

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122923\  
 Data File : VD078099.D  
 Acq On : 29 Dec 2023 10:20  
 Operator : RP/MD  
 Sample : VD1229SBL01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1229SBL01

Quant Time: Dec 29 22:31:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122623S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 27 03:40:16 2023  
 Response via : Initial Calibration

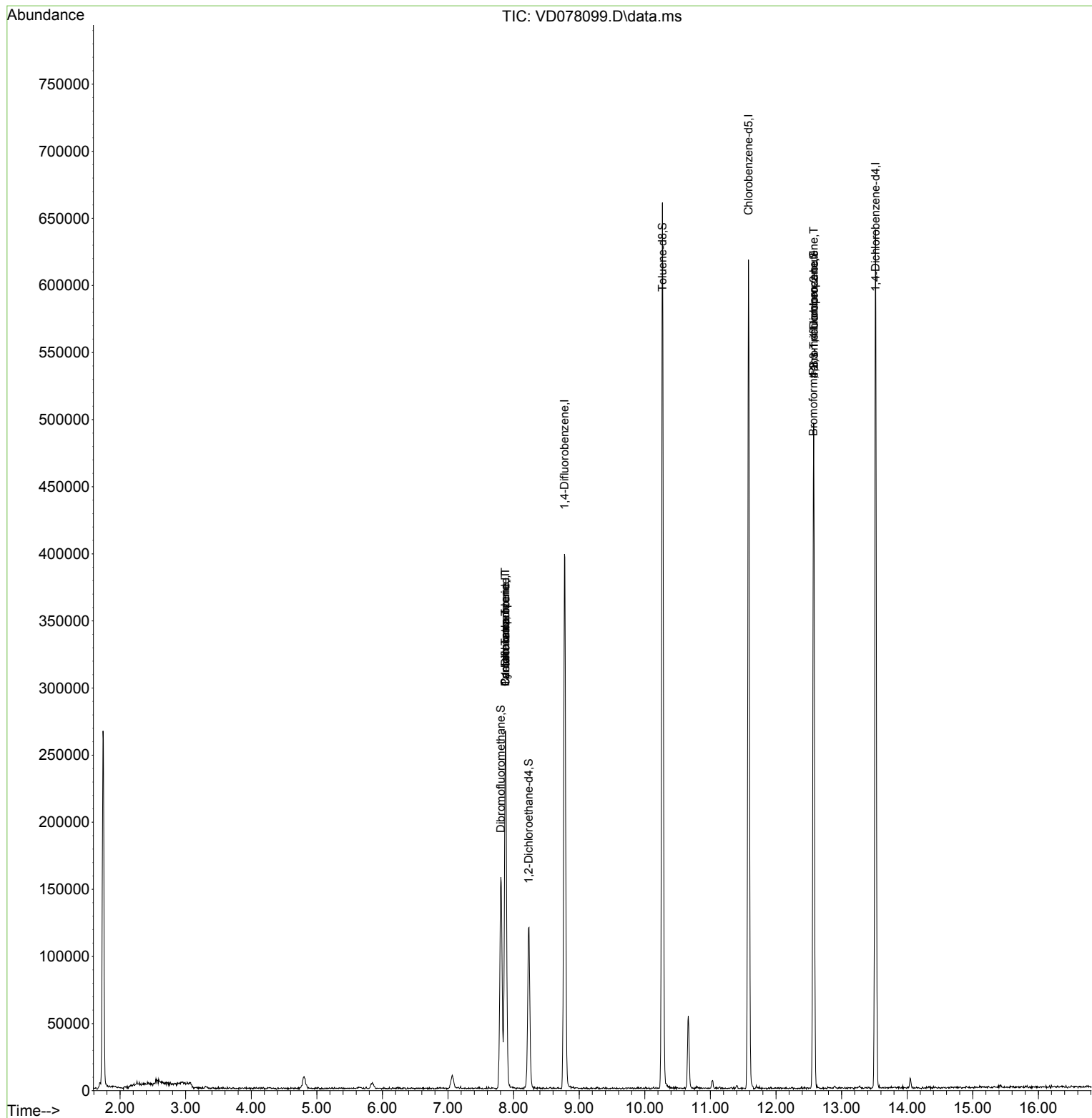
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.875          | 168  | 215134     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775          | 114  | 375352     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581         | 117  | 368224     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516         | 152  | 175681     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228          | 65   | 93905      | 49.057    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 98.120%   |        |          |
| 35) Dibromofluoromethane      | 7.805          | 113  | 116478     | 48.228    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 96.460%   |        |          |
| 50) Toluene-d8                | 10.269         | 98   | 464757     | 54.689    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = | 109.380%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.575         | 95   | 142858     | 52.246    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = | 104.500%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 11) Tert butyl alcohol        | 5.046          | 59   | 68         | Below Cal | #      | 73       |
| 16) Acetone                   | 4.005          | 43   | 62         | Below Cal | #      | 32       |
| 20) Methylene Chloride        | 4.811          | 84   | 7312       | Below Cal | #      | 88       |
| 25) 2-Butanone                | 7.099          | 43   | 193        | Below Cal | #      | 37       |
| 31) Cyclohexane               | 7.875          | 56   | 4089       | 1.339     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.875          | 75   | 15380      | 4.526     | ug/l # | 44       |
| 38) Carbon Tetrachloride      | 7.875          | 117  | 20855      | 5.664     | ug/l # | 15       |
| 71) Bromoform                 | 12.569         | 173  | 2140       | 1.310     | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.575         | 75   | 72745      | 49.080    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575         | 75   | 72745      | 105.757   | ug/l # | 17       |
| -----                         |                |      |            |           |        |          |

