

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112122\  
 Data File : VN075349.D  
 Acq On : 21 Nov 2022 18:18  
 Operator : JC\MD  
 Sample : N5699-01ME  
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 AREA-COMP-EXCAV-1ST-AVE

Quant Time: Nov 22 08:19:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 22 08:17:11 2022  
 Response via : Initial Calibration

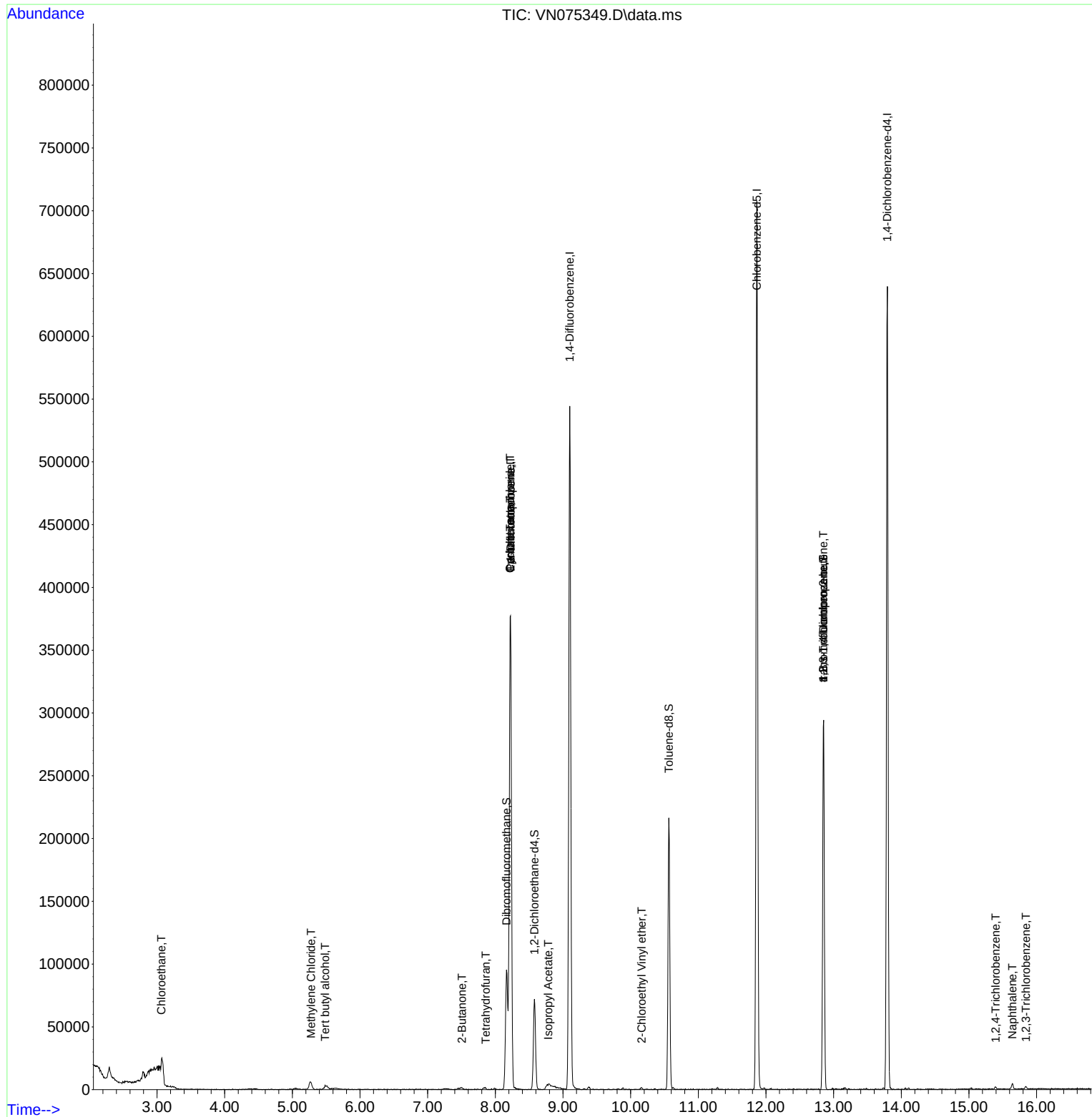
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.224          | 168  | 295546     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100          | 114  | 504148     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 425656     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 181109     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577          | 65   | 57166      | 36.034    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 72.060%#  |        |          |
| 35) Dibromofluoromethane      | 8.165          | 113  | 68931      | 34.806    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 69.620%#  |        |          |
| 50) Toluene-d8                | 10.565         | 98   | 156320     | 35.045    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 70.100%#  |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 100738     | 30.597    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 61.200%#  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 6) Chloroethane               | 3.065          | 64   | 8175       | 1.801     | ug/l # | 52       |
| 11) Tert butyl alcohol        | 5.483          | 59   | 3186       | 4.784     | ug/l # | 72       |
| 18) Methyl Acetate            | 5.042          | 43   | 1182       | Below Cal | #      | 88       |
| 20) Methylene Chloride        | 5.277          | 84   | 5686       | 0.632     | ug/l # | 80       |
| 25) 2-Butanone                | 7.506          | 43   | 1782       | 0.863     | ug/l # | 87       |
| 29) Tetrahydrofuran           | 7.859          | 42   | 497        | 0.395     | ug/l # | 51       |
| 31) Cyclohexane               | 8.218          | 56   | 5604       | 1.112     | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 8.224          | 75   | 21696      | 5.023     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 8.218          | 117  | 31061      | 6.547     | ug/l # | 18       |
| 43) Isopropyl Acetate         | 8.783          | 43   | 8055       | 1.290     | ug/l # | 53       |
| 58) 2-Chloroethyl Vinyl ether | 10.165         | 63   | 756        | 0.447     | ug/l # | 59       |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 52291      | 15.271    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 52291      | 45.182    | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 15.394         | 180  | 930        | 0.301     | ug/l   | 81       |
| 95) Naphthalene               | 15.641         | 128  | 4950       | 0.509     | ug/l # | 89       |
| 96) 1,2,3-Trichlorobenzene    | 15.841         | 180  | 1069       | 0.352     | ug/l   | 89       |
| -----                         |                |      |            |           |        |          |

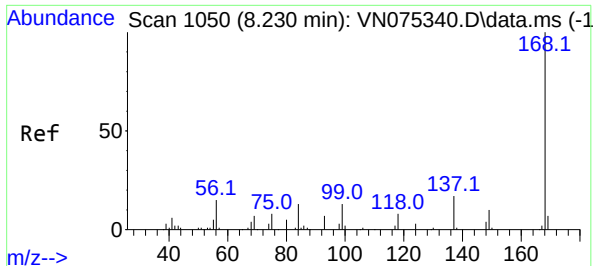
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112122\  
Data File : VN075349.D  
Acq On : 21 Nov 2022 18:18  
Operator : JC\MD  
Sample : N5699-01ME  
Misc : 5.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
AREA-COMP-EXCAV-1ST-AVE

Quant Time: Nov 22 08:19:57 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 22 08:17:11 2022  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN075349.D

Acq: 21 Nov 2022 18:18

Instrument :

MSVOA\_N

ClientSampleId :

