

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031723\  
 Data File : VN077054.D  
 Acq On : 17 Mar 2023 23:51  
 Operator : JC\MD  
 Sample : 01941-13  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE126D1-20230314

Quant Time: Mar 18 02:38:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 18 02:17:37 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 308486   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 573078   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 507569   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 185575   | 50.000 | ug/l  | 0.00     |

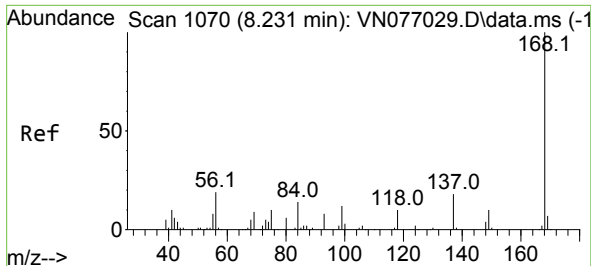
|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 262765   | 53.326   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 106.660% |
| 35) Dibromofluoromethane    | 8.172  | 113   | 190941   | 47.577   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 95.160%  |
| 50) Toluene-d8              | 10.572 | 98    | 706396   | 49.274   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.540%  |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 225127   | 44.440   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 88.880%  |

| Target Compounds              |        |     |        |        | Qvalue |    |
|-------------------------------|--------|-----|--------|--------|--------|----|
| 16) Acetone                   | 4.460  | 43  | 1511   | 0.688  | ug/l # | 43 |
| 31) Cyclohexane               | 8.230  | 56  | 8517   | 1.056  | ug/l # | 2  |
| 36) 1,1-Dichloropropene       | 8.230  | 75  | 30720  | 4.901  | ug/l # | 50 |
| 38) Carbon Tetrachloride      | 8.230  | 117 | 36397  | 5.961  | ug/l # | 15 |
| 44) Trichloroethene           | 9.360  | 130 | 62988  | 14.425 | ug/l   | 99 |
| 49) 1,4-Dioxane               | 9.707  | 88  | 587    | 6.862  | ug/l # | 86 |
| 51) 4-Methyl-2-Pentanone      | 10.572 | 43  | 3685   | 0.565  | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.854 | 75  | 126888 | 26.434 | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.854 | 75  | 126888 | 72.762 | ug/l # | 10 |
| 95) Naphthalene               | 15.642 | 128 | 146    | 1.923  | ug/l # | 70 |

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

Quant Time: Mar 18 02:38:26 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 18 02:17:37 2023  
Response via : Initial Calibration

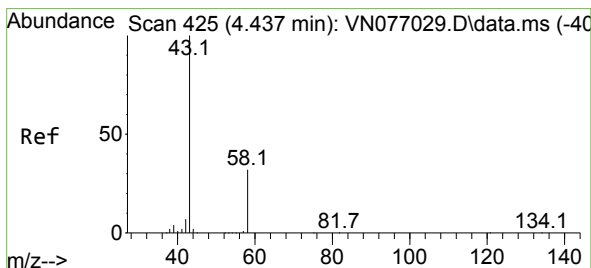
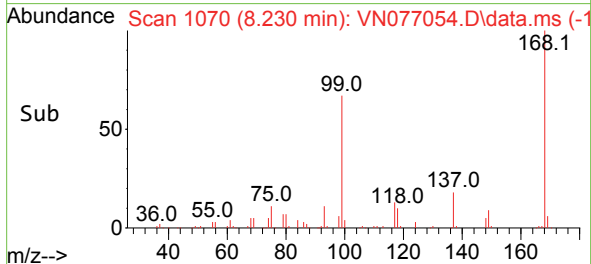
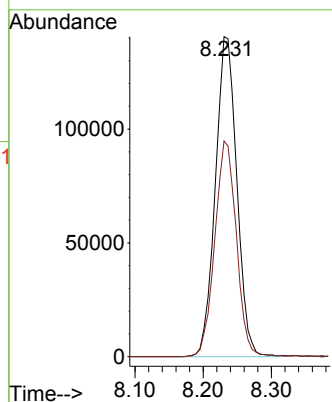
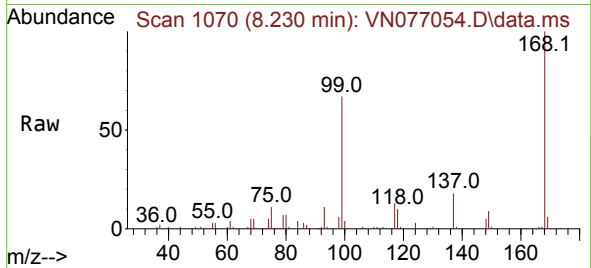




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1070  
Delta R.T. -0.001 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