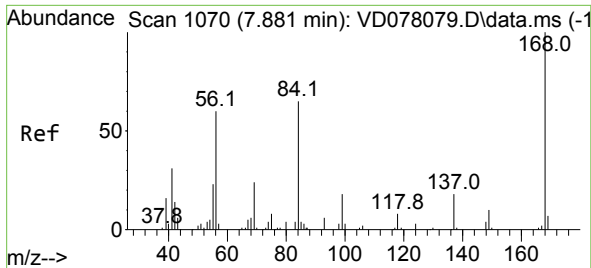
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122923\  
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Sample : VD1229SBL01  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1229SBL01

Quant Time: Dec 29 22:31:31 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122623S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 27 03:40:16 2023  
Response via : Initial Calibration

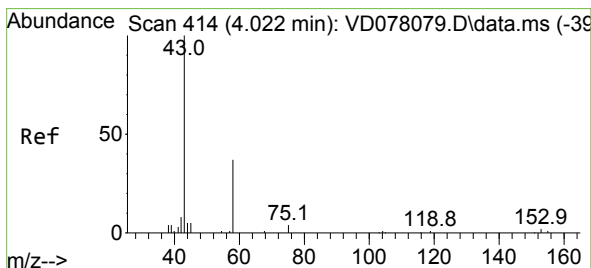
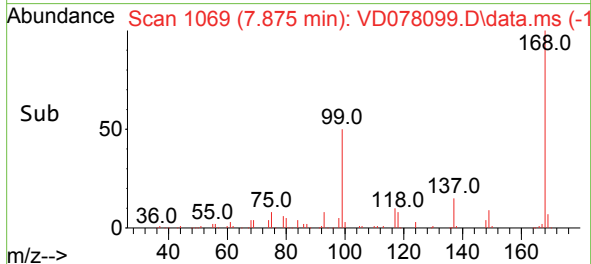
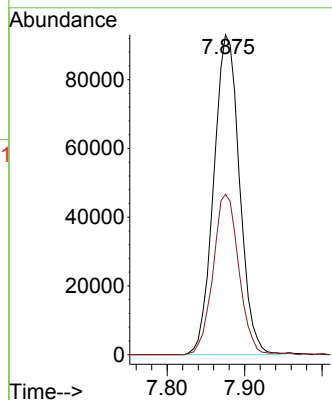
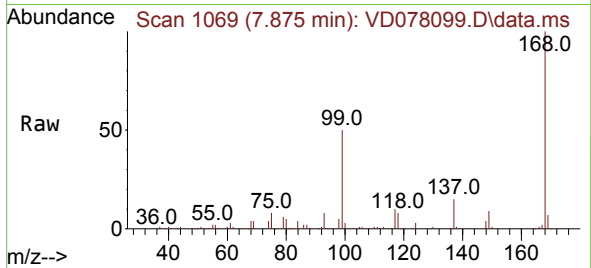




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

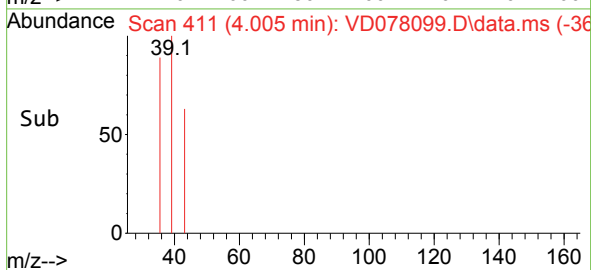
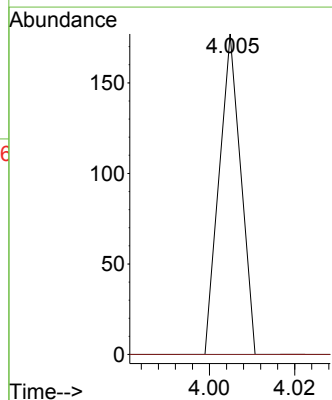
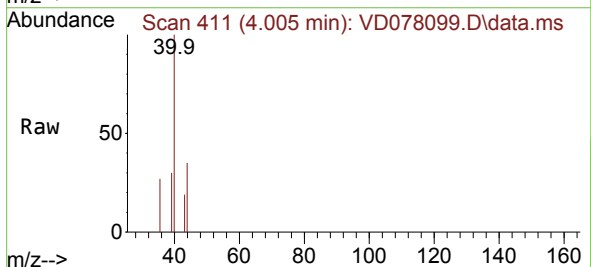
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1229SBL01