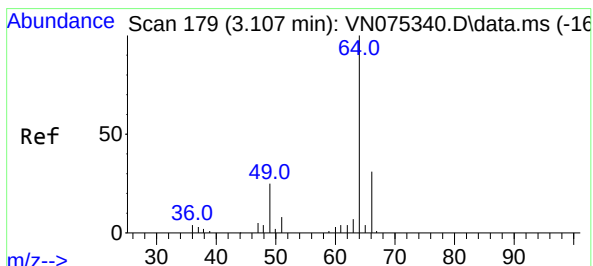
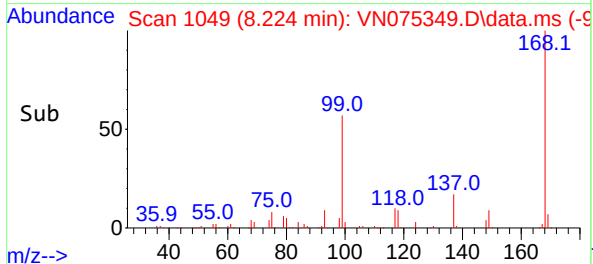
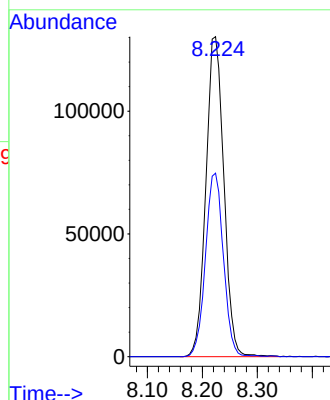
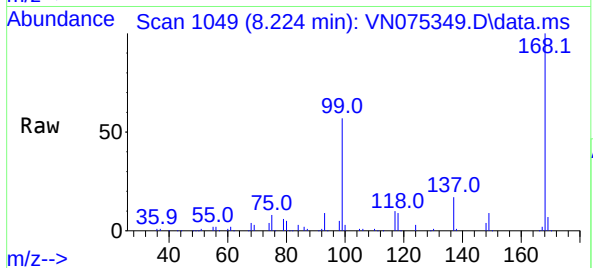
AREA-COMP-EXCAV-1ST-AVE

Tgt Ion:168 Resp: 295546

Ion Ratio Lower Upper

168 100

99 57.3 51.6 77.4



#6

Chloroethane

Concen: 1.801 ug/l

RT: 3.065 min Scan# 172

Delta R.T. -0.042 min

Lab File: VN075349.D

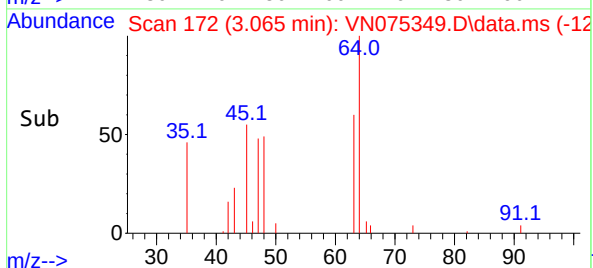
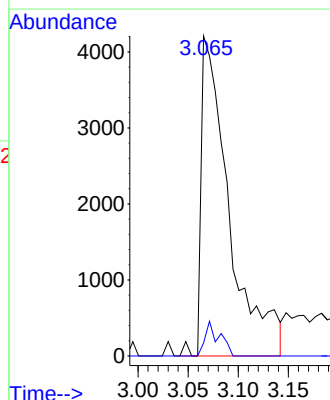
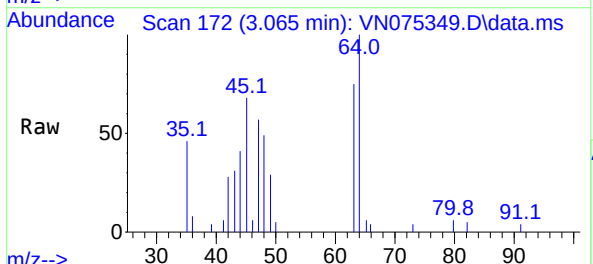
Acq: 21 Nov 2022 18:18

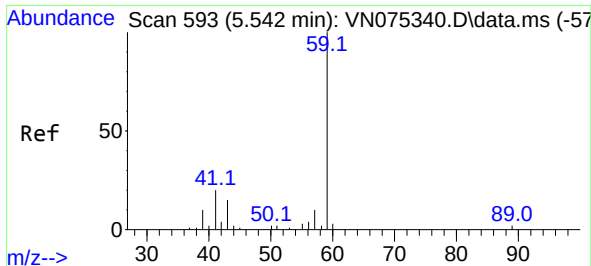
Tgt Ion: 64 Resp: 8175

Ion Ratio Lower Upper

64 100

66 4.0 23.8 35.8#

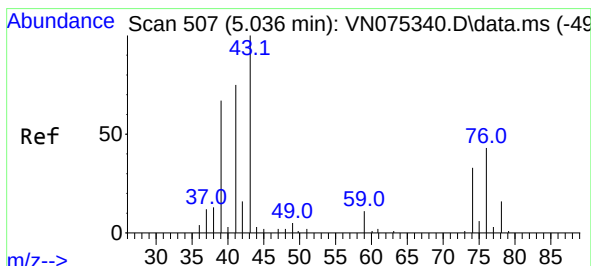
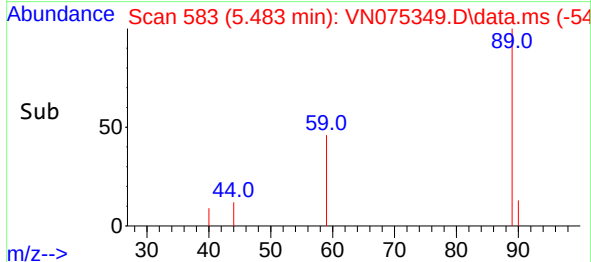
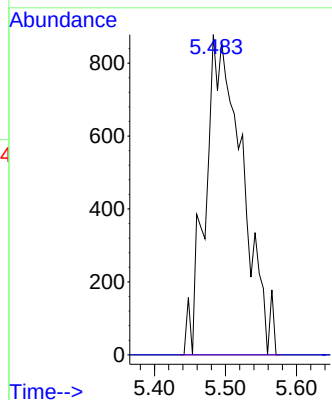
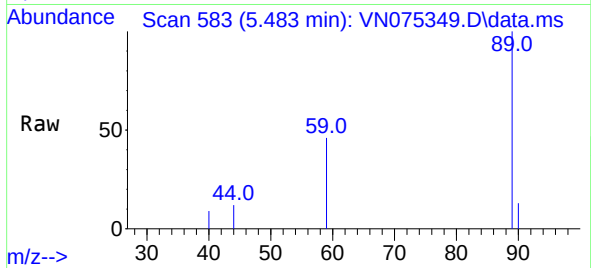




#11  
Tert butyl alcohol  
Concen: 4.784 ug/l  
RT: 5.483 min Scan# 51  
Delta R.T. -0.059 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

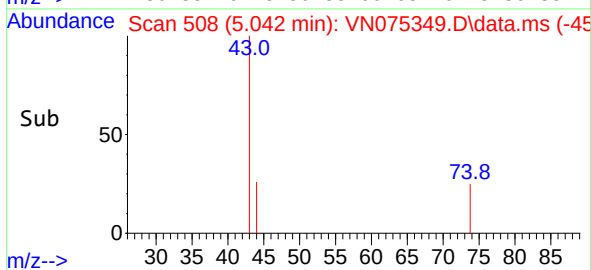
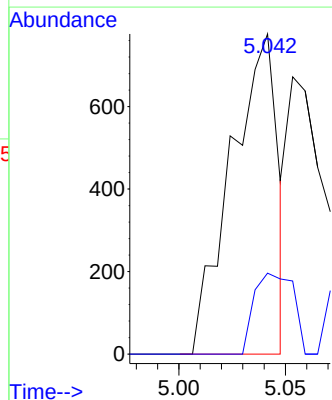
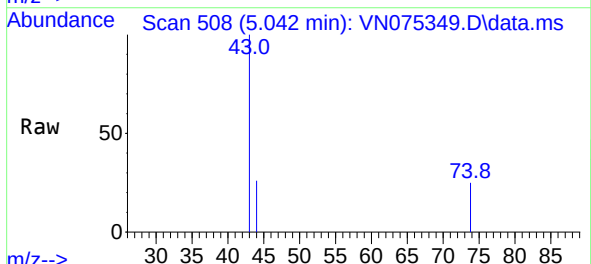
Instrument :  
MSVOA\_N  
ClientSampleId :  
AREA-COMP-EXCAV-1ST-AVE

