

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042423\  
 Data File : VN077462.D  
 Acq On : 25 Apr 2023 10:54  
 Operator : JC\MD  
 Sample : 02460-02 40X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-3

Quant Time: Apr 25 14:07:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042423W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:50:59 2023  
 Response via : Initial Calibration

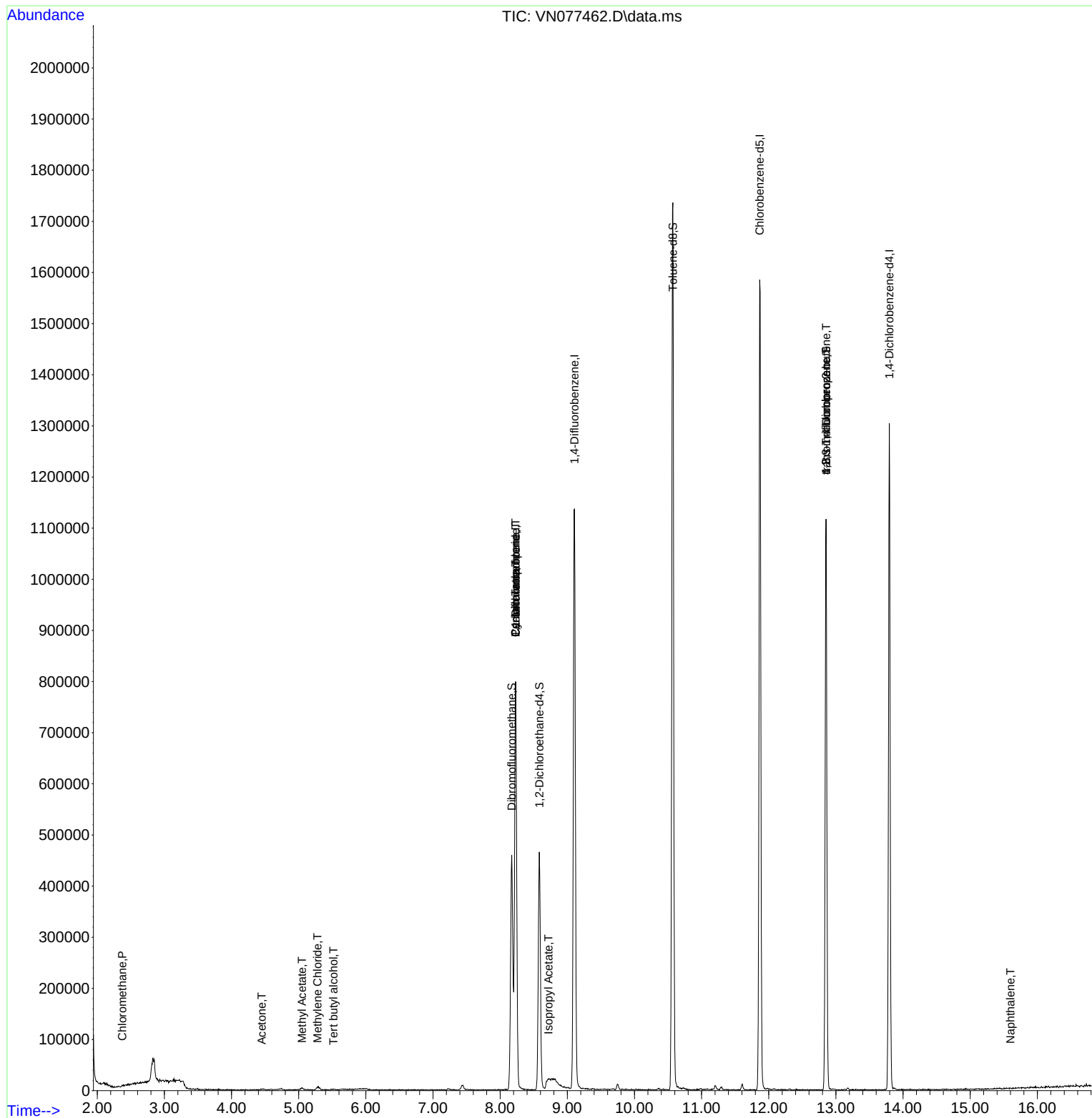
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 561118   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.107  | 114   | 1066968  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.866 | 117   | 972106   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.795 | 152   | 344579   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 366054   | 49.994   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 99.980%  |
| 35) Dibromofluoromethane      | 8.172  | 113   | 325367   | 50.736   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 101.480% |
| 50) Toluene-d8                | 10.571 | 98    | 1296497  | 52.750   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 105.500% |
| 62) 4-Bromofluorobenzene      | 12.854 | 95    | 408513   | 50.801   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 101.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 2.372  | 50    | 1163     | 0.207    | ug/l # | 88       |
| 11) Tert butyl alcohol        | 5.519  | 59    | 452      | 0.385    | ug/l # | 72       |
| 16) Acetone                   | 4.448  | 43    | 1728     | 0.742    | ug/l   | 90       |
| 18) Methyl Acetate            | 5.048  | 43    | 7746     | 0.861    | ug/l # | 80       |
| 20) Methylene Chloride        | 5.278  | 84    | 2770     | 0.375    | ug/l   | 97       |
| 31) Cyclohexane               | 8.230  | 56    | 12525    | 1.208    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 48757    | 5.263    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 63569    | 6.219    | ug/l # | 14       |
| 43) Isopropyl Acetate         | 8.719  | 43    | 21266    | 1.746    | ug/l # | 51       |
| 76) 1,2,3-Trichloropropane    | 12.854 | 75    | 213918   | 26.697   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.854 | 75    | 213918   | 75.423   | ug/l # | 15       |
| 95) Naphthalene               | 15.601 | 128   | 63       | 1.148    | ug/l # | 70       |
| -----                         |        |       |          |          |        |          |

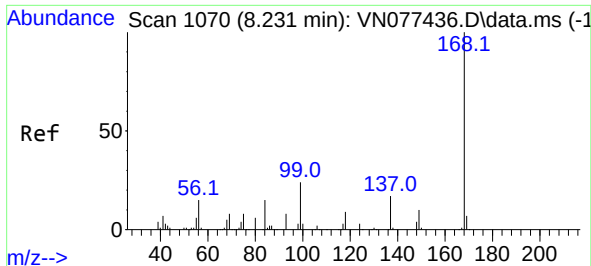
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042423\  
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Sample : 02460-02 40X  
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ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Time: Apr 25 14:07:29 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042423W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:50:59 2023  
Response via : Initial Calibration

