

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120425\  
 Data File : VY023878.D  
 Acq On : 04 Dec 2025 08:40  
 Operator : SY/MD  
 Sample : VY1204SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1204SBL01

Quant Time: Dec 05 01:40:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120325S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 04 03:49:13 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 753303   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.622  | 114  | 1347495  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 1163906  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152  | 486950   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 429775   | 57.031   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.060% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 424127   | 49.075   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.140%  |
| 50) Toluene-d8              | 10.109 | 98    | 1576715  | 46.882   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 93.760%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 475025   | 41.411   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 82.820%  |

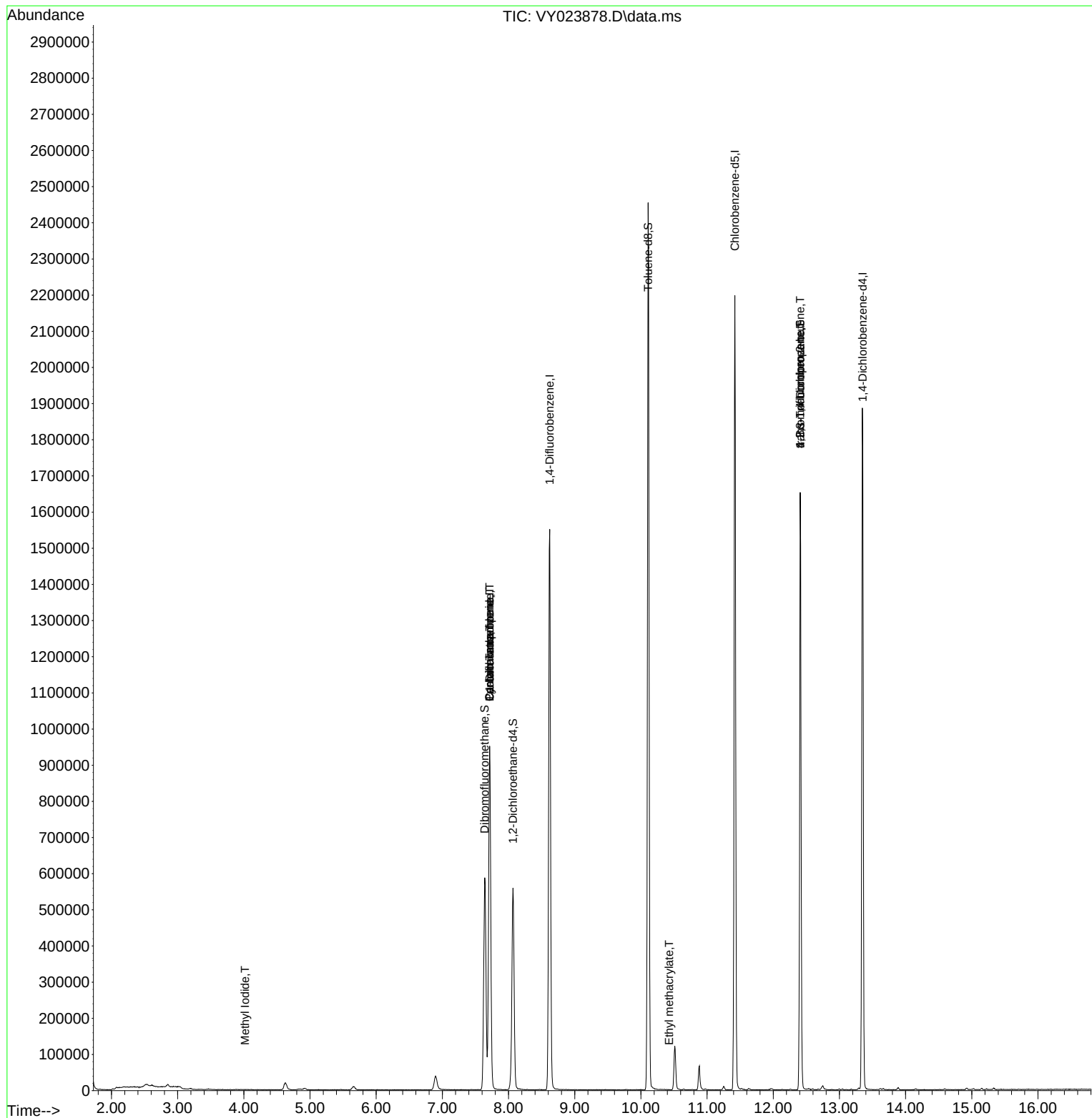
| Target Compounds              |        |     |        |           | Qvalue |     |
|-------------------------------|--------|-----|--------|-----------|--------|-----|
| 10) Methyl Iodide             | 4.019  | 142 | 1112   | 2.563     | ug/l # | 40  |
| 11) Tert butyl alcohol        | 4.842  | 59  | 1710   | Below Cal | #      | 74  |
| 20) Methylene Chloride        | 4.628  | 84  | 13949  | Below Cal |        | 90  |
| 31) Cyclohexane               | 7.713  | 56  | 14832  | 1.051     | ug/l # | 1   |
| 36) 1,1-Dichloropropene       | 7.713  | 75  | 56654  | 4.446     | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 7.713  | 117 | 72999  | 5.190     | ug/l # | 16  |
| 56) Ethyl methacrylate        | 10.426 | 69  | 45     | 4.155     | ug/l # | 35  |
| 76) 1,2,3-Trichloropropane    | 12.407 | 75  | 244449 | 50.637    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.407 | 75  | 244449 | 121.280   | ug/l # | 14  |

