

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031824\  
 Data File : VD078698.D  
 Acq On : 18 Mar 2024 15:50  
 Operator : RP/MD  
 Sample : P1786-01  
 Misc : 7.79G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-15

Quant Time: Mar 19 01:27:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

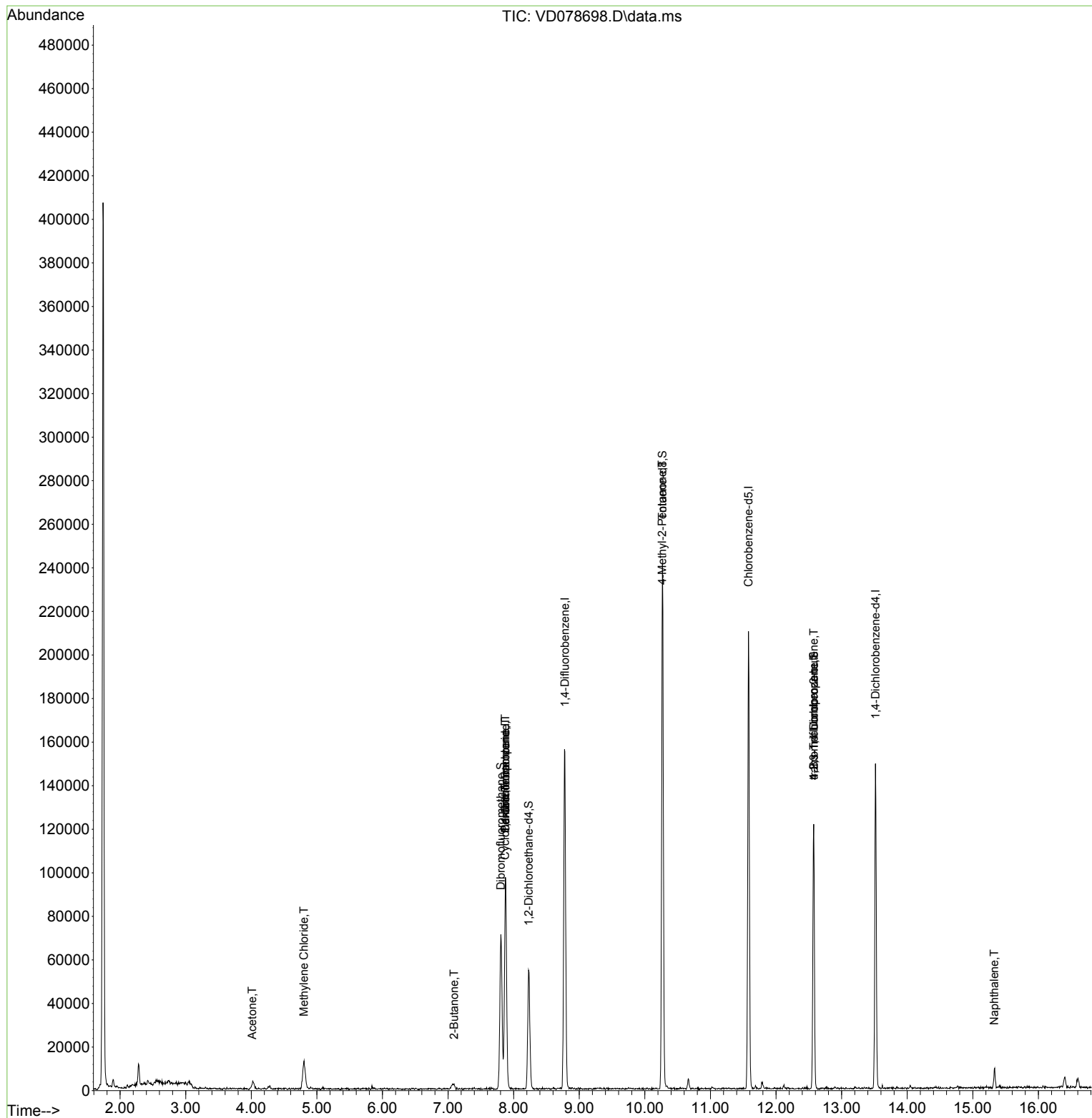
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.875          | 168  | 73708               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781          | 114  | 145363              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581         | 117  | 124817              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516         | 152  | 39311               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228          | 65   | 41403               | 59.938  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 119.880% |         |        |          |
| 35) Dibromofluoromethane      | 7.804          | 113  | 50757               | 54.232  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 108.460% |         |        |          |
| 50) Toluene-d8                | 10.269         | 98   | 171746              | 49.897  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 99.800%  |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.575         | 95   | 37111               | 36.854  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 73.700%  |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         | Qvalue |          |
| 16) Acetone                   | 4.016          | 43   | 5570                | 41.699  | ug/l # | 78       |
| 20) Methylene Chloride        | 4.805          | 84   | 9940                | 6.696   | ug/l   | 90       |
| 25) 2-Butanone                | 7.093          | 43   | 1537                | 8.655   | ug/l   | 93       |
| 31) Cyclohexane               | 7.869          | 56   | 2063                | 1.777   | ug/l # | 47       |
| 36) 1,1-Dichloropropene       | 7.875          | 75   | 6935                | 5.107   | ug/l # | 41       |
| 38) Carbon Tetrachloride      | 7.875          | 117  | 7577                | 5.293   | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.263         | 43   | 745                 | 1.766   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.575         | 75   | 18556               | 61.268  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575         | 75   | 18556               | 128.427 | ug/l # | 19       |
| 95) Naphthalene               | 15.328         | 128  | 8147                | 6.882   | ug/l # | 95       |
| -----                         |                |      |                     |         |        |          |