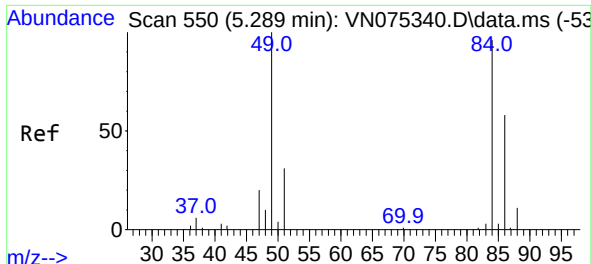
Tgt Ion: 59 Resp: 3186  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.042 min Scan# 508  
Delta R.T. 0.006 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Tgt Ion: 43 Resp: 1182  
Ion Ratio Lower Upper  
43 100  
74 21.2 22.0 33.0#

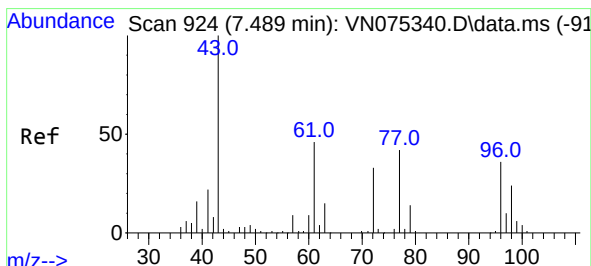
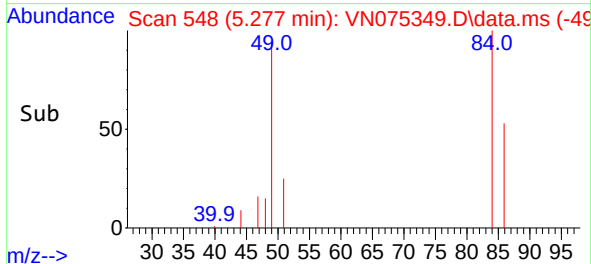
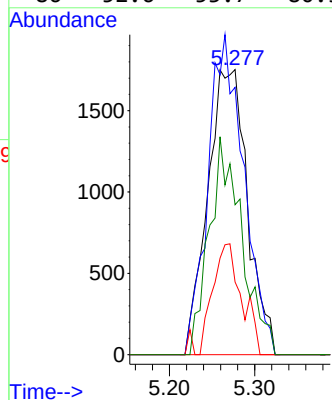
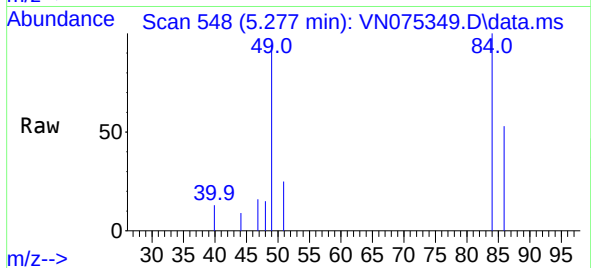




#20  
Methylene Chloride  
Concen: 0.632 ug/l  
RT: 5.277 min Scan# 54  
Delta R.T. -0.012 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

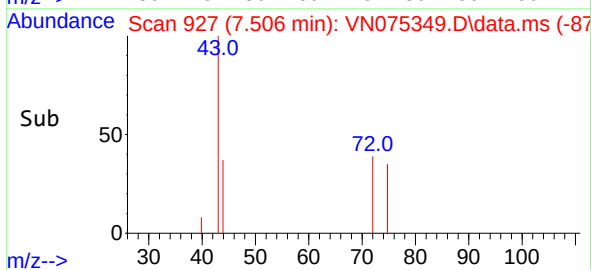
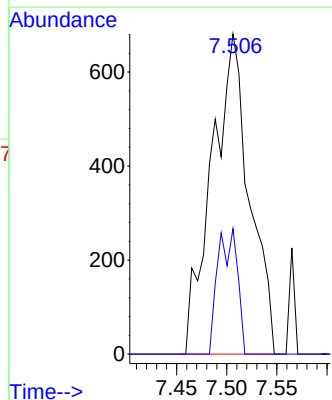
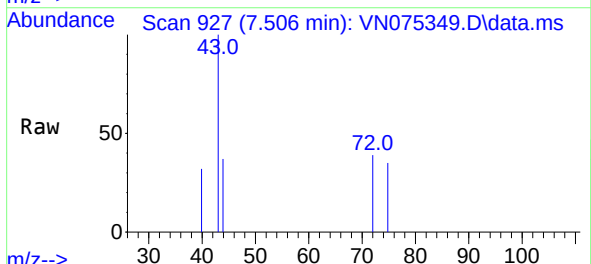
Instrument :  
MSVOA\_N  
ClientSampleId :  
AREA-COMP-EXCAV-1ST-AVE

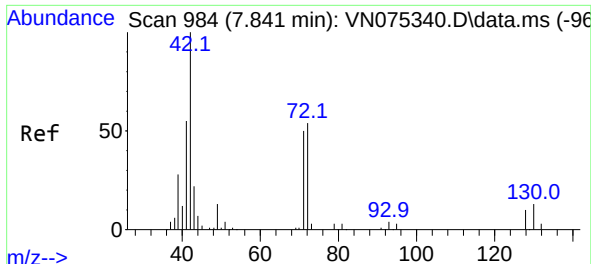
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 5686   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 93.7  | 94.9  | 142.3# |
| 51       | 25.5  | 26.8  | 40.2#  |
| 86       | 52.6  | 53.7  | 80.5#  |



#25  
2-Butanone  
Concen: 0.863 ug/l  
RT: 7.506 min Scan# 927  
Delta R.T. 0.017 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1782  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 39.2  | 25.5  | 38.3# |

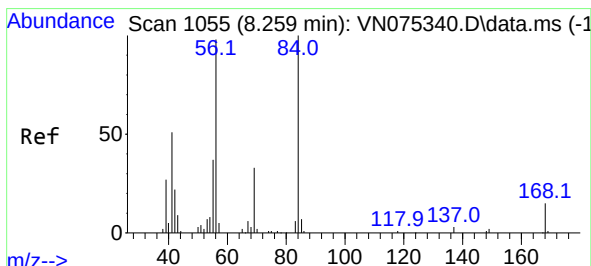
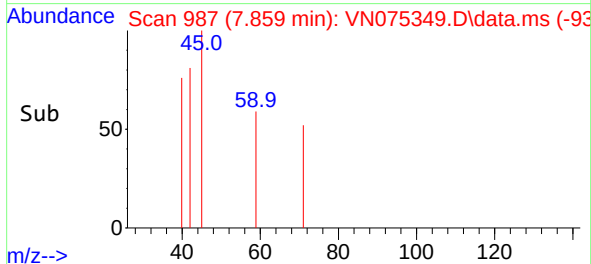
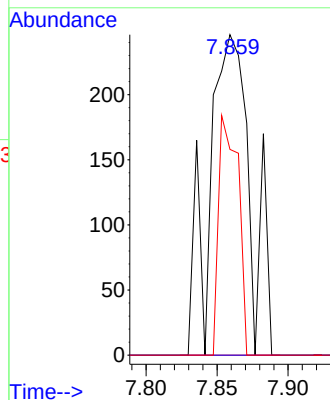
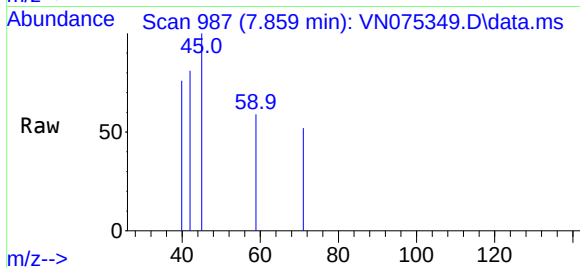