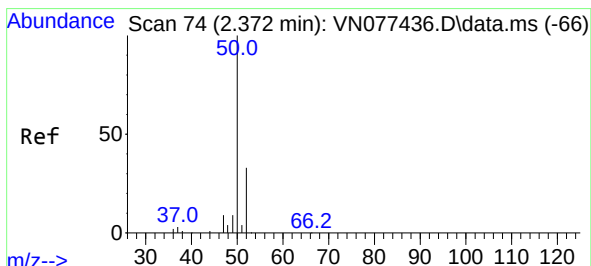
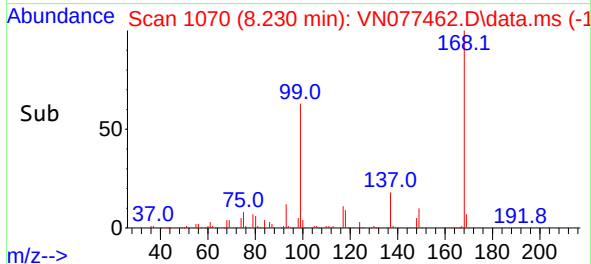
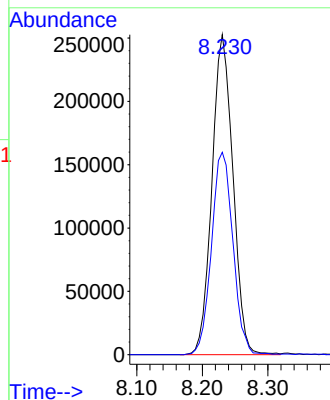
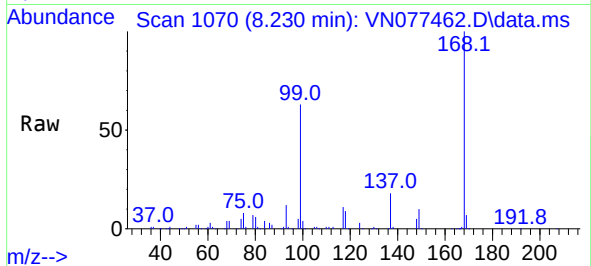




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

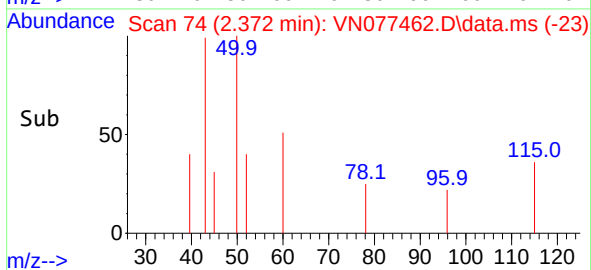
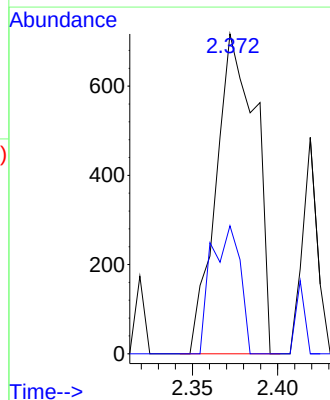
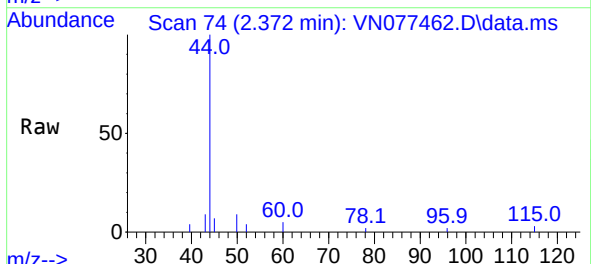
Instrument :  
MSVOA\_N  
ClientSampleId :  
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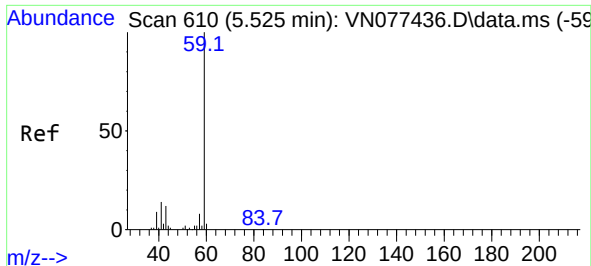
Tgt Ion:168 Resp: 561118  
Ion Ratio Lower Upper  
168 100  
99 63.3 53.0 79.6



#3  
Chloromethane  
Concen: 0.207 ug/l  
RT: 2.372 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

Tgt Ion: 50 Resp: 1163  
Ion Ratio Lower Upper  
50 100  
52 40.0 26.5 39.7#

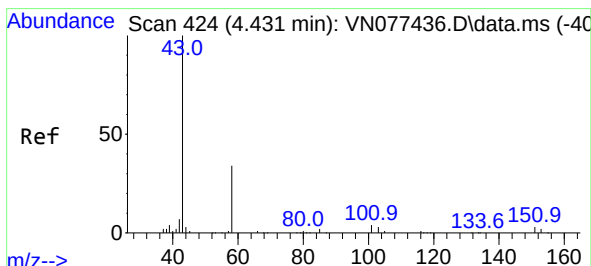
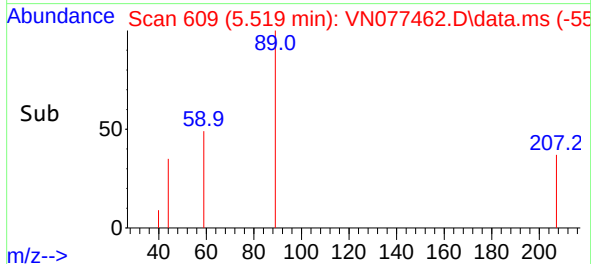
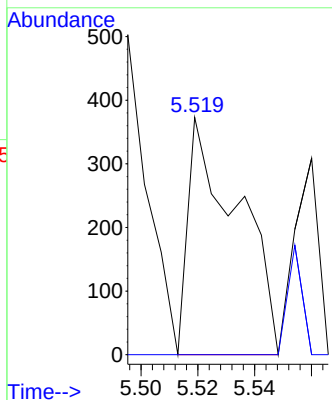
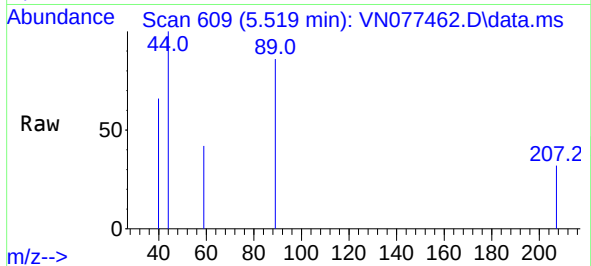