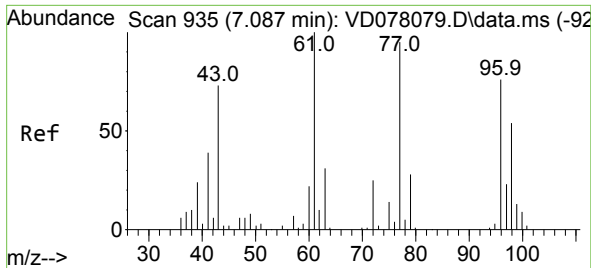
Tgt Ion:168 Resp: 215134  
Ion Ratio Lower Upper  
168 100  
99 50.1 36.7 55.1



#16  
Acetone  
Concen: Below Cal  
RT: 4.005 min Scan# 411  
Delta R.T. -0.017 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

Tgt Ion: 43 Resp: 62  
Ion Ratio Lower Upper  
43 100  
58 0.0 34.7 52.1#





#25

2-Butanone

Concen: Below Cal

RT: 7.099 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD078099.D

Acq: 29 Dec 2023 10:20

Instrument :

MSVOA\_D

ClientSampleId :

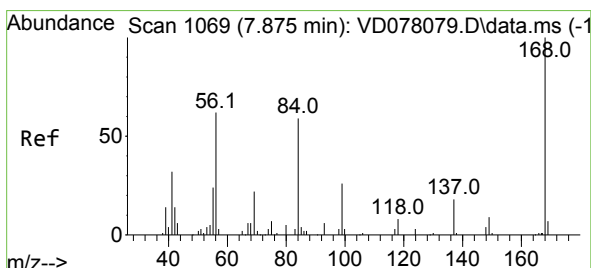
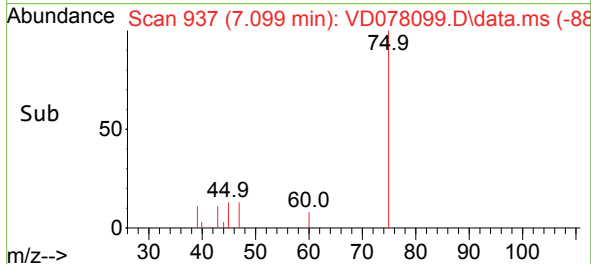
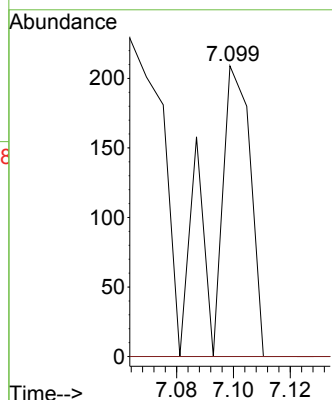
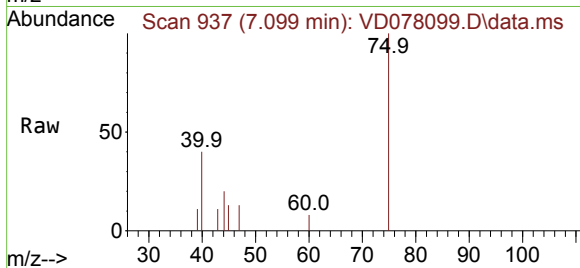
VD1229SBL01

Tgt Ion: 43 Resp: 193

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.339 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD078099.D

Acq: 29 Dec 2023 10:20

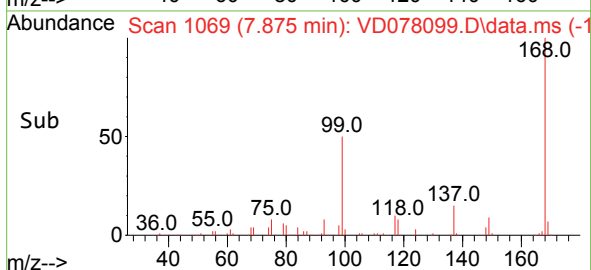
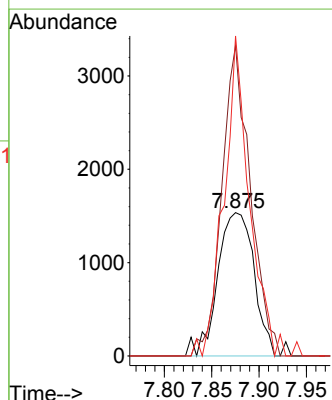
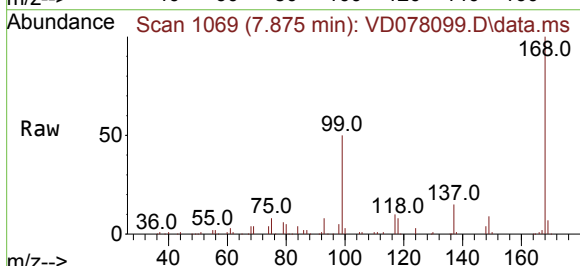
Tgt Ion: 56 Resp: 4089