#29  
Tetrahydrofuran  
Concen: 0.395 ug/l  
RT: 7.859 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

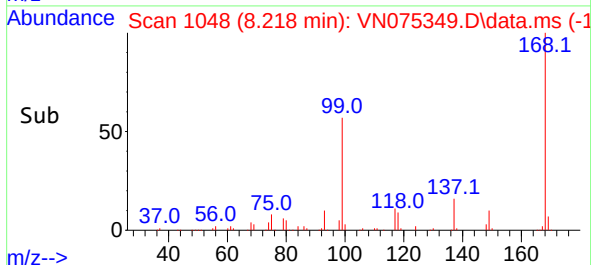
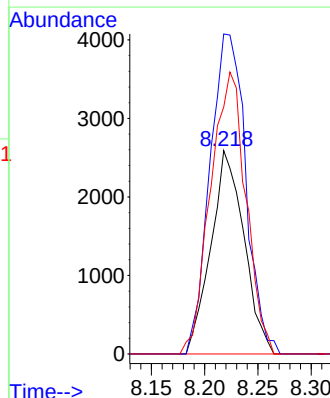
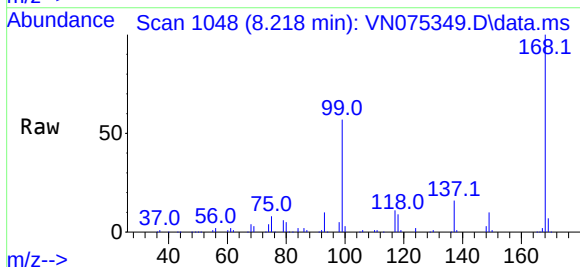
Instrument :  
MSVOA\_N  
ClientSampleId :  
AREA-COMP-EXCAV-1ST-AVE

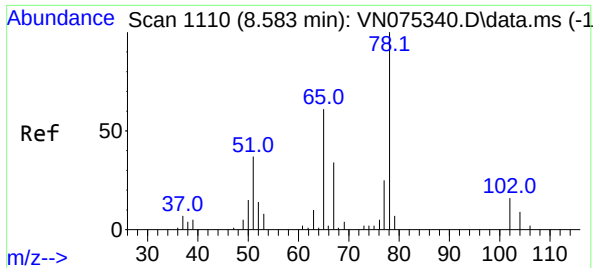
Tgt Ion: 42 Resp: 497  
Ion Ratio Lower Upper  
42 100  
72 0.0 43.0 64.6#  
71 35.2 39.9 59.9#



#31  
Cyclohexane  
Concen: 1.112 ug/l  
RT: 8.218 min Scan# 1048  
Delta R.T. -0.041 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Tgt Ion: 56 Resp: 5604  
Ion Ratio Lower Upper  
56 100  
69 157.4 25.2 37.8#  
84 121.4 77.8 116.8#

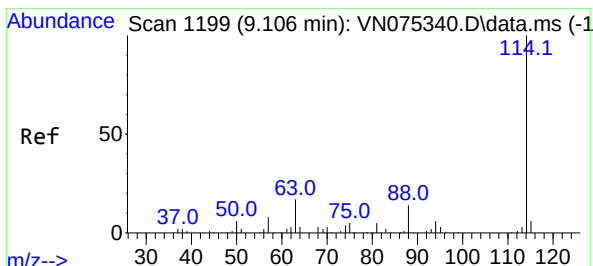
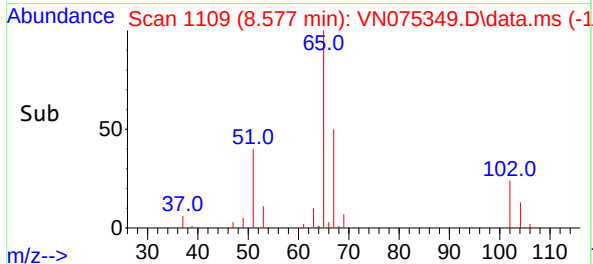
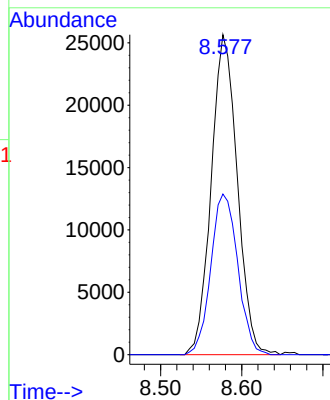
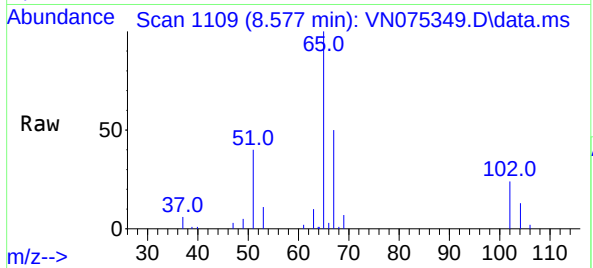




#33  
1,2-Dichloroethane-d4  
Concen: 36.034 ug/l  
RT: 8.577 min Scan# 1109  
Delta R.T. -0.006 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

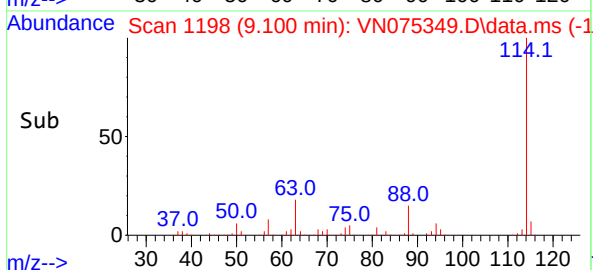
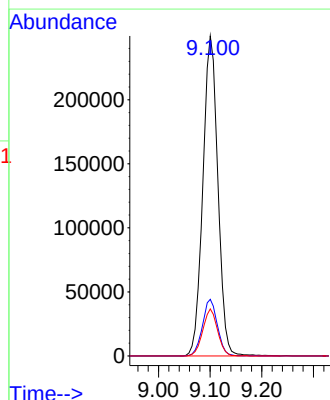
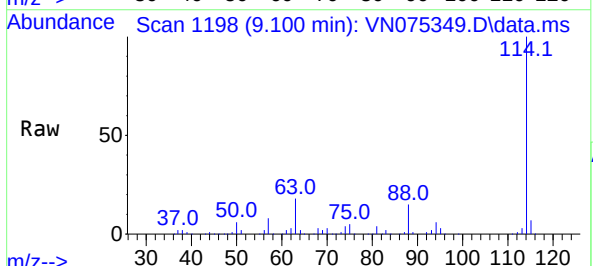
Instrument :  
MSVOA\_N  
ClientSampleId :  
AREA-COMP-EXCAV-1ST-AVE

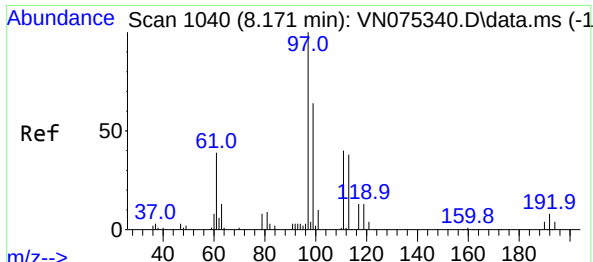
Tgt Ion: 65 Resp: 57166  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 102.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1198  
Delta R.T. -0.006 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Tgt Ion: 114 Resp: 504148  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 39.6  
88 14.7 0.0 29.0