#11  
Tert butyl alcohol  
Concen: 0.385 ug/l  
RT: 5.519 min Scan# 609  
Delta R.T. -0.006 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

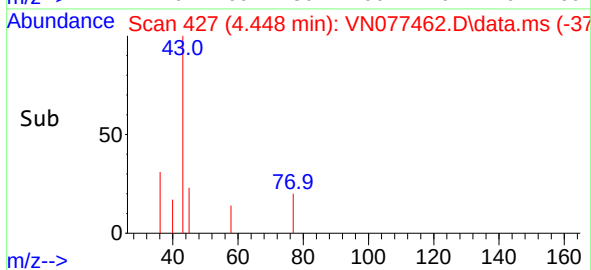
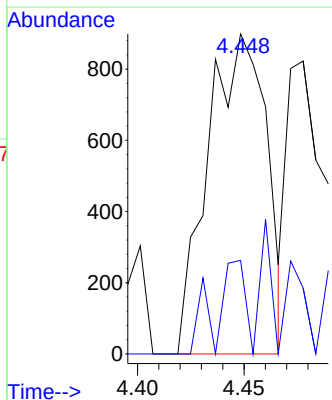
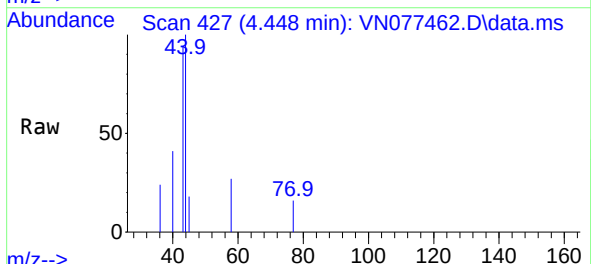
Instrument :  
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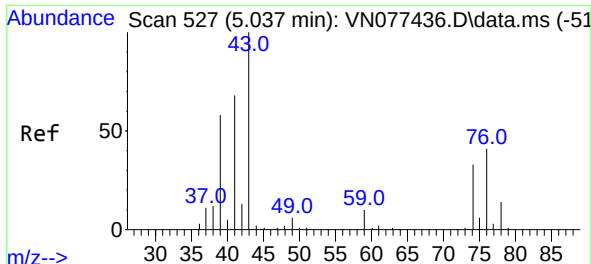
Tgt Ion: 59 Resp: 452  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



#16  
Acetone  
Concen: 0.742 ug/l  
RT: 4.448 min Scan# 427  
Delta R.T. 0.017 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

Tgt Ion: 43 Resp: 1728  
Ion Ratio Lower Upper  
43 100  
58 29.3 28.0 42.0

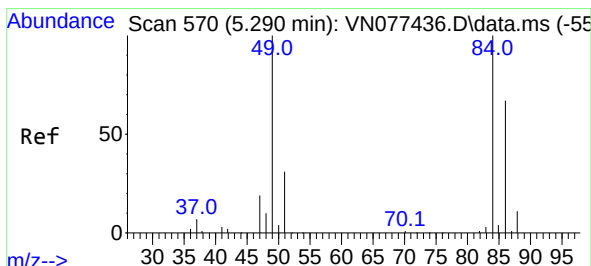
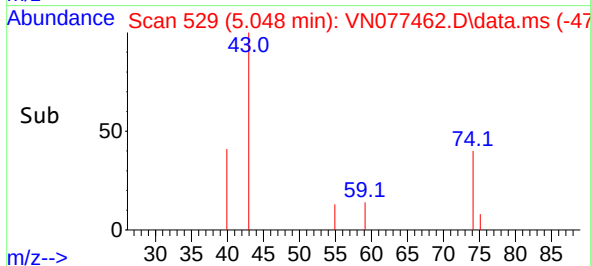
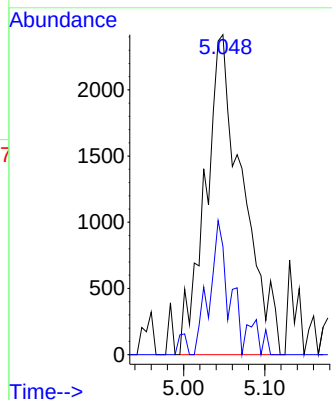
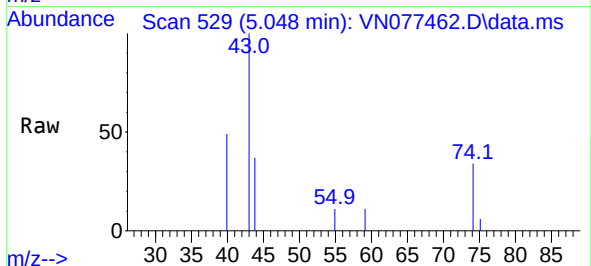




#18  
Methyl Acetate  
Concen: 0.861 ug/l  
RT: 5.048 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

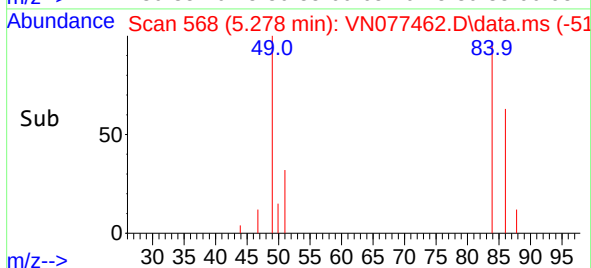
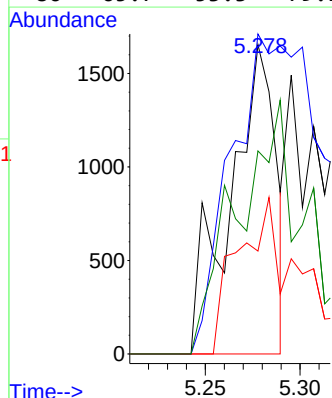
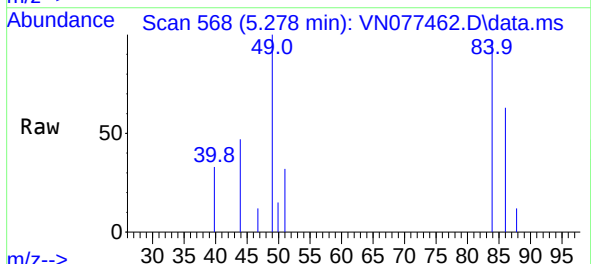
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MSVOA\_N  
ClientSampleId :  
MW-3