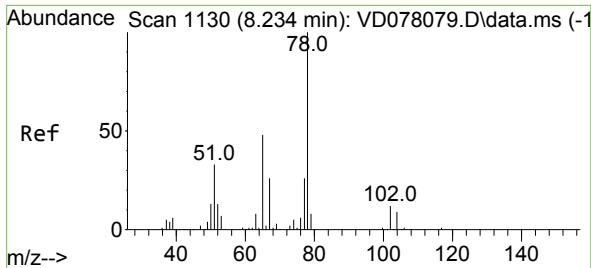
Ion Ratio Lower Upper

56 100

69 216.7 28.6 43.0#

84 223.2 84.8 127.2#

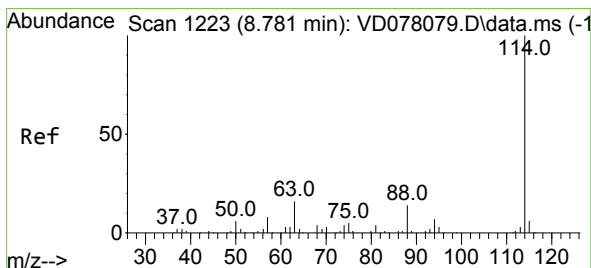
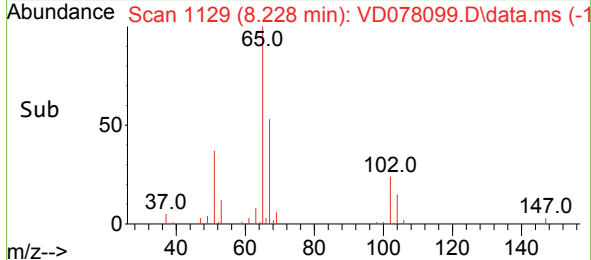
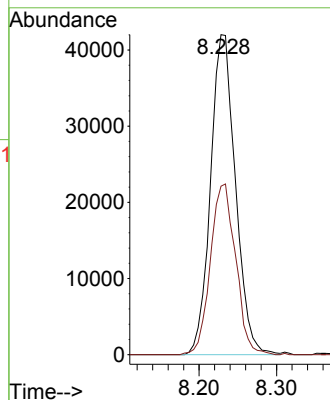
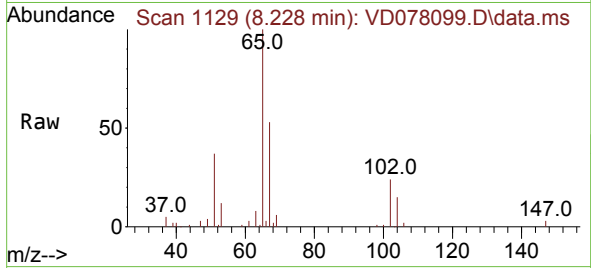




#33  
1,2-Dichloroethane-d4  
Concen: 49.057 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

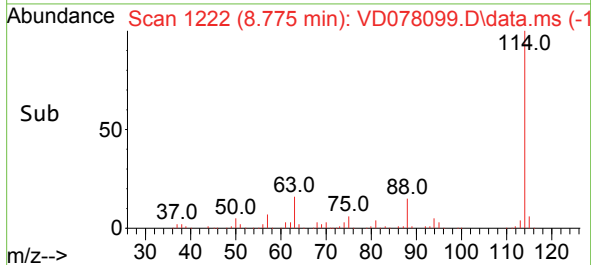
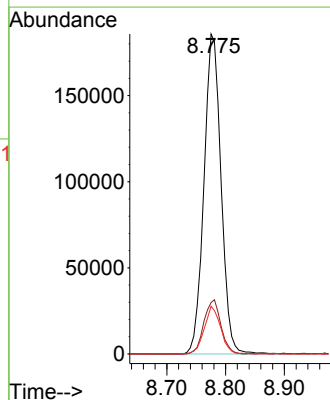
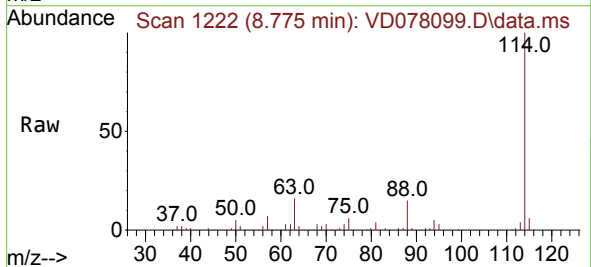
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1229SBL01

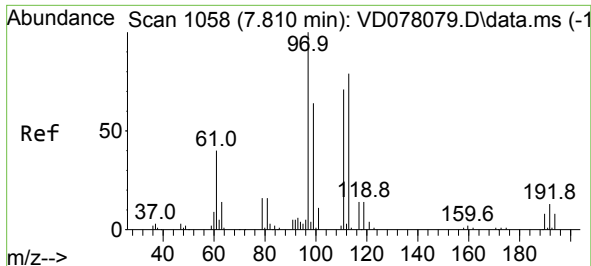
Tgt Ion: 65 Resp: 93905  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 115.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.005 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

Tgt Ion: 114 Resp: 375352  
Ion Ratio Lower Upper  
114 100  
63 16.1 0.0 33.4  
88 14.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 48.228 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD078099.D

Acq: 29 Dec 2023 10:20

Instrument :

MSVOA\_D

ClientSampleId :

