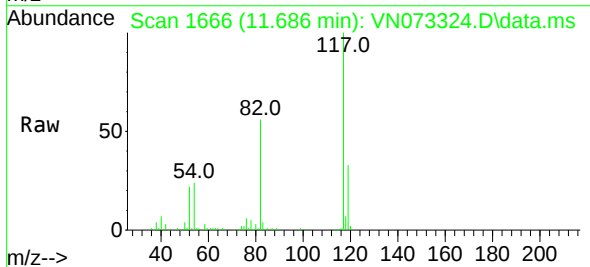
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-4

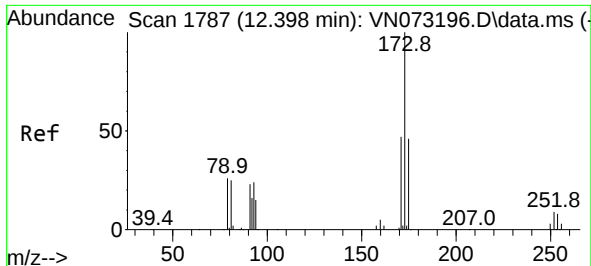
Tgt Ion: 95 Resp: 215724  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 167.6  
176 72.2 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.006 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

Tgt Ion: 117 Resp: 430311  
Ion Ratio Lower Upper  
117 100  
82 55.9 44.2 66.2  
119 32.5 25.4 38.0

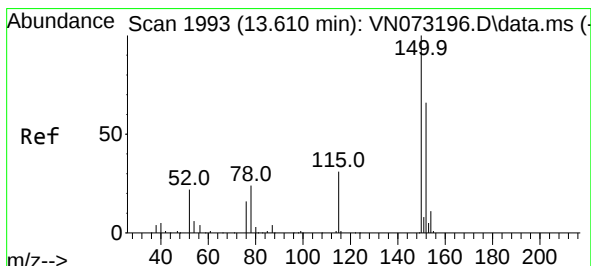
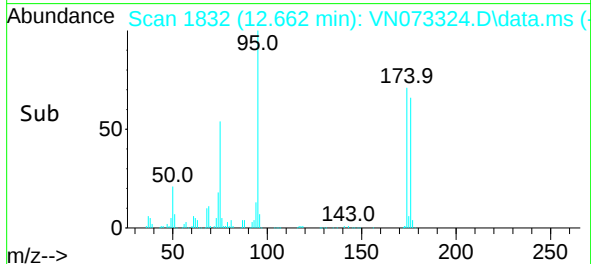
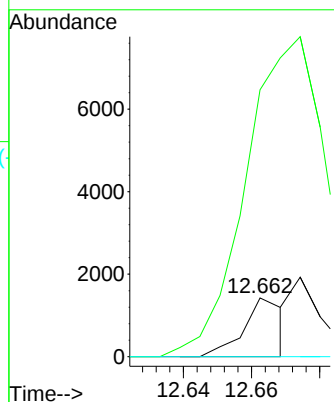
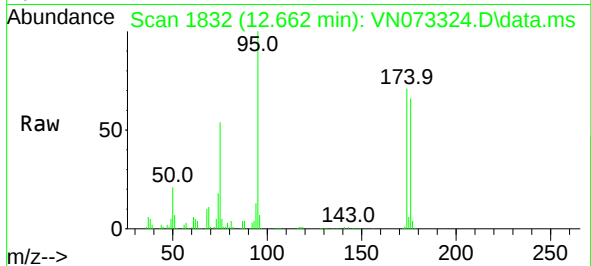




#71  
Bromoform  
Concen: 0.447 ug/l  
RT: 12.662 min Scan# 1832  
Delta R.T. 0.264 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