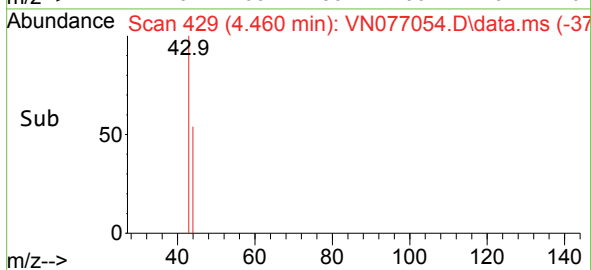
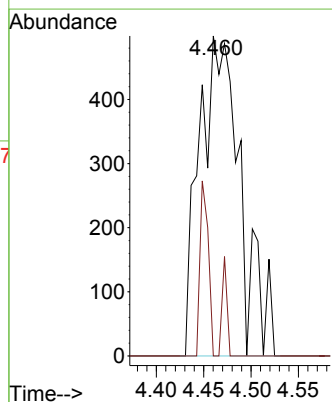
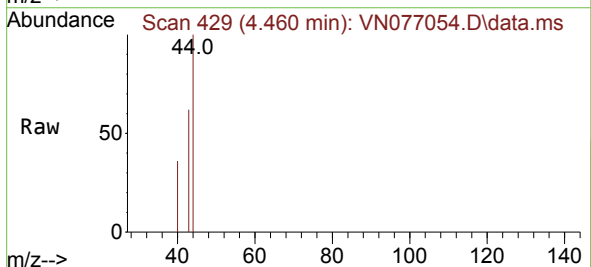
Instrument :  
MSVOA\_N  
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RE126D1-20230314

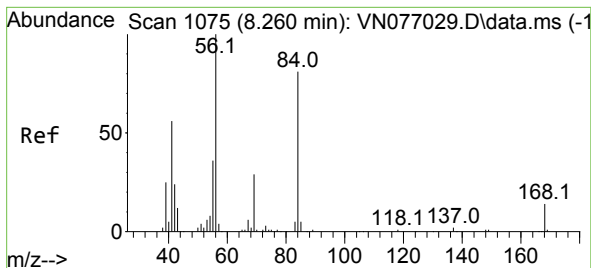
Tgt Ion:168 Resp: 308486  
Ion Ratio Lower Upper  
168 100  
99 67.4 53.9 80.9



#16  
Acetone  
Concen: 0.688 ug/l  
RT: 4.460 min Scan# 429  
Delta R.T. 0.023 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

Tgt Ion: 43 Resp: 1511  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.4 38.0#





#31

Cyclohexane

Concen: 1.056 ug/l

RT: 8.230 min Scan# 1075

Delta R.T. -0.029 min

Lab File: VN077054.D

Acq: 17 Mar 2023 23:51

Instrument :

MSVOA\_N

ClientSampleId :

RE126D1-20230314

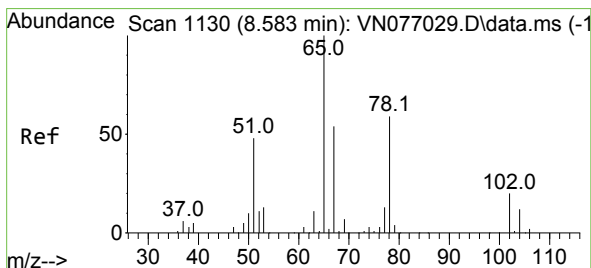
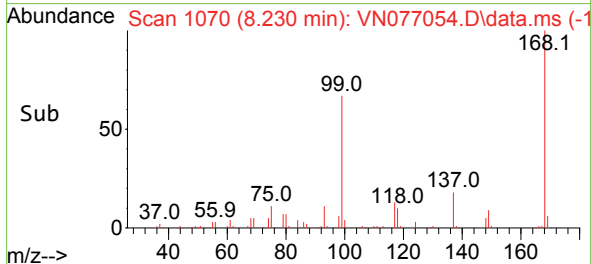
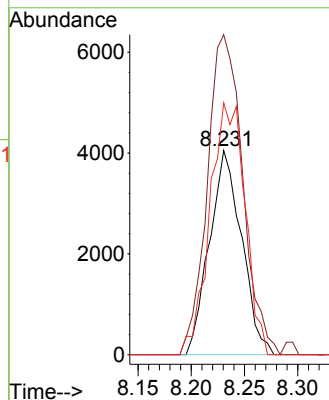
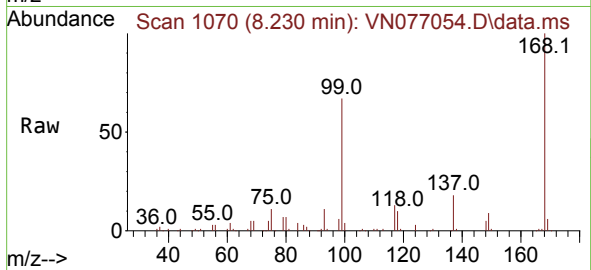
Tgt Ion: 56 Resp: 8517

Ion Ratio Lower Upper

56 100

69 156.8 22.8 34.2#

84 123.4 64.7 97.1#



#33

1,2-Dichloroethane-d4

Concen: 53.326 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077054.D

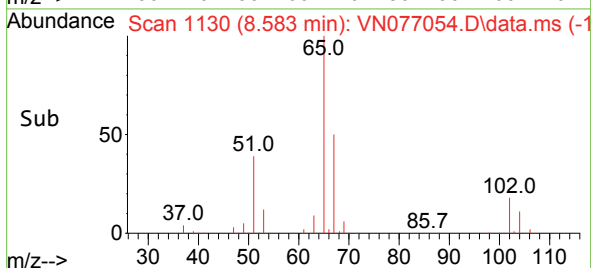
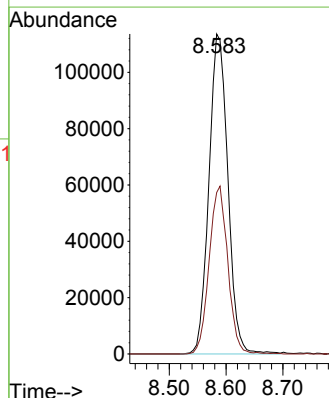
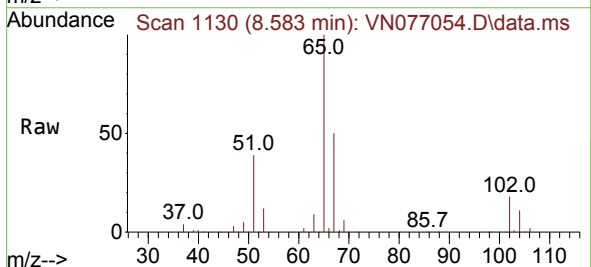
Acq: 17 Mar 2023 23:51