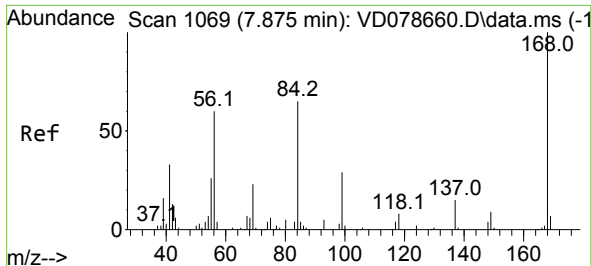
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031824\  
Data File : VD078698.D  
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Sample : P1786-01  
Misc : 7.79G/5ml/MSVOA\_D/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-15

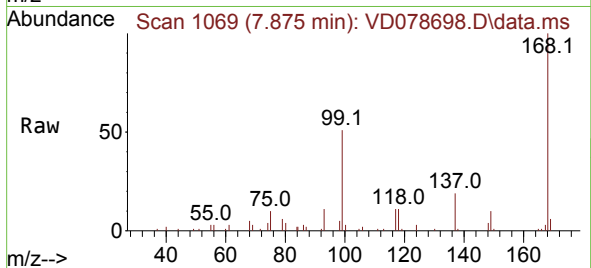
Quant Time: Mar 19 01:27:44 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 15 05:38:03 2024  
Response via : Initial Calibration



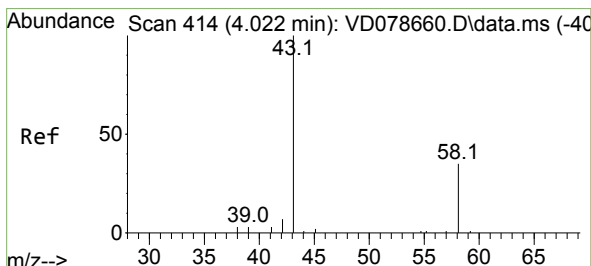
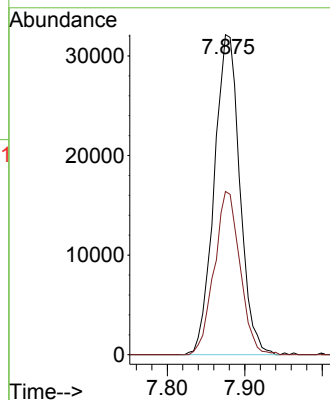
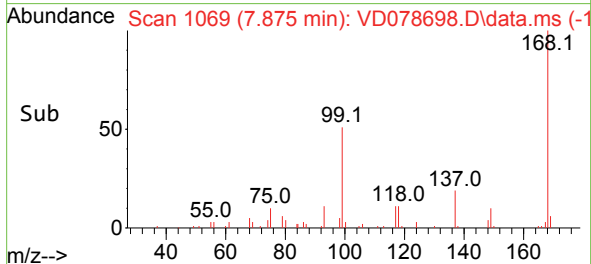


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-15

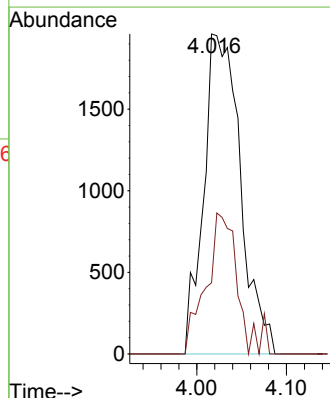
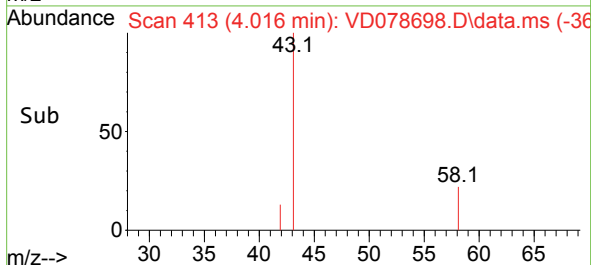
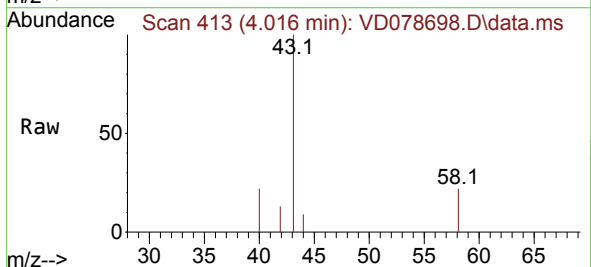


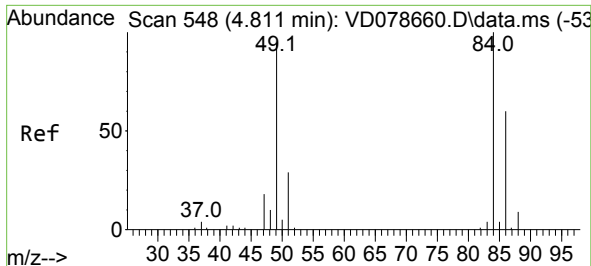
Tgt Ion:168 Resp: 73708  
Ion Ratio Lower Upper  
168 100  
99 51.0 38.8 58.2



#16  
Acetone  
Concen: 41.699 ug/l  
RT: 4.016 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