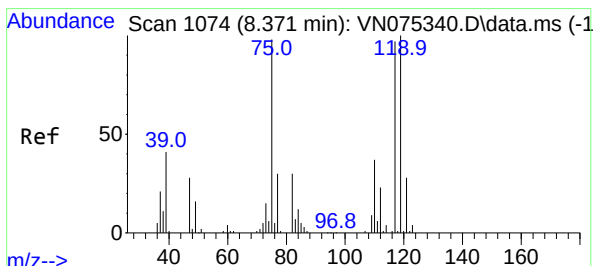
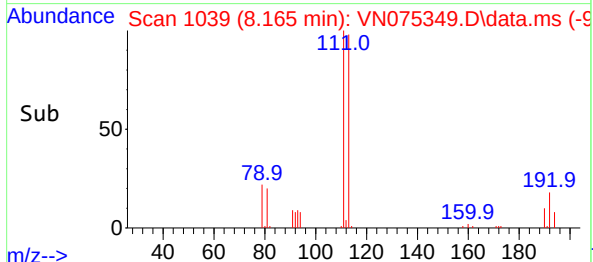
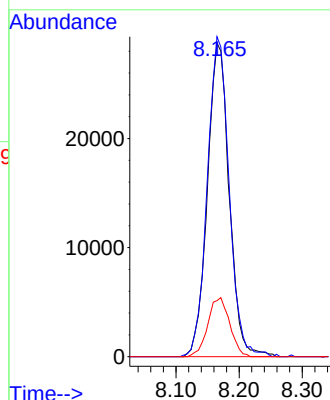
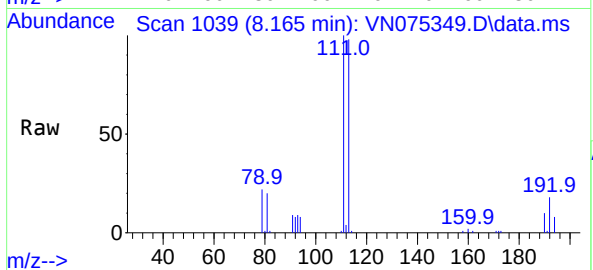




#35  
Dibromofluoromethane  
Concen: 34.806 ug/l  
RT: 8.165 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

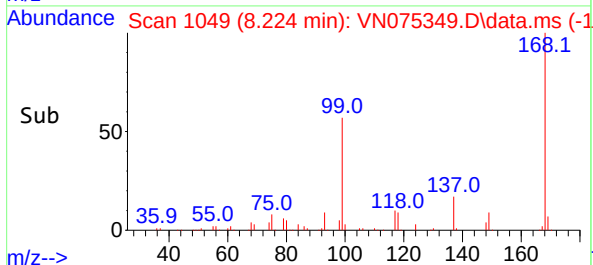
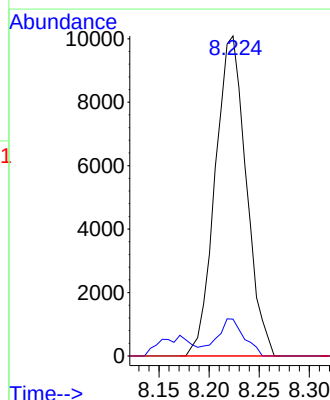
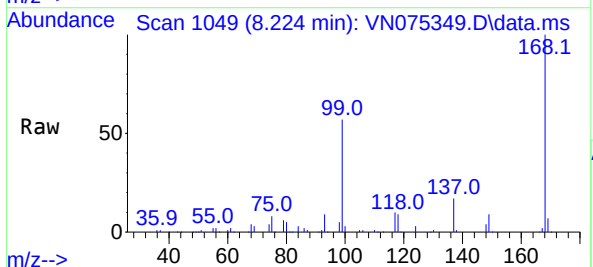
Instrument : MSVOA\_N  
ClientSampleId : AREA-COMP-EXCAV-1ST-AVE

Tgt Ion:113 Resp: 68931  
Ion Ratio Lower Upper  
113 100  
111 102.2 80.5 120.7  
192 18.9 13.2 19.8

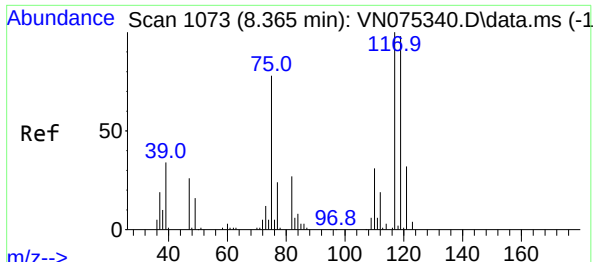


#36  
1,1-Dichloropropene  
Concen: 5.023 ug/l  
RT: 8.224 min Scan# 1049  
Delta R.T. -0.147 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Tgt Ion: 75 Resp: 21696  
Ion Ratio Lower Upper  
75 100  
110 10.2 17.8 53.3#  
77 0.0 24.6 37.0#

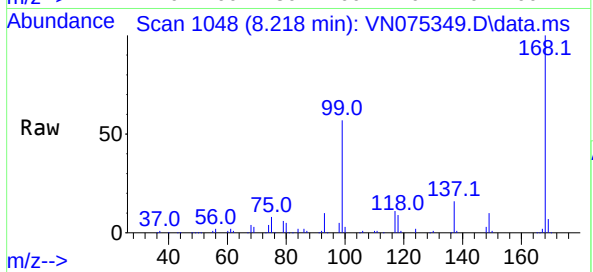




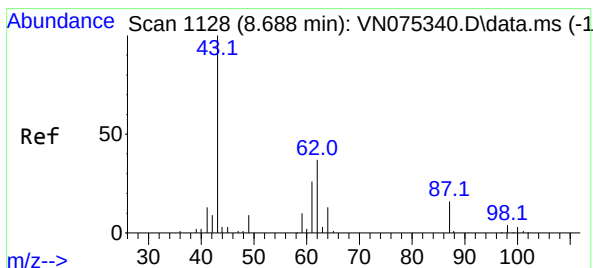
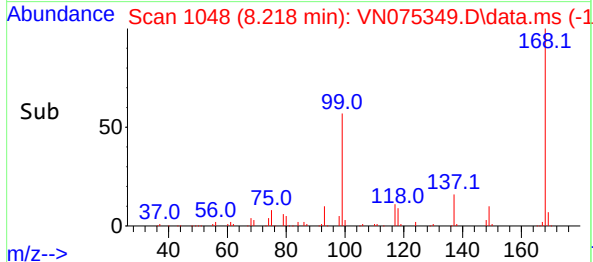
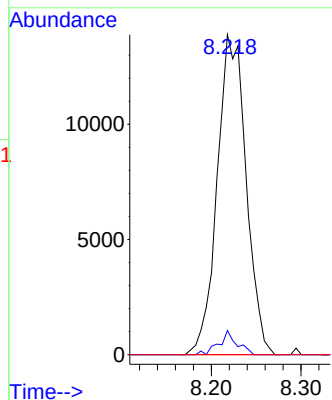


#38  
Carbon Tetrachloride  
Concen: 6.547 ug/l  
RT: 8.218 min Scan# 1106  
Delta R.T. -0.147 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
AREA-COMP-EXCAV-1ST-AVE

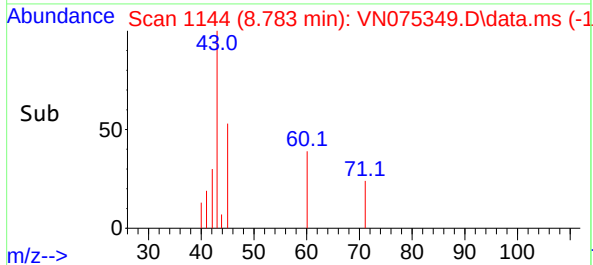
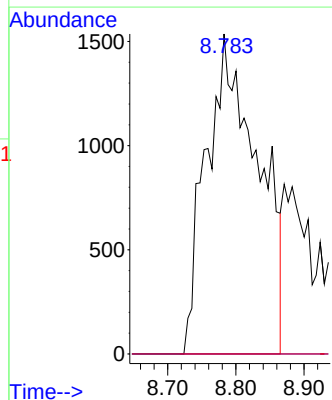
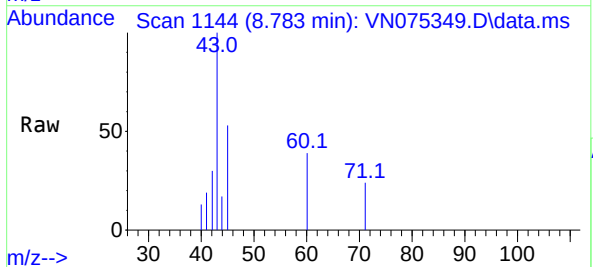