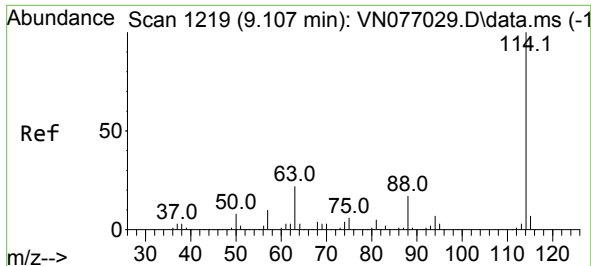
Tgt Ion: 65 Resp: 262765

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.2

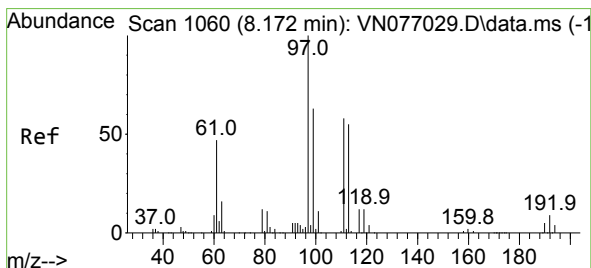
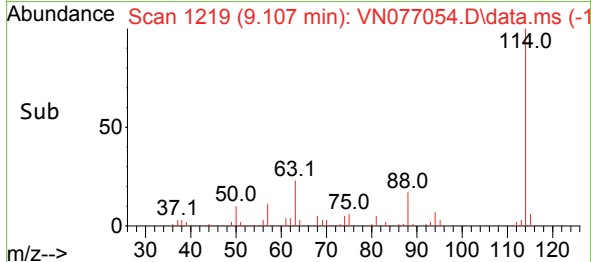
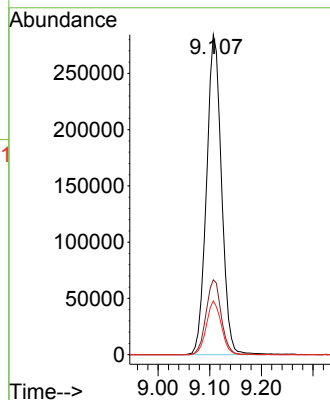
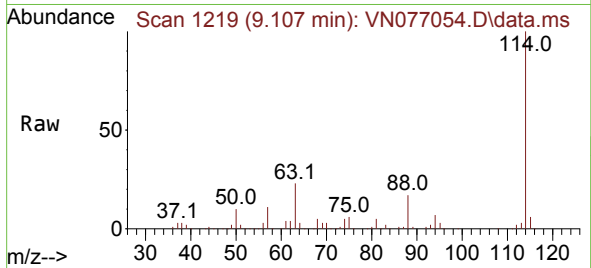




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.107 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

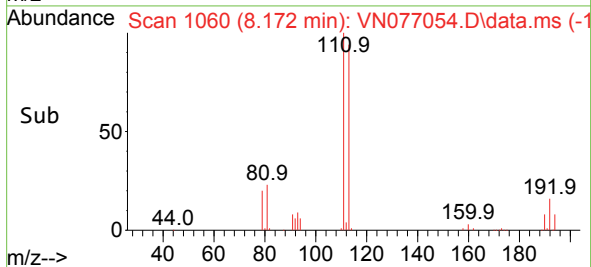
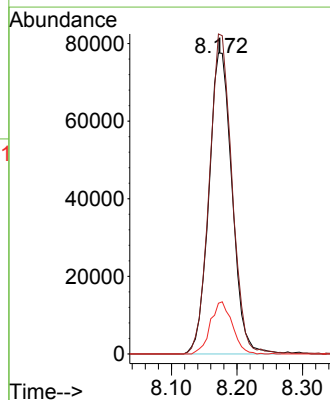
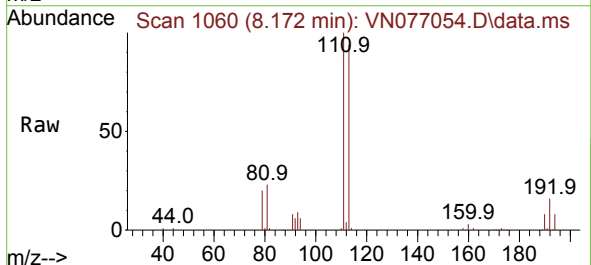
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE126D1-20230314

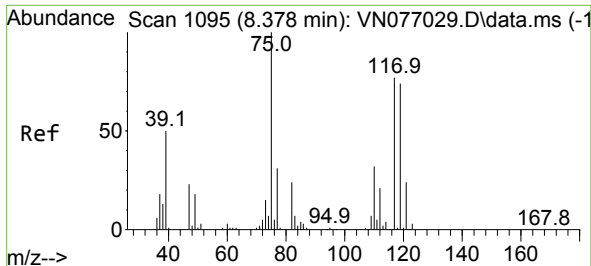
Tgt Ion:114 Resp: 573078  
Ion Ratio Lower Upper  
114 100  
63 23.4 0.0 44.6  
88 16.8 0.0 33.8