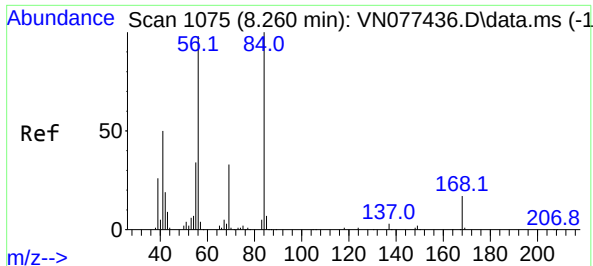
Tgt Ion: 43 Resp: 7746  
Ion Ratio Lower Upper  
43 100  
74 21.5 26.2 39.4#



#20  
Methylene Chloride  
Concen: 0.375 ug/l  
RT: 5.278 min Scan# 568  
Delta R.T. -0.012 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

Tgt Ion: 84 Resp: 2770  
Ion Ratio Lower Upper  
84 100  
49 103.4 79.7 119.5  
51 33.3 25.2 37.8  
86 65.7 53.3 79.9

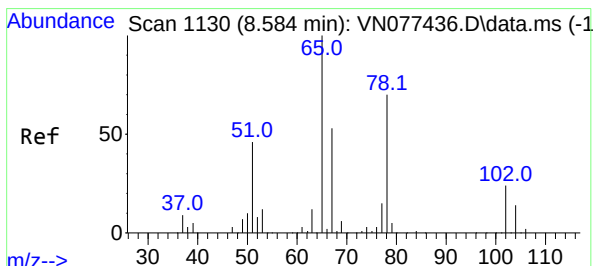
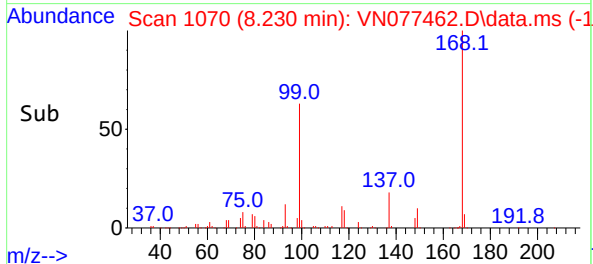
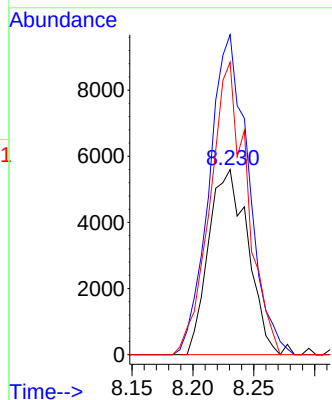
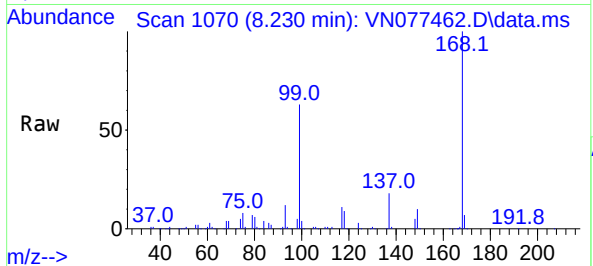




#31  
Cyclohexane  
Concen: 1.208 ug/l  
RT: 8.230 min Scan# 1075  
Delta R.T. -0.030 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

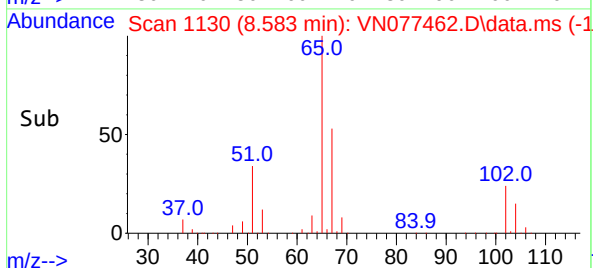
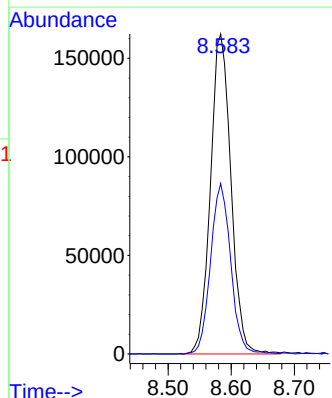
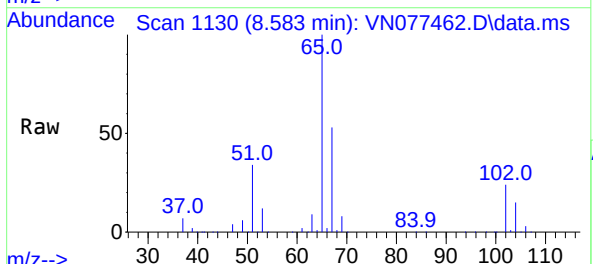
Instrument :  
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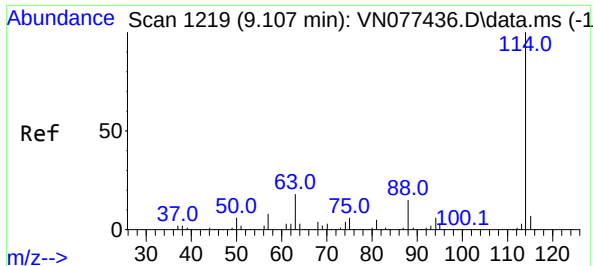
Tgt Ion: 56 Resp: 12525  
Ion Ratio Lower Upper  
56 100  
69 170.1 26.8 40.2#  
84 158.0 81.8 122.6#



#33  
1,2-Dichloroethane-d4  
Concen: 49.994 ug/l  
RT: 8.583 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

Tgt Ion: 65 Resp: 366054  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 106.6