Tgt Ion: 43 Resp: 5570  
Ion Ratio Lower Upper  
43 100  
58 22.2 28.2 42.4#

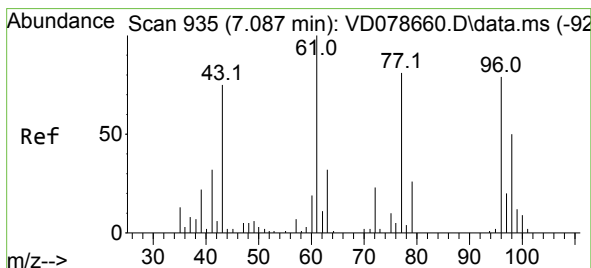
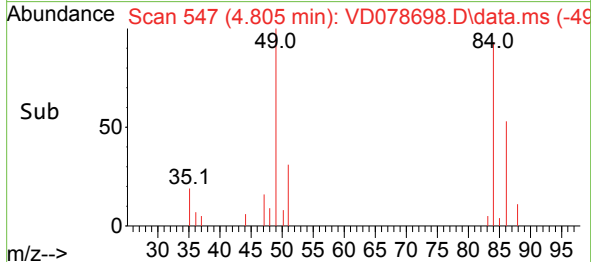
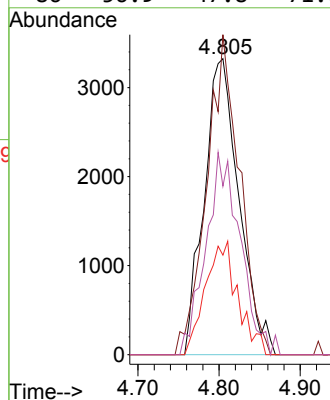
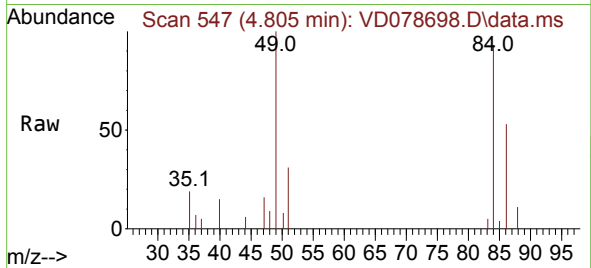




#20  
Methylene Chloride  
Concen: 6.696 ug/l  
RT: 4.805 min Scan# 548  
Delta R.T. -0.006 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

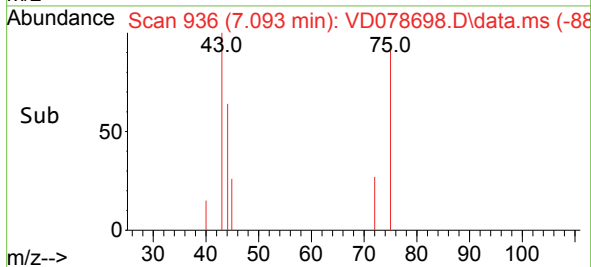
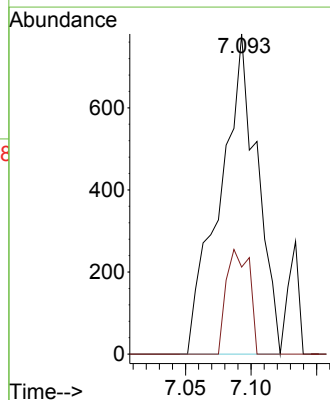
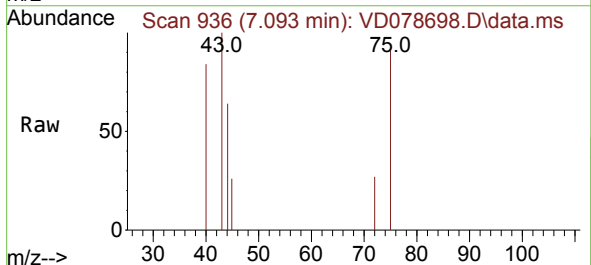
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-15

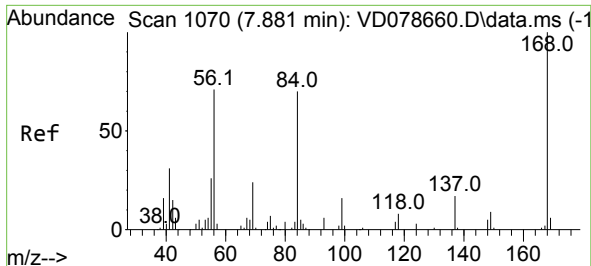
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 84 | Resp: | 9940  |       |
| Ion         | Ratio | Lower | Upper |
| 84          | 100   |       |       |
| 49          | 108.1 | 75.6  | 113.4 |
| 51          | 33.6  | 23.4  | 35.0  |
| 86          | 56.9  | 47.8  | 71.6  |



#25  
2-Butanone  
Concen: 8.655 ug/l  
RT: 7.093 min Scan# 936  
Delta R.T. 0.006 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 43 | Resp: | 1537  |       |
| Ion         | Ratio | Lower | Upper |
| 43          | 100   |       |       |
| 72          | 27.2  | 25.0  | 37.6  |

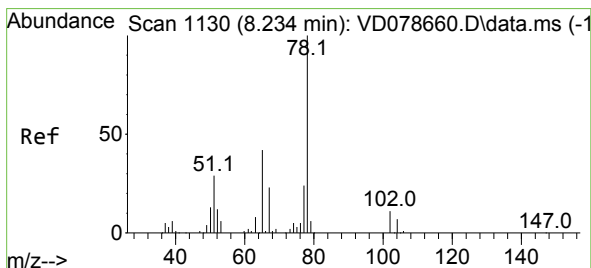
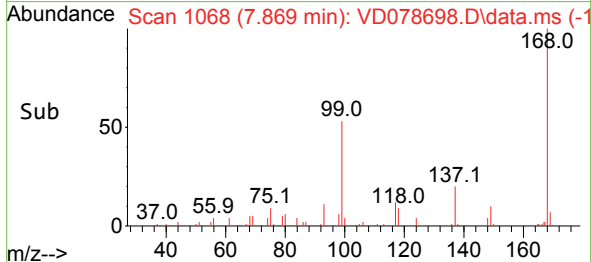
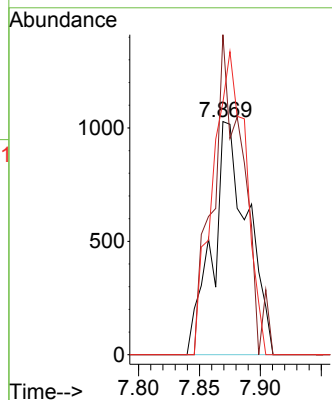
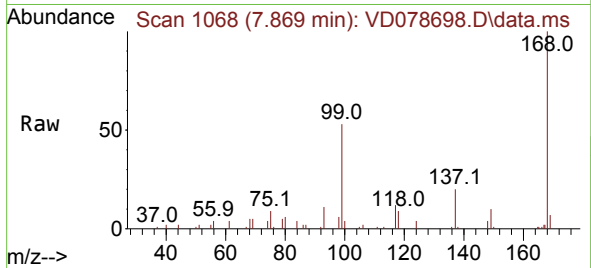




