

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101424\  
 Data File : VD079971.D  
 Acq On : 14 Oct 2024 10:50  
 Operator : RP/MD  
 Sample : VD1014SBL01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 15 03:11:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101124S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 14 03:20:54 2024  
 Response via : Initial Calibration

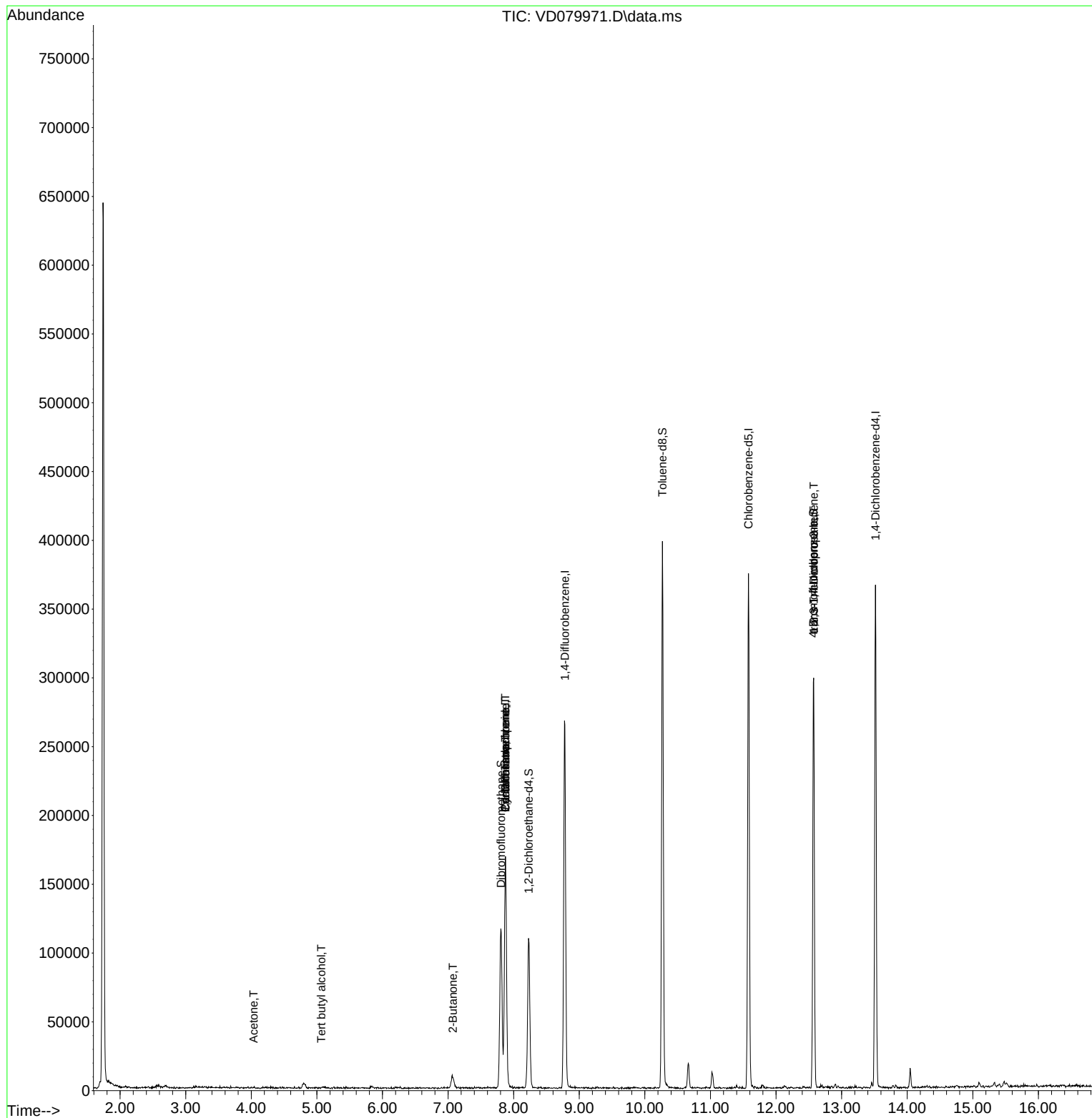
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 131370   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781  | 114   | 232939   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 212651   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 99419    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 87073    | 58.267    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 116.540% |          |
| 35) Dibromofluoromethane      | 7.810  | 113   | 86330    | 51.348    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 102.700% |          |
| 50) Toluene-d8                | 10.269 | 98    | 272803   | 45.533    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 91.060%  |          |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 91823    | 43.904    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 87.800%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 5.069  | 59    | 129      | 1.411     | ug/l #     | 82       |
| 16) Acetone                   | 4.034  | 43    | 1211     | 3.126     | ug/l       | 94       |
| 20) Methylene Chloride        | 4.787  | 84    | 2501     | Below Cal | #          | 88       |
| 25) 2-Butanone                | 7.075  | 43    | 810      | 1.717     | ug/l #     | 47       |
| 31) Cyclohexane               | 7.875  | 56    | 2995     | 1.319     | ug/l #     | 2        |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 10794    | 4.790     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 12637    | 5.047     | ug/l #     | 19       |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 44427    | 40.505    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 44427    | 90.394    | ug/l #     | 15       |
| -----                         |        |       |          |           |            |          |

