

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022825\  
 Data File : VY021389.D  
 Acq On : 28 Feb 2025 18:38  
 Operator : SY/MD  
 Sample : Q1463-01  
 Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 T1

Quant Time: Feb 28 22:23:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022525S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 26 02:09:13 2025  
 Response via : Initial Calibration

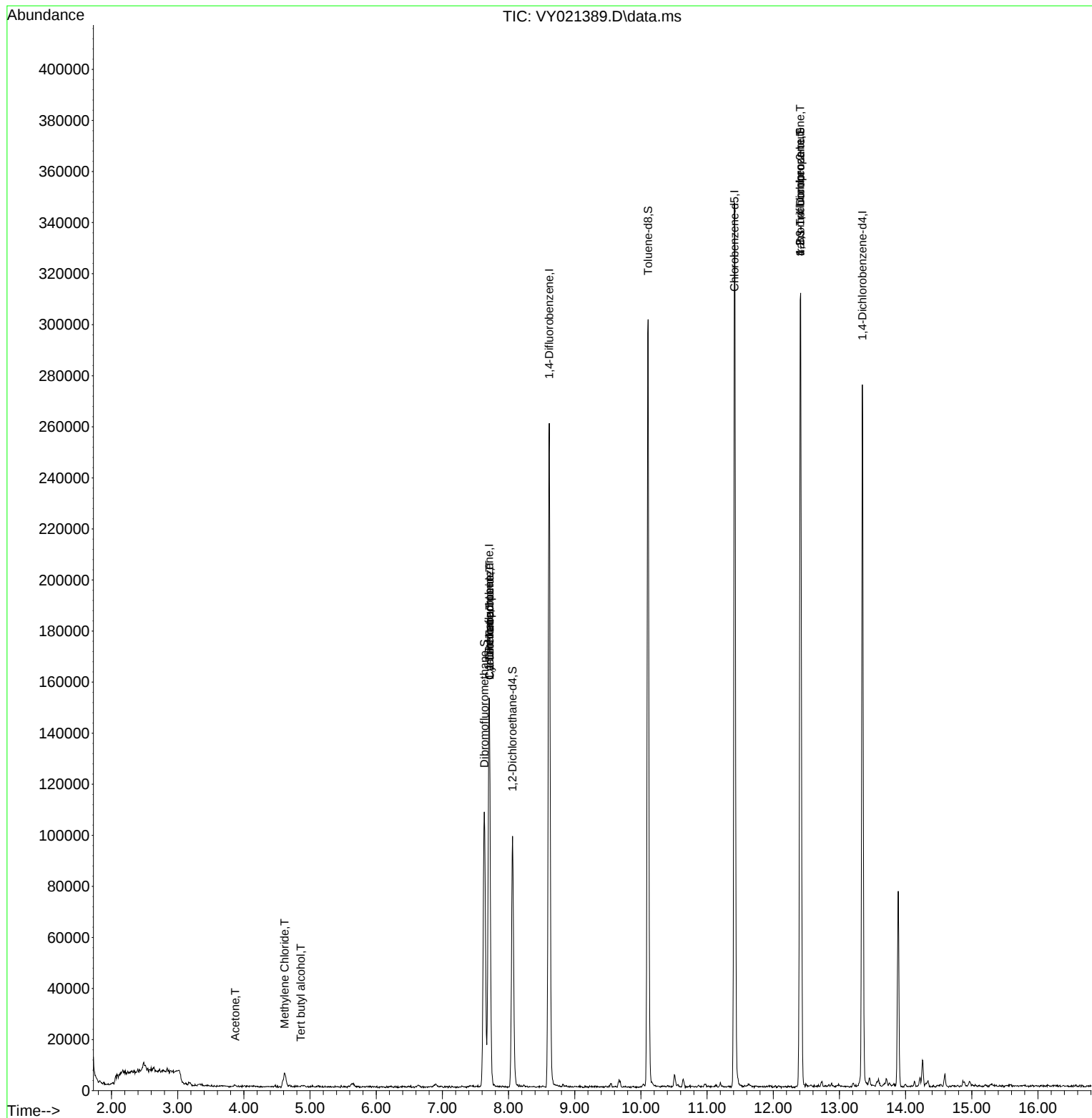
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 116223   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.615     | 114   | 210275   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 179550   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 66737    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 76620    | 58.114   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 116.220% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 75185    | 54.538   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 109.080% |          |
| 50) Toluene-d8                | 10.109    | 98    | 195728   | 36.737   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 73.480%  |          |
| 62) 4-Bromofluorobenzene      | 12.407    | 95    | 72623    | 40.502   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 81.000%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.860     | 59    | 124      | 1.223    | ug/l #     | 72       |
| 16) Acetone                   | 3.872     | 43    | 898      | 3.551    | ug/l       | 92       |
| 20) Methylene Chloride        | 4.616     | 84    | 3687     | 2.696    | ug/l #     | 74       |
| 31) Cyclohexane               | 7.713     | 56    | 2659     | 1.144    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.713     | 75    | 9970     | 4.815    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.713     | 117   | 12395    | 5.324    | ug/l #     | 14       |
| 76) 1,2,3-Trichloropropane    | 12.407    | 75    | 41034    | 61.428   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407    | 75    | 41034    | 136.532  | ug/l #     | 11       |
| -----                         |           |       |          |          |            |          |