#35  
Dibromofluoromethane  
Concen: 47.577 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

Tgt Ion:113 Resp: 190941  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.2 123.2  
192 16.3 13.0 19.6

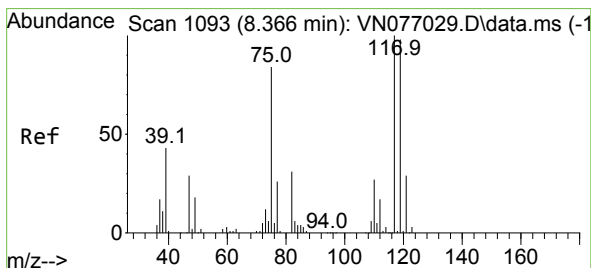
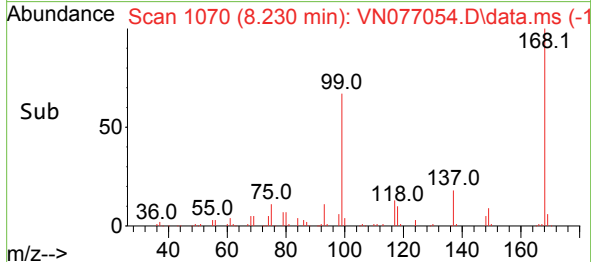
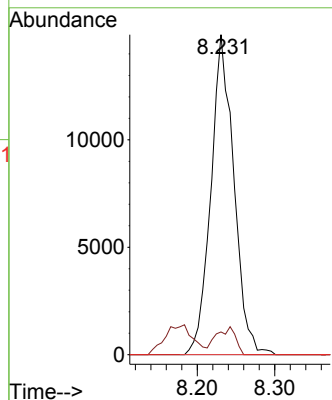
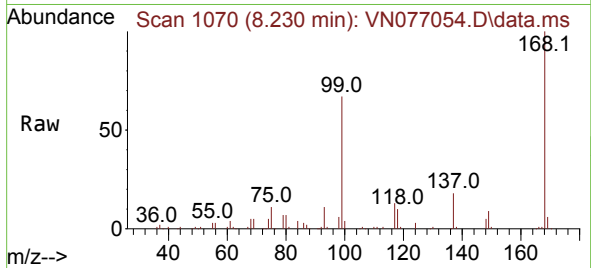




#36  
1,1-Dichloropropene  
Concen: 4.901 ug/l  
RT: 8.230 min Scan# 1070  
Delta R.T. -0.147 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

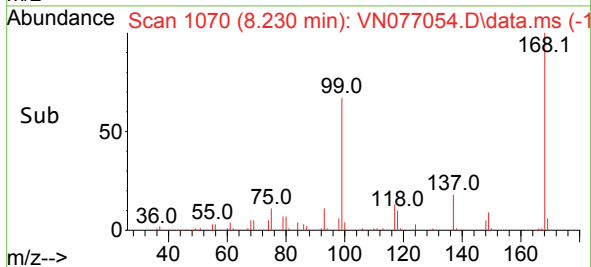
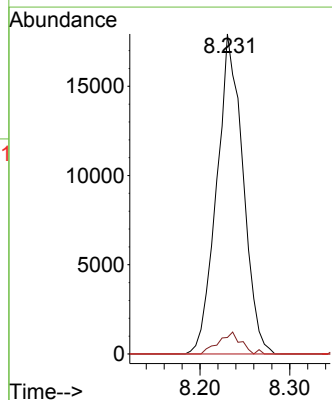
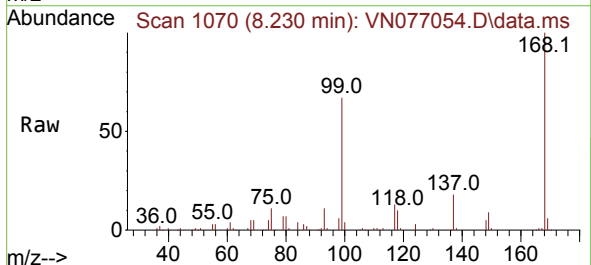
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE126D1-20230314

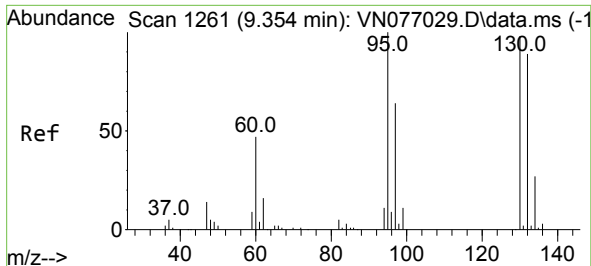
Tgt Ion: 75 Resp: 30720  
Ion Ratio Lower Upper  
75 100  
110 7.3 15.9 47.7#  
77 0.0 24.3 36.5#



#38  
Carbon Tetrachloride  
Concen: 5.961 ug/l  
RT: 8.230 min Scan# 1070  
Delta R.T. -0.135 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

Tgt Ion:117 Resp: 36397  
Ion Ratio Lower Upper  
117 100  
119 5.1 78.2 117.2#  
121 0.0 23.2 34.8#

