

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070824\  
 Data File : VD079353.D  
 Acq On : 08 Jul 2024 20:52  
 Operator : RP/MD  
 Sample : P3167-15  
 Misc : 5.08G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jul 09 04:59:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D070824S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 17:06:59 2024  
 Response via : Initial Calibration

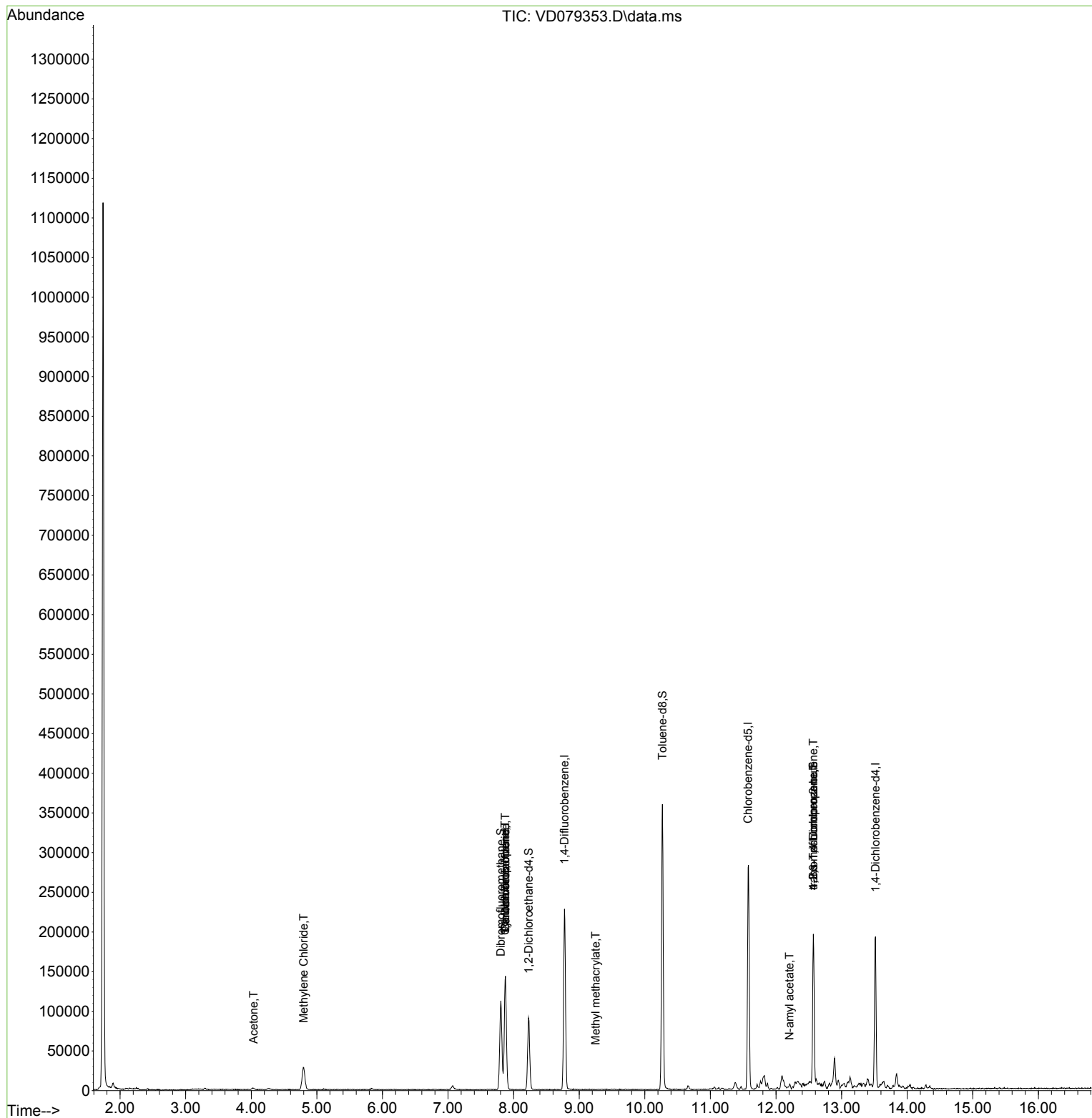
| Compound                      | R.T.   | QIon  | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------|----------|
| -----                         |        |       |          |           |       |          |
| Internal Standards            |        |       |          |           |       |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 102031   | 50.000    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 202836   | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.575 | 117   | 174960   | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 52269    | 50.000    | ug/l  | 0.00     |
|                               |        |       |          |           |       |          |
| System Monitoring Compounds   |        |       |          |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 69294    | 57.631    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =     | 115.260% |
| 35) Dibromofluoromethane      | 7.805  | 113   | 81741    | 57.123    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =     | 114.240% |
| 50) Toluene-d8                | 10.269 | 98    | 261170   | 47.347    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =     | 94.700%  |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 63956    | 37.304    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =     | 74.600%  |
|                               |        |       |          |           |       |          |
| Target Compounds              |        |       |          |           |       |          |
| 5) Bromomethane               | 2.699  | 94    | 351      | Below Cal | #     | 71       |
| 16) Acetone                   | 4.034  | 43    | 3325     | 14.540    | ug/l  | 99       |
| 20) Methylene Chloride        | 4.799  | 84    | 23940    | 5.919     | ug/l  | # 95     |
| 31) Cyclohexane               | 7.869  | 56    | 2396     | 1.318     | ug/l  | # 21     |
| 36) 1,1-Dichloropropene       | 7.869  | 75    | 9415     | 5.179     | ug/l  | # 44     |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 10982    | 5.739     | ug/l  | # 13     |
| 48) Methyl methacrylate       | 9.252  | 41    | 56       | 2.555     | ug/l  | # 2      |
| 74) N-amyl acetate            | 12.204 | 43    | 1492     | 1.903     | ug/l  | # 67     |
| 76) 1,2,3-Trichloropropane    | 12.569 | 75    | 30976    | 61.680    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75    | 30976    | 116.295   | ug/l  | # 19     |
| -----                         |        |       |          |           |       |          |