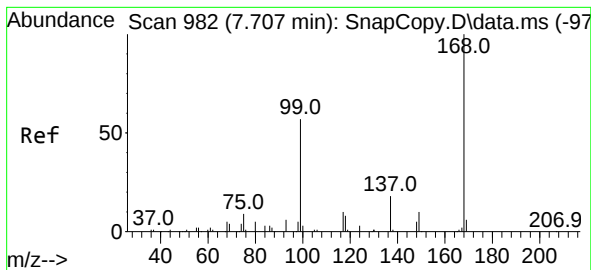
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Feb 26 02:09:13 2025  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021389.D

Acq: 28 Feb 2025 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

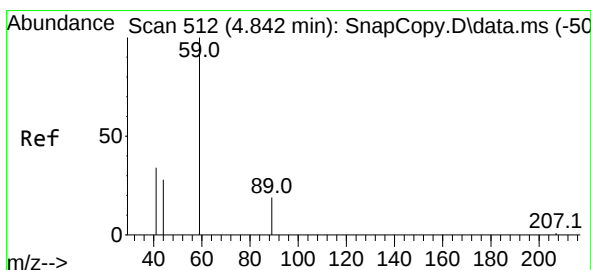
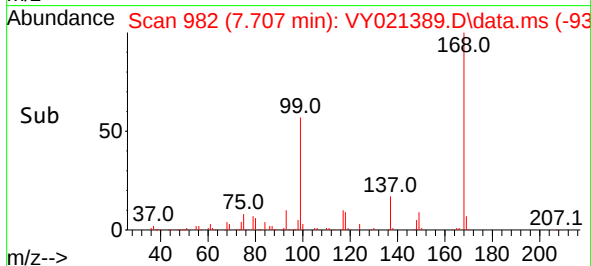
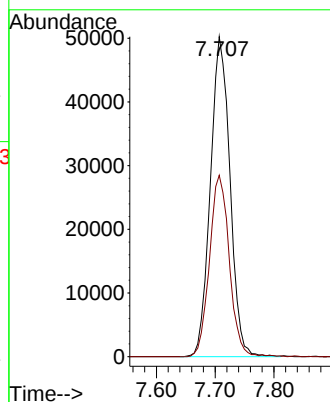
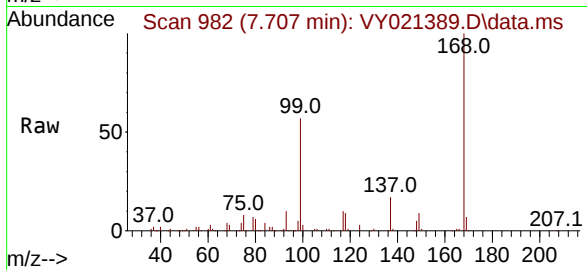
T1

Tgt Ion:168 Resp: 116223

Ion Ratio Lower Upper

168 100

99 56.7 47.1 70.7



#11

Tert butyl alcohol

Concen: 1.223 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY021389.D

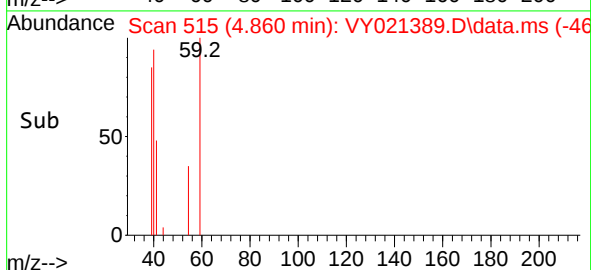
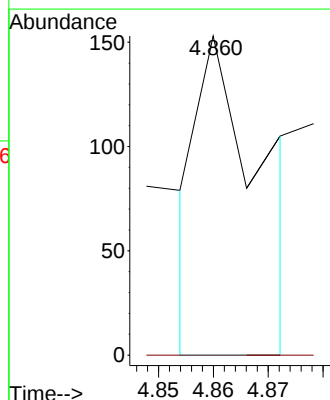
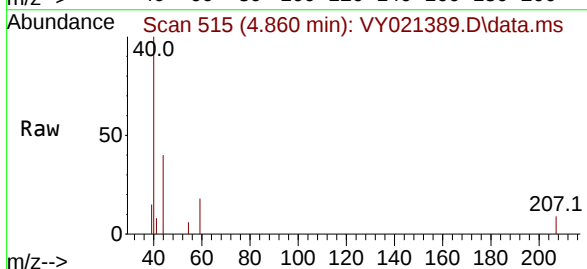
Acq: 28 Feb 2025 18:38