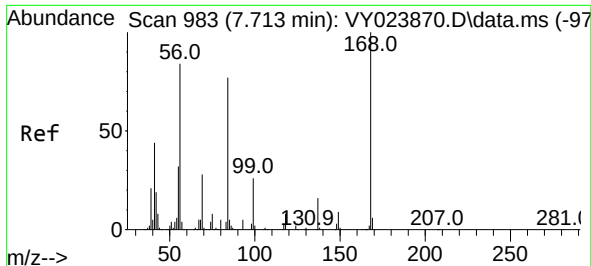
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VY1204SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1204SBL01

Quant Time: Dec 05 01:40:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120325S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 04 03:49:13 2025  
Response via : Initial Calibration

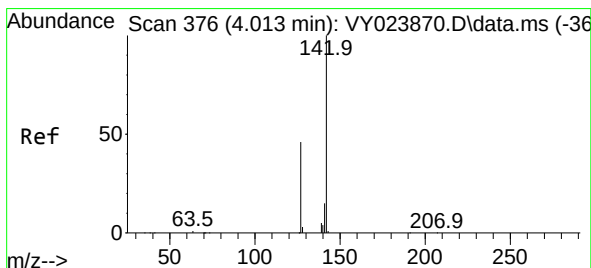
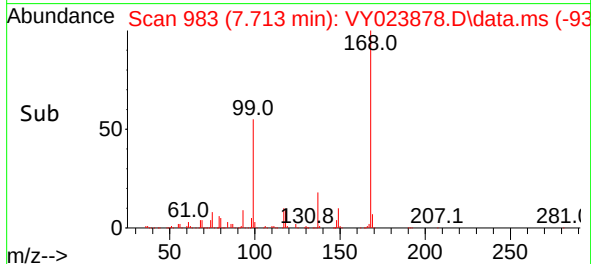
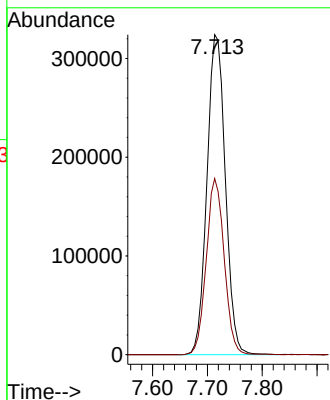
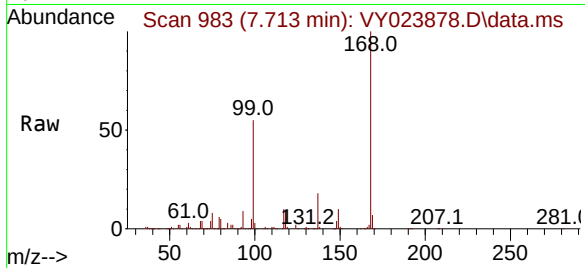




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY023878.D  
Acq: 04 Dec 2025 08:40

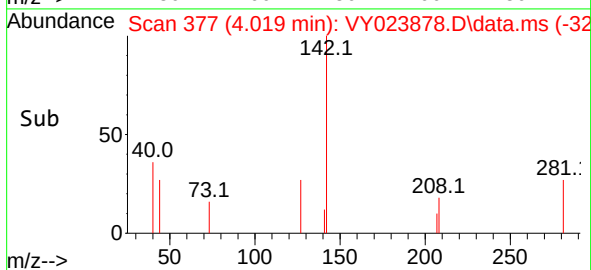
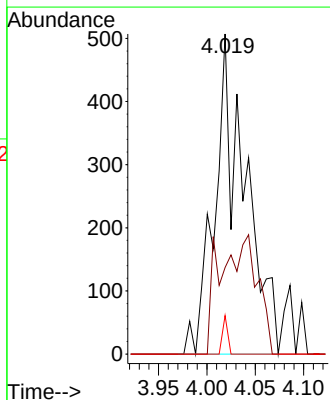
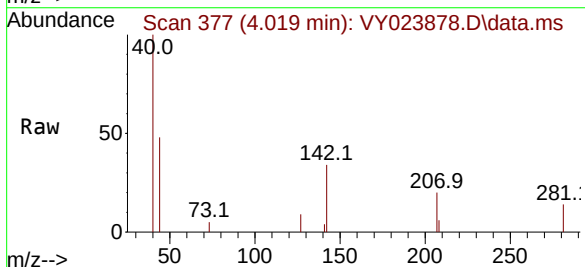
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1204SBL01

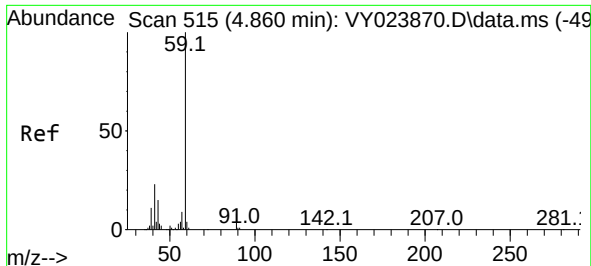
Tgt Ion:168 Resp: 753303  
Ion Ratio Lower Upper  
168 100  
99 55.1 42.5 63.7