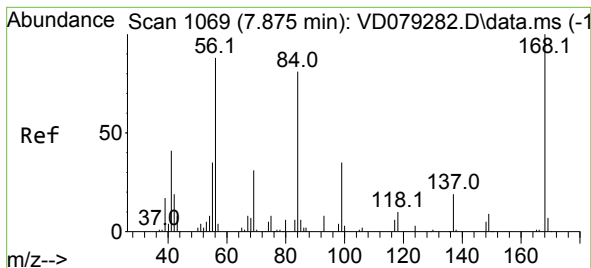
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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Quant Time: Jul 09 04:59:30 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D070824S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 08 17:06:59 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

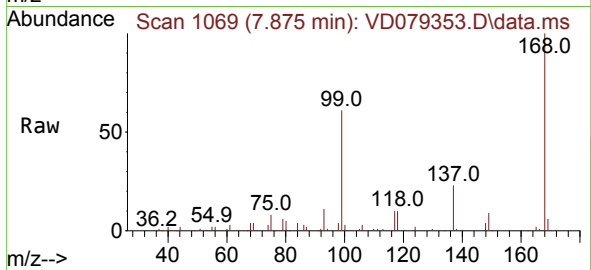
Lab File: VD079353.D

Acq: 08 Jul 2024 20:52

Instrument :

MSVOA\_D

ClientSampleId :

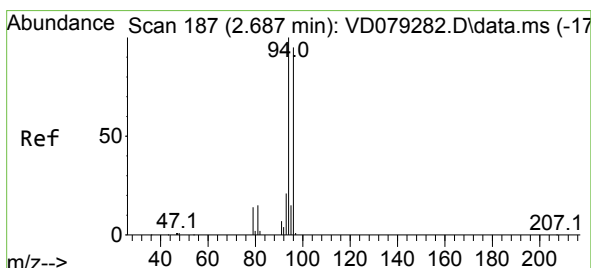
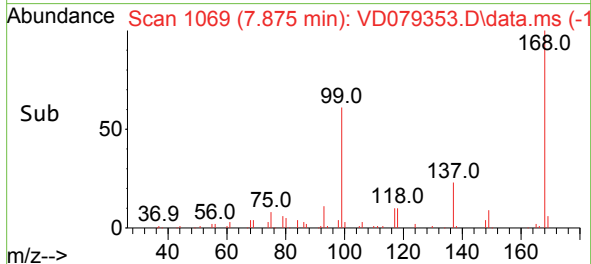
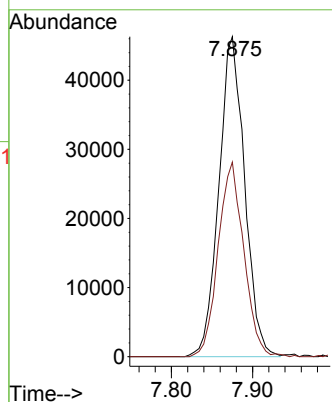


Tgt Ion:168 Resp: 102031

Ion Ratio Lower Upper

168 100

99 60.8 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.699 min Scan# 189

Delta R.T. 0.041 min

Lab File: VD079353.D

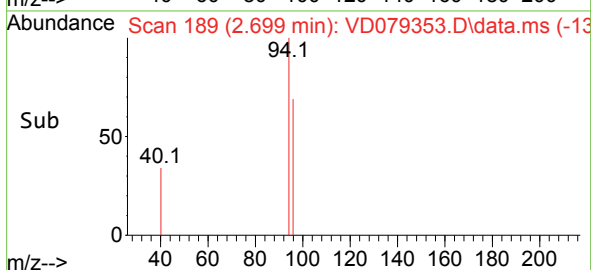
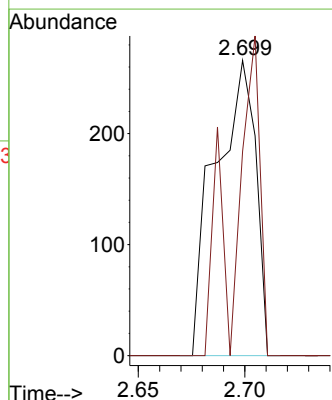
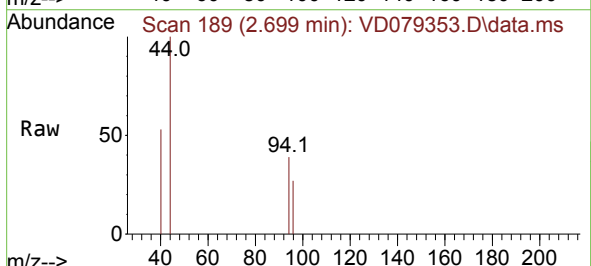
Acq: 08 Jul 2024 20:52