VD1229SBL01

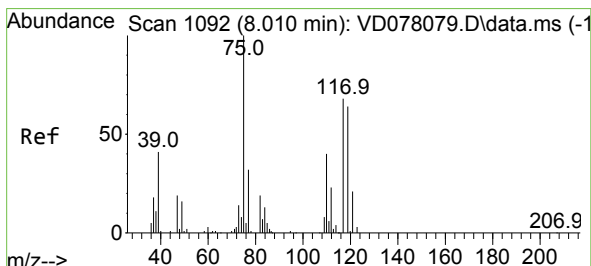
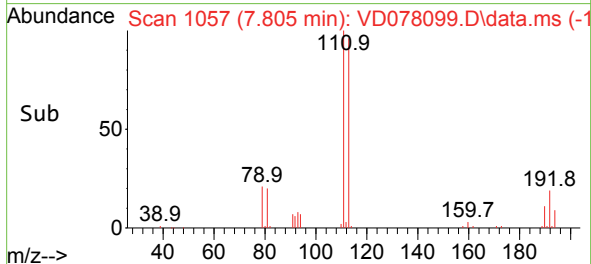
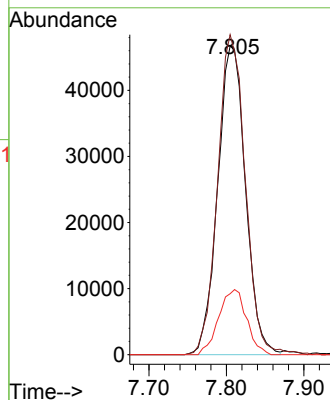
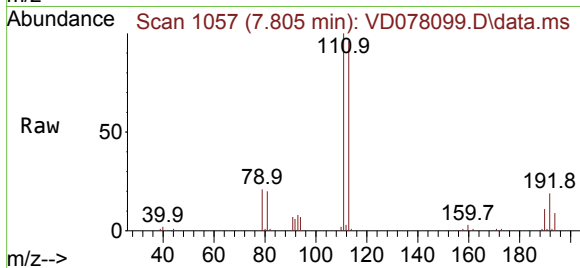
Tgt Ion:113 Resp: 116478

Ion Ratio Lower Upper

113 100

111 103.3 84.7 127.1

192 21.2 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.526 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078099.D

Acq: 29 Dec 2023 10:20

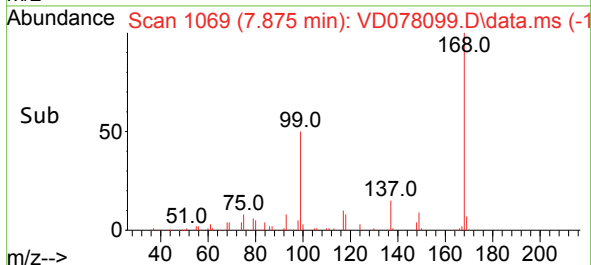
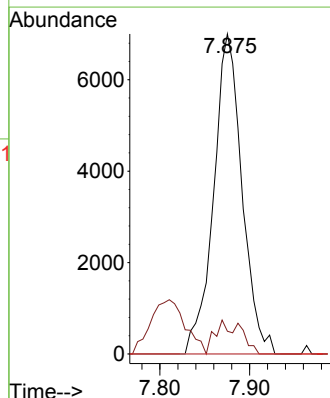
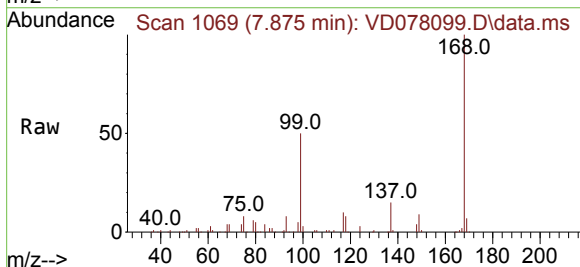
Tgt Ion: 75 Resp: 15380

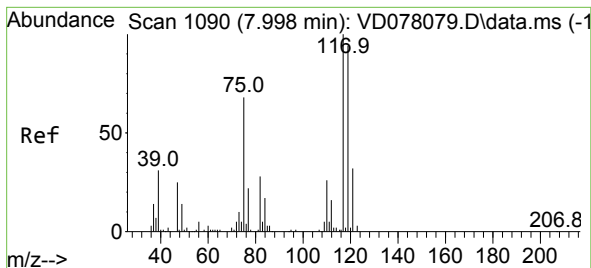
Ion Ratio Lower Upper

75 100

110 5.9 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.664 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.123 min

Lab File: VD078099.D

Acq: 29 Dec 2023 10:20

Instrument :

MSVOA\_D

ClientSampleId :