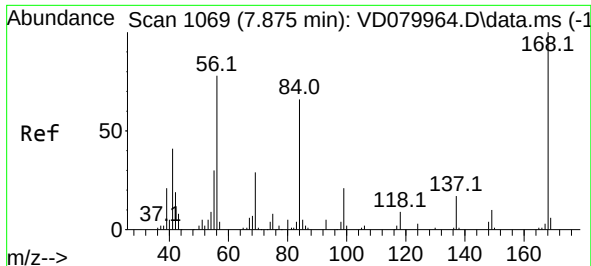
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101424\  
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Sample : VD1014SBL01  
Misc : 5.00G/5ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Oct 15 03:11:03 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101124S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 14 03:20:54 2024  
Response via : Initial Calibration

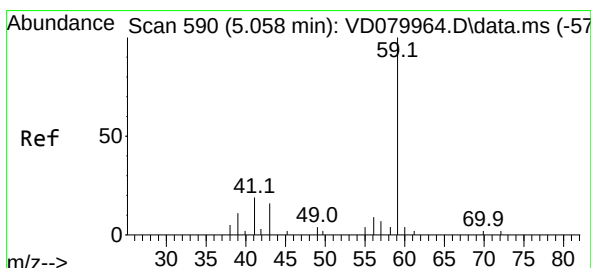
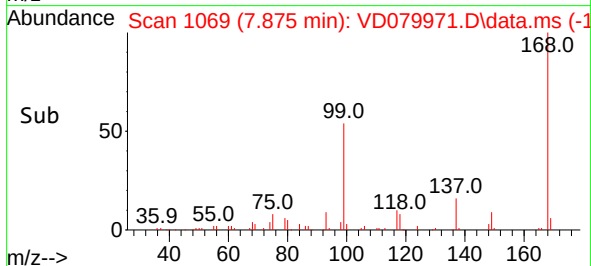
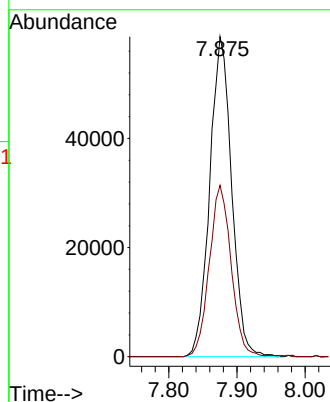
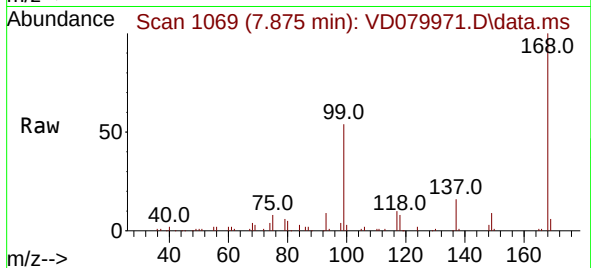




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079971.D  
Acq: 14 Oct 2024 10:50

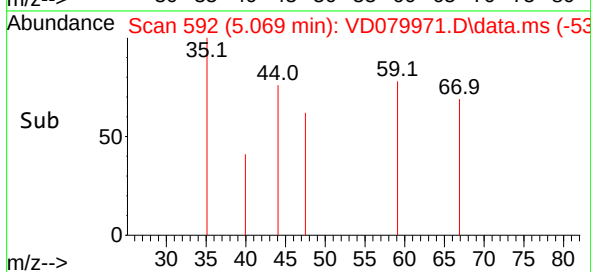
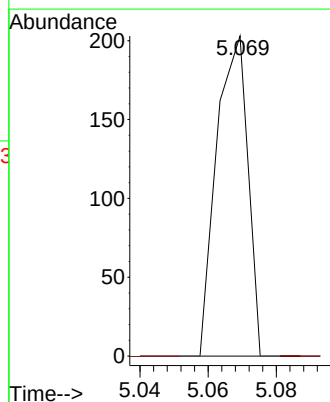
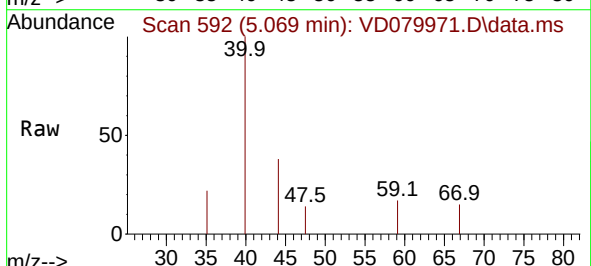
Instrument :  
MSVOA\_D  
ClientSampleId :

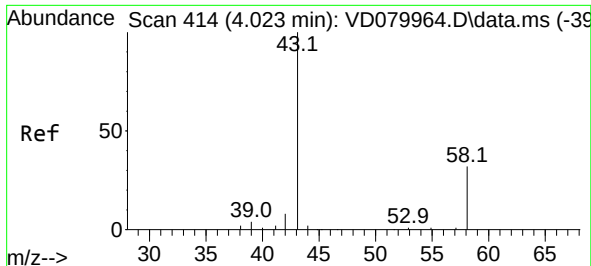
Tgt Ion:168 Resp: 131370  
Ion Ratio Lower Upper  
168 100  
99 53.5 46.0 69.0



#11  
Tert butyl alcohol  
Concen: 1.411 ug/l  
RT: 5.069 min Scan# 592  
Delta R.T. 0.012 min  
Lab File: VD079971.D  
Acq: 14 Oct 2024 10:50

Tgt Ion: 59 Resp: 129  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.8 7.2#





#16

Acetone

Concen: 3.126 ug/l

RT: 4.034 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD079971.D

Acq: 14 Oct 2024 10:50

Instrument :