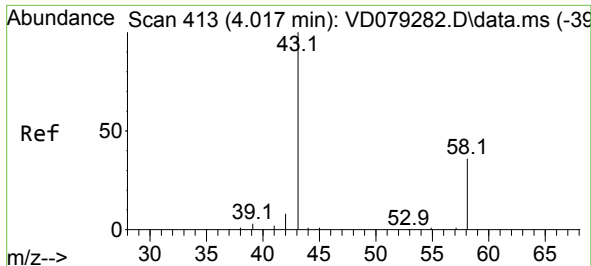
Tgt Ion: 94 Resp: 351

Ion Ratio Lower Upper

94 100

96 68.1 76.9 115.3#

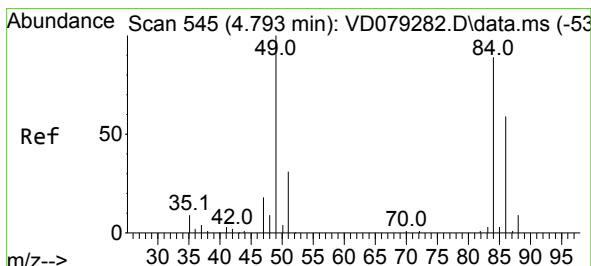
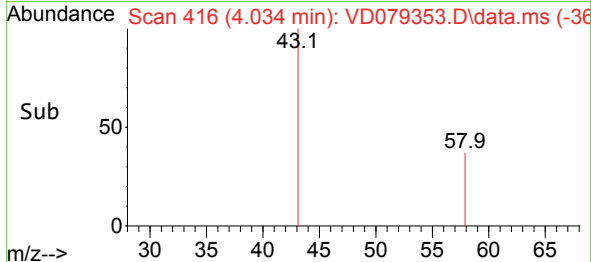
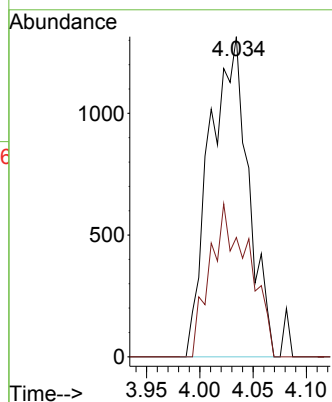
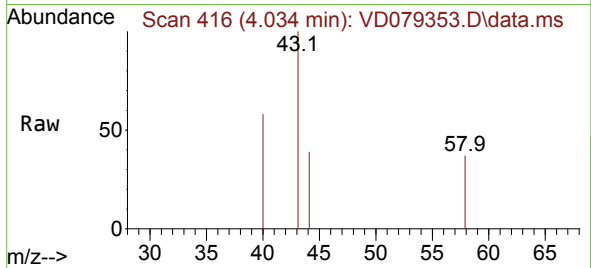




#16  
Acetone  
Concen: 14.540 ug/l  
RT: 4.034 min Scan# 413  
Delta R.T. 0.017 min  
Lab File: VD079353.D  
Acq: 08 Jul 2024 20:52

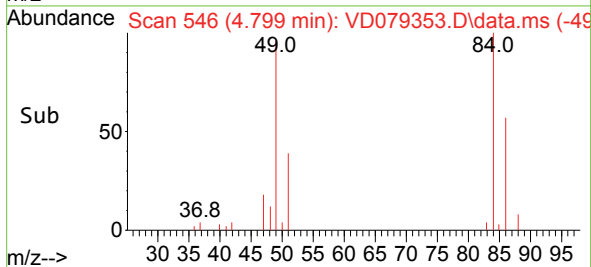
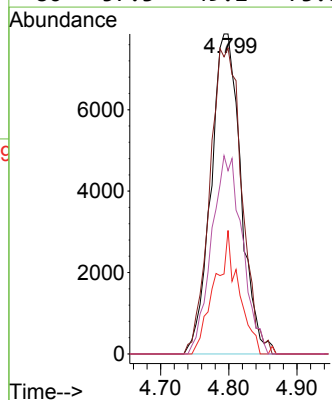
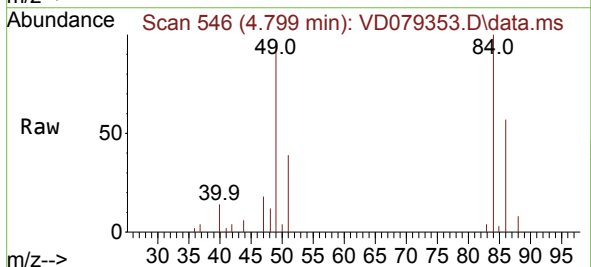
Instrument :  
MSVOA\_D  
ClientSampleId :

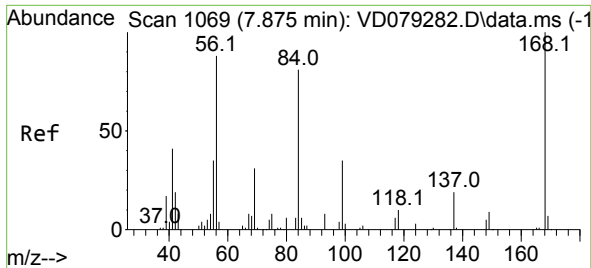
Tgt Ion: 43 Resp: 3325  
Ion Ratio Lower Upper  
43 100  
58 37.3 30.4 45.6



#20  
Methylene Chloride  
Concen: 5.919 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VD079353.D  
Acq: 08 Jul 2024 20:52

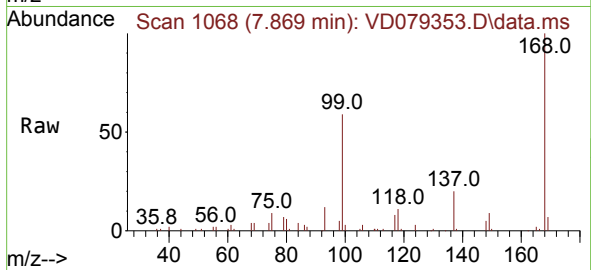
Tgt Ion: 84 Resp: 23940  
Ion Ratio Lower Upper  
84 100  
49 95.6 75.6 113.4  
51 38.6 24.2 36.2#  
86 57.3 49.2 73.8



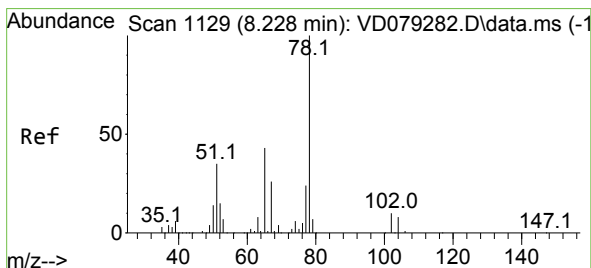
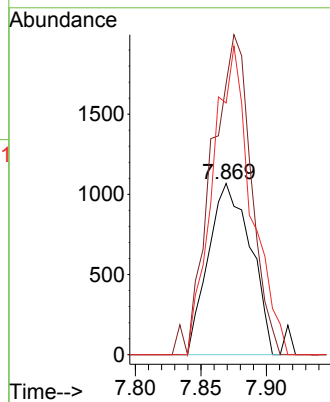
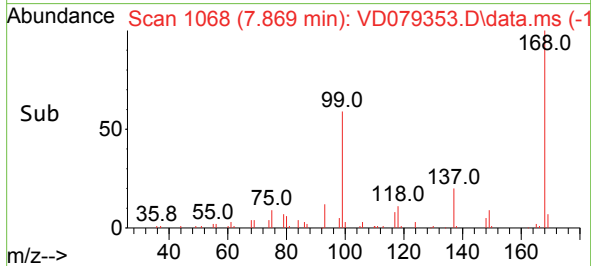