#10  
Methyl Iodide  
Concen: 2.563 ug/l  
RT: 4.019 min Scan# 377  
Delta R.T. 0.006 min  
Lab File: VY023878.D  
Acq: 04 Dec 2025 08:40

Tgt Ion:142 Resp: 1112  
Ion Ratio Lower Upper  
142 100  
127 0.0 36.1 54.1#  
141 2.0 11.8 17.8#

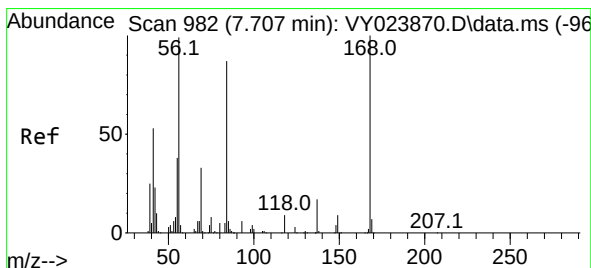
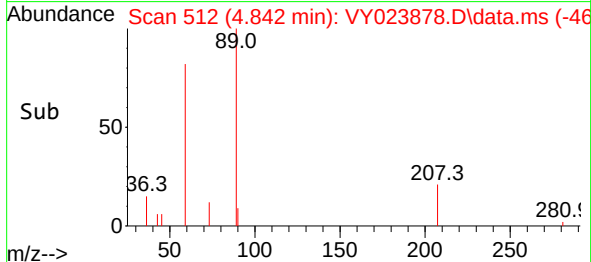
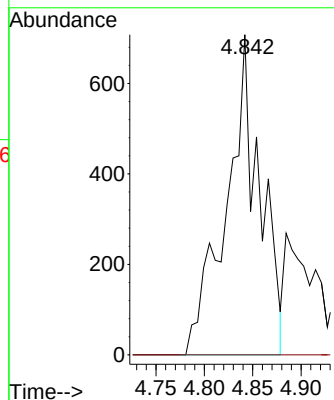
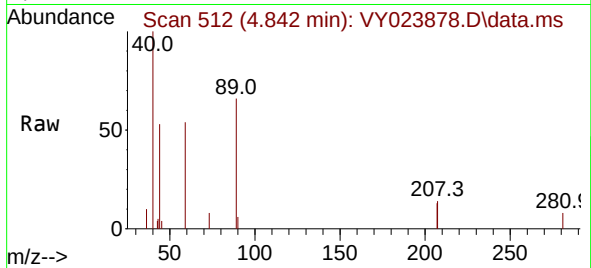




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.842 min Scan# 51  
Delta R.T. -0.018 min  
Lab File: VY023878.D  
Acq: 04 Dec 2025 08:40

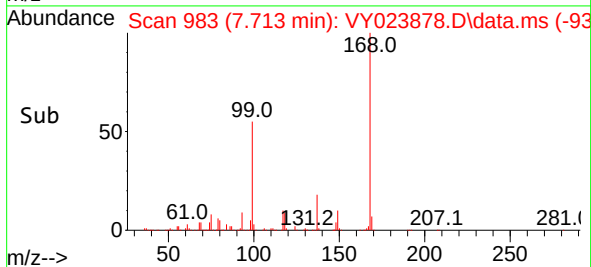
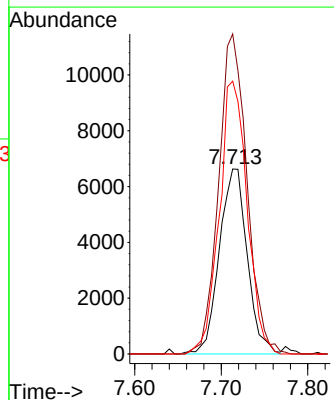
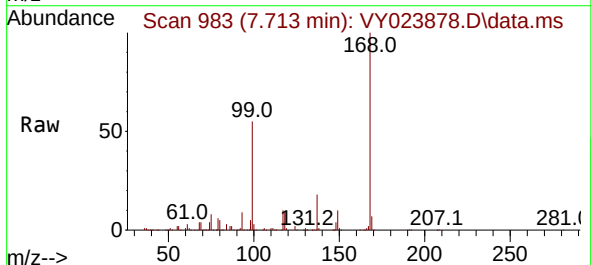
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1204SBL01

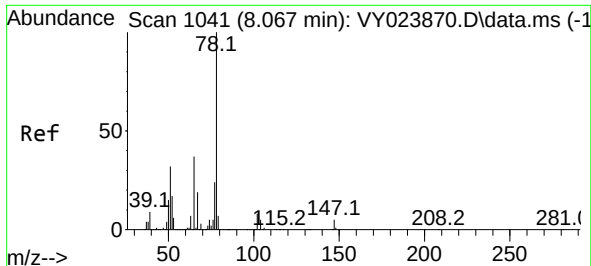
Tgt Ion: 59 Resp: 1710  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#



#31  
Cyclohexane  
Concen: 1.051 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.006 min  
Lab File: VY023878.D  
Acq: 04 Dec 2025 08:40