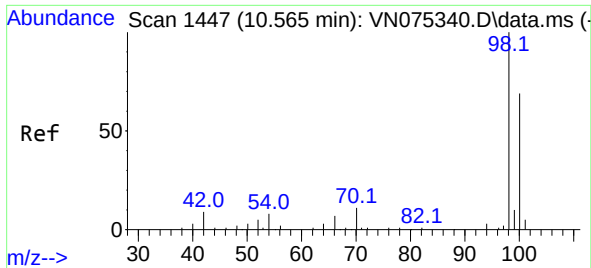
Tgt Ion:117 Resp: 31061  
Ion Ratio Lower Upper  
117 100  
119 7.6 76.7 115.1#  
121 0.0 23.9 35.9#



#43  
Isopropyl Acetate  
Concen: 1.290 ug/l  
RT: 8.783 min Scan# 1144  
Delta R.T. 0.095 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Tgt Ion: 43 Resp: 8055  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.4 33.6#  
87 0.0 12.5 18.7#

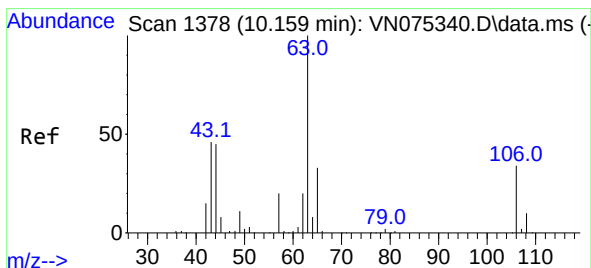
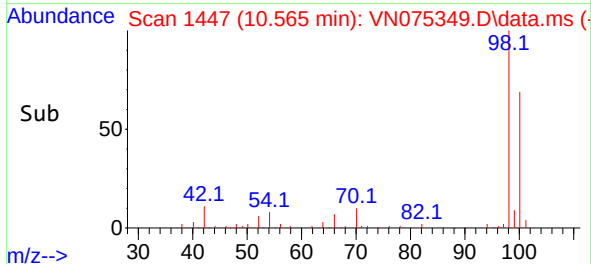
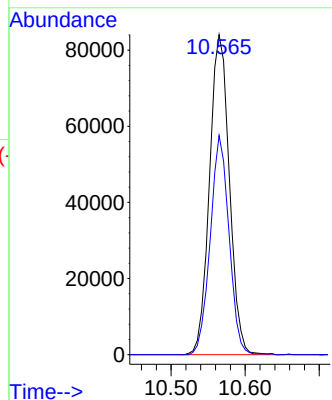
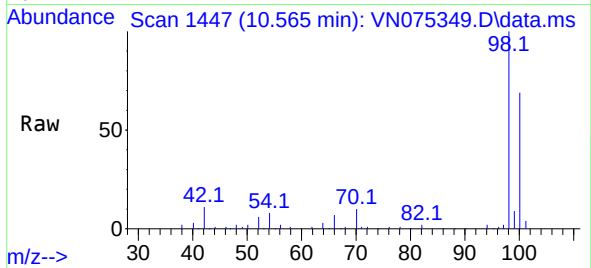




#50  
Toluene-d8  
Concen: 35.045 ug/l  
RT: 10.565 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

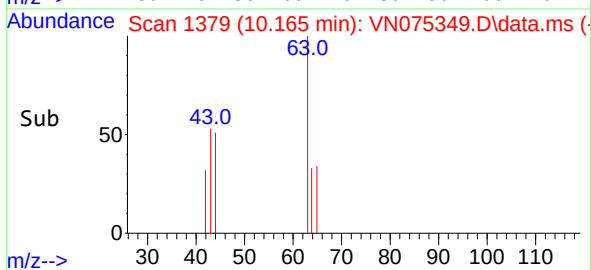
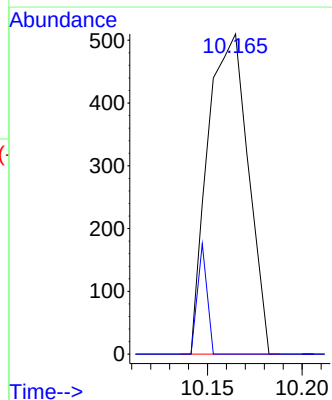
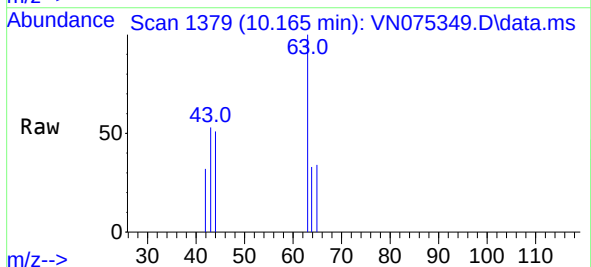
Instrument : MSVOA\_N  
ClientSampleId : AREA-COMP-EXCAV-1ST-AVE

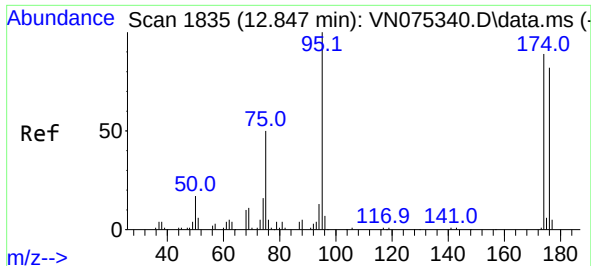
Tgt Ion: 98 Resp: 156320  
Ion Ratio Lower Upper  
98 100  
100 64.8 53.0 79.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 0.447 ug/l  
RT: 10.165 min Scan# 1379  
Delta R.T. 0.006 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Tgt Ion: 63 Resp: 756  
Ion Ratio Lower Upper  
63 100  
106 8.2 24.8 37.2#

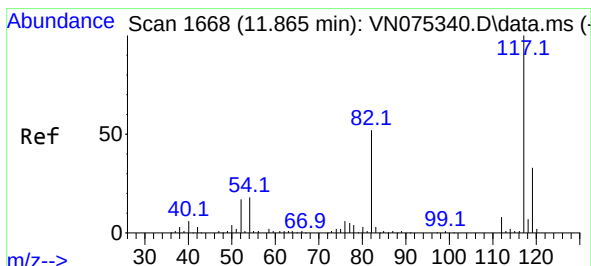
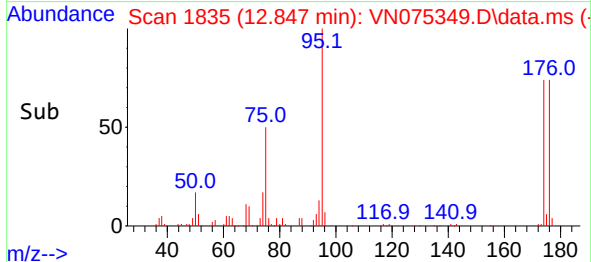
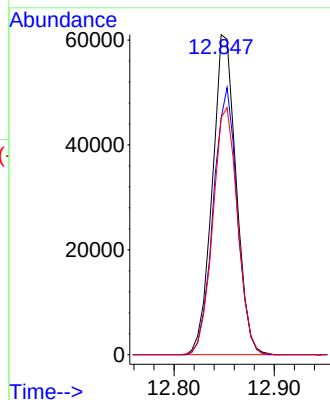
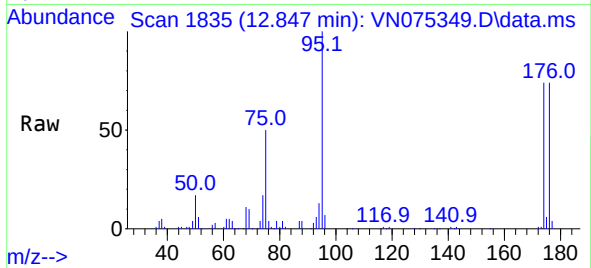