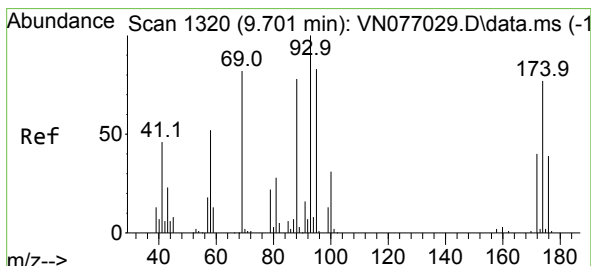
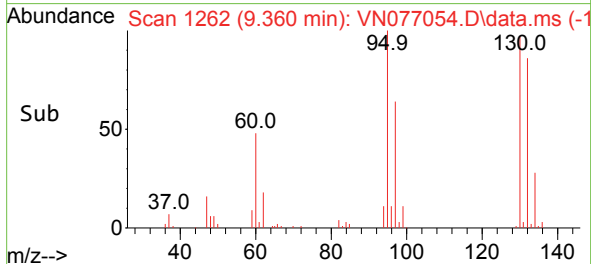
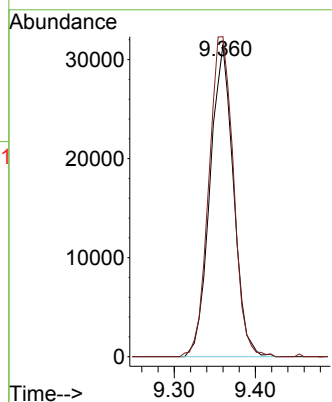
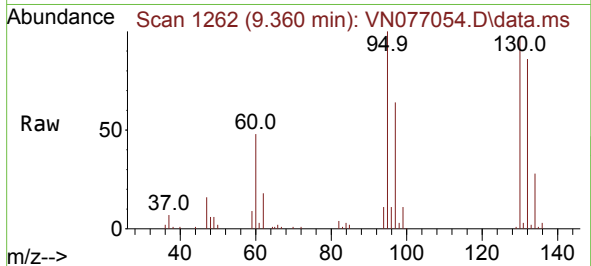




#44  
Trichloroethene  
Concen: 14.425 ug/l  
RT: 9.360 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

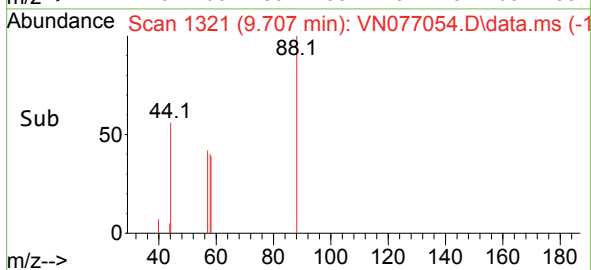
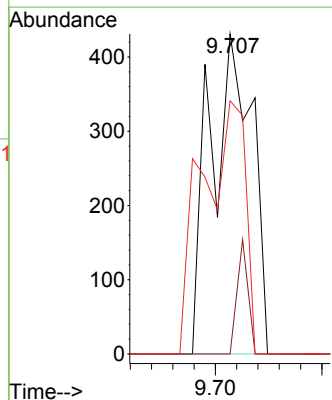
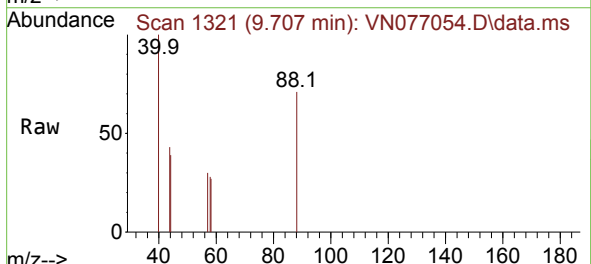
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ClientSampleId :  
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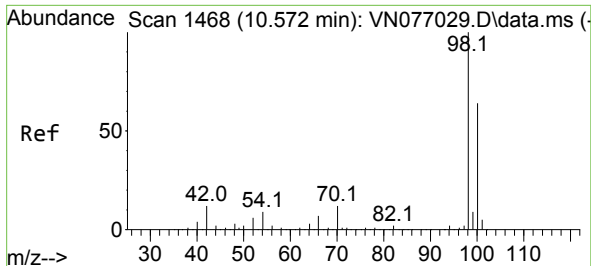
Tgt Ion:130 Resp: 62988  
Ion Ratio Lower Upper  
130 100  
95 102.7 0.0 204.4



#49  
1,4-Dioxane  
Concen: 6.862 ug/l  
RT: 9.707 min Scan# 1321  
Delta R.T. 0.006 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

Tgt Ion: 88 Resp: 587  
Ion Ratio Lower Upper  
88 100  
43 9.2 22.2 33.2#  
58 81.6 60.8 91.2