Tgt Ion: 56 Resp: 14832  
Ion Ratio Lower Upper  
56 100  
69 173.0 26.8 40.2#  
84 147.5 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 57.031 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY023878.D

Acq: 04 Dec 2025 08:40

Instrument :

MSVOA\_Y

ClientSampleId :

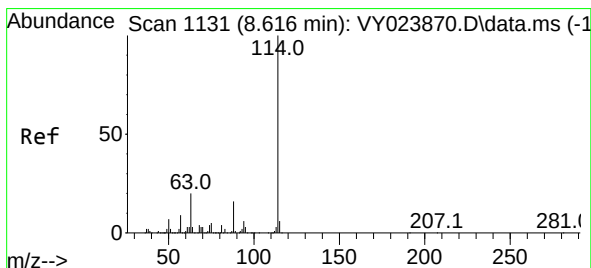
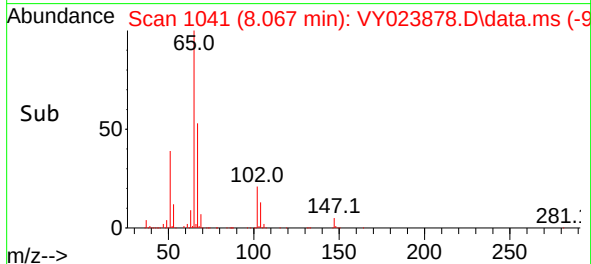
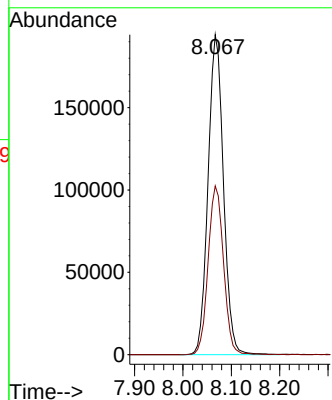
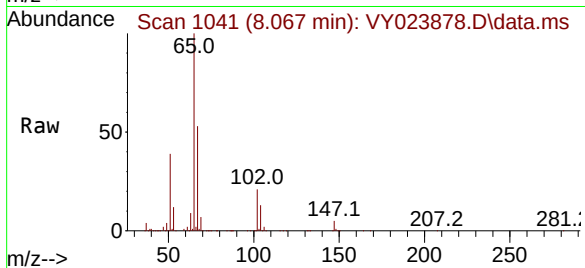
VY1204SBL01

Tgt Ion: 65 Resp: 429775

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023878.D

Acq: 04 Dec 2025 08:40

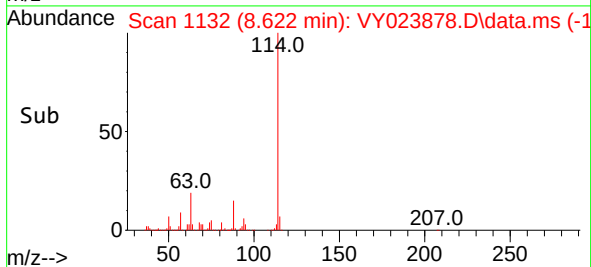
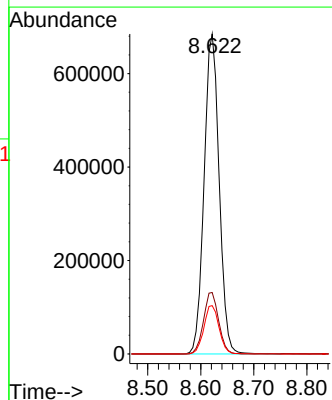
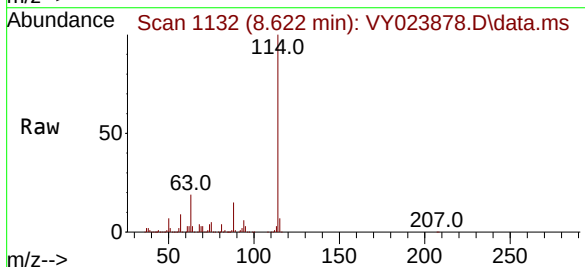
Tgt Ion:114 Resp: 1347495

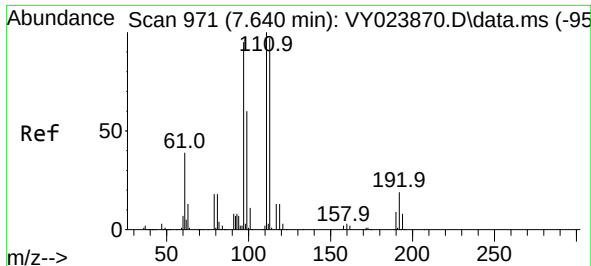
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