MSVOA\_D

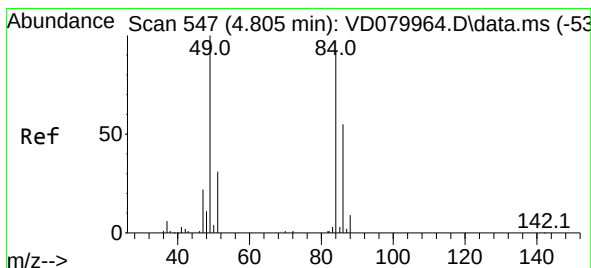
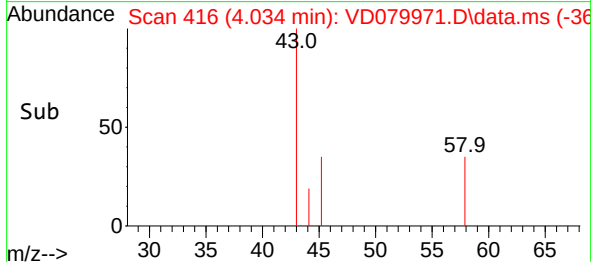
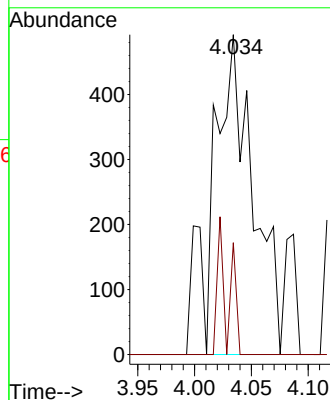
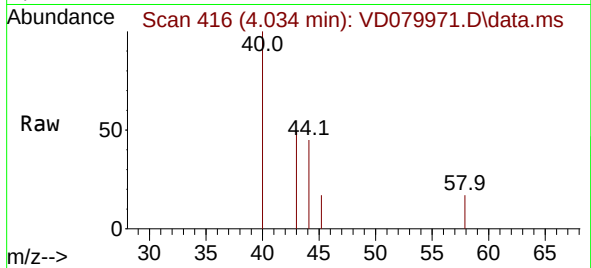
ClientSampleId :

Tgt Ion: 43 Resp: 1211

Ion Ratio Lower Upper

43 100

58 35.0 25.4 38.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.787 min Scan# 544

Delta R.T. -0.018 min

Lab File: VD079971.D

Acq: 14 Oct 2024 10:50

Tgt Ion: 84 Resp: 2501

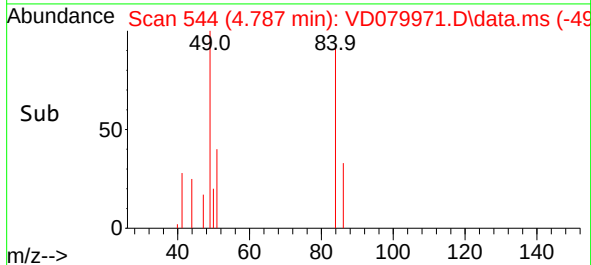
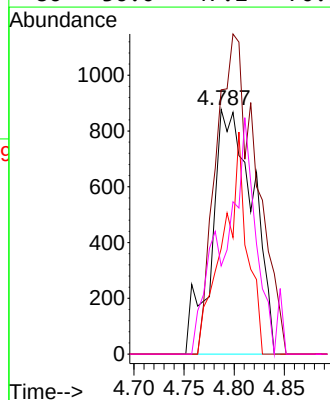
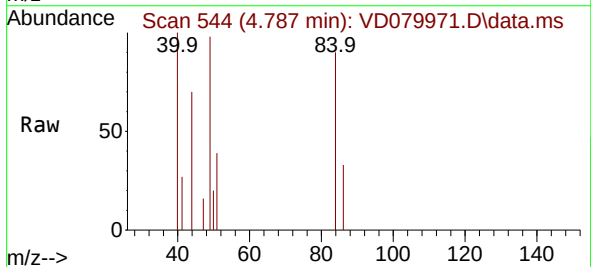
Ion Ratio Lower Upper

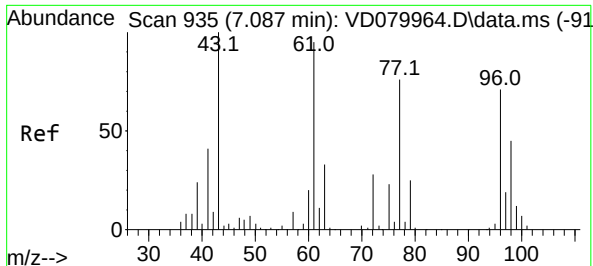
84 100

49 108.1 86.5 129.7

51 43.1 26.9 40.3#

86 36.0 47.2 70.8#

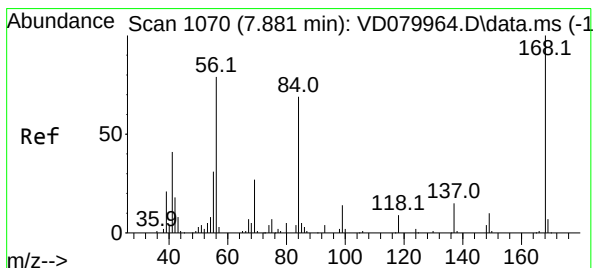
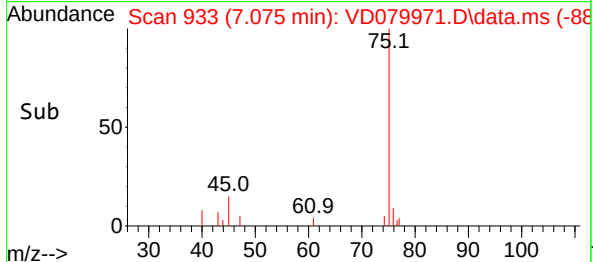
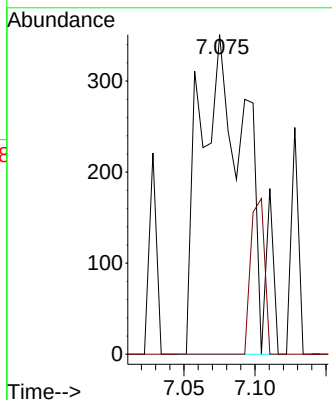
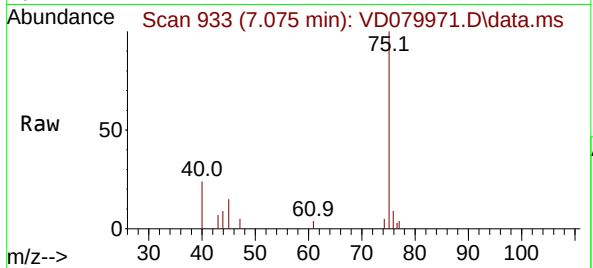