VD1229SBL01

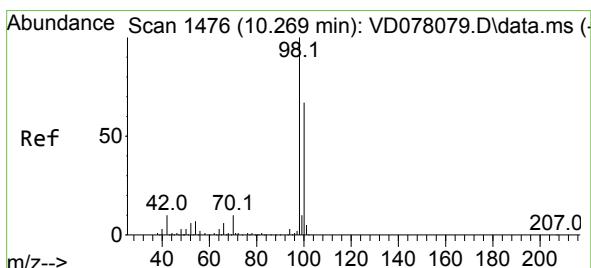
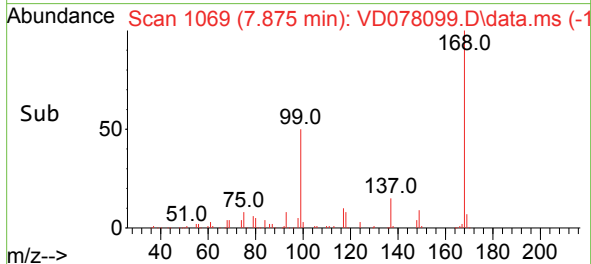
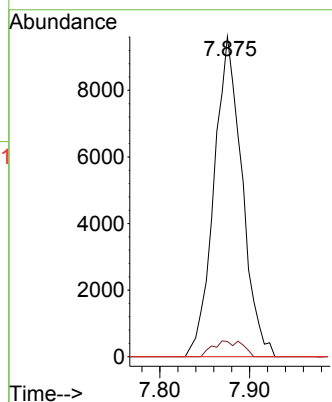
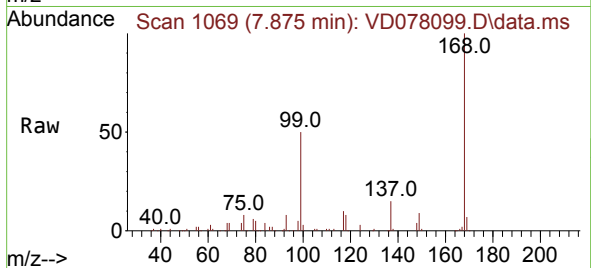
Tgt Ion:117 Resp: 20855

Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.689 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078099.D

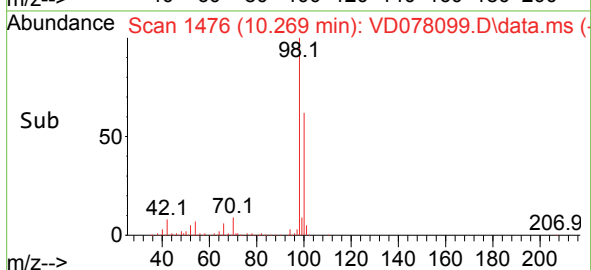
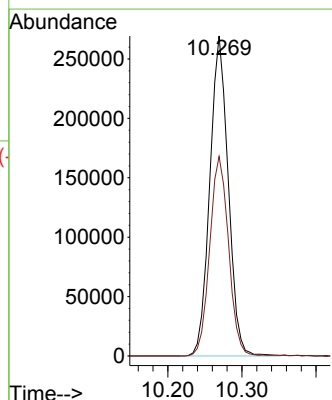
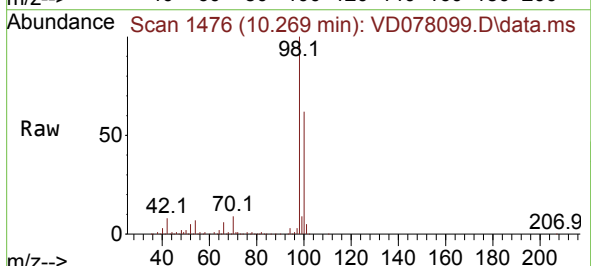
Acq: 29 Dec 2023 10:20

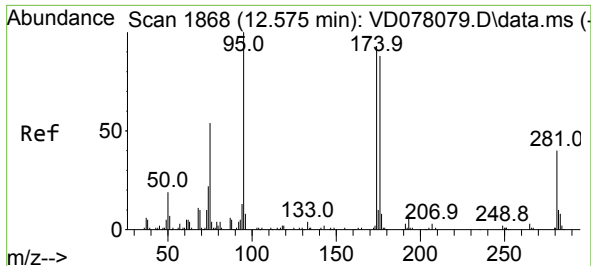
Tgt Ion: 98 Resp: 464757

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5

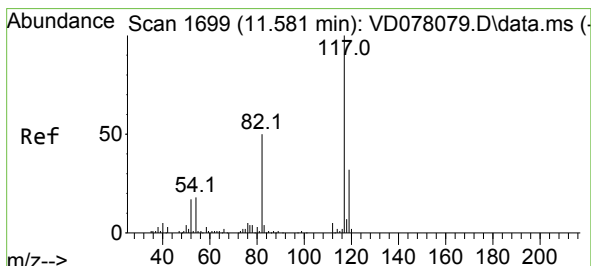
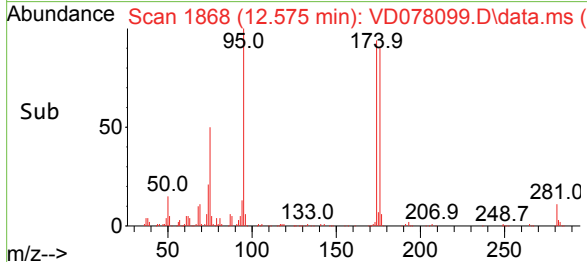
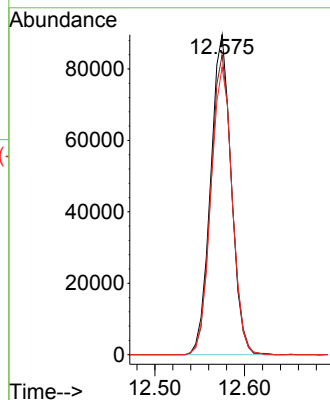
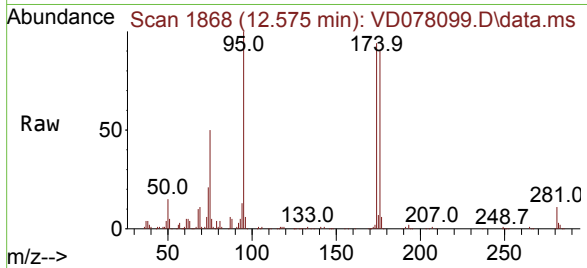