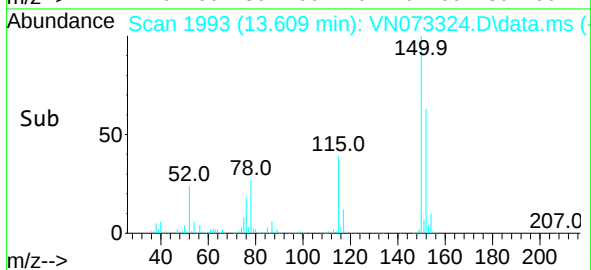
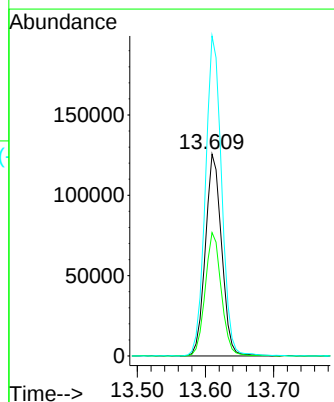
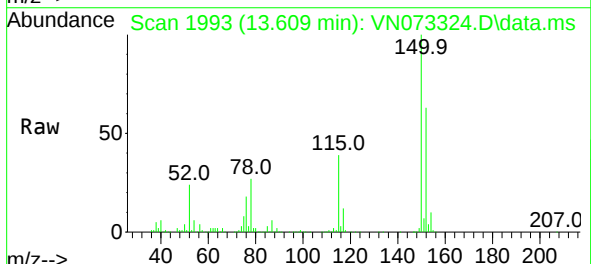
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-4

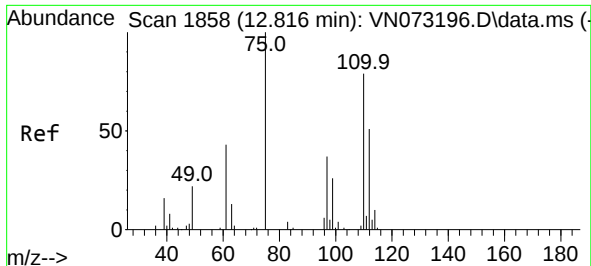
Tgt Ion:173 Resp: 1170  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.6 73.6#  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.609 min Scan# 1993  
Delta R.T. -0.001 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

Tgt Ion:152 Resp: 208222  
Ion Ratio Lower Upper  
152 100  
115 60.9 28.9 86.7  
150 158.5 0.0 356.2

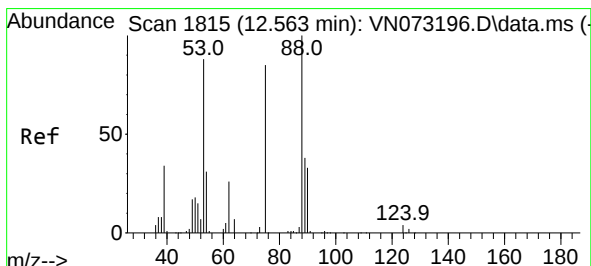
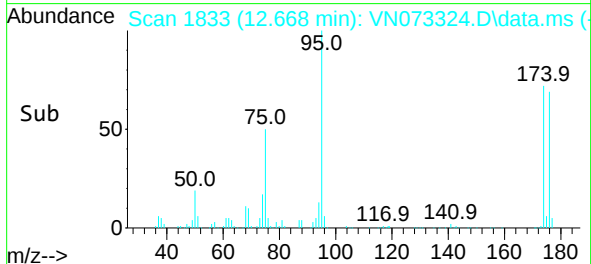
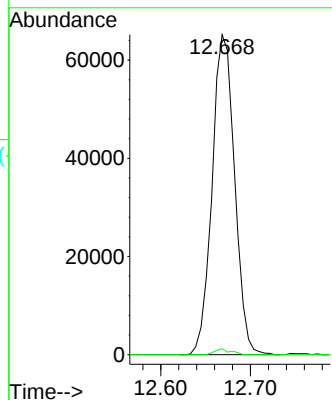
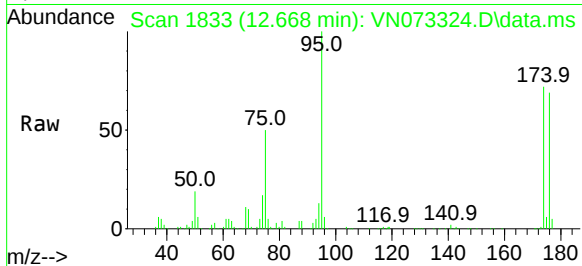




#76  
1,2,3-Trichloropropane  
Concen: 20.869 ug/l  
RT: 12.668 min Scan# 1833  
Delta R.T. -0.148 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-4

Tgt Ion: 75 Resp: 113624  
Ion Ratio Lower Upper  
75 100  
77 1.3 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.233 ug/l  
RT: 12.668 min Scan# 1833  
Delta R.T. 0.105 min  
Lab File: VN073324.D  
Acq: 05 Jul 2022 18:50

Tgt Ion: 75 Resp: 113624  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#