#31  
Cyclohexane  
Concen: 1.318 ug/l  
RT: 7.869 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD079353.D  
Acq: 08 Jul 2024 20:52

Instrument :  
MSVOA\_D  
ClientSampleId :

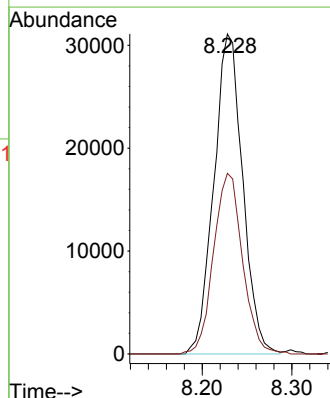
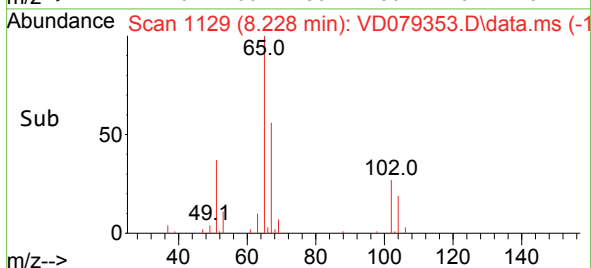
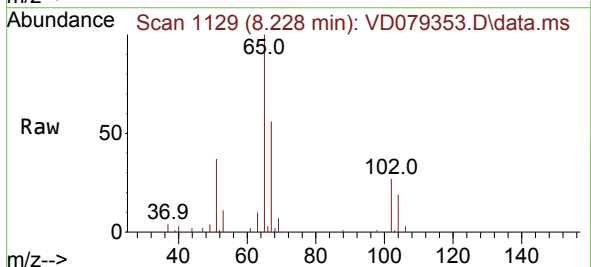


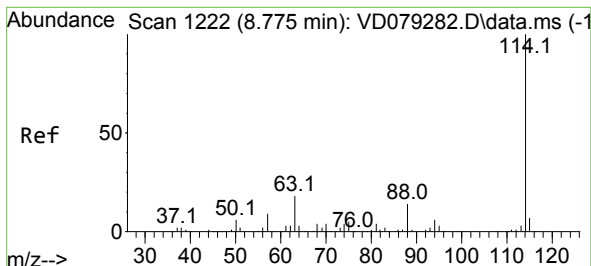
Tgt Ion: 56 Resp: 2396  
Ion Ratio Lower Upper  
56 100  
69 158.4 28.0 42.0#  
84 147.0 87.4 131.0#



#33  
1,2-Dichloroethane-d4  
Concen: 57.631 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD079353.D  
Acq: 08 Jul 2024 20:52

Tgt Ion: 65 Resp: 69294  
Ion Ratio Lower Upper  
65 100  
67 56.8 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079353.D

Acq: 08 Jul 2024 20:52

Instrument :

MSVOA\_D

ClientSampleId :

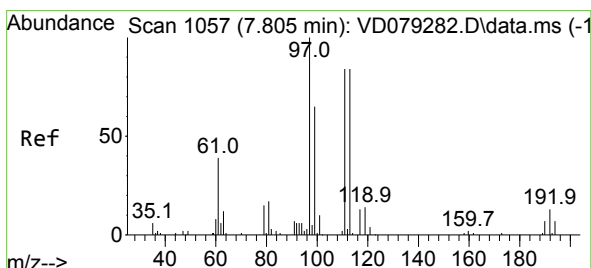
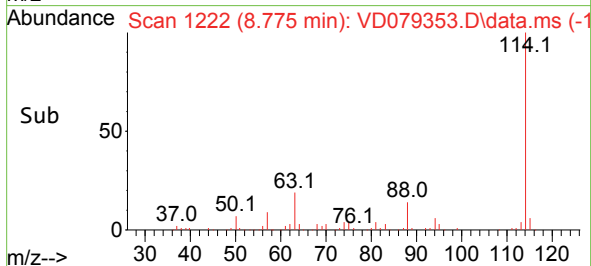
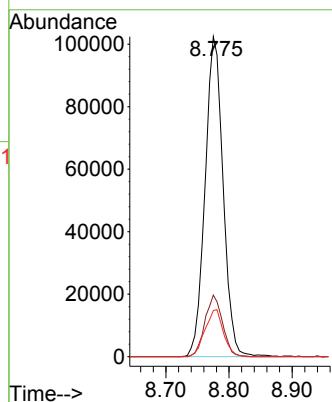
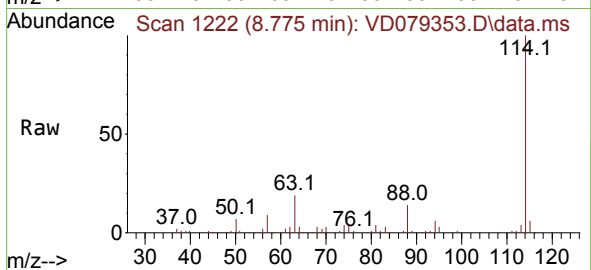
Tgt Ion:114 Resp: 202836

Ion Ratio Lower Upper

114 100

63 19.2 0.0 34.0

88 14.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.123 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079353.D