#25  
2-Butanone  
Concen: 1.717 ug/l  
RT: 7.075 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VD079971.D  
Acq: 14 Oct 2024 10:50

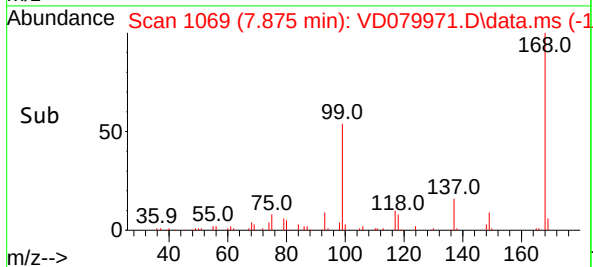
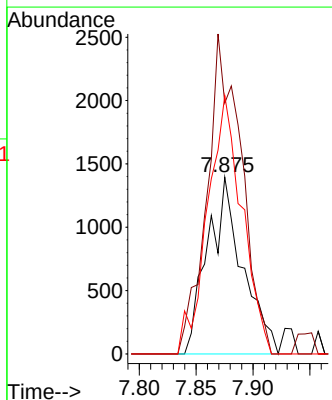
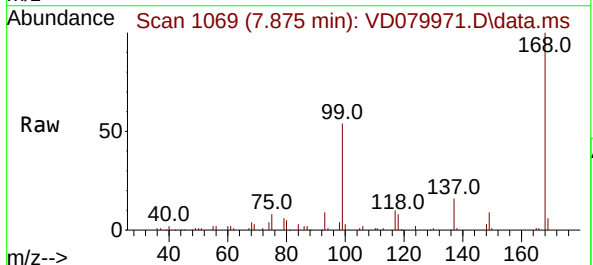
Instrument :  
MSVOA\_D  
ClientSampleId :

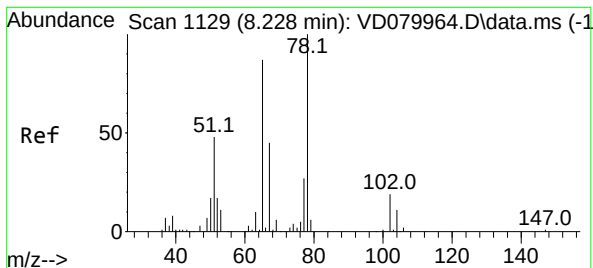
Tgt Ion: 43 Resp: 810  
Ion Ratio Lower Upper  
43 100  
72 0.0 22.3 33.5#



#31  
Cyclohexane  
Concen: 1.319 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD079971.D  
Acq: 14 Oct 2024 10:50

Tgt Ion: 56 Resp: 2995  
Ion Ratio Lower Upper  
56 100  
69 141.9 27.3 40.9#  
84 146.2 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 58.267 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079971.D

Acq: 14 Oct 2024 10:50

Instrument :

MSVOA\_D

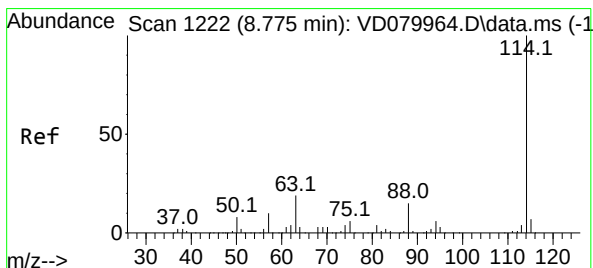
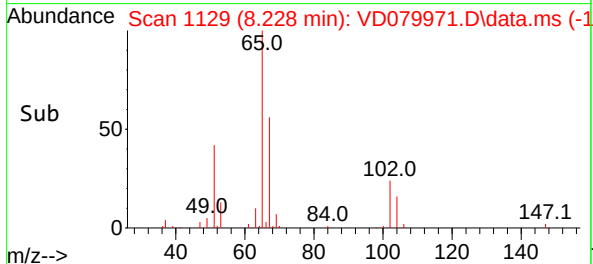
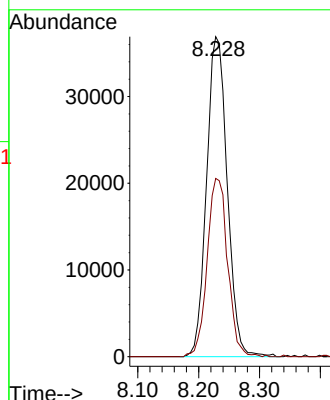
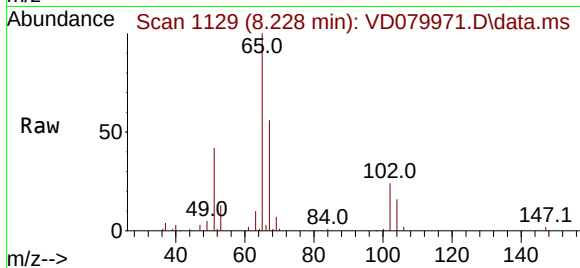
ClientSampleId :