88 15.1 0.0 31.4

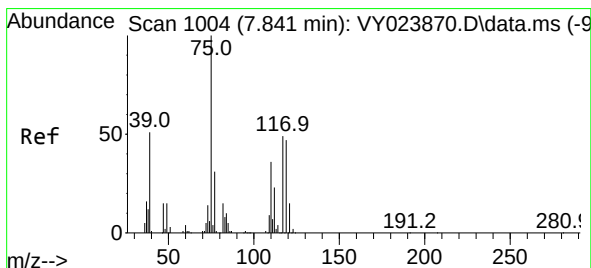
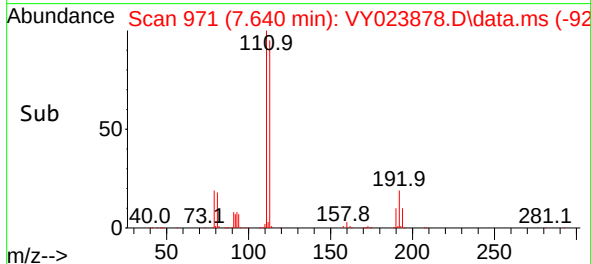
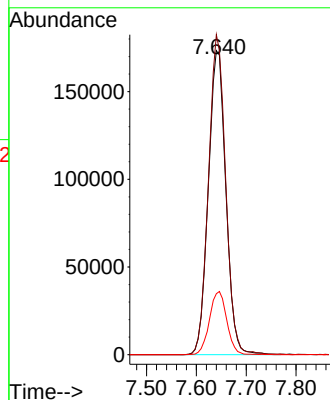
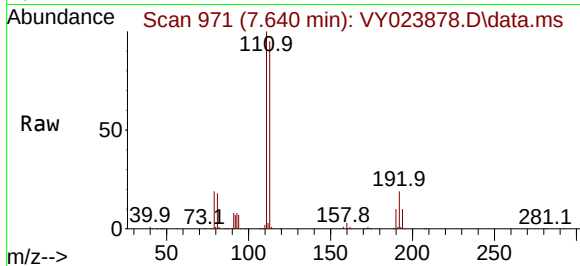




#35  
Dibromofluoromethane  
Concen: 49.075 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY023878.D  
Acq: 04 Dec 2025 08:40

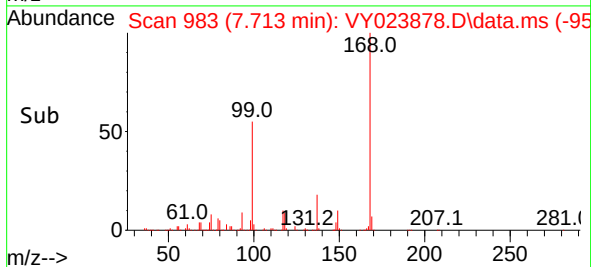
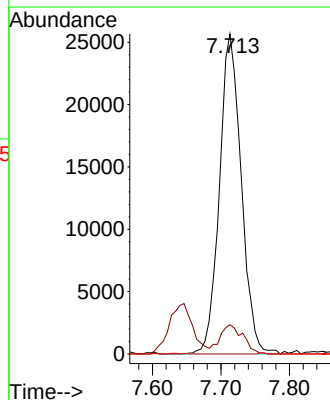
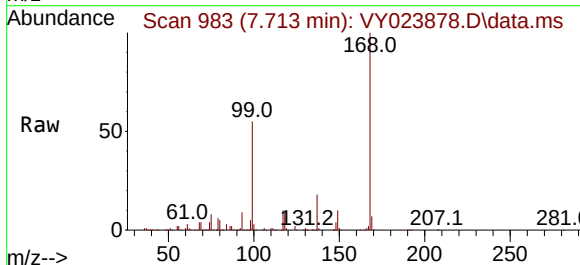
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1204SBL01

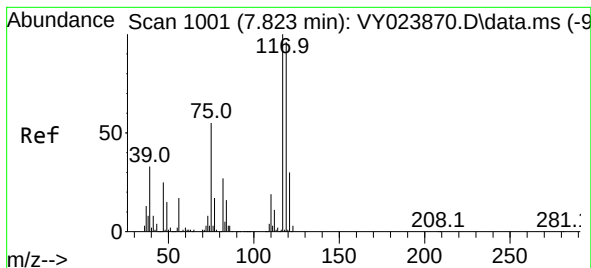
Tgt Ion:113 Resp: 424127  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.2 123.2  
192 20.5 15.8 23.8



#36  
1,1-Dichloropropene  
Concen: 4.446 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.128 min  
Lab File: VY023878.D  
Acq: 04 Dec 2025 08:40

Tgt Ion: 75 Resp: 56654  
Ion Ratio Lower Upper  
75 100  
110 9.7 17.6 52.9#  
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.190 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY023878.D

Acq: 04 Dec 2025 08:40

Instrument :

MSVOA\_Y

ClientSampleId :