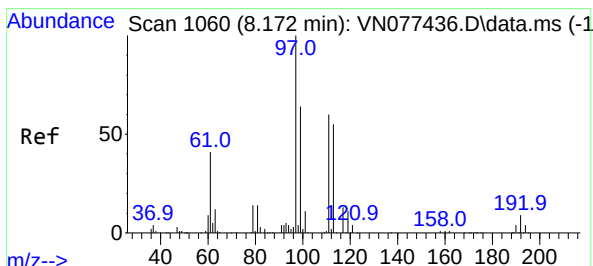
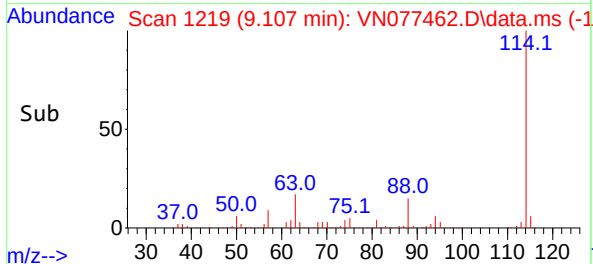
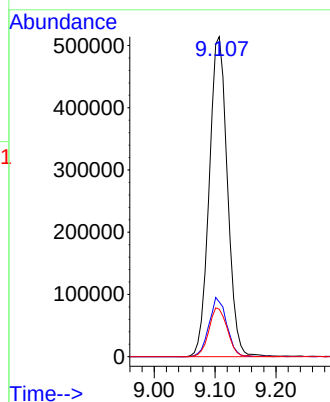
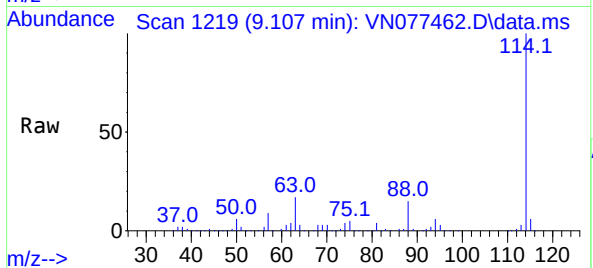




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.107 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

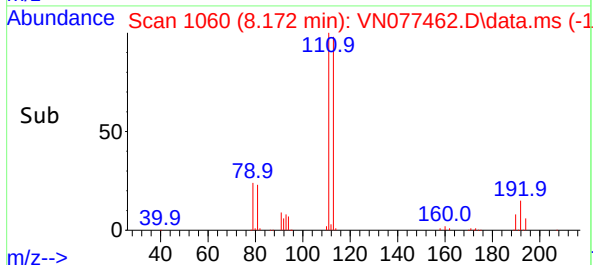
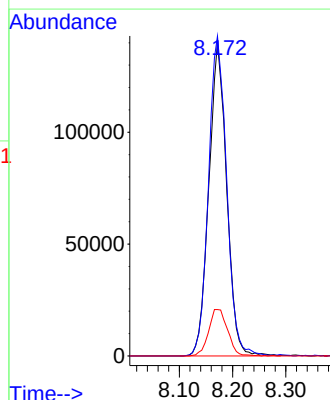
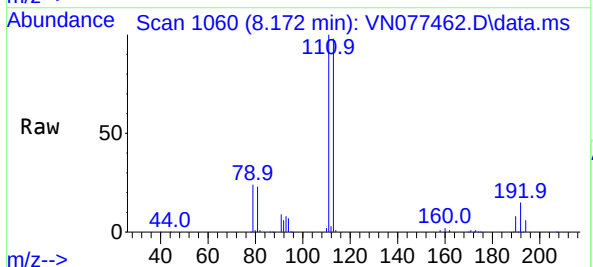
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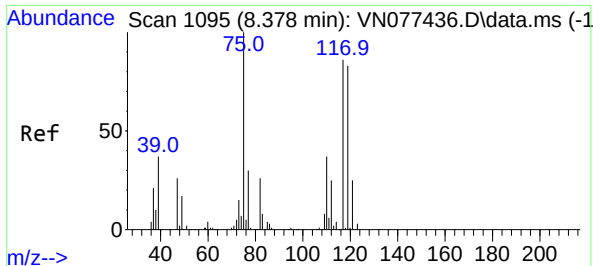
Tgt Ion:114 Resp: 1066968  
Ion Ratio Lower Upper  
114 100  
63 17.1 0.0 36.4  
88 14.9 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 50.736 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

Tgt Ion:113 Resp: 325367  
Ion Ratio Lower Upper  
113 100  
111 104.1 82.6 123.8  
192 15.8 12.7 19.1

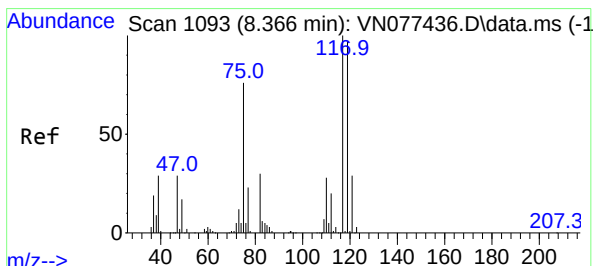
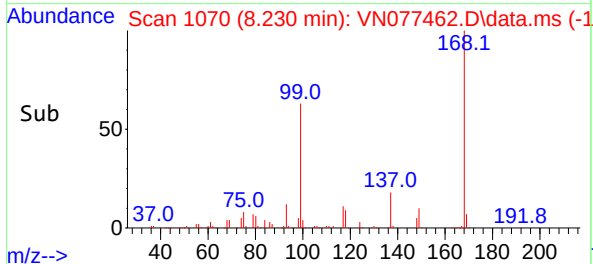
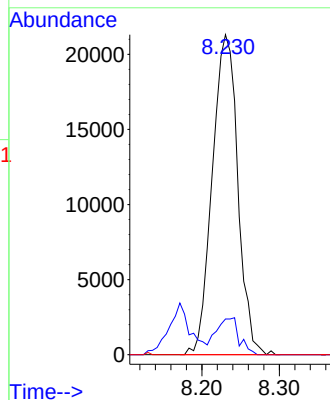
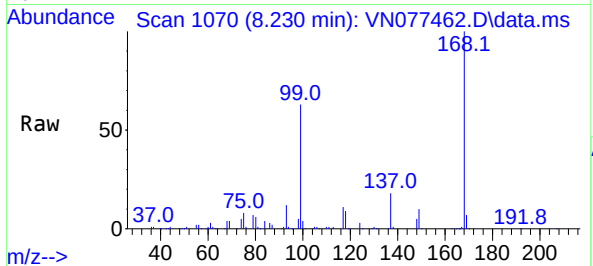




#36  
1,1-Dichloropropene  
Concen: 5.263 ug/l  
RT: 8.230 min Scan# 1070  
Delta R.T. -0.147 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