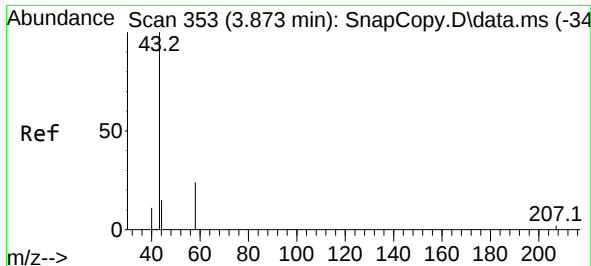
Tgt Ion: 59 Resp: 124

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

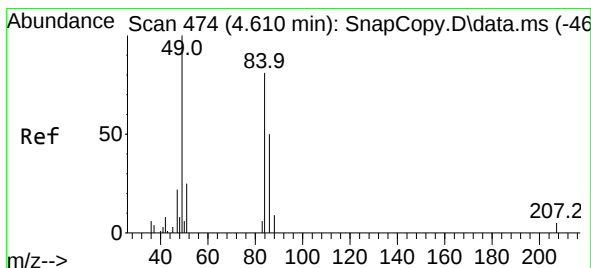
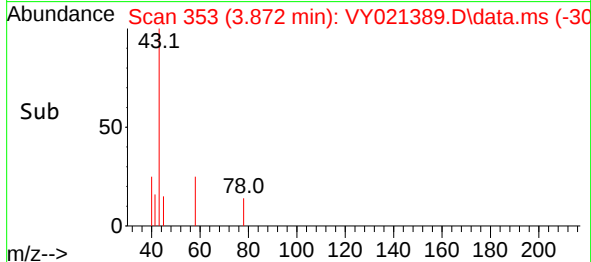
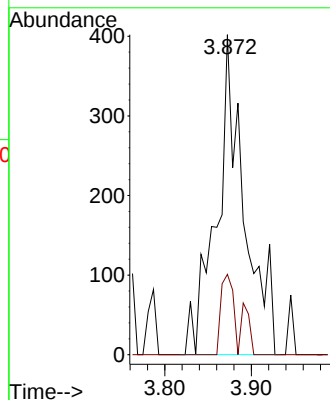
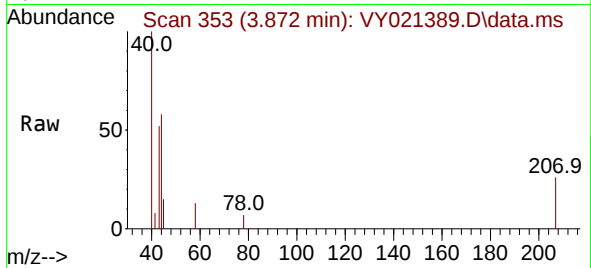




#16  
Acetone  
Concen: 3.551 ug/l  
RT: 3.872 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

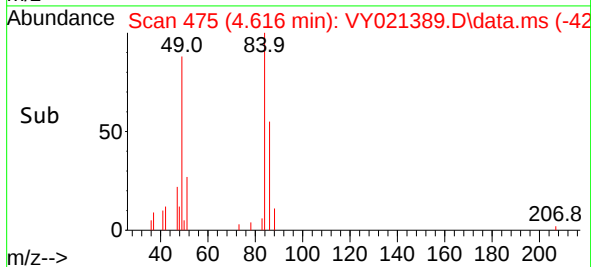
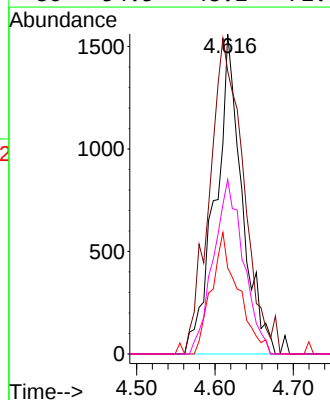
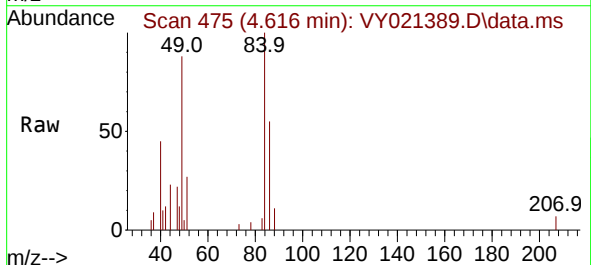
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T1

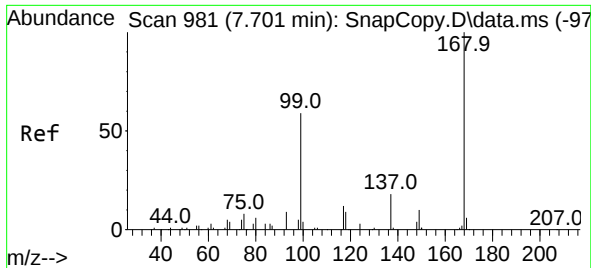
Tgt Ion: 43 Resp: 898  
Ion Ratio Lower Upper  
43 100  
58 25.1 23.5 35.3



#20  
Methylene Chloride  
Concen: 2.696 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

Tgt Ion: 84 Resp: 3687  
Ion Ratio Lower Upper  
84 100  
49 88.3 105.1 157.7#  
51 26.8 31.0 46.4#  
86 54.5 48.2 72.4