#31  
Cyclohexane  
Concen: 1.777 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.012 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

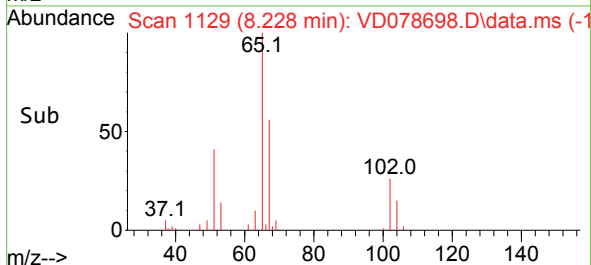
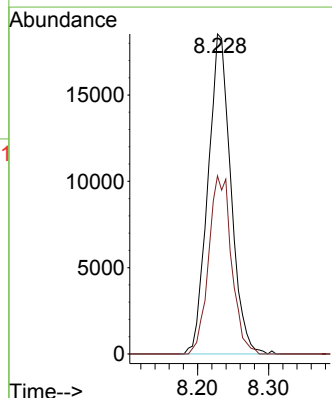
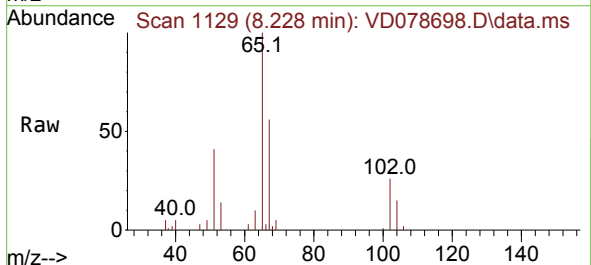
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-15

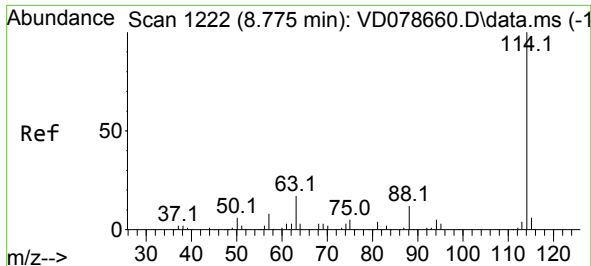
Tgt Ion: 56 Resp: 2063  
Ion Ratio Lower Upper  
56 100  
69 137.3 26.6 40.0#  
84 108.3 79.4 119.2



#33  
1,2-Dichloroethane-d4  
Concen: 59.938 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

Tgt Ion: 65 Resp: 41403  
Ion Ratio Lower Upper  
65 100  
67 55.7 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078698.D

Acq: 18 Mar 2024 15:50

Instrument :

MSVOA\_D

ClientSampleId :

TP-15

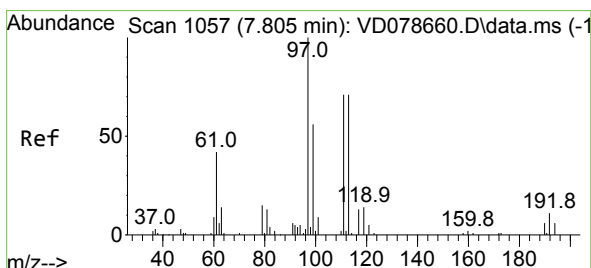
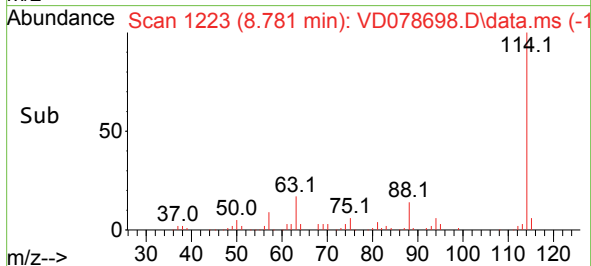
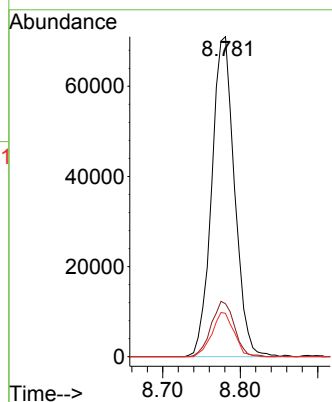
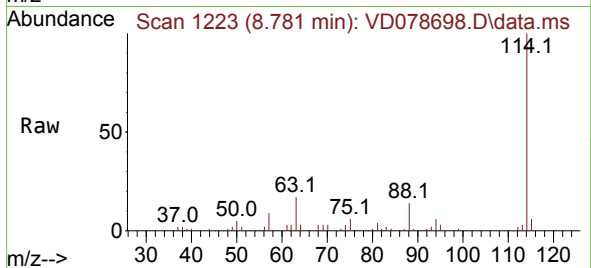
Tgt Ion:114 Resp: 145363