#62  
4-Bromofluorobenzene  
Concen: 30.597 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

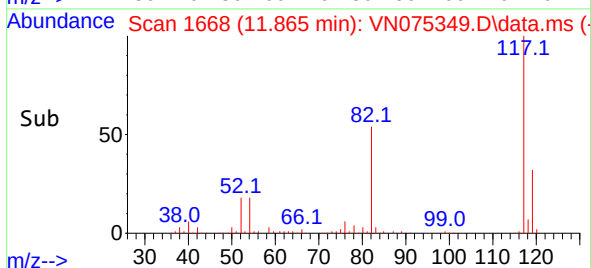
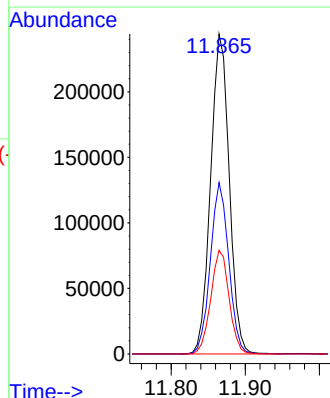
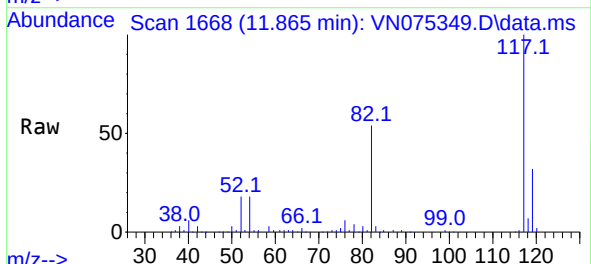
Instrument :  
MSVOA\_N  
ClientSampleId :  
AREA-COMP-EXCAV-1ST-AVE

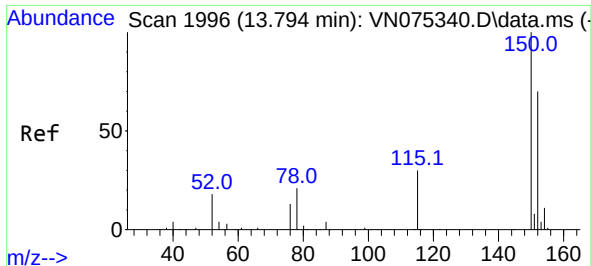
Tgt Ion: 95 Resp: 100738  
Ion Ratio Lower Upper  
95 100  
174 83.4 0.0 147.4  
176 80.0 0.0 142.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1668  
Delta R.T. -0.000 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Tgt Ion: 117 Resp: 425656  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.1 64.7  
119 32.4 25.5 38.3

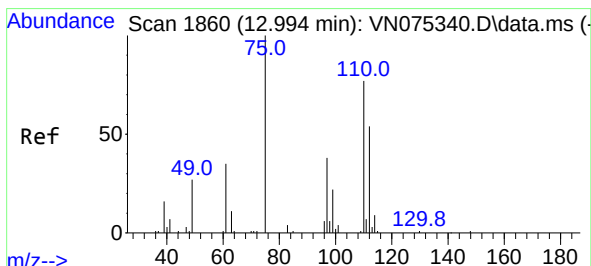
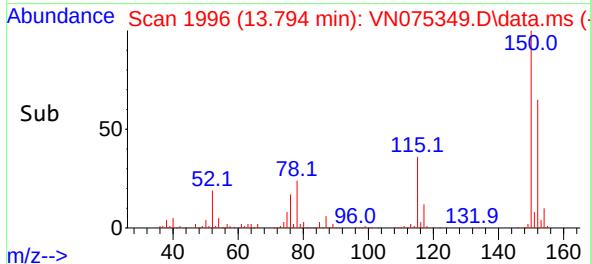
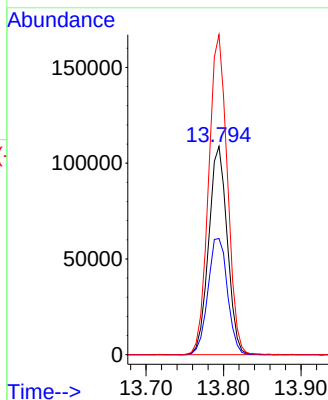
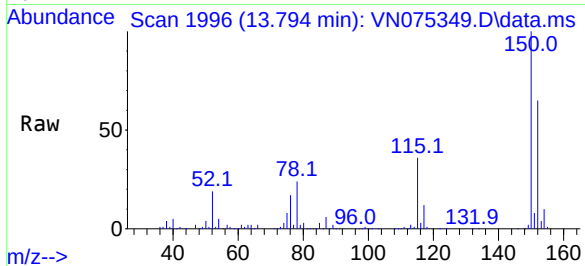




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

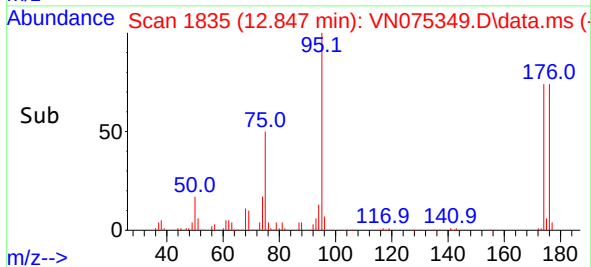
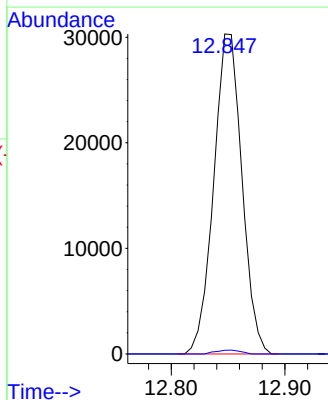
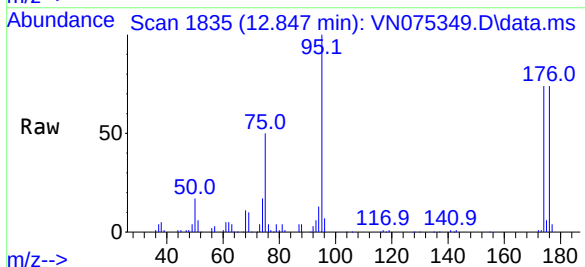
Instrument :  
MSVOA\_N  
ClientSampleId :  
AREA-COMP-EXCAV-1ST-AVE

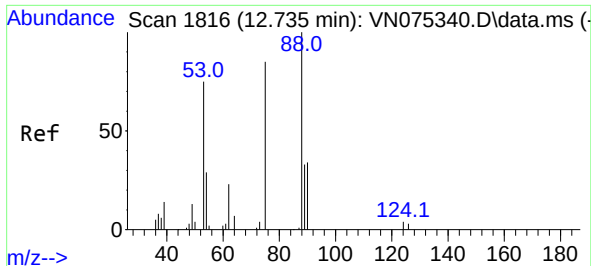
Tgt Ion:152 Resp: 181109  
Ion Ratio Lower Upper  
152 100  
115 58.8 30.2 90.6  
150 154.6 0.0 348.4