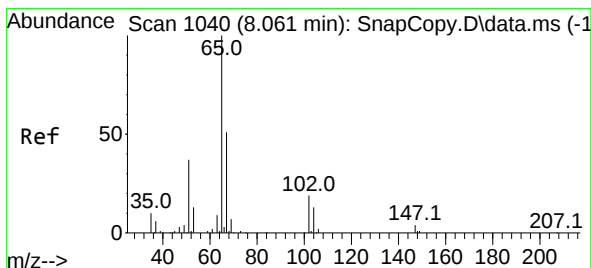
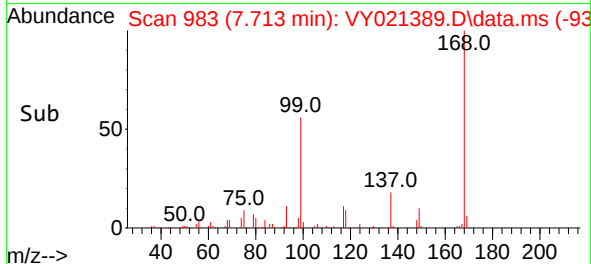
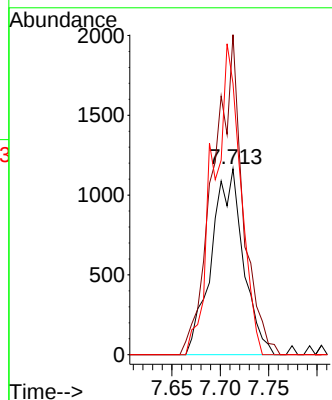
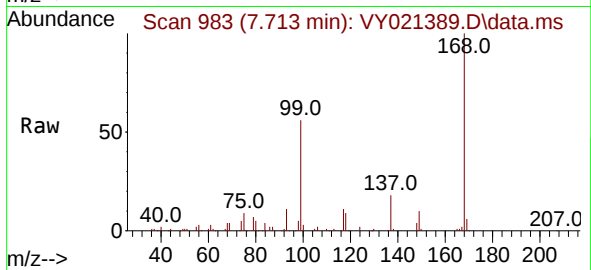




#31  
Cyclohexane  
Concen: 1.144 ug/l  
RT: 7.713 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

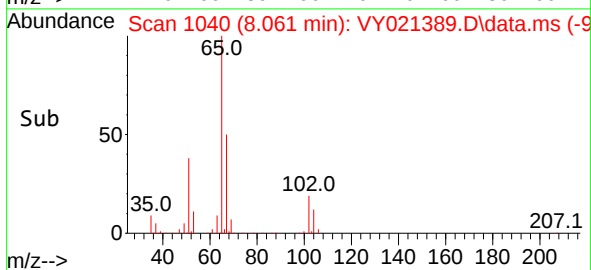
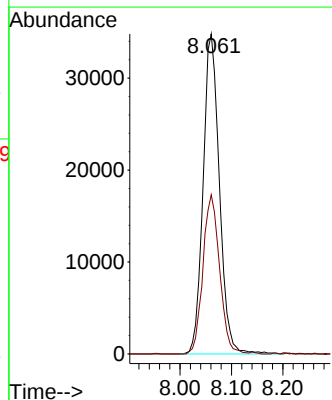
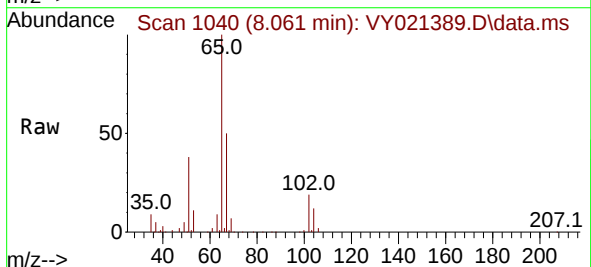
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T1

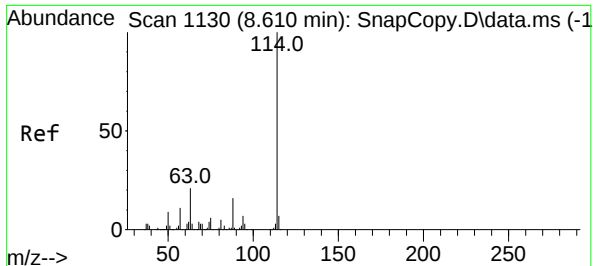
Tgt Ion: 56 Resp: 2659  
Ion Ratio Lower Upper  
56 100  
69 172.1 26.2 39.4#  
84 145.8 70.2 105.4#



#33  
1,2-Dichloroethane-d4  
Concen: 58.114 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

Tgt Ion: 65 Resp: 76620  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 103.6