Tgt Ion: 65 Resp: 87073

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD079971.D

Acq: 14 Oct 2024 10:50

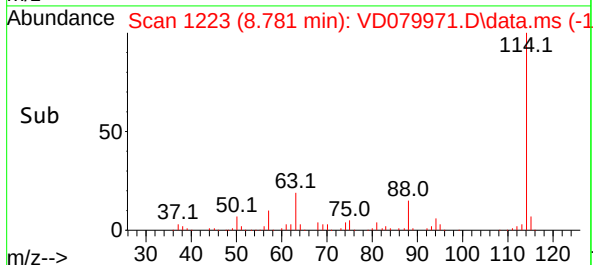
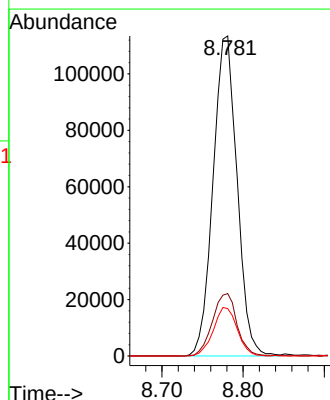
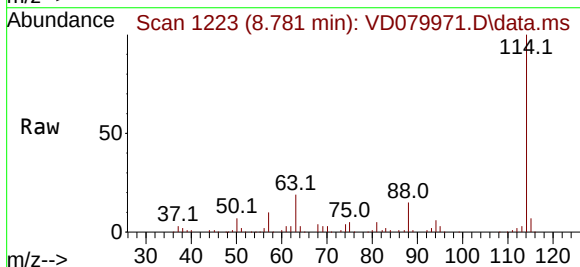
Tgt Ion: 114 Resp: 232939

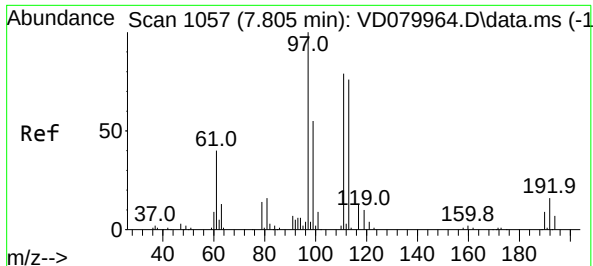
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.348 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

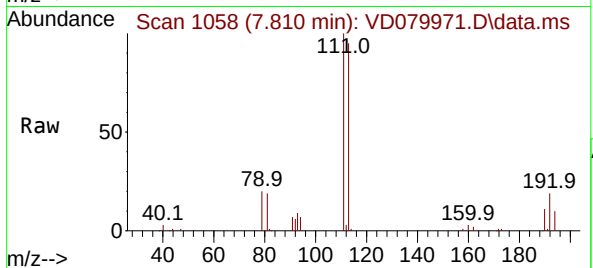
Lab File: VD079971.D

Acq: 14 Oct 2024 10:50

Instrument :

MSVOA\_D

ClientSampleId :



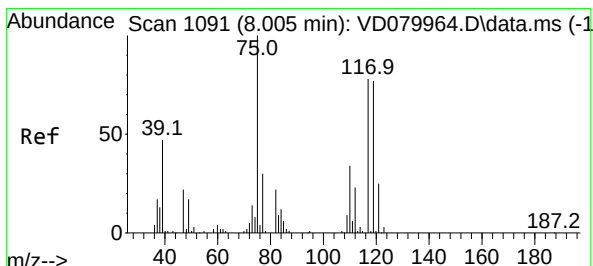
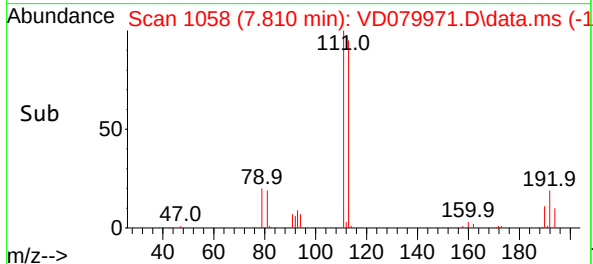
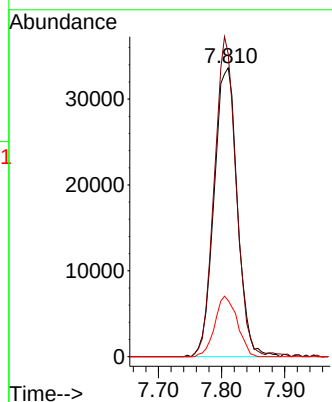
Tgt Ion:113 Resp: 86330

Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 20.1 16.6 25.0



#36

1,1-Dichloropropene

Concen: 4.790 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD079971.D

Acq: 14 Oct 2024 10:50

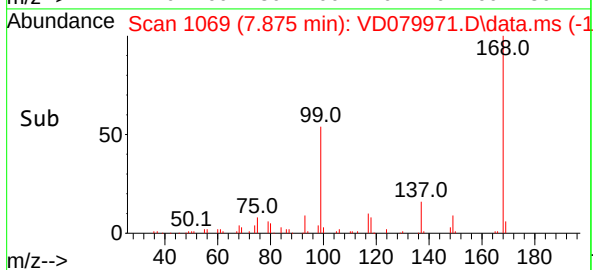
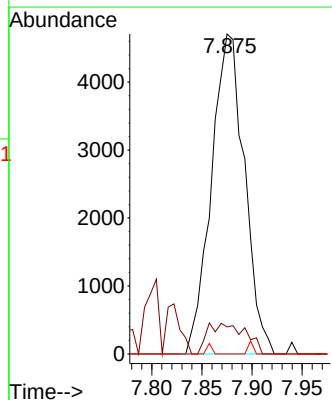
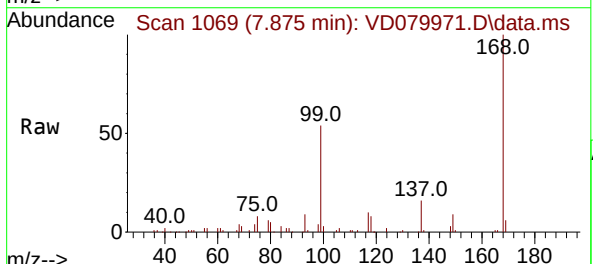
Tgt Ion: 75 Resp: 10794

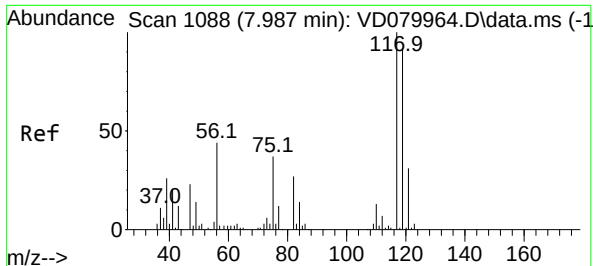
Ion Ratio Lower Upper

75 100

110 11.0 18.4 55.0#

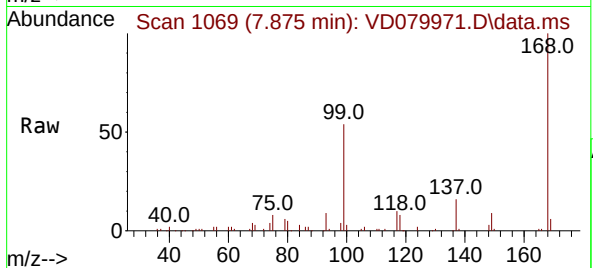
77 0.5 25.6 38.4#



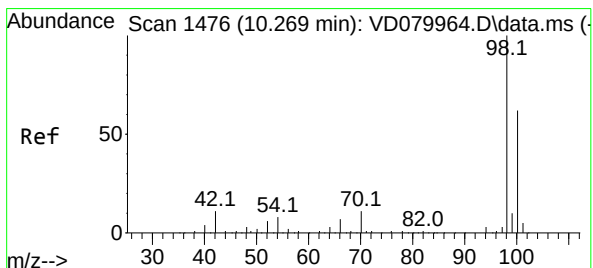
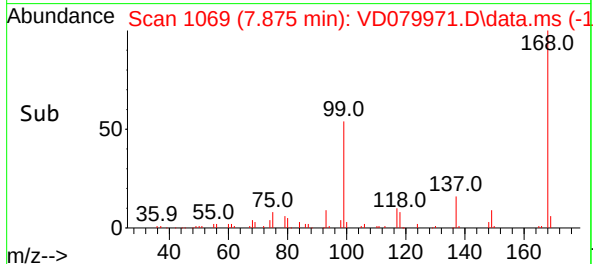
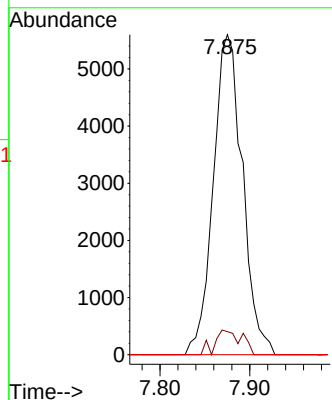


#38  
Carbon Tetrachloride  
Concen: 5.047 ug/l  
RT: 7.875 min Scan# 1088  
Delta R.T. -0.112 min  
Lab File: VD079971.D  
Acq: 14 Oct 2024 10:50

Instrument :  
MSVOA\_D  
ClientSampleId :

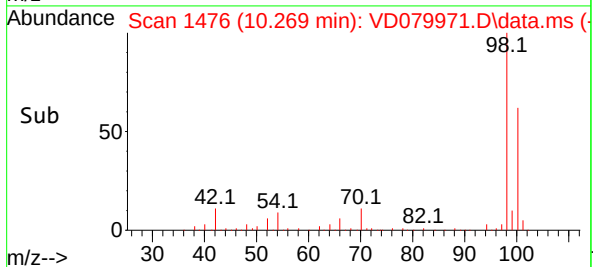
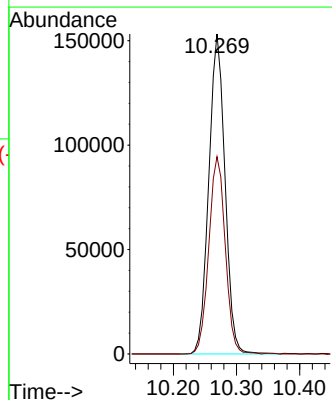
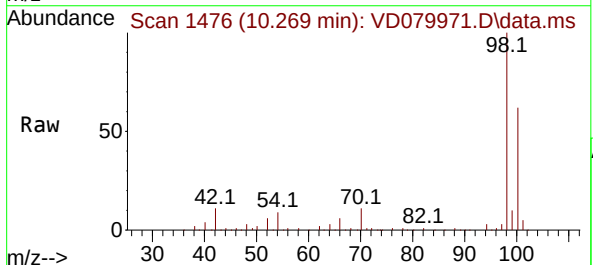