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 13.5 0.0 24.6



#35

Dibromofluoromethane

Concen: 54.232 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD078698.D

Acq: 18 Mar 2024 15:50

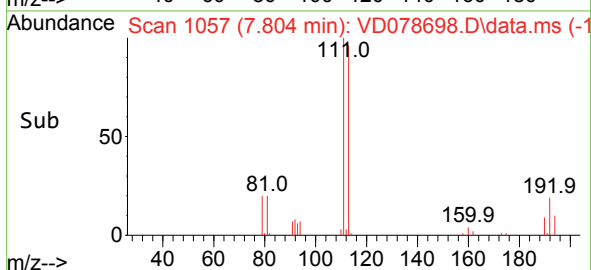
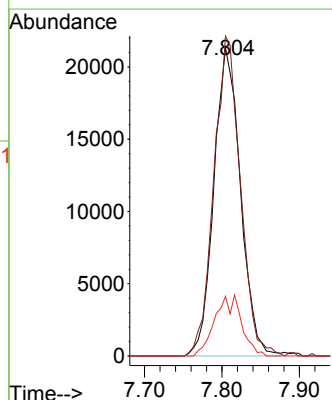
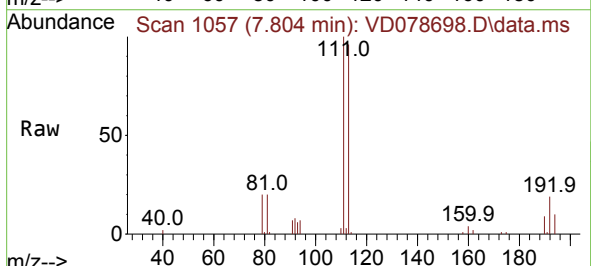
Tgt Ion:113 Resp: 50757

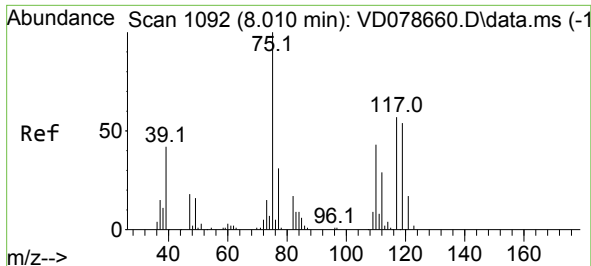
Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 19.8 15.4 23.0





#36

1,1-Dichloropropene

Concen: 5.107 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078698.D

Acq: 18 Mar 2024 15:50

Instrument :

MSVOA\_D

ClientSampleId :

TP-15

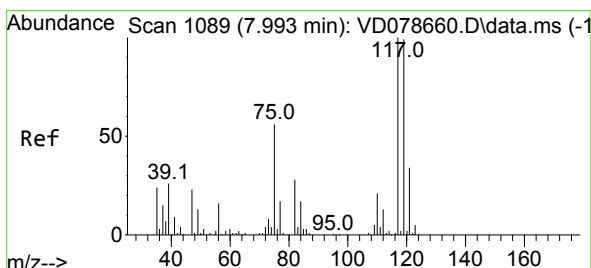
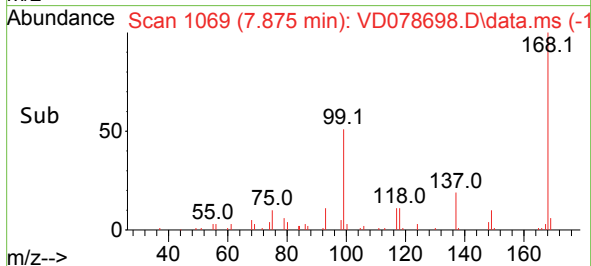
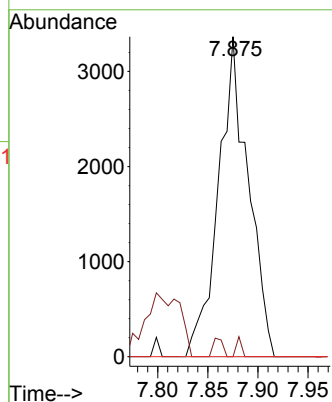
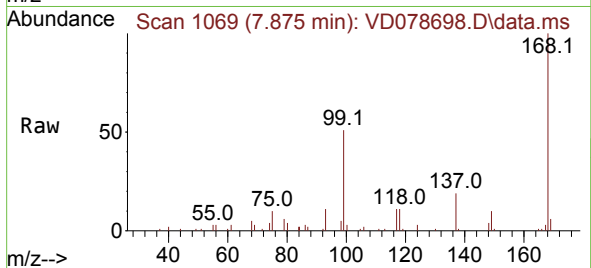
Tgt Ion: 75 Resp: 6935

Ion Ratio Lower Upper

75 100

110 1.1 19.1 57.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.293 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078698.D

Acq: 18 Mar 2024 15:50

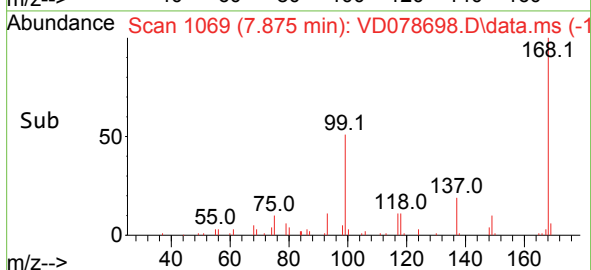
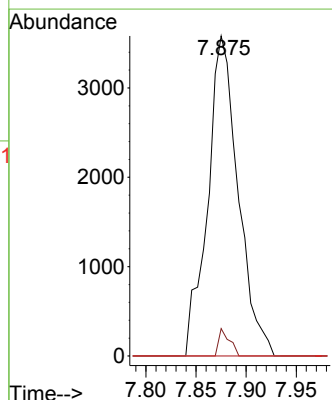
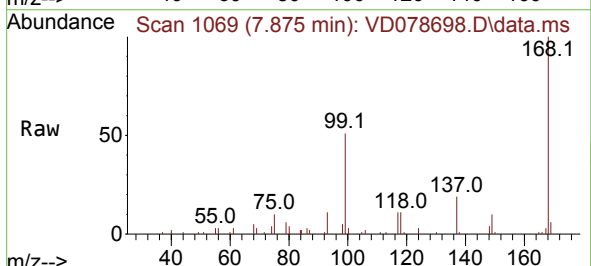
Tgt Ion: 117 Resp: 7577