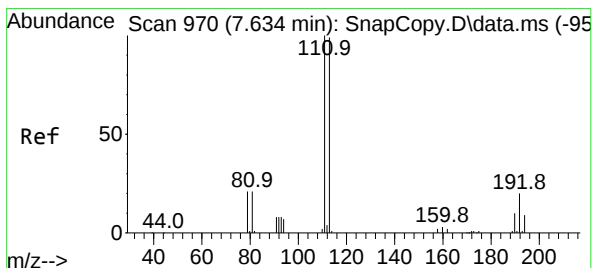
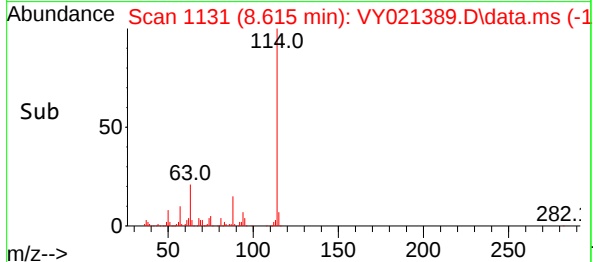
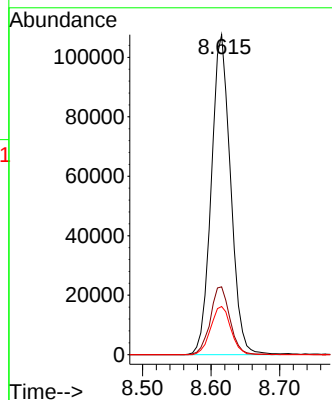
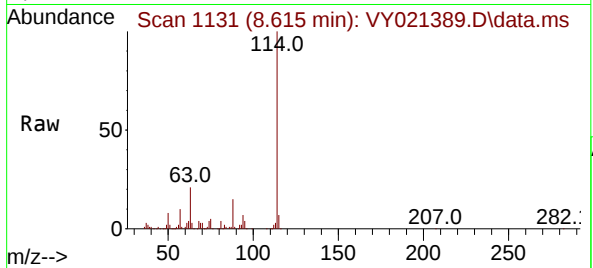




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

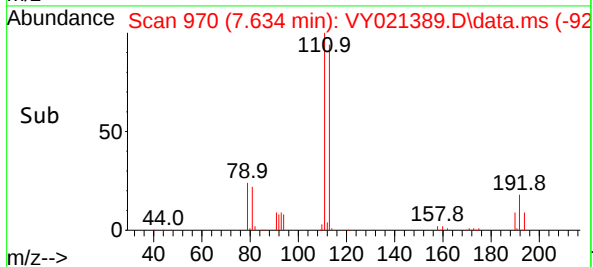
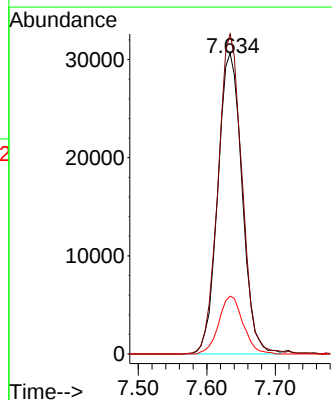
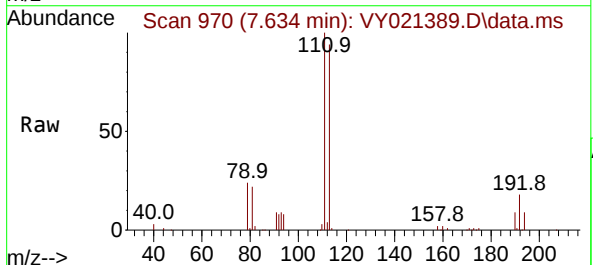
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T1

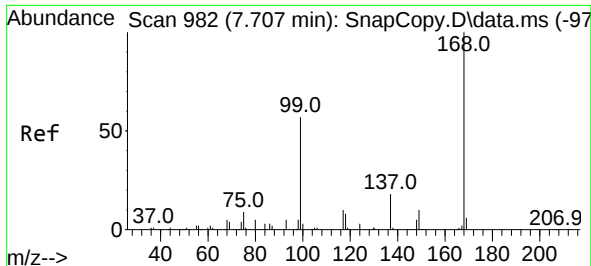
Tgt Ion:114 Resp: 210275  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 42.2  
88 15.0 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 54.538 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

Tgt Ion:113 Resp: 75185  
Ion Ratio Lower Upper  
113 100  
111 105.1 81.0 121.6  
192 19.2 15.8 23.8

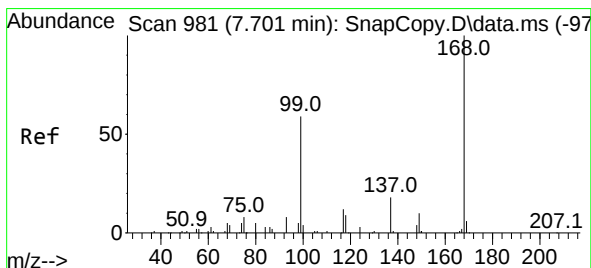
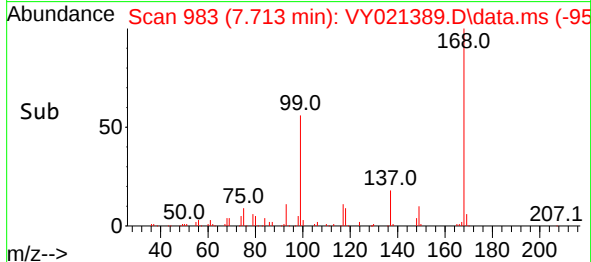
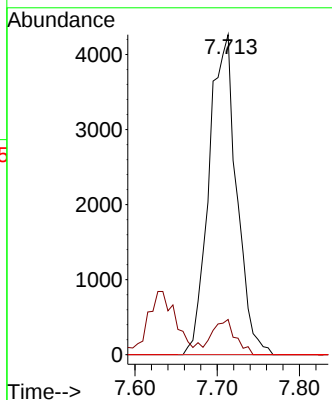
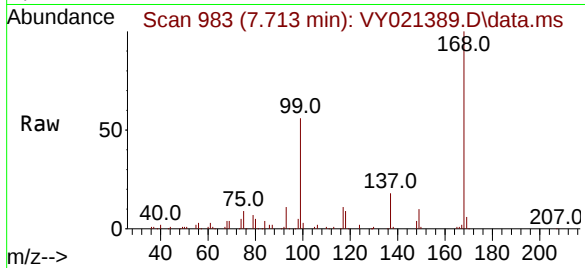