Tgt Ion:117 Resp: 12637  
Ion Ratio Lower Upper  
117 100  
119 7.2 73.4 110.0#  
121 0.0 24.5 36.7#

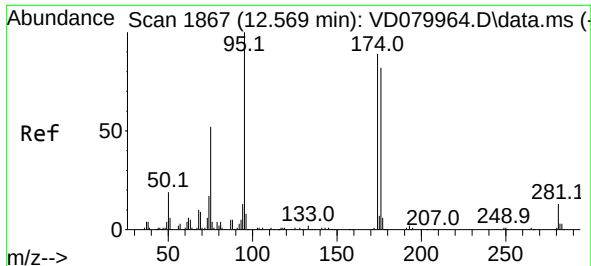


#50  
Toluene-d8  
Concen: 45.533 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD079971.D  
Acq: 14 Oct 2024 10:50

Tgt Ion: 98 Resp: 272803  
Ion Ratio Lower Upper  
98 100  
100 62.5 50.2 75.4



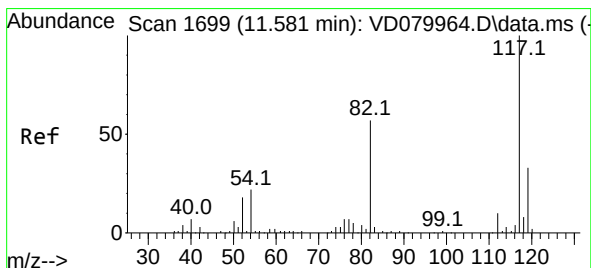
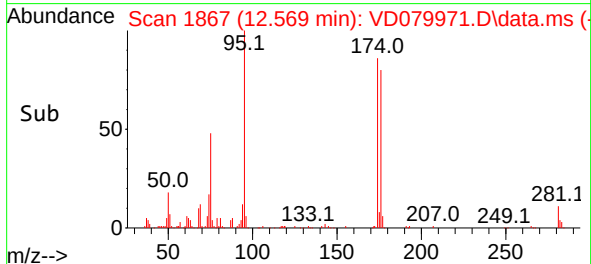
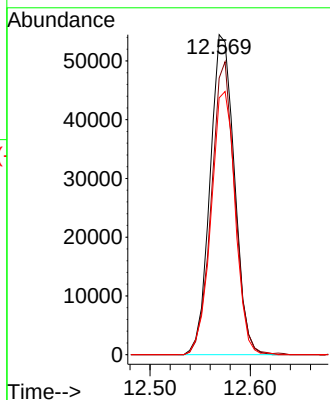
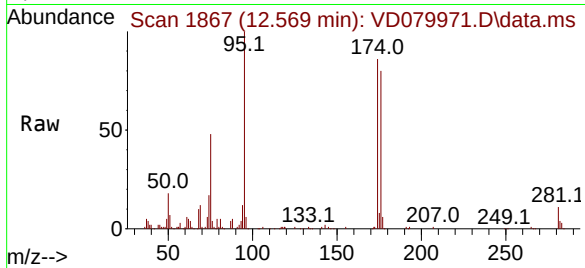




#62  
4-Bromofluorobenzene  
Concen: 43.904 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD079971.D  
Acq: 14 Oct 2024 10:50

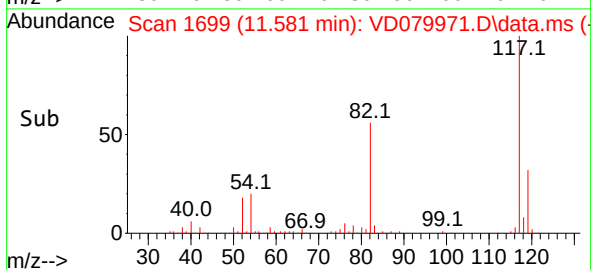
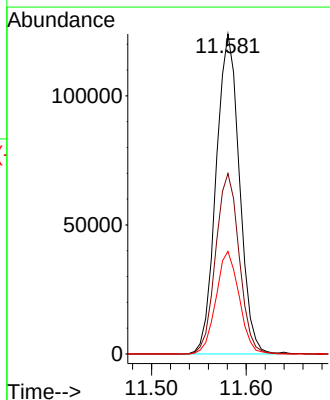
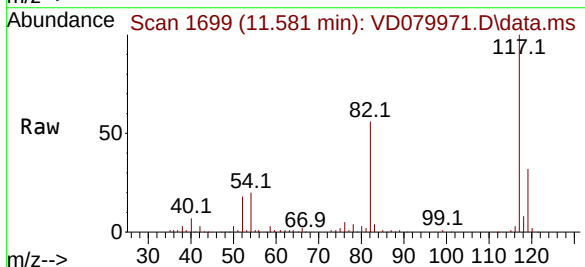
Instrument :  
MSVOA\_D  
ClientSampleId :

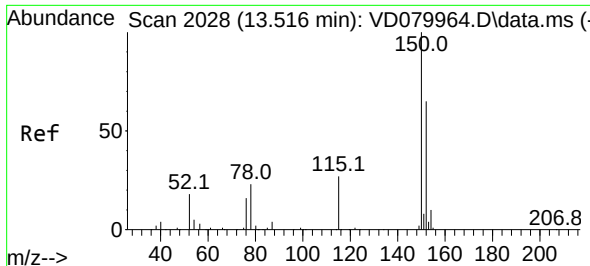
Tgt Ion: 95 Resp: 91823  
Ion Ratio Lower Upper  
95 100  
174 88.4 0.0 173.4  
176 82.0 0.0 166.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD079971.D  
Acq: 14 Oct 2024 10:50