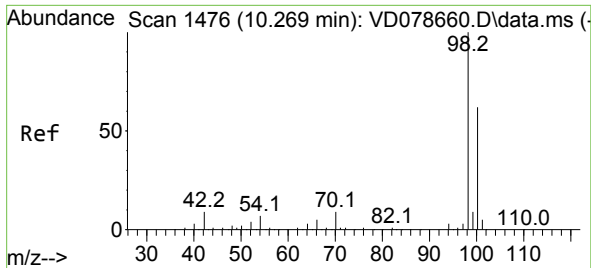
Ion Ratio Lower Upper

117 100

119 8.5 79.2 118.8#

121 0.0 26.8 40.2#

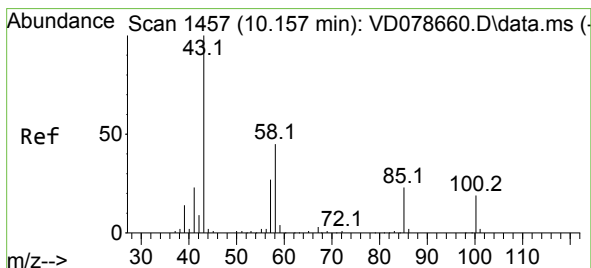
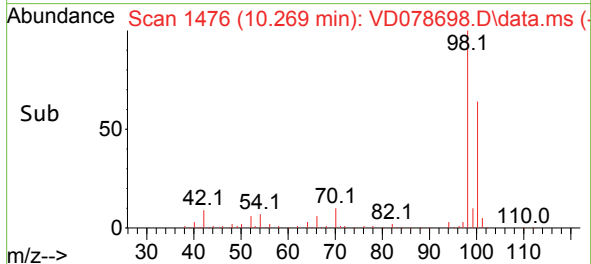
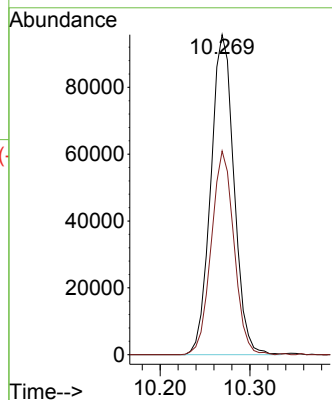
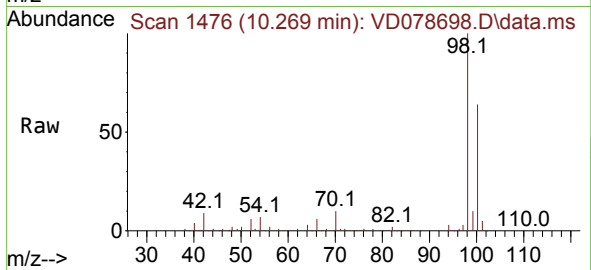




#50  
Toluene-d8  
Concen: 49.897 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

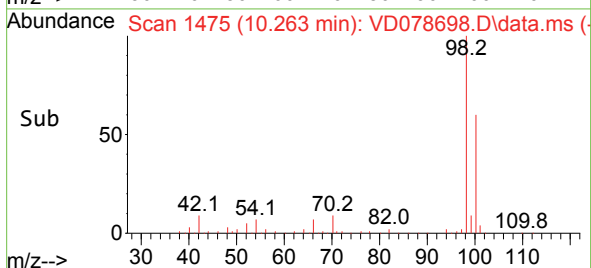
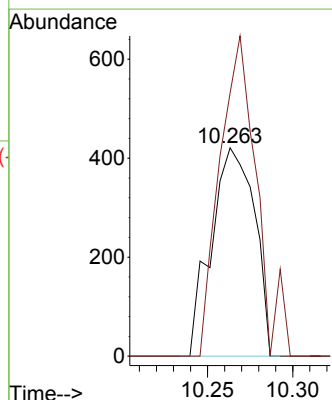
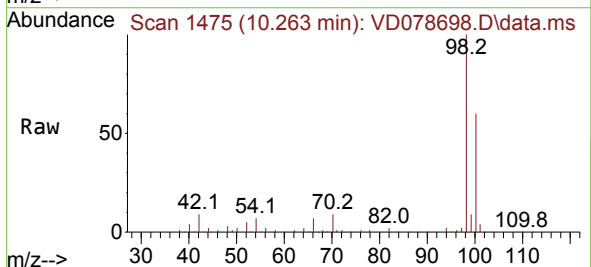
Instrument :  
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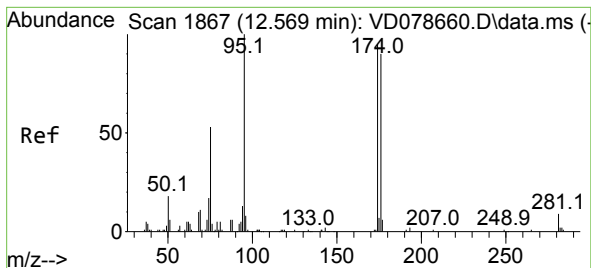
Tgt Ion: 98 Resp: 171746  
Ion Ratio Lower Upper  
98 100  
100 62.4 50.5 75.7



#51  
4-Methyl-2-Pentanone  
Concen: 1.766 ug/l  
RT: 10.263 min Scan# 1475  
Delta R.T. 0.106 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