#36  
 1,1-Dichloropropene  
 Concen: 4.815 ug/l  
 RT: 7.713 min Scan# 983  
 Delta R.T. -0.122 min  
 Lab File: VY021389.D  
 Acq: 28 Feb 2025 18:38

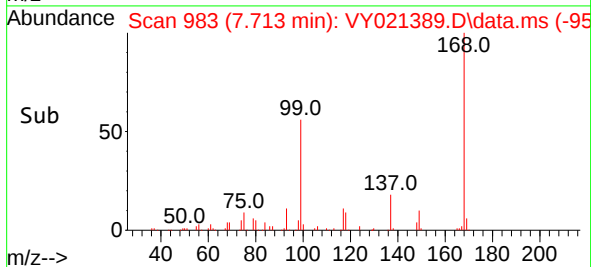
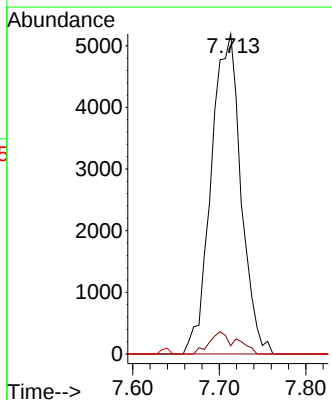
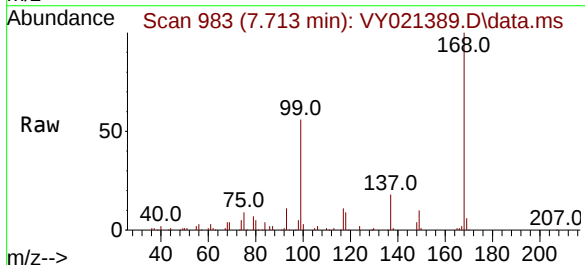
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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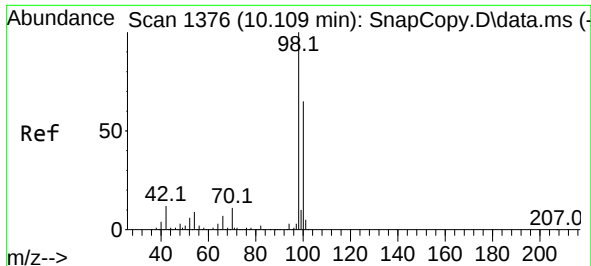
Tgt Ion: 75 Resp: 9970  
 Ion Ratio Lower Upper  
 75 100  
 110 9.0 16.9 50.7#  
 77 0.0 24.6 36.8#



#38  
 Carbon Tetrachloride  
 Concen: 5.324 ug/l  
 RT: 7.713 min Scan# 983  
 Delta R.T. -0.104 min  
 Lab File: VY021389.D  
 Acq: 28 Feb 2025 18:38

Tgt Ion: 117 Resp: 12395  
 Ion Ratio Lower Upper  
 117 100  
 119 2.5 76.0 114.0#  
 121 0.0 24.9 37.3#

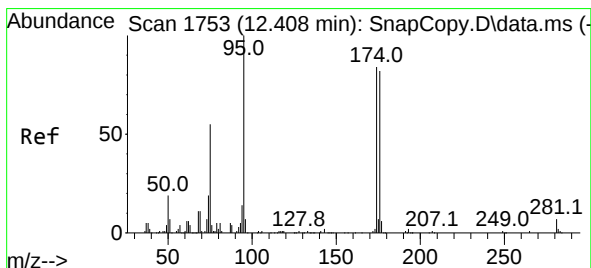
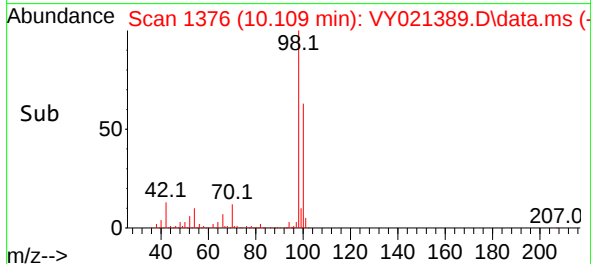
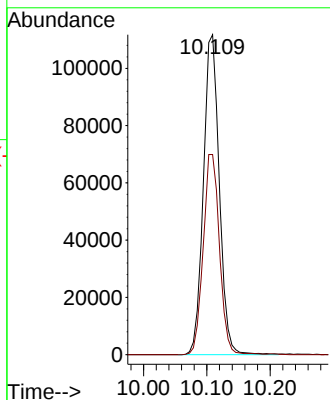
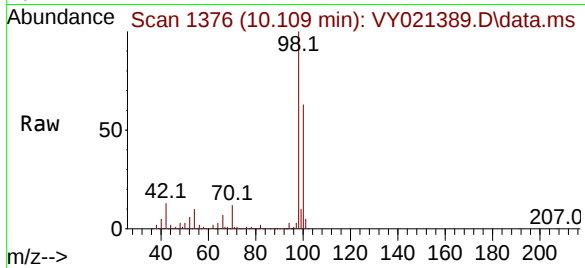