VY1204SBL01

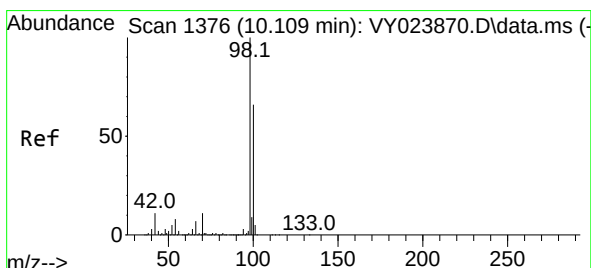
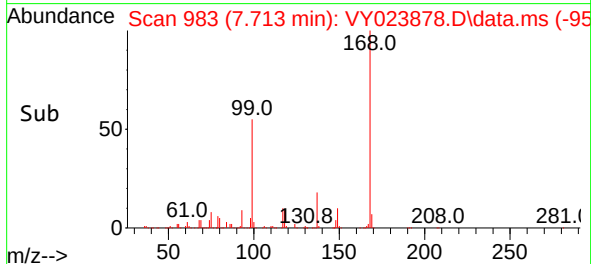
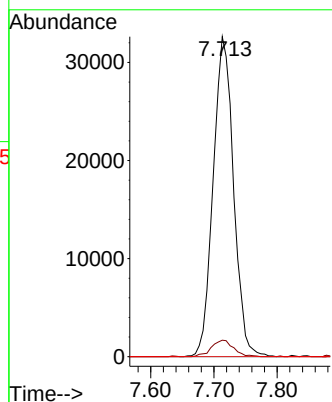
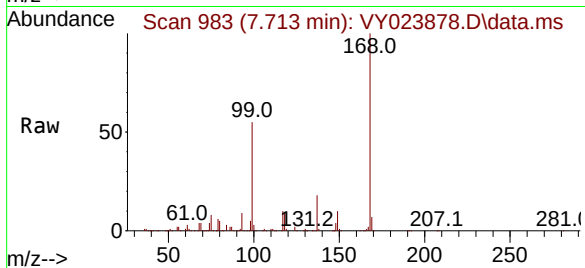
Tgt Ion:117 Resp: 72999

Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 46.882 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY023878.D

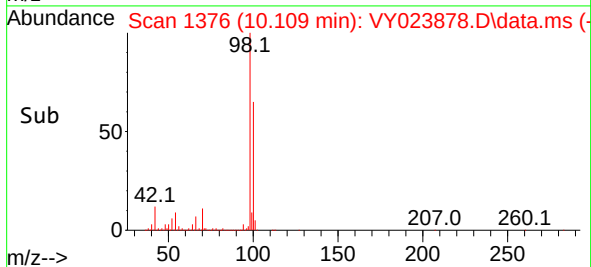
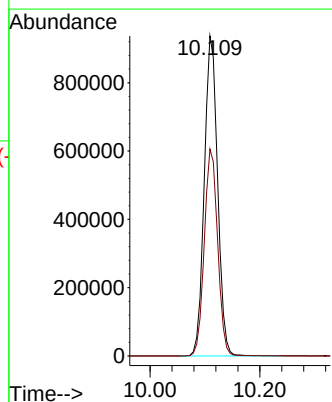
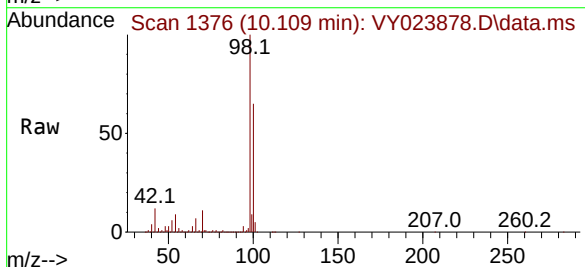
Acq: 04 Dec 2025 08:40

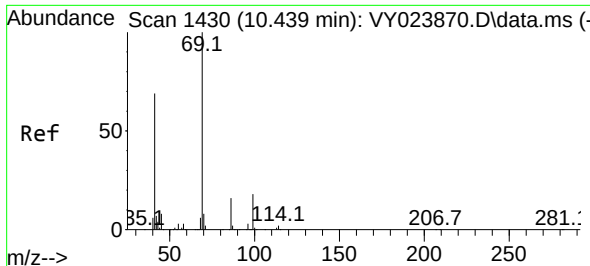
Tgt Ion: 98 Resp: 1576715

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7

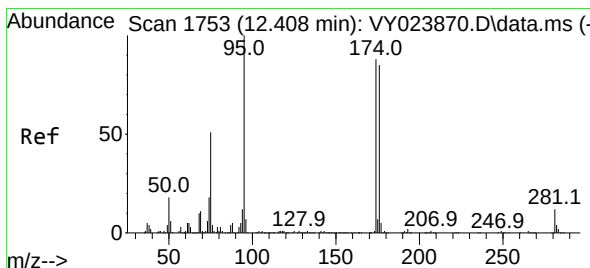
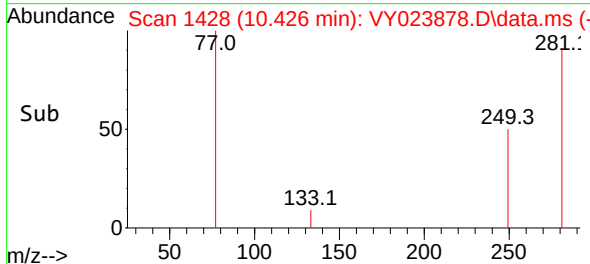
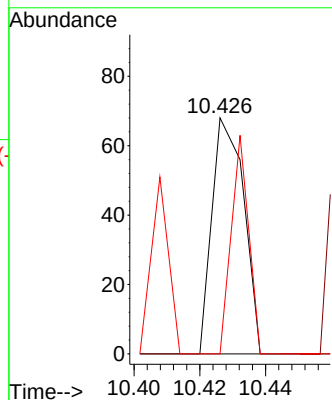
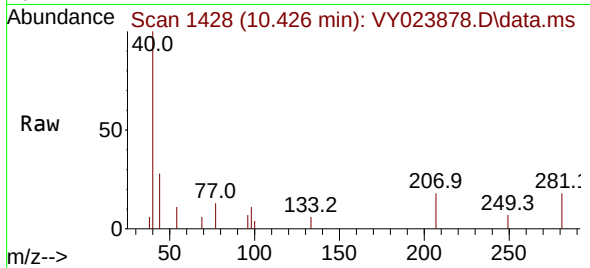