Acq: 08 Jul 2024 20:52

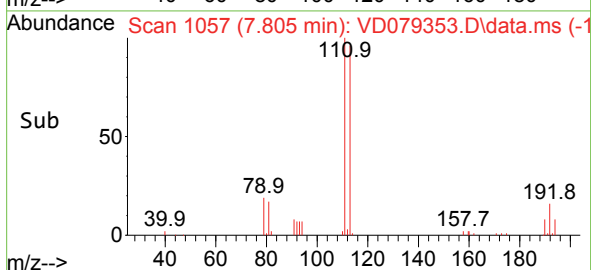
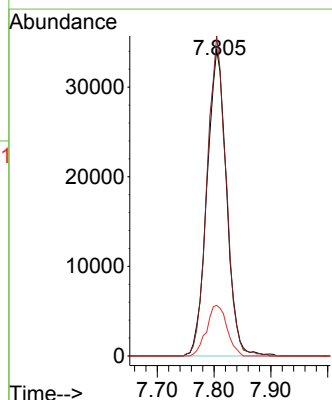
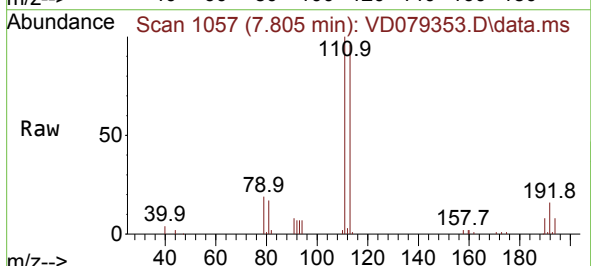
Tgt Ion:113 Resp: 81741

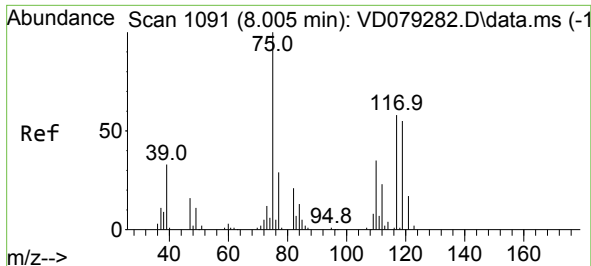
Ion Ratio Lower Upper

113 100

111 101.3 84.0 126.0

192 17.3 15.4 23.0





#36

1,1-Dichloropropene

Concen: 5.179 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

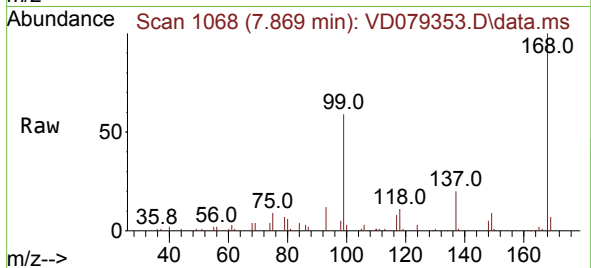
Lab File: VD079353.D

Acq: 08 Jul 2024 20:52

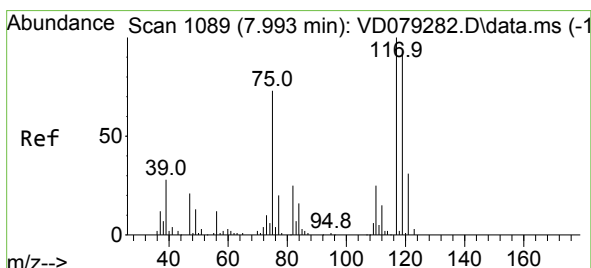
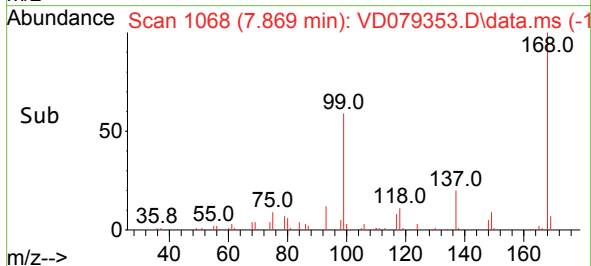
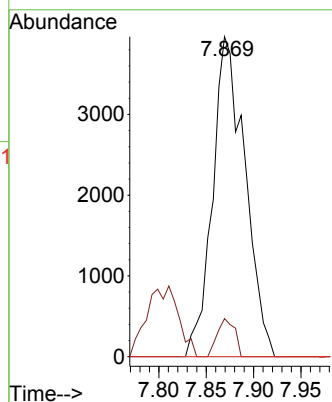
Instrument :

MSVOA\_D

ClientSampleId :



|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 9415     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 6.4 19.6 58.7# |
| 77          | 0.0 26.1 39.1# |



#38

Carbon Tetrachloride

Concen: 5.739 ug/l

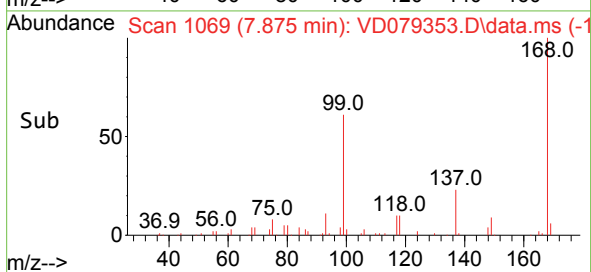
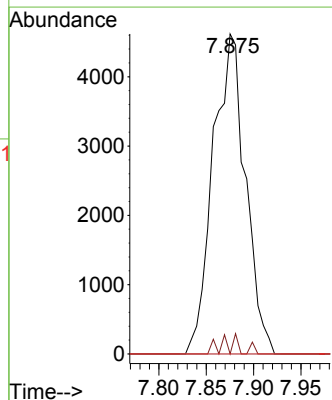
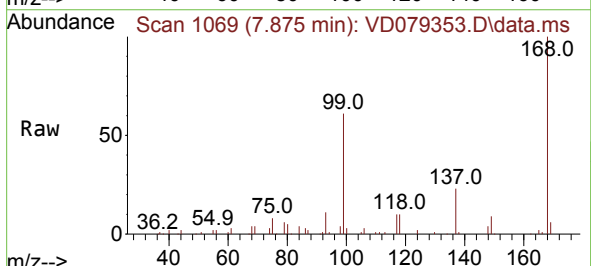
RT: 7.875 min Scan# 1069