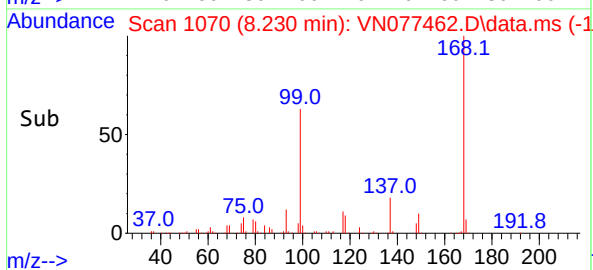
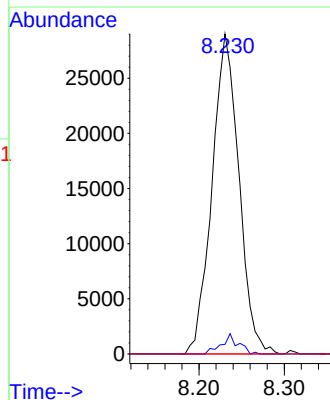
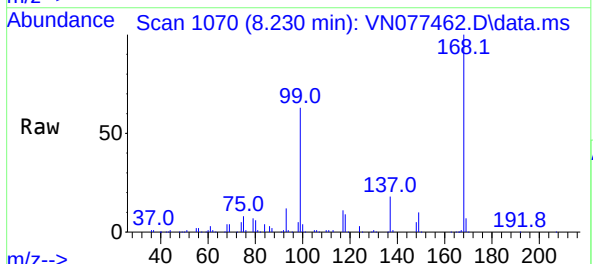
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

Tgt Ion: 75 Resp: 48757  
Ion Ratio Lower Upper  
75 100  
110 10.3 19.1 57.3#  
77 0.0 25.0 37.4#

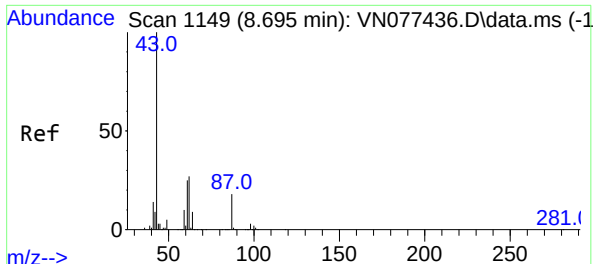


#38  
Carbon Tetrachloride  
Concen: 6.219 ug/l  
RT: 8.230 min Scan# 1070  
Delta R.T. -0.135 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

Tgt Ion: 117 Resp: 63569  
Ion Ratio Lower Upper  
117 100  
119 3.0 77.3 115.9#  
121 0.0 23.3 34.9#



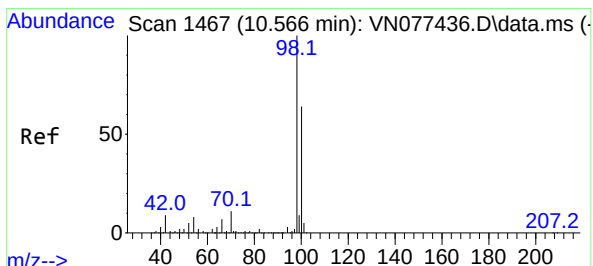
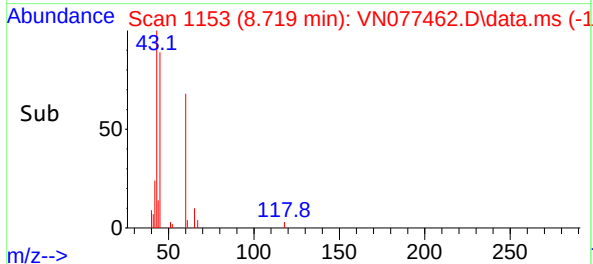
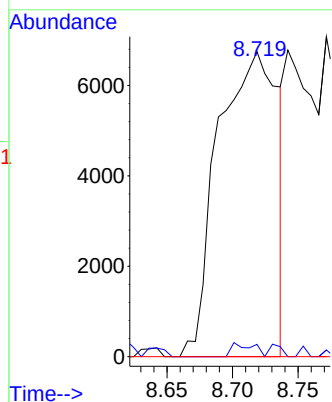
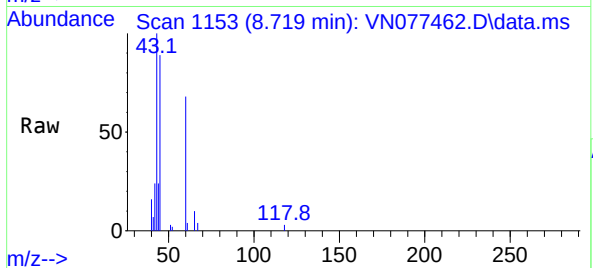




#43  
Isopropyl Acetate  
Concen: 1.746 ug/l  
RT: 8.719 min Scan# 1149  
Delta R.T. 0.023 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

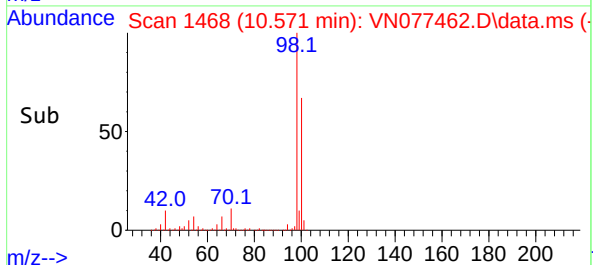
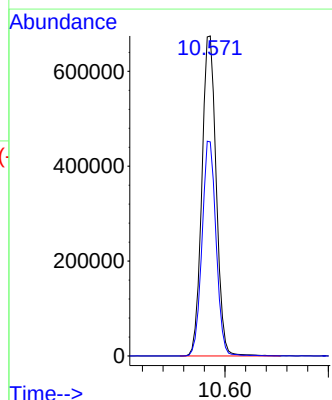
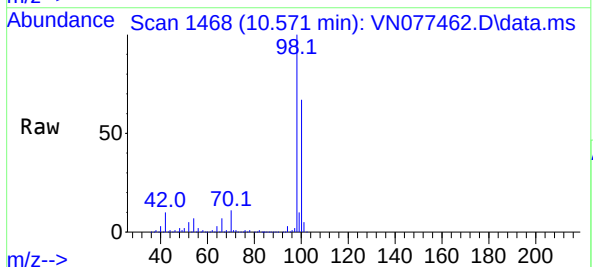
Instrument :  
MSVOA\_N  
ClientSampleId :  
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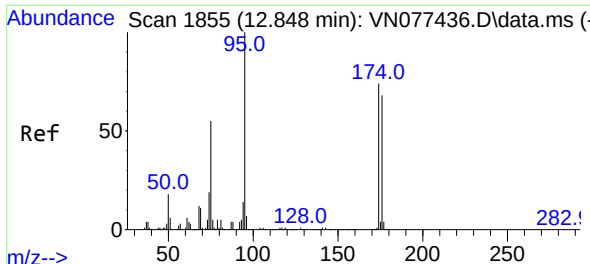
Tgt Ion: 43 Resp: 21266  
Ion Ratio Lower Upper  
43 100  
61 1.6 24.7 37.1#  
87 0.0 14.6 21.8#