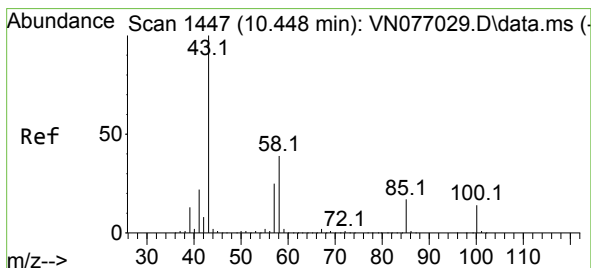
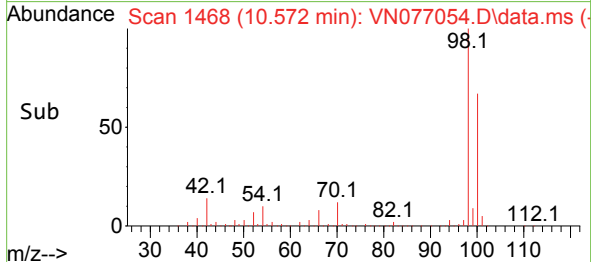
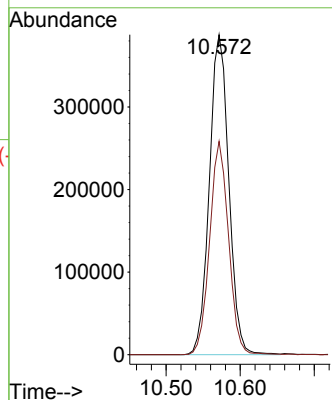
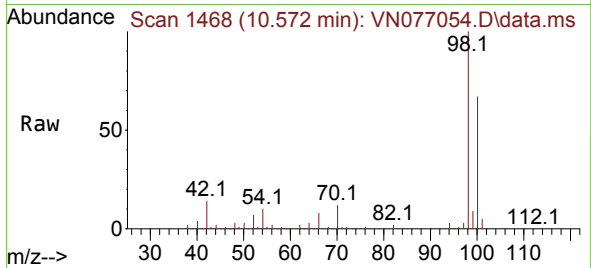




#50  
Toluene-d8  
Concen: 49.274 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

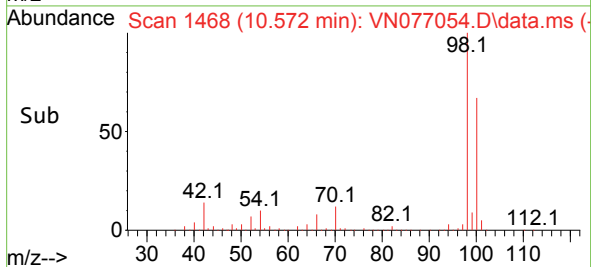
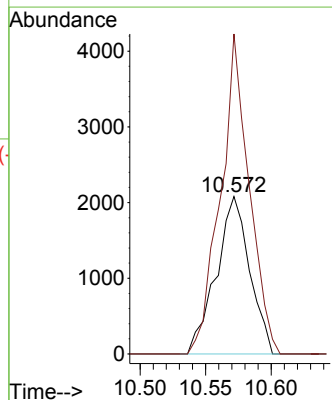
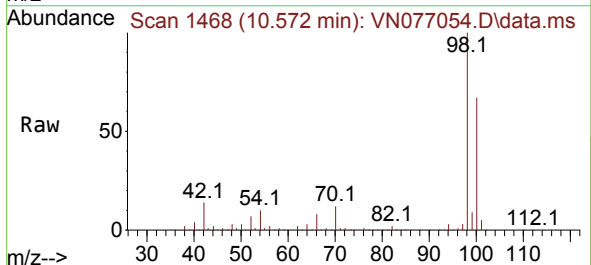
Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion: 98 Resp: 706396  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.6 77.4

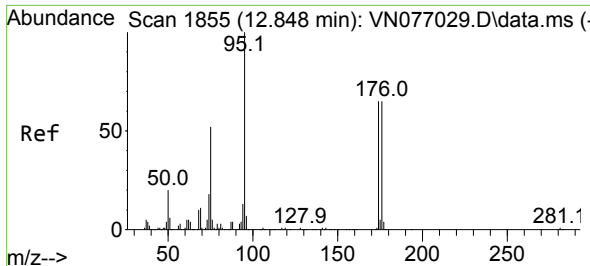


#51  
4-Methyl-2-Pentanone  
Concen: 0.565 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. 0.123 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

Tgt Ion: 43 Resp: 3685  
Ion Ratio Lower Upper  
43 100  
58 174.8 31.1 46.7#



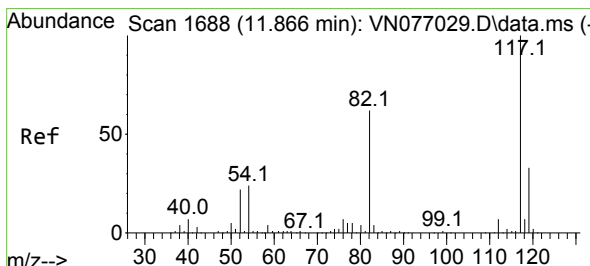
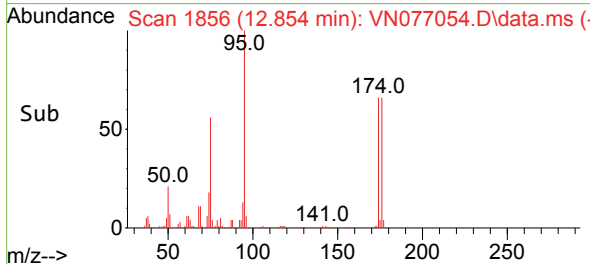
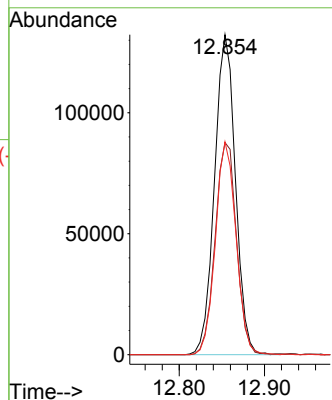
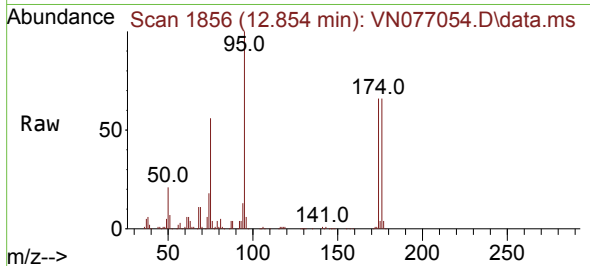