#76  
1,2,3-Trichloropropane  
Concen: 15.271 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. -0.147 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Tgt Ion: 75 Resp: 52291  
Ion Ratio Lower Upper  
75 100  
77 1.1 75.6 226.8#

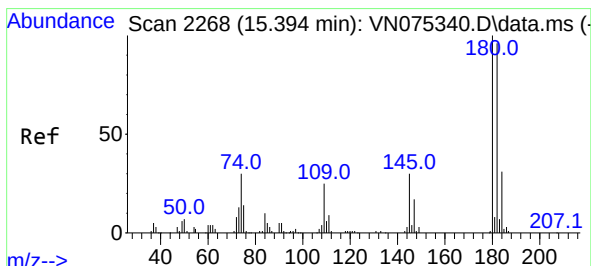
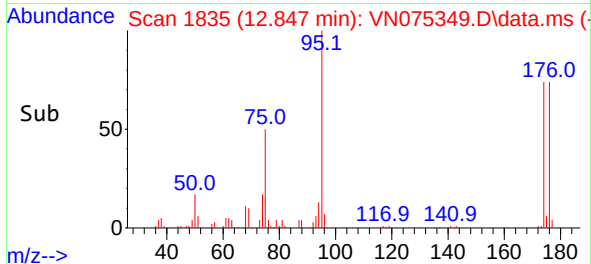
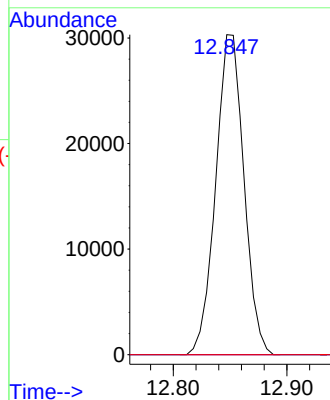
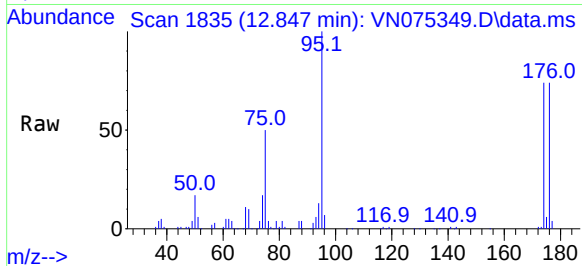




#81  
trans-1,4-Dichloro-2-butene  
Concen: 45.182 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. 0.112 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

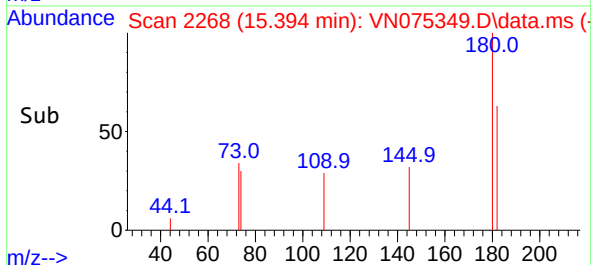
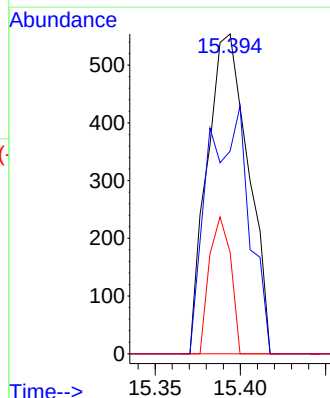
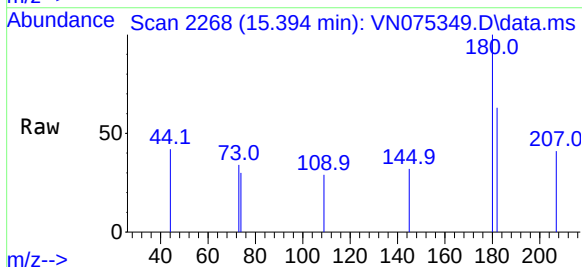
Instrument :  
MSVOA\_N  
ClientSampleId :  
AREA-COMP-EXCAV-1ST-AVE

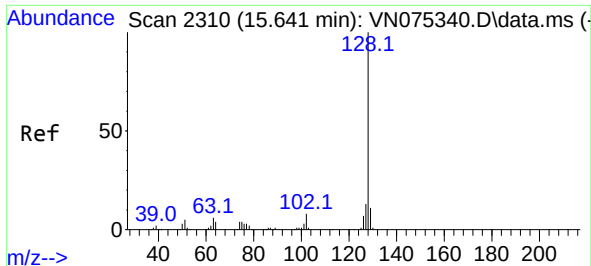
Tgt Ion: 75 Resp: 52291  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.5 117.7#  
89 0.0 37.7 56.5#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.301 ug/l  
RT: 15.394 min Scan# 2268  
Delta R.T. -0.000 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Tgt Ion:180 Resp: 930  
Ion Ratio Lower Upper  
180 100  
182 77.5 47.8 143.4  
145 22.3 16.8 50.3

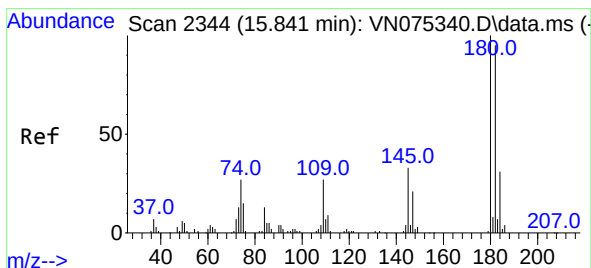
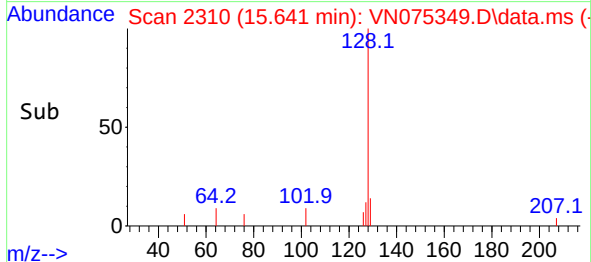
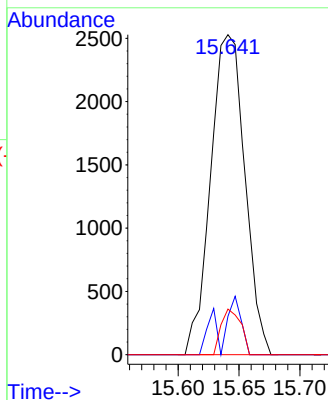
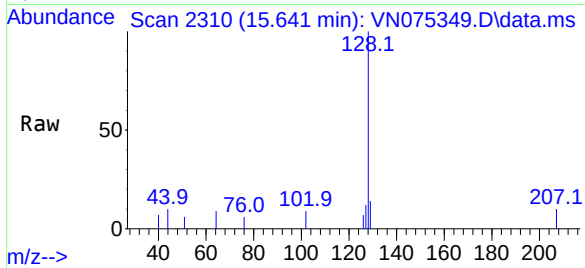




#95  
Naphthalene  
Concen: 0.509 ug/l  
RT: 15.641 min Scan# 2310  
Delta R.T. -0.000 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

Instrument : MSVOA\_N  
ClientSampleId : AREA-COMP-EXCAV-1ST-AVE

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:128 | Resp: | 4950       |
| Ion Ratio   | Lower | Upper      |
| 128         | 100   |            |
| 127         | 7.1   | 10.4 15.6# |
| 129         | 8.2   | 8.6 12.8#  |



#96  
1,2,3-Trichlorobenzene  
Concen: 0.352 ug/l  
RT: 15.841 min Scan# 2344  
Delta R.T. -0.000 min  
Lab File: VN075349.D  
Acq: 21 Nov 2022 18:18

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 1069       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 90.0  | 47.3 141.8 |
| 145         | 19.3  | 17.6 52.9  |