#50  
Toluene-d8  
Concen: 52.750 ug/l  
RT: 10.571 min Scan# 1468  
Delta R.T. 0.006 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

Tgt Ion: 98 Resp: 1296497  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.0 78.0

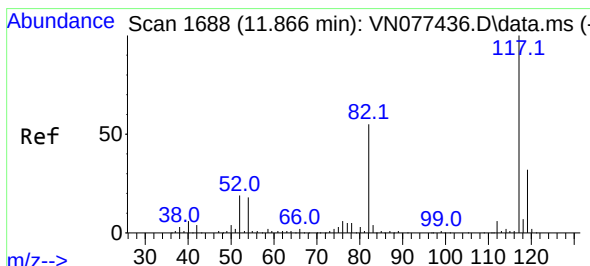
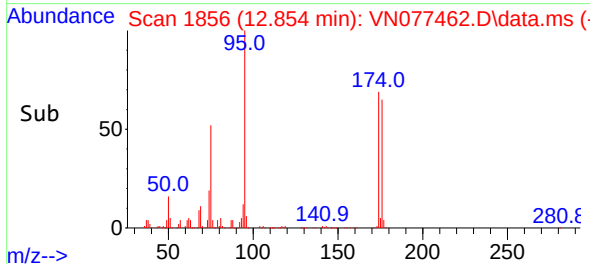
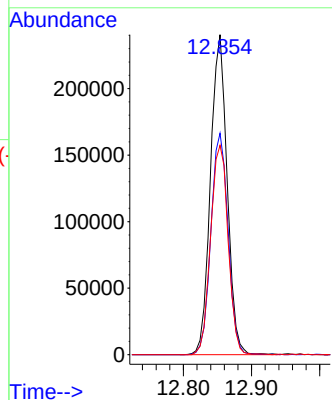
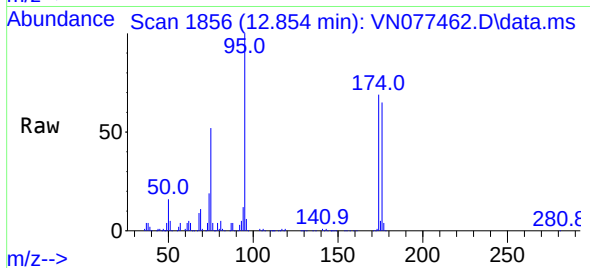




#62  
4-Bromofluorobenzene  
Concen: 50.801 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

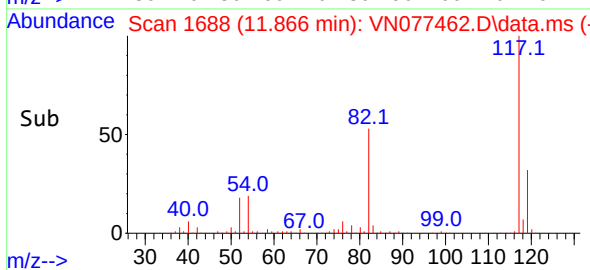
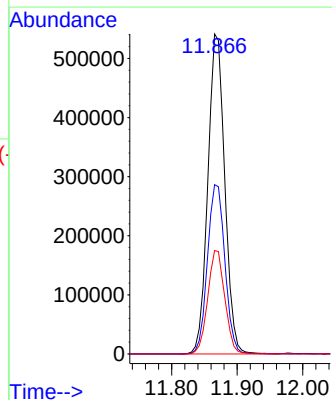
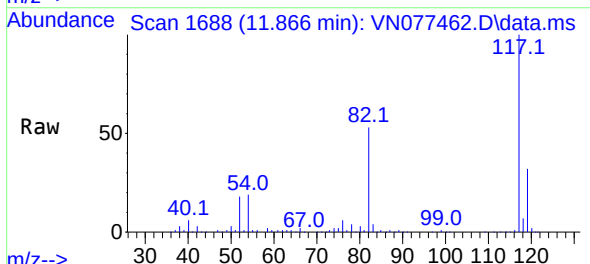
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

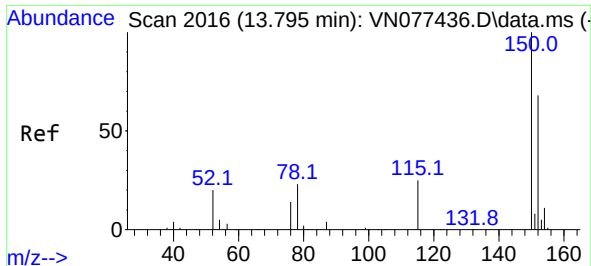
Tgt Ion: 95 Resp: 408513  
Ion Ratio Lower Upper  
95 100  
174 71.1 0.0 143.8  
176 68.9 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

Tgt Ion: 117 Resp: 972106  
Ion Ratio Lower Upper  
117 100  
82 52.9 44.0 66.0  
119 32.3 25.6 38.4