Tgt Ion: 43 Resp: 745  
Ion Ratio Lower Upper  
43 100  
58 130.3 36.4 54.6#

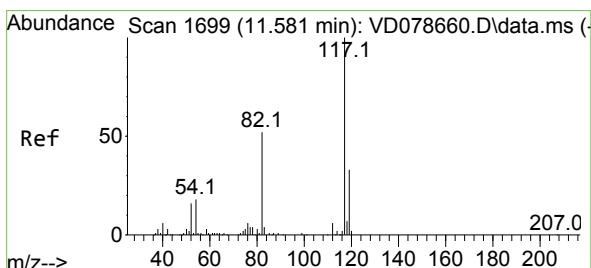
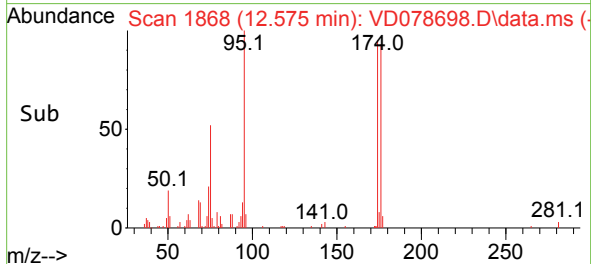
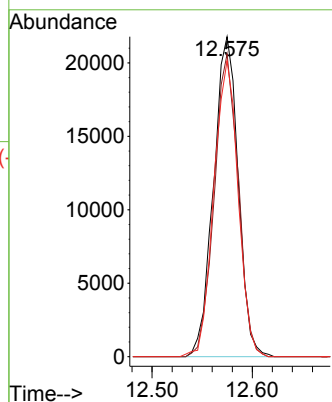
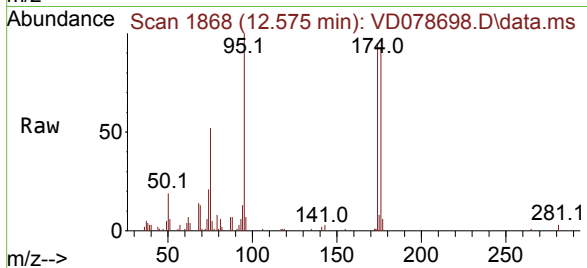




#62  
4-Bromofluorobenzene  
Concen: 36.854 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

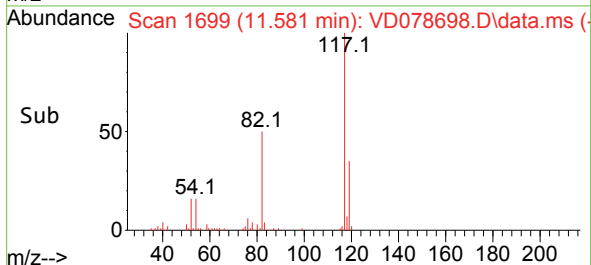
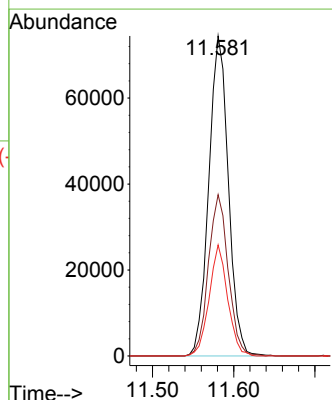
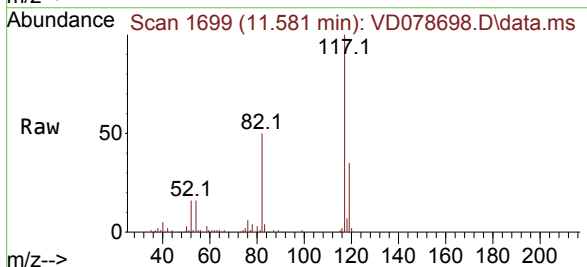
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-15

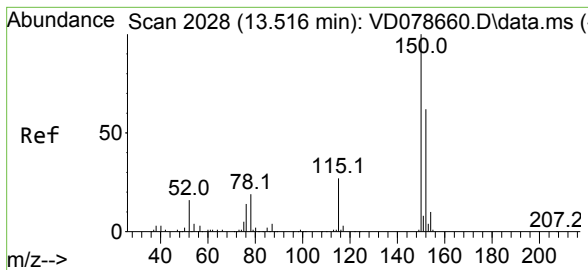
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 37111 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 92.1  | 0.0   | 195.2 |
| 176       | 91.1  | 0.0   | 188.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 124817 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 50.4  | 41.4  | 62.2   |
| 119       | 34.7  | 26.5  | 39.7   |

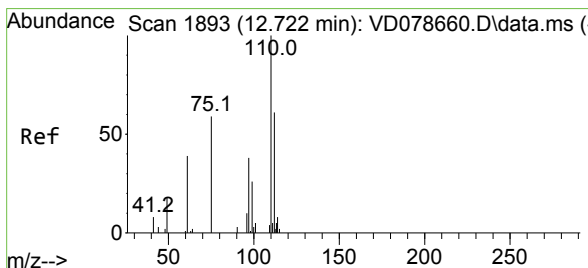
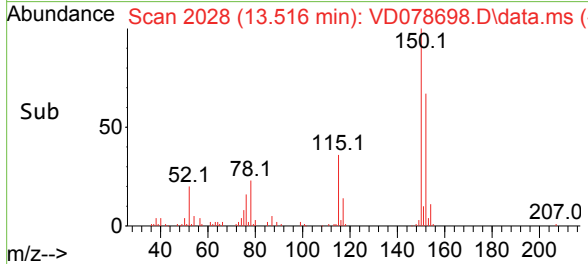
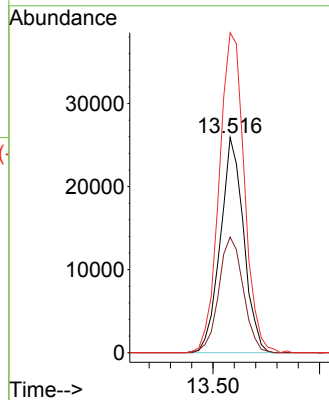
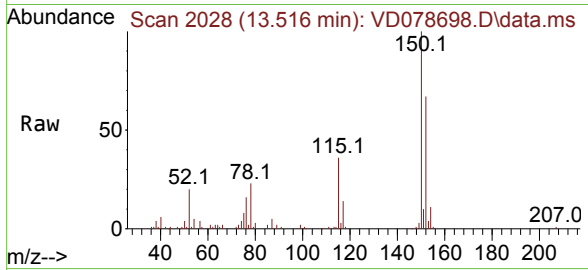