#56  
Ethyl methacrylate  
Concen: 4.155 ug/l  
RT: 10.426 min Scan# 1430  
Delta R.T. -0.012 min  
Lab File: VY023878.D  
Acq: 04 Dec 2025 08:40

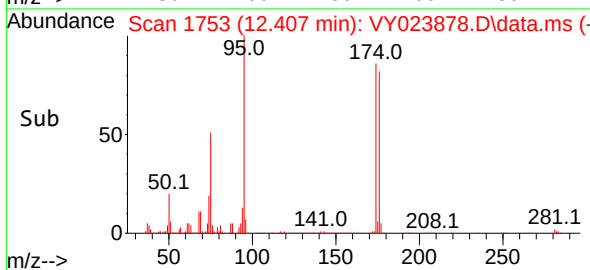
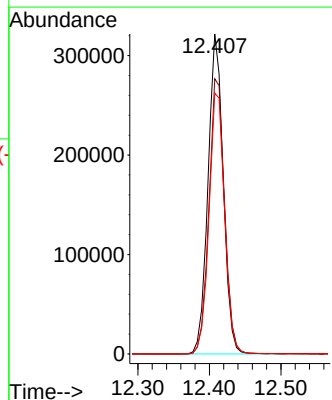
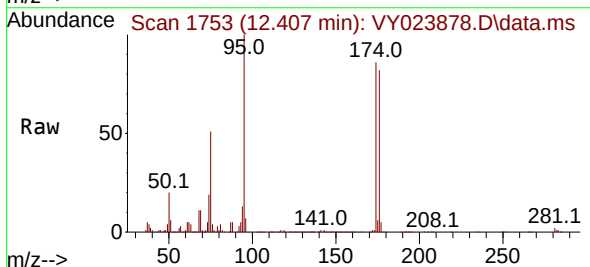
Instrument :  
MSVOA\_Y  
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VY1204SBL01

Tgt Ion: 69 Resp: 45  
Ion Ratio Lower Upper  
69 100  
41 0.0 52.5 78.7#  
39 51.1 27.1 40.7#

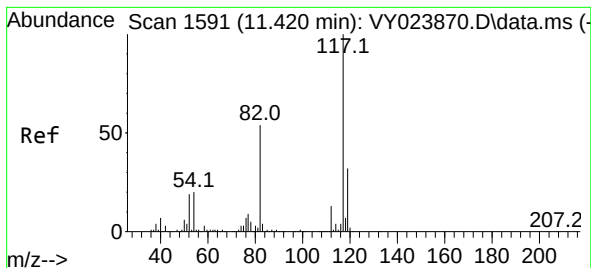


#62  
4-Bromofluorobenzene  
Concen: 41.411 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY023878.D  
Acq: 04 Dec 2025 08:40

Tgt Ion: 95 Resp: 475025  
Ion Ratio Lower Upper  
95 100  
174 88.7 0.0 169.6  
176 84.0 0.0 164.4







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023878.D

Acq: 04 Dec 2025 08:40

Instrument :

MSVOA\_Y

ClientSampleId :

VY1204SBL01

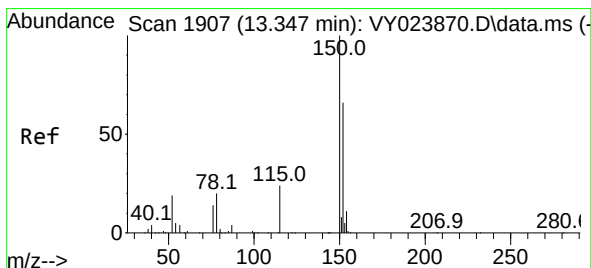
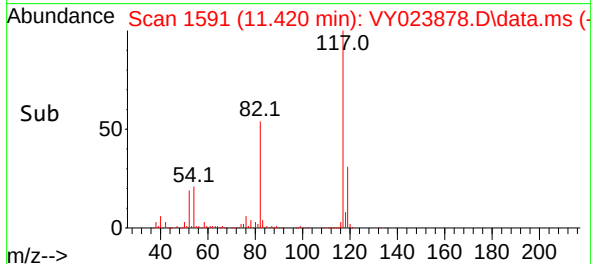
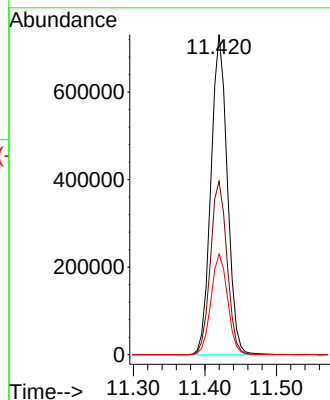
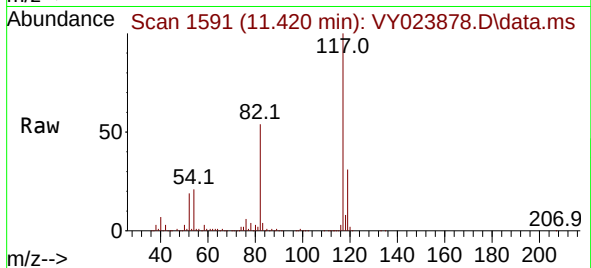
Tgt Ion:117 Resp: 1163906