#62  
4-Bromofluorobenzene  
Concen: 52.246 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

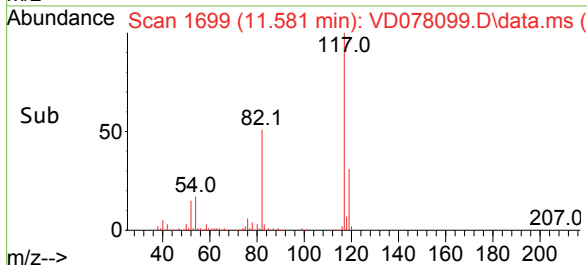
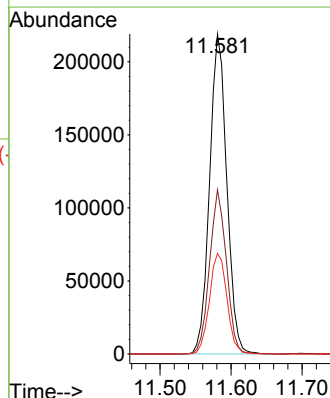
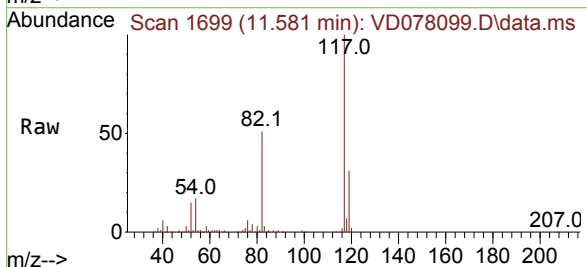
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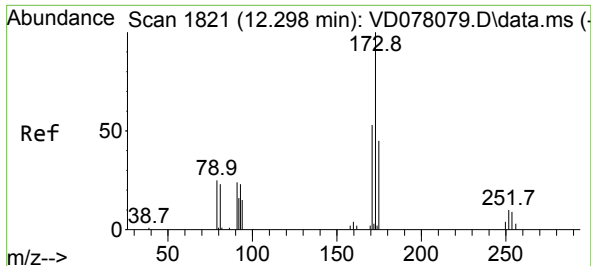
Tgt Ion: 95 Resp: 142858  
Ion Ratio Lower Upper  
95 100  
174 95.2 0.0 201.8  
176 92.8 0.0 191.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

Tgt Ion: 117 Resp: 368224  
Ion Ratio Lower Upper  
117 100  
82 51.3 38.3 57.5  
119 31.4 25.0 37.4

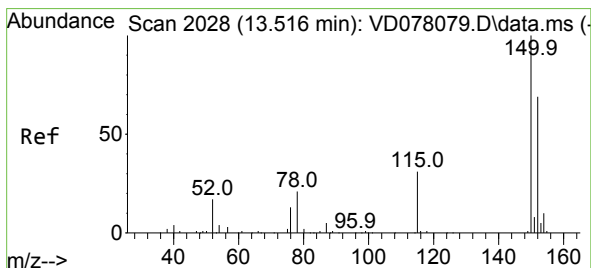
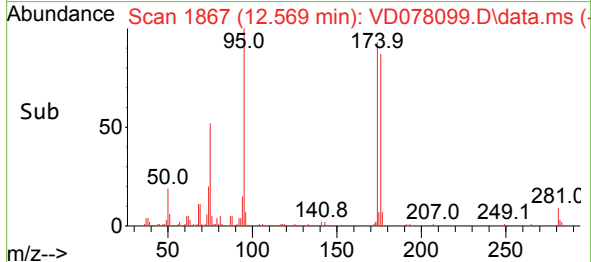
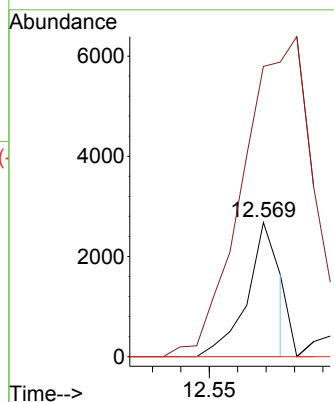
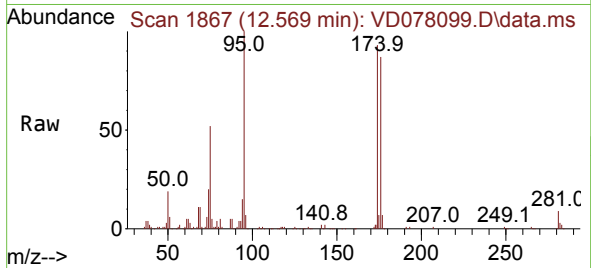