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 2028  
 Delta R.T. -0.000 min  
 Lab File: VD078698.D  
 Acq: 18 Mar 2024 15:50

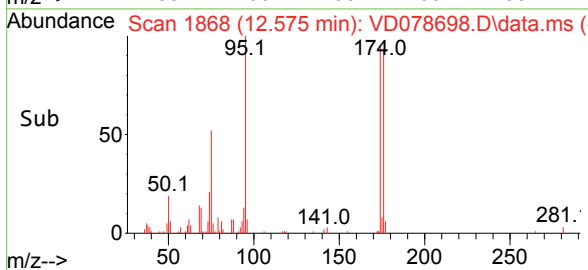
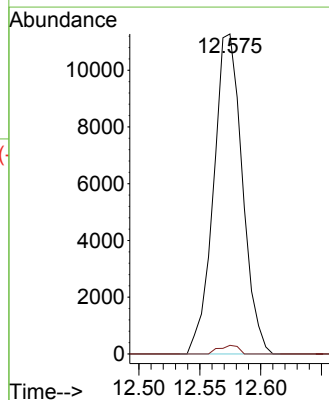
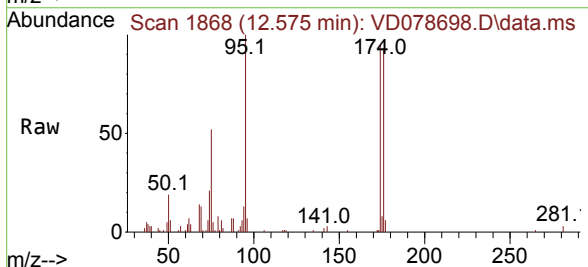
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-15

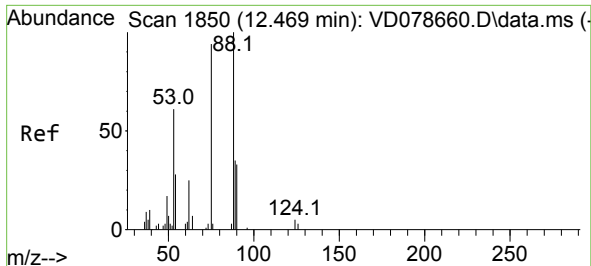
Tgt Ion:152 Resp: 39311  
 Ion Ratio Lower Upper  
 152 100  
 115 56.4 27.1 81.2  
 150 160.3 0.0 350.2



#76  
 1,2,3-Trichloropropane  
 Concen: 61.268 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. -0.147 min  
 Lab File: VD078698.D  
 Acq: 18 Mar 2024 15:50

Tgt Ion: 75 Resp: 18556  
 Ion Ratio Lower Upper  
 75 100  
 77 1.8 0.0 0.0#

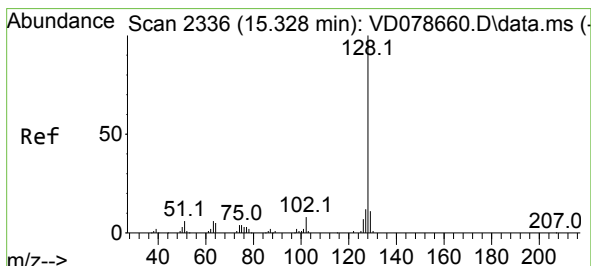
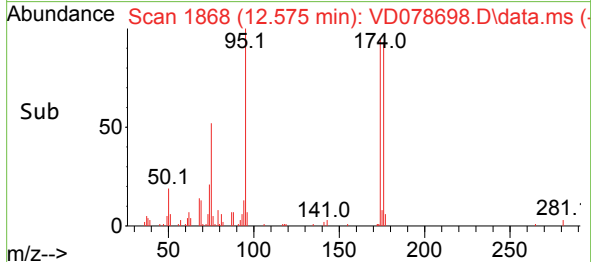
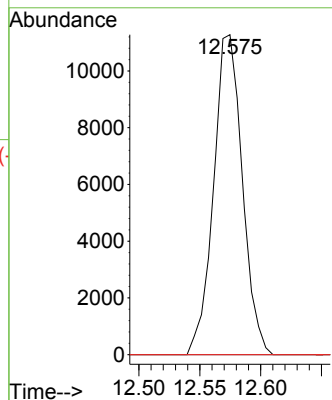
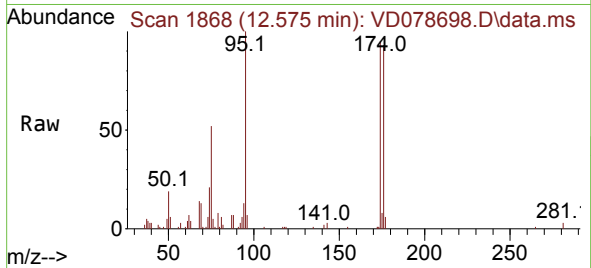




#81  
trans-1,4-Dichloro-2-butene  
Concen: 128.427 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-15

Tgt Ion: 75 Resp: 18556  
Ion Ratio Lower Upper  
75 100  
53 0.0 61.0 91.6#  
89 0.0 35.4 53.0#



#95  
Naphthalene  
Concen: 6.882 ug/l  
RT: 15.328 min Scan# 2336  
Delta R.T. -0.000 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

Tgt Ion: 128 Resp: 8147  
Ion Ratio Lower Upper  
128 100  
127 10.2 9.3 13.9  
129 8.4 8.9 13.3#