Ion Ratio Lower Upper

117 100

82 54.2 43.1 64.7

119 31.5 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023878.D

Acq: 04 Dec 2025 08:40

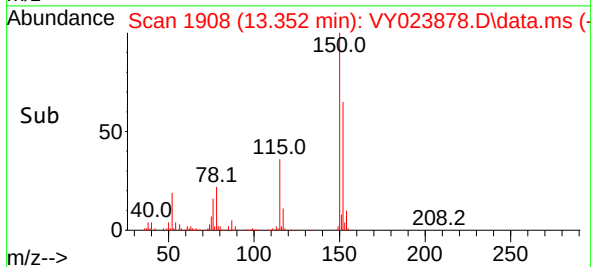
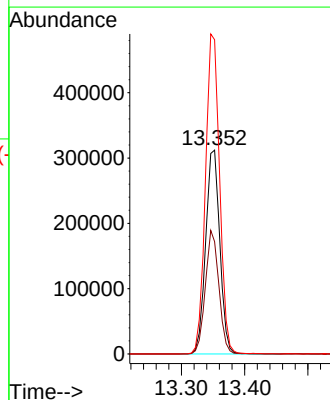
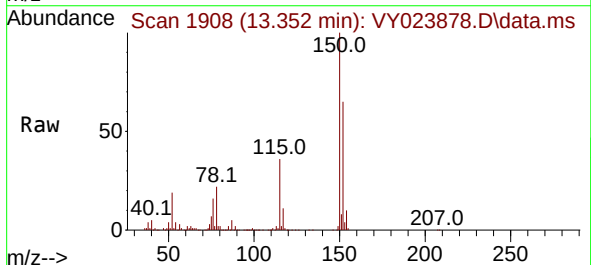
Tgt Ion:152 Resp: 486950

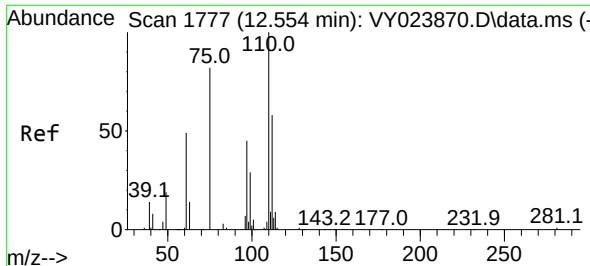
Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.4

150 156.3 0.0 352.2

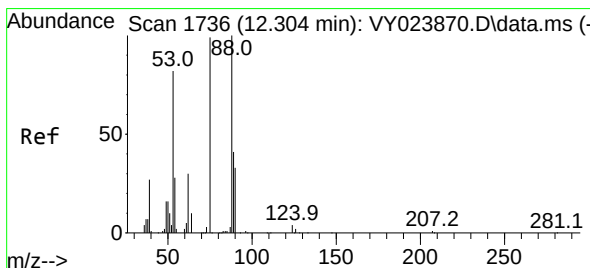
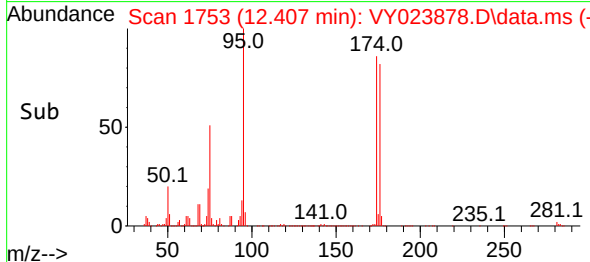
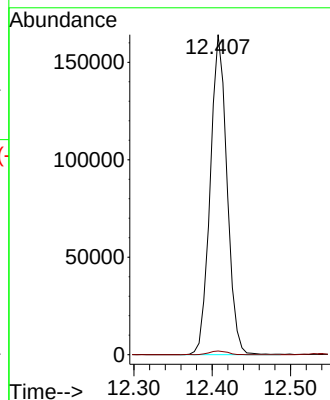
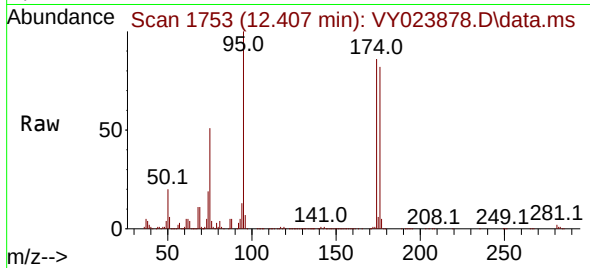




#76  
1,2,3-Trichloropropane  
Concen: 50.637 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.147 min  
Lab File: VY023878.D  
Acq: 04 Dec 2025 08:40

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1204SBL01

Tgt Ion: 75 Resp: 244449  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 121.280 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.103 min  
Lab File: VY023878.D  
Acq: 04 Dec 2025 08:40

Tgt Ion: 75 Resp: 244449  
Ion Ratio Lower Upper  
75 100  
53 0.2 71.1 106.7#  
89 0.0 36.3 54.5#