#71  
Bromoform  
Concen: 1.310 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.271 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

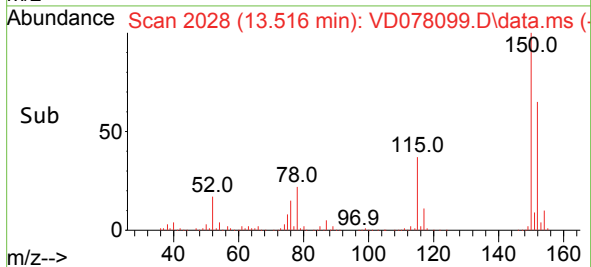
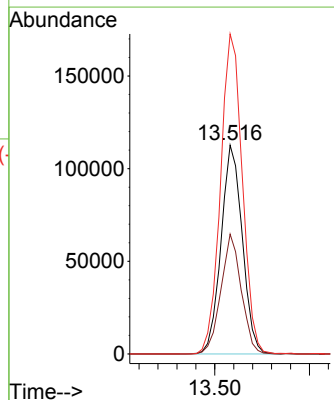
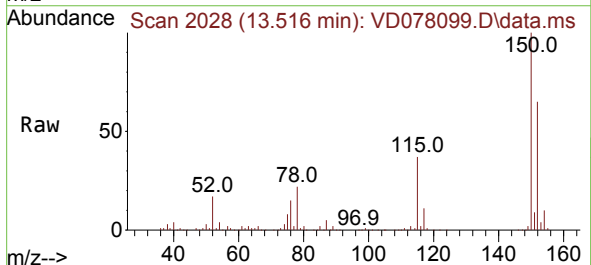
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1229SBL01

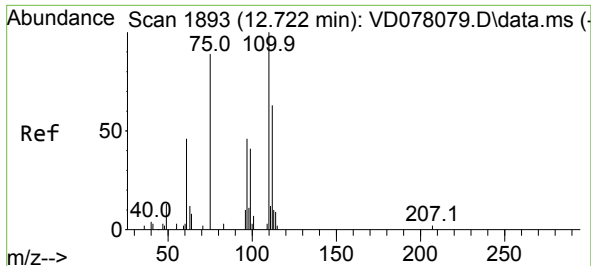
Tgt Ion:173 Resp: 2140  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.6 73.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

Tgt Ion:152 Resp: 175681  
Ion Ratio Lower Upper  
152 100  
115 55.0 27.1 81.3  
150 157.3 0.0 353.6

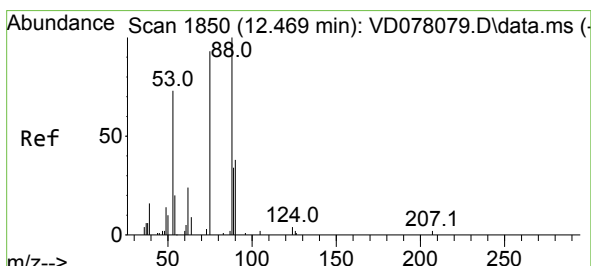
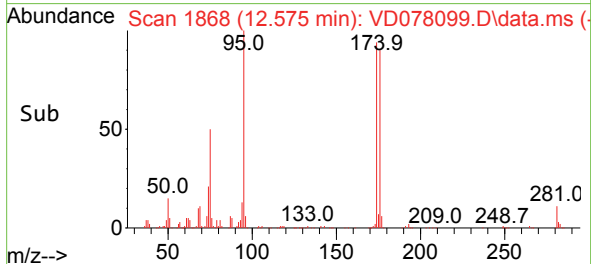
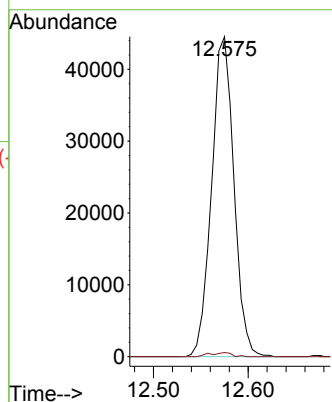
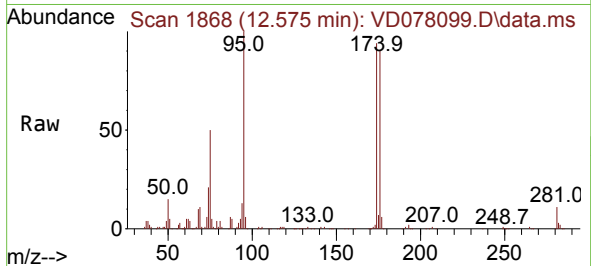




#76  
1,2,3-Trichloropropane  
Concen: 49.080 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1229SBL01

Tgt Ion: 75 Resp: 72745  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 105.757 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

Tgt Ion: 75 Resp: 72745  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.0 94.4#  
89 0.1 37.9 56.9#