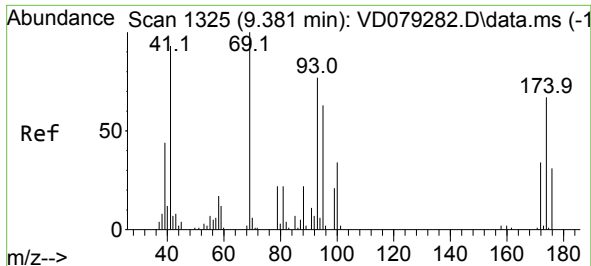
Delta R.T. -0.112 min

Lab File: VD079353.D

Acq: 08 Jul 2024 20:52

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 10982     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 0.0 75.4 113.0# |
| 121          | 0.0 25.0 37.4#  |





#48

Methyl methacrylate

Concen: 2.555 ug/l

RT: 9.252 min Scan# 1303

Delta R.T. -0.123 min

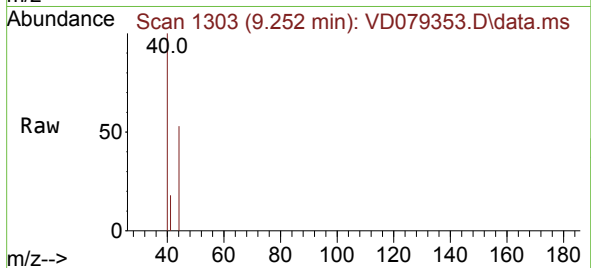
Lab File: VD079353.D

Acq: 08 Jul 2024 20:52

Instrument :

MSVOA\_D

ClientSampleId :



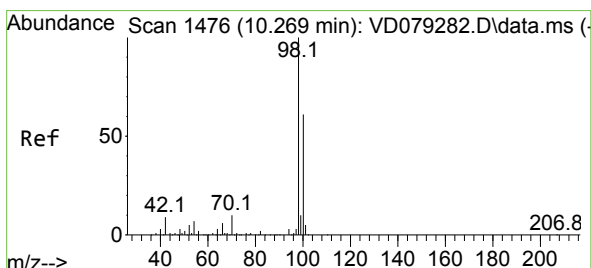
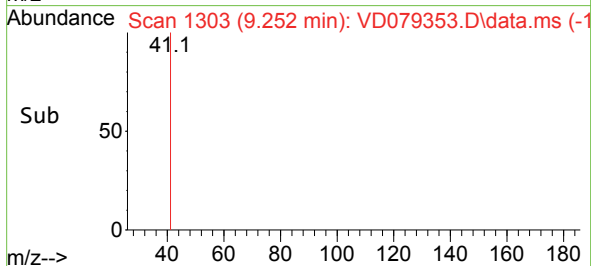
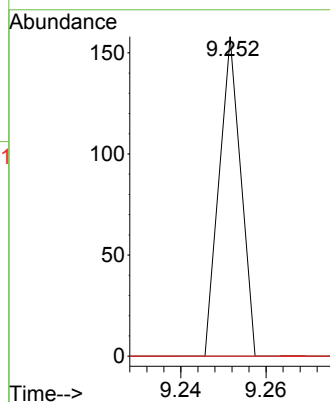
Tgt Ion: 41 Resp: 56

Ion Ratio Lower Upper

41 100

69 0.0 96.7 145.1#

39 0.0 43.8 65.6#



#50

Toluene-d8

Concen: 47.347 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD079353.D

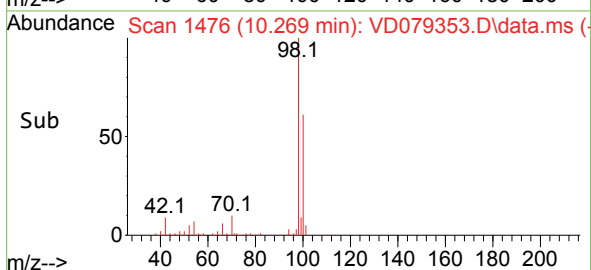
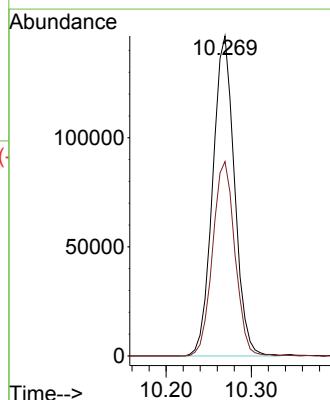
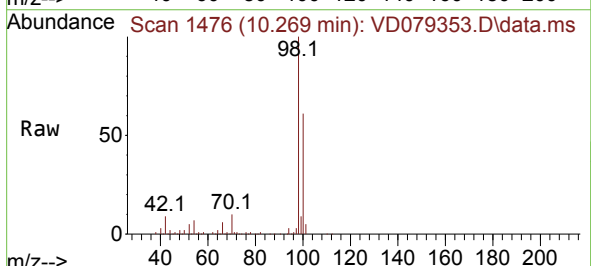
Acq: 08 Jul 2024 20:52