#62  
4-Bromofluorobenzene  
Concen: 44.440 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

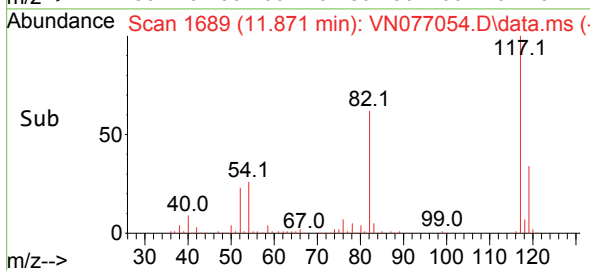
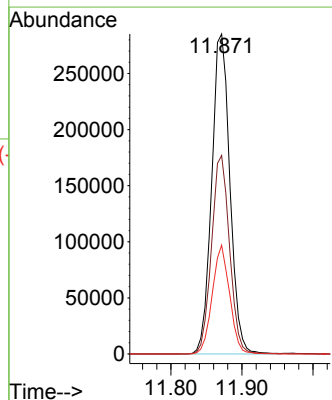
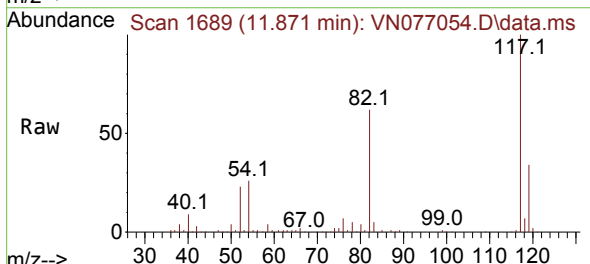
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE126D1-20230314

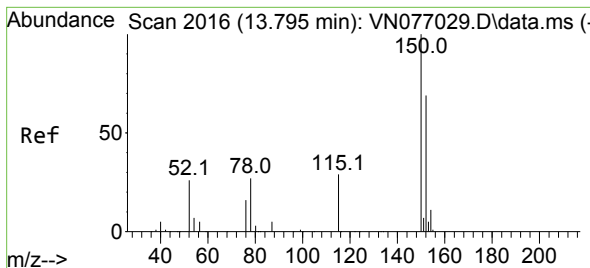
Tgt Ion: 95 Resp: 225127  
Ion Ratio Lower Upper  
95 100  
174 67.9 0.0 136.6  
176 65.7 0.0 130.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1689  
Delta R.T. 0.006 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

Tgt Ion: 117 Resp: 507569  
Ion Ratio Lower Upper  
117 100  
82 62.0 49.4 74.0  
119 34.0 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077054.D

Acq: 17 Mar 2023 23:51

Instrument :

MSVOA\_N

ClientSampleId :

RE126D1-20230314

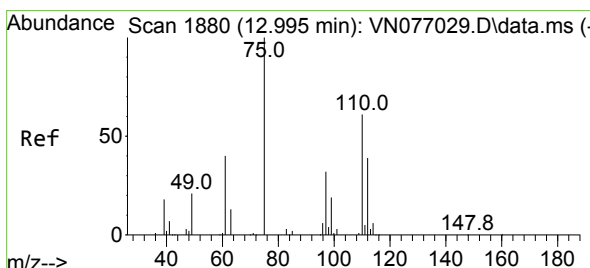
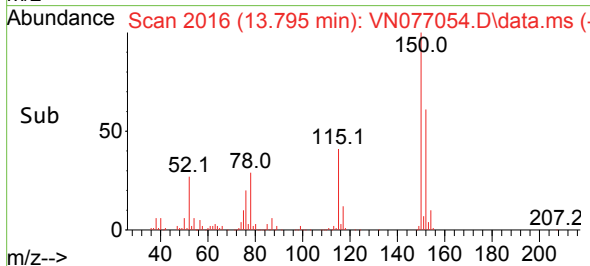
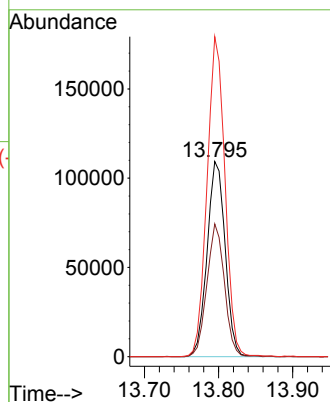
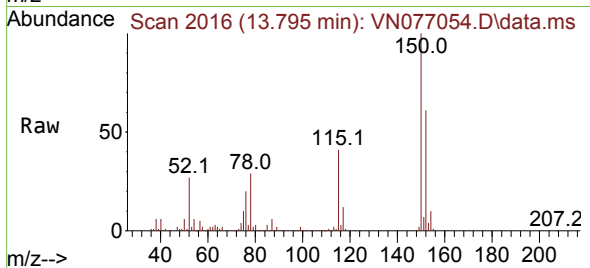
Tgt Ion:152 Resp: 185575