#50  
Toluene-d8  
Concen: 36.737 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

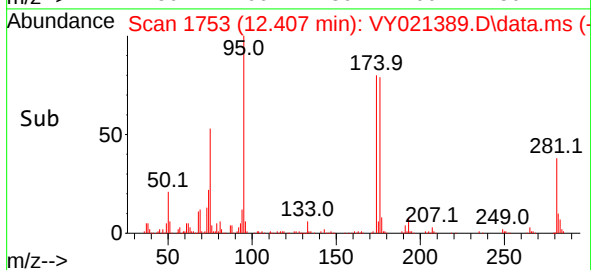
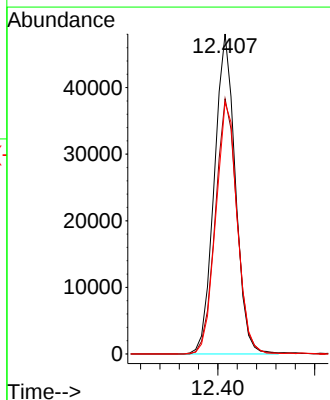
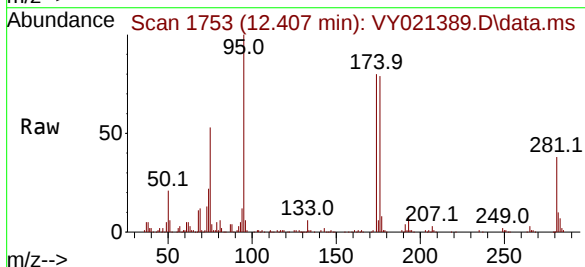
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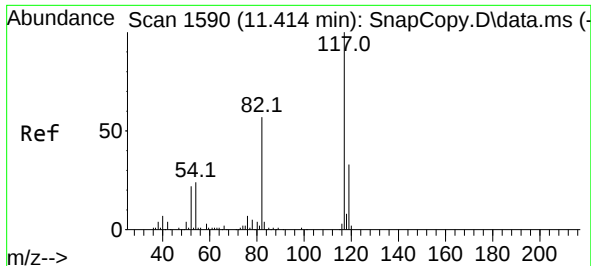
Tgt Ion: 98 Resp: 195728  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 40.502 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

Tgt Ion: 95 Resp: 72623  
Ion Ratio Lower Upper  
95 100  
174 82.0 0.0 168.0  
176 80.1 0.0 162.6

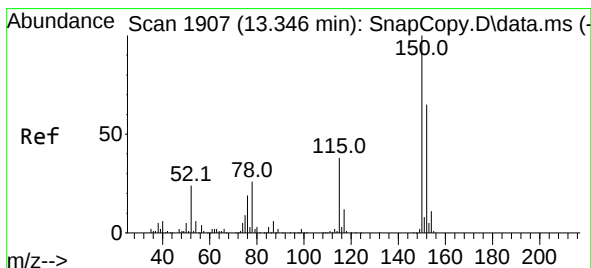
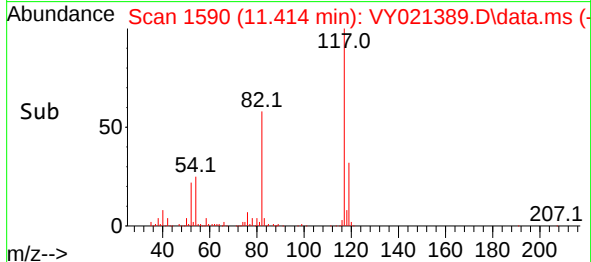
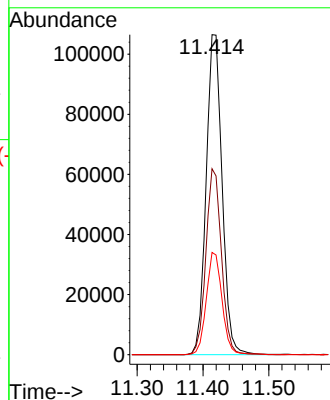
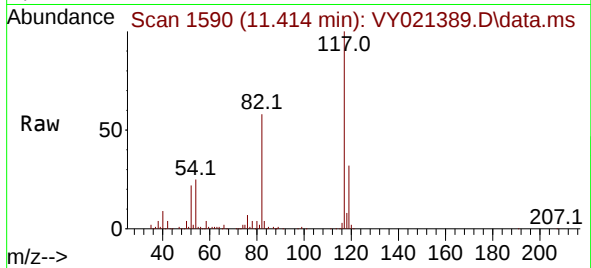