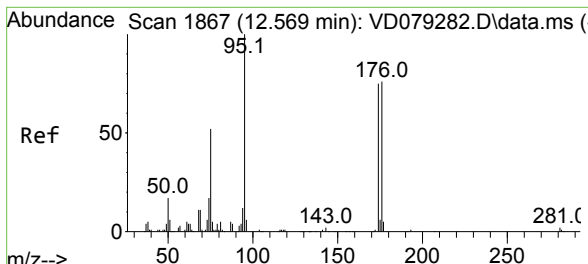
Tgt Ion: 98 Resp: 261170

Ion Ratio Lower Upper

98 100

100 62.1 51.6 77.4

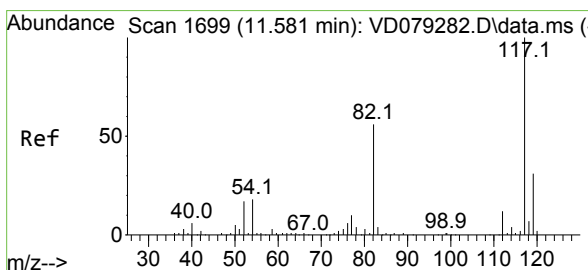
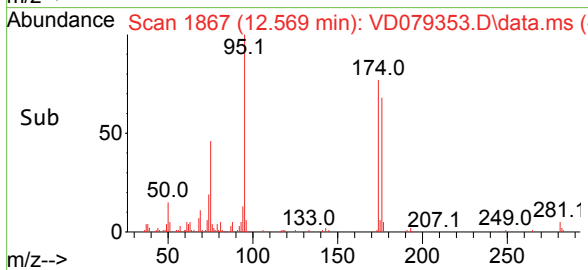
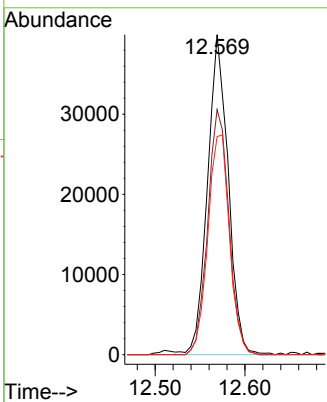
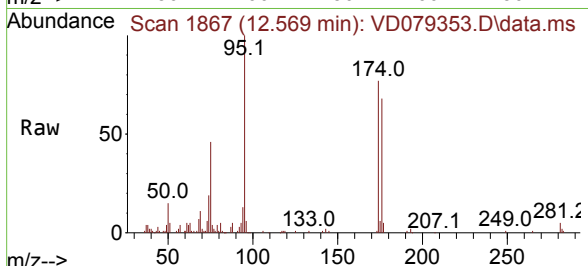




#62  
 4-Bromofluorobenzene  
 Concen: 37.304 ug/l  
 RT: 12.569 min Scan# 1867  
 Delta R.T. -0.000 min  
 Lab File: VD079353.D  
 Acq: 08 Jul 2024 20:52

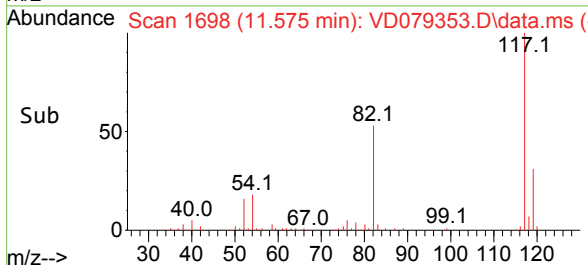
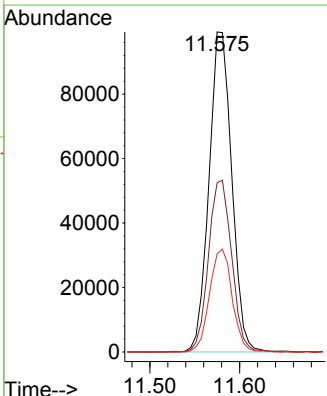
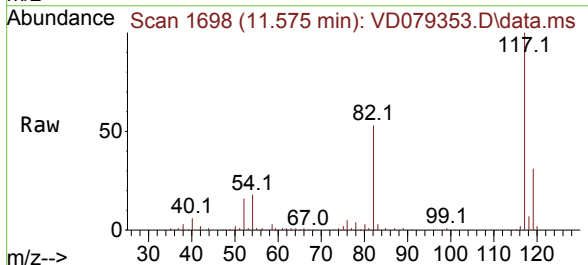
Instrument :  
 MSVOA\_D  
 ClientSampleId :

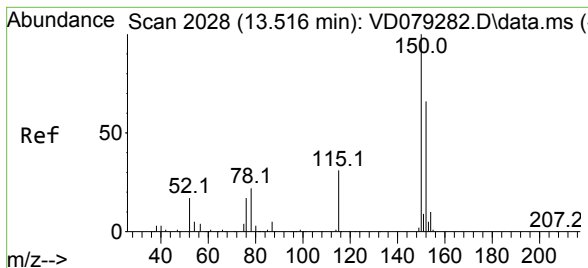
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 63956 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 78.3  | 0.0   | 195.4 |
| 176       | 71.9  | 0.0   | 192.6 |



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.575 min Scan# 1698  
 Delta R.T. -0.006 min  
 Lab File: VD079353.D  
 Acq: 08 Jul 2024 20:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 174960 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 52.7  | 39.8  | 59.6   |
| 119       | 30.7  | 25.7  | 38.5   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.000 min

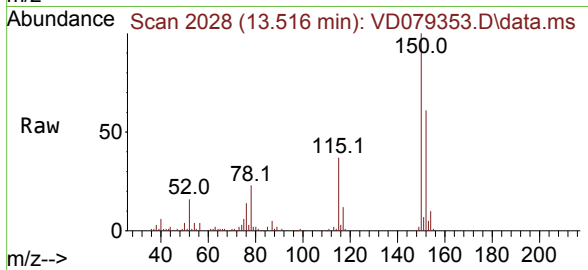
Lab File: VD079353.D

Acq: 08 Jul 2024 20:52

Instrument :

MSVOA\_D

ClientSampleId :