Ion Ratio Lower Upper

152 100

115 66.0 31.9 95.7

150 162.2 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 26.434 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077054.D

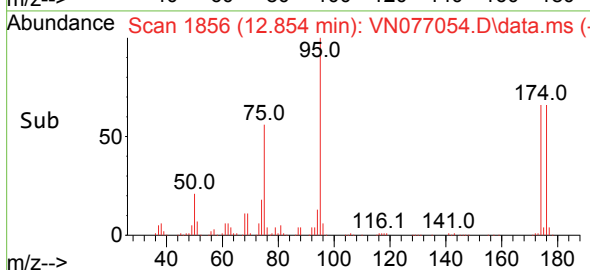
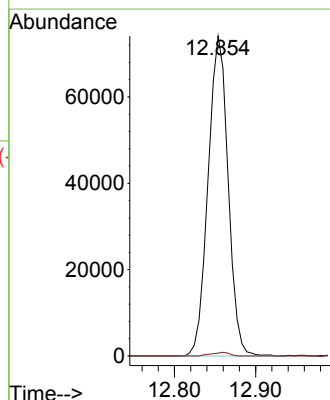
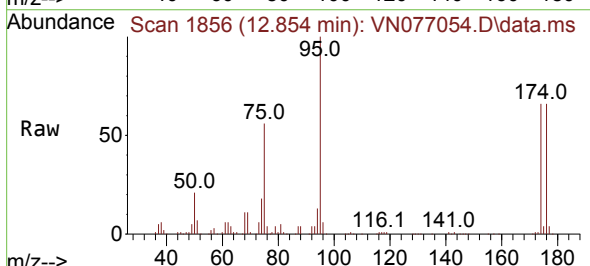
Acq: 17 Mar 2023 23:51

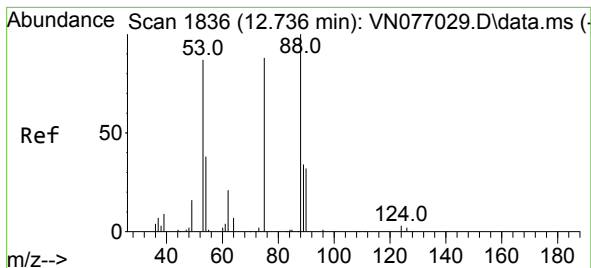
Tgt Ion: 75 Resp: 126888

Ion Ratio Lower Upper

75 100

77 1.0 107.3 322.0#

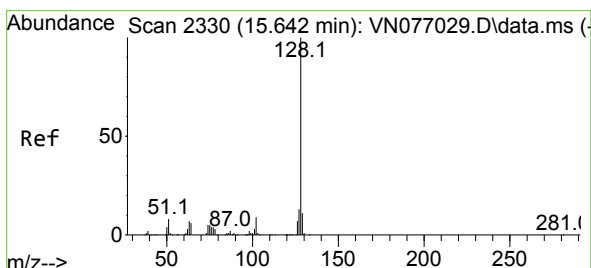
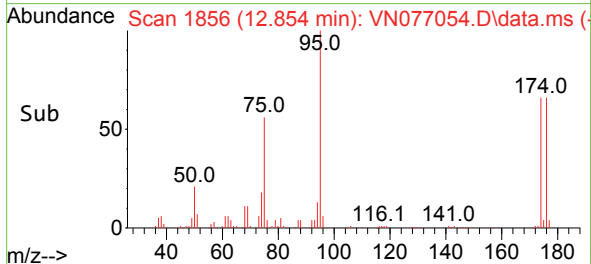
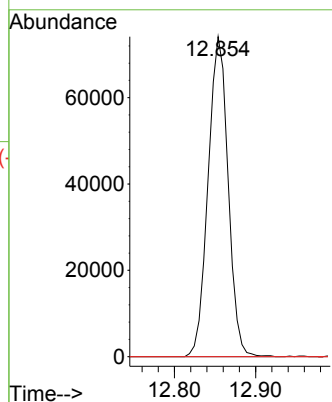
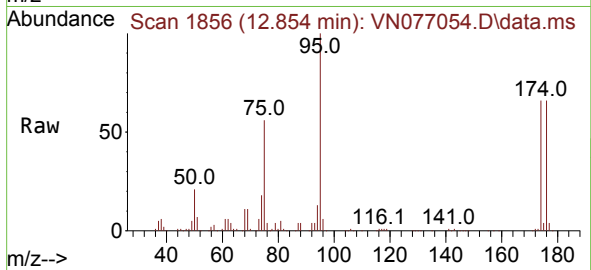




#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.762 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.118 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
RE126D1-20230314

Tgt Ion: 75 Resp: 126888  
Ion Ratio Lower Upper  
75 100  
53 0.0 80.8 121.2#  
89 0.0 34.2 51.4#



#95  
Naphthalene  
Concen: 1.923 ug/l  
RT: 15.642 min Scan# 2330  
Delta R.T. -0.000 min  
Lab File: VN077054.D  
Acq: 17 Mar 2023 23:51

Tgt Ion: 128 Resp: 146  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.0 15.0#  
129 0.0 8.6 13.0#