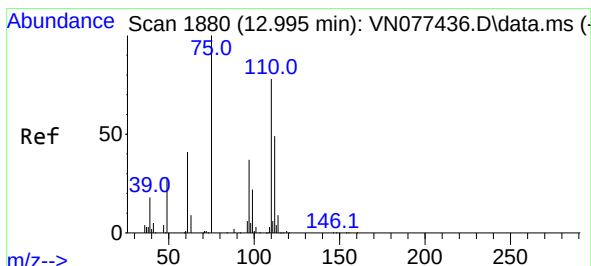
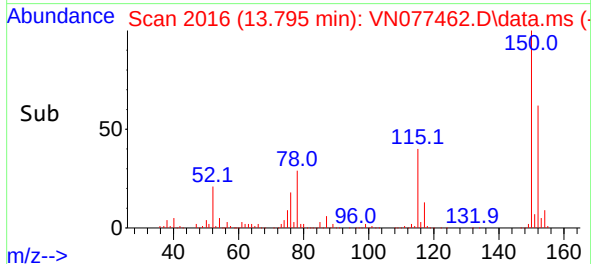
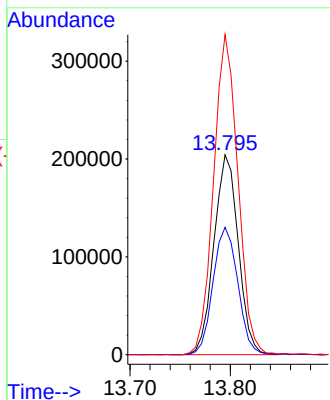
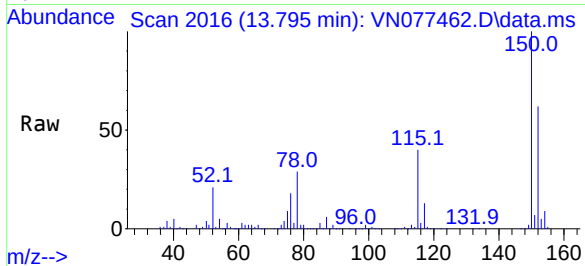




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.795 min Scan# 2016  
 Delta R.T. -0.000 min  
 Lab File: VN077462.D  
 Acq: 25 Apr 2023 10:54

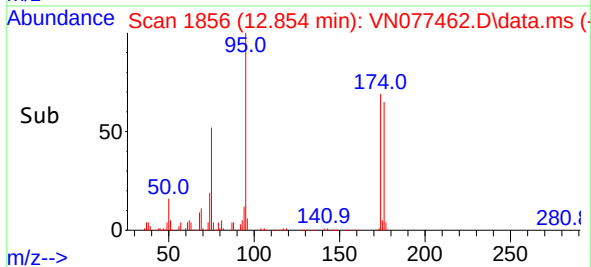
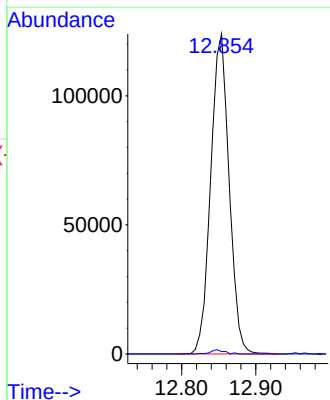
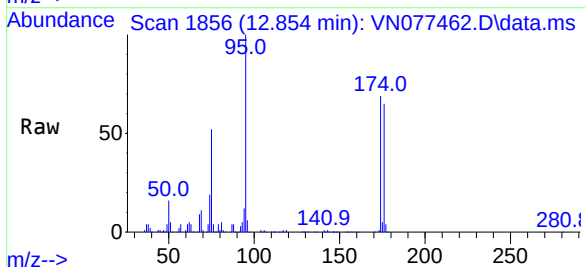
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-3

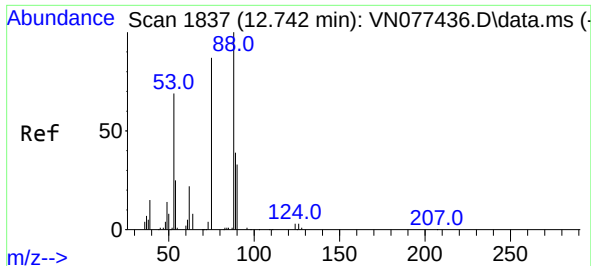
Tgt Ion:152 Resp: 344579  
 Ion Ratio Lower Upper  
 152 100  
 115 65.0 32.3 96.8  
 150 160.2 0.0 355.8



#76  
 1,2,3-Trichloropropane  
 Concen: 26.697 ug/l  
 RT: 12.854 min Scan# 1856  
 Delta R.T. -0.141 min  
 Lab File: VN077462.D  
 Acq: 25 Apr 2023 10:54

Tgt Ion: 75 Resp: 213918  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 84.5 253.5#

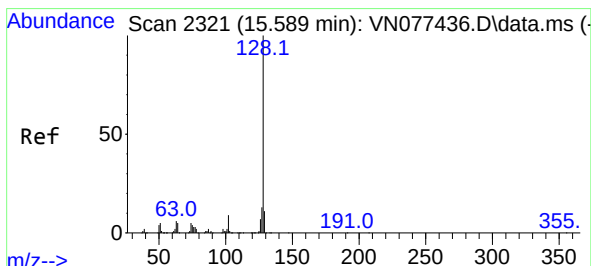
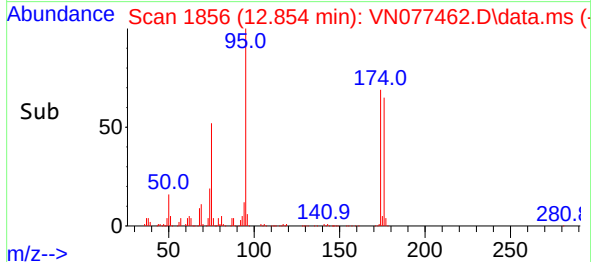
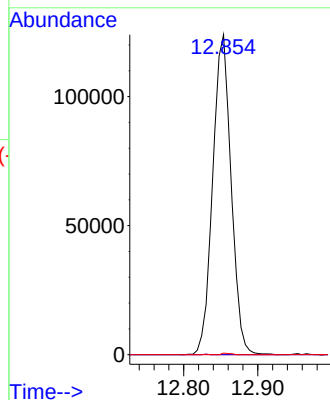
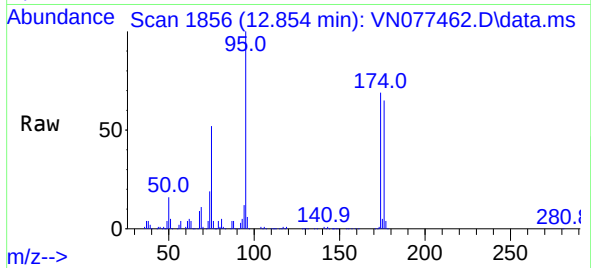




#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.423 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.112 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

Tgt Ion: 75 Resp: 213918  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.4 101.2#  
89 0.2 38.8 58.2#



#95  
Naphthalene  
Concen: 1.148 ug/l  
RT: 15.601 min Scan# 2323  
Delta R.T. 0.012 min  
Lab File: VN077462.D  
Acq: 25 Apr 2023 10:54

Tgt Ion:128 Resp: 63  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.0 15.0#  
129 0.0 8.7 13.1#