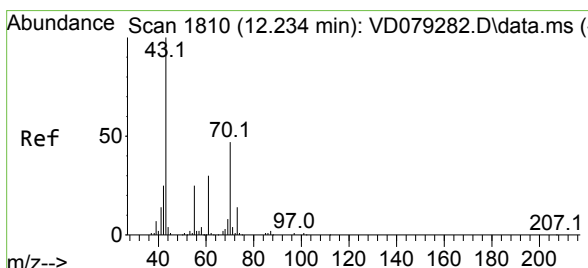
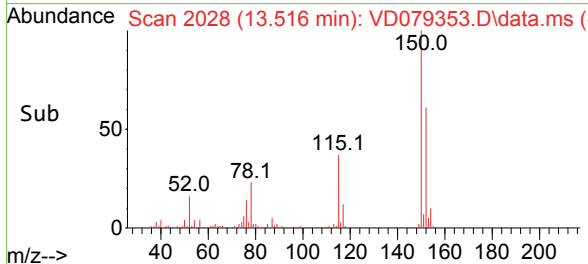
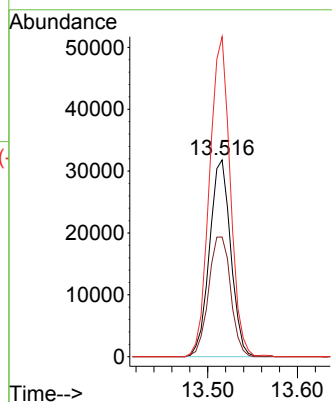
Tgt Ion:152 Resp: 52269

Ion Ratio Lower Upper

152 100

115 63.3 26.5 79.5

150 158.6 0.0 341.6



#74

N-ethyl acetate

Concen: 1.903 ug/l

RT: 12.204 min Scan# 1805

Delta R.T. -0.024 min

Lab File: VD079353.D

Acq: 08 Jul 2024 20:52

Tgt Ion: 43 Resp: 1492

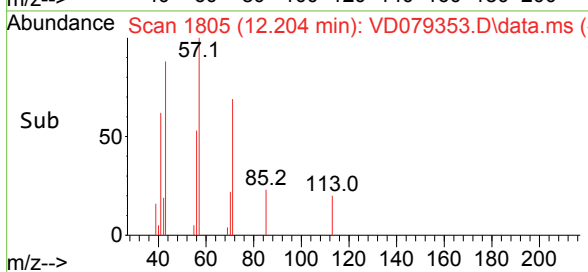
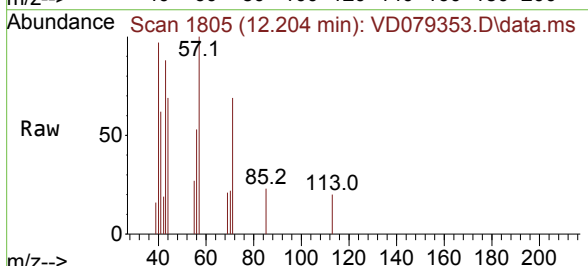
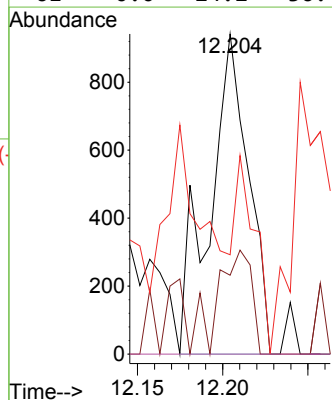
Ion Ratio Lower Upper

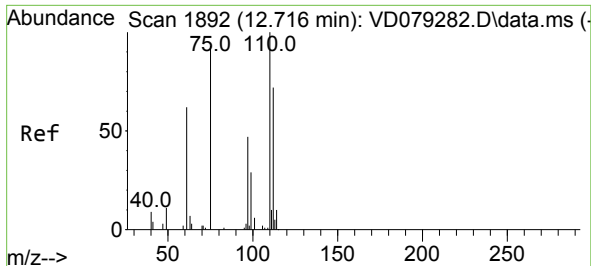
43 100

70 29.0 44.3 66.5#

55 31.0 23.2 34.8

61 0.0 24.2 36.4#

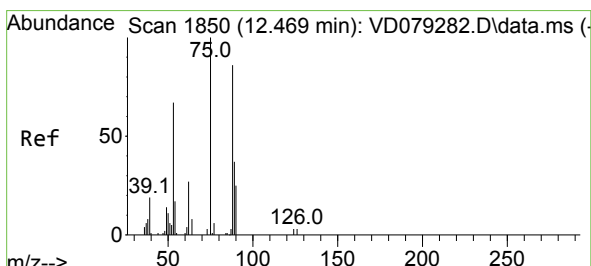
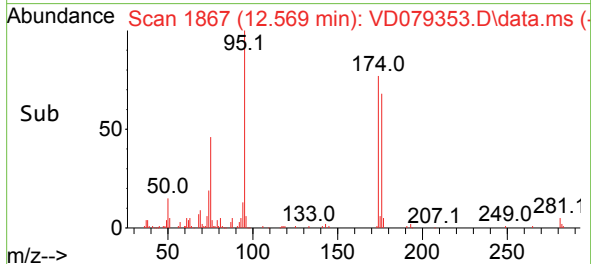
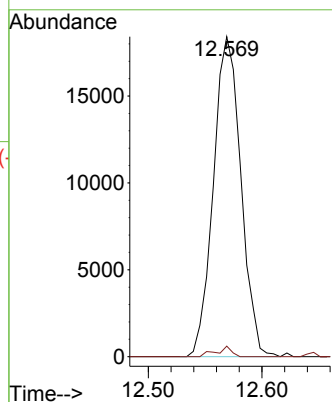
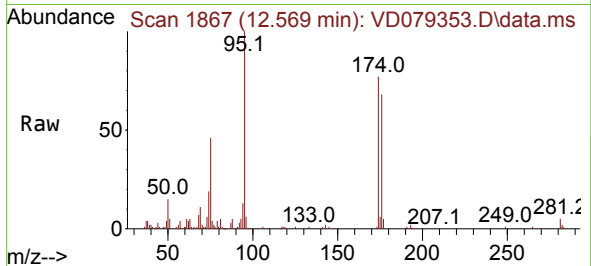




#76  
1,2,3-Trichloropropane  
Concen: 61.680 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.153 min  
Lab File: VD079353.D  
Acq: 08 Jul 2024 20:52

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 30976  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 116.295 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.100 min  
Lab File: VD079353.D  
Acq: 08 Jul 2024 20:52

Tgt Ion: 75 Resp: 30976  
Ion Ratio Lower Upper  
75 100  
53 0.0 61.4 92.2#  
89 0.0 35.4 53.0#