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

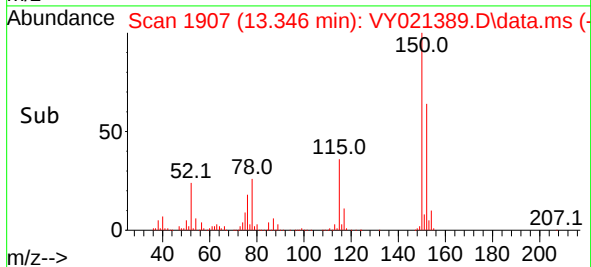
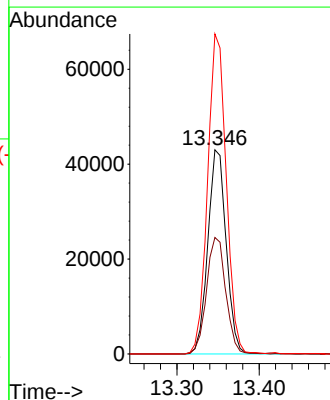
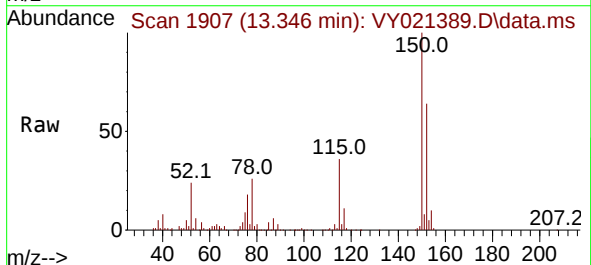
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T1

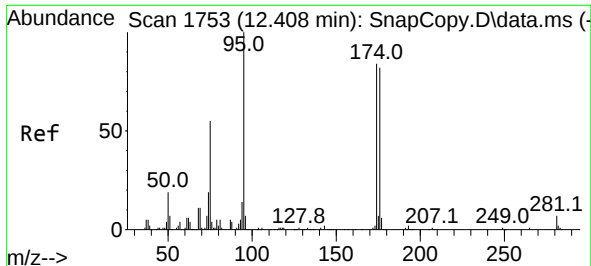
Tgt Ion:117 Resp: 179550  
Ion Ratio Lower Upper  
117 100  
82 58.1 46.2 69.4  
119 32.0 24.9 37.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

Tgt Ion:152 Resp: 66737  
Ion Ratio Lower Upper  
152 100  
115 59.8 29.3 88.0  
150 158.4 0.0 347.4

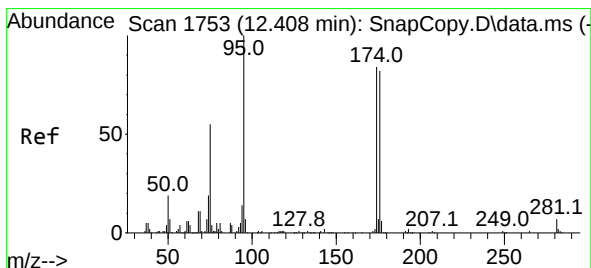
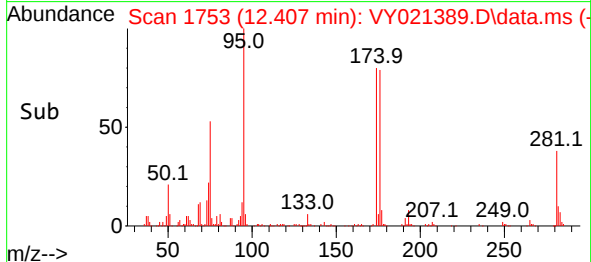
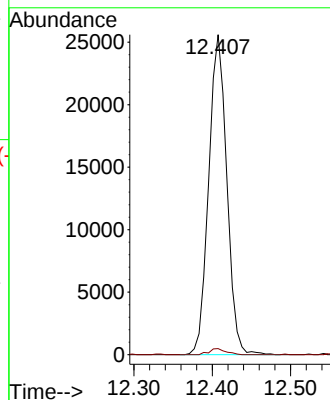
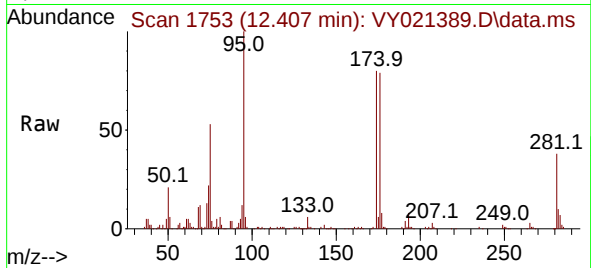




#76  
1,2,3-Trichloropropane  
Concen: 61.428 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.153 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
T1

Tgt Ion: 75 Resp: 41034  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 136.532 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY021389.D  
Acq: 28 Feb 2025 18:38

Tgt Ion: 75 Resp: 41034  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.1 118.7#  
89 1.2 35.6 53.4#