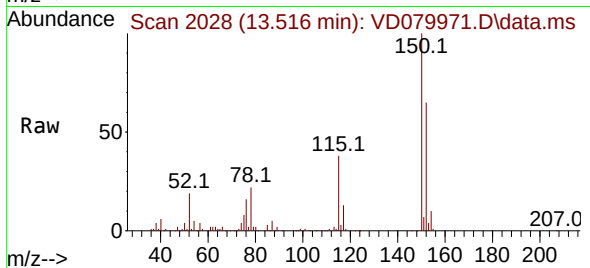
Tgt Ion: 117 Resp: 212651  
Ion Ratio Lower Upper  
117 100  
82 56.4 45.8 68.6  
119 32.0 26.2 39.2



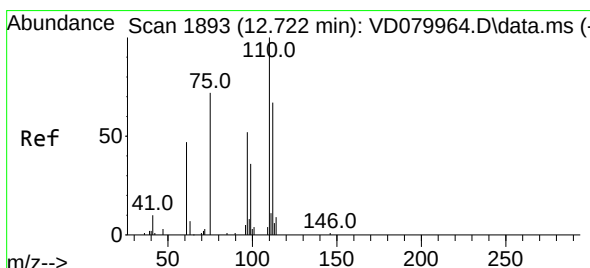
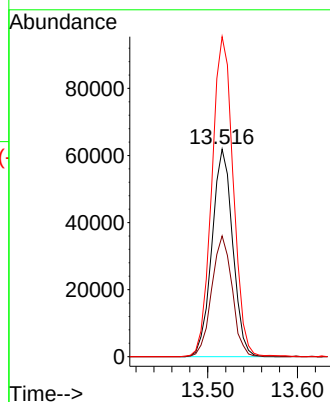
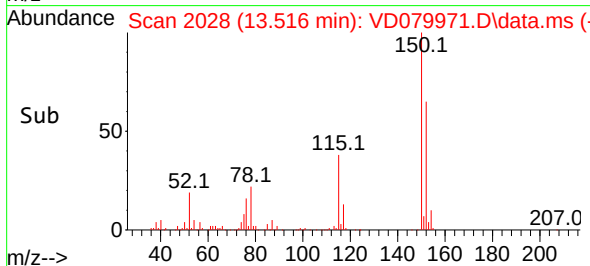


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VD079971.D  
 Acq: 14 Oct 2024 10:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :

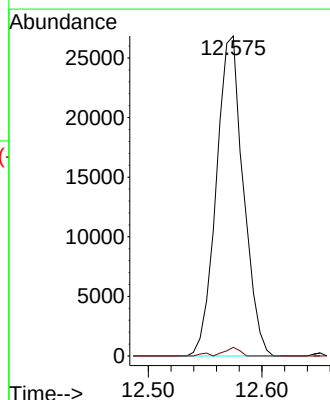
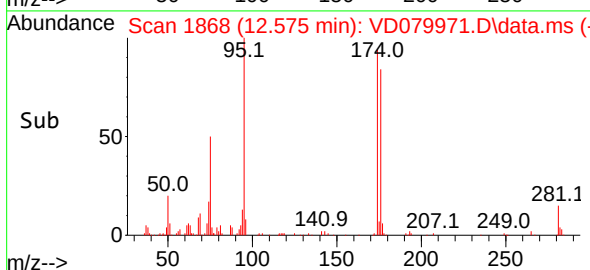
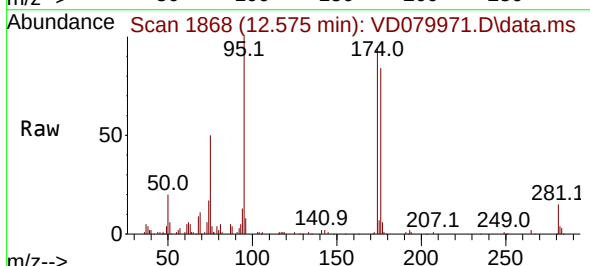


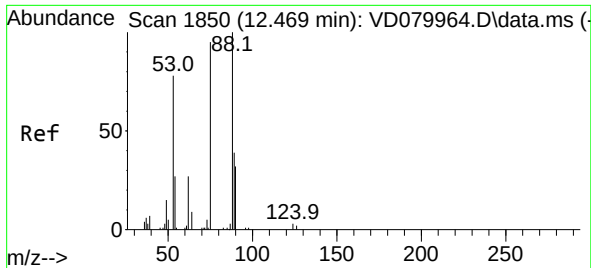
Tgt Ion:152 Resp: 99419  
 Ion Ratio Lower Upper  
 152 100  
 115 57.2 28.9 86.8  
 150 159.1 0.0 354.8



#76  
 1,2,3-Trichloropropane  
 Concen: 40.505 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. -0.147 min  
 Lab File: VD079971.D  
 Acq: 14 Oct 2024 10:50

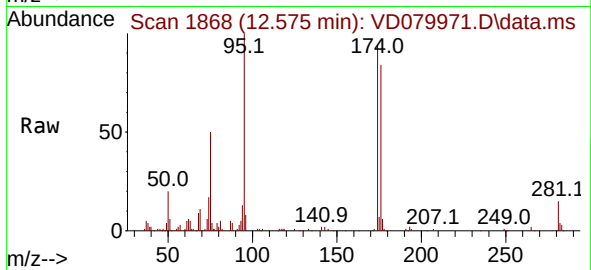
Tgt Ion: 75 Resp: 44427  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.394 ug/l  
RT: 12.575 min Scan# 11  
Delta R.T. 0.106 min  
Lab File: VD079971.D  
Acq: 14 Oct 2024 10:50

Instrument :  
MSVOA\_D  
ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.3   | 68.7  | 103.1# |
| 89      | 0.2   | 36.1  | 54.1#  |

