

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023502.D
 Acq On : 20 Oct 2025 12:31
 Operator : SY/MD
 Sample : Q3374-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 21 03:57:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

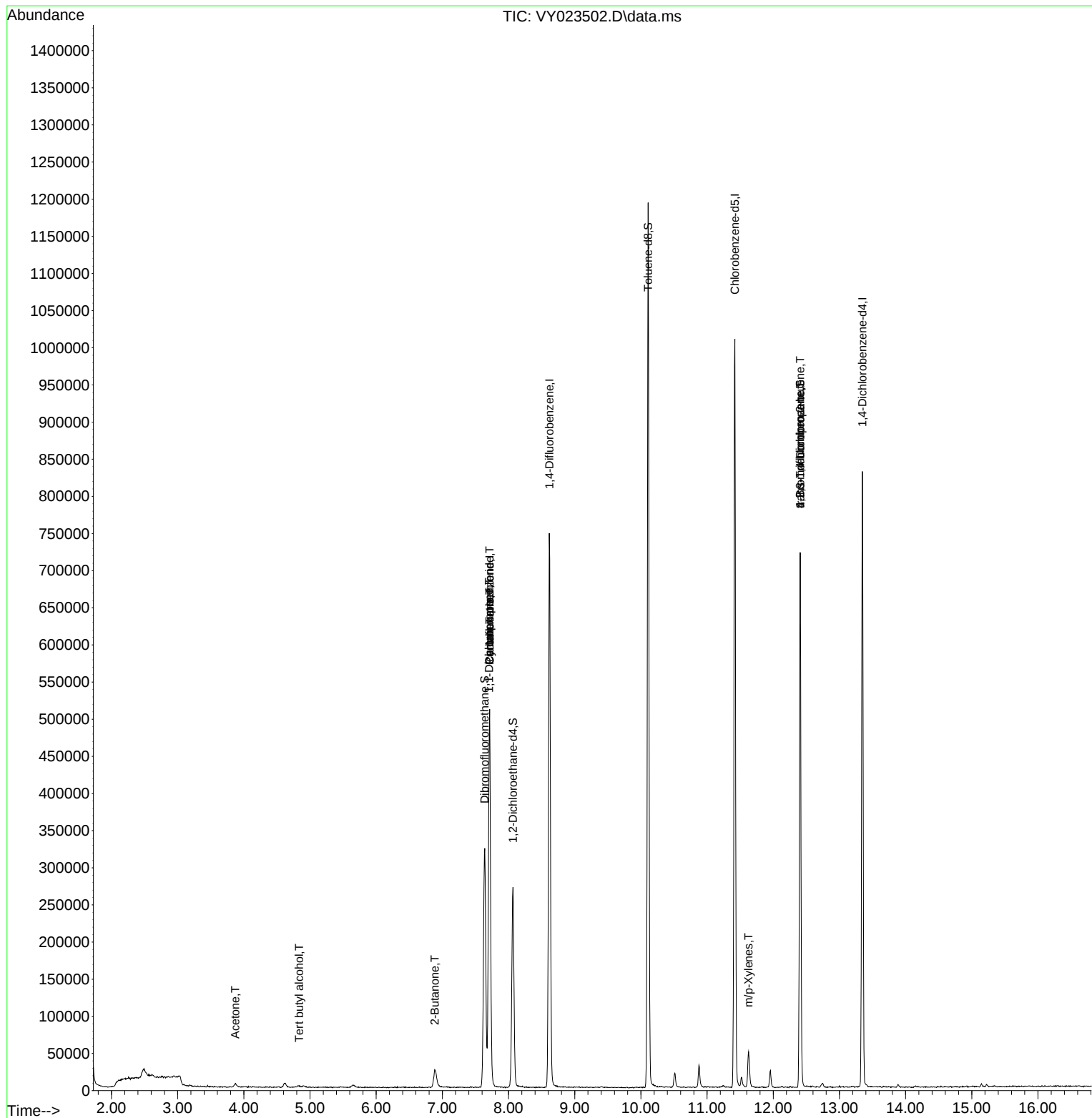
Internal Standards						
1) Pentafluorobenzene	7.713	168	419121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	683101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	580900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	224366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	206644	58.961	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.920%	
35) Dibromofluoromethane	7.640	113	231847	55.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.480%	
50) Toluene-d8	10.109	98	771058	49.328	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.660%	
62) 4-Bromofluorobenzene	12.408	95	207406	40.190	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.380%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.836	59	1599	6.133	ug/l #	83
16) Acetone	3.873	43	7749	9.287	ug/l #	85
25) 2-Butanone	6.884	43	1371	1.346	ug/l #	73
31) Cyclohexane	7.713	56	6888	1.181	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	28255	5.085	ug/l #	48
38) Carbon Tetrachloride	7.713	117	37386	5.549	ug/l #	16
68) m/p-Xylenes	11.627	106	15614	1.903	ug/l	100
76) 1,2,3-Trichloropropane	12.408	75	103038	52.052	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	103038	127.642	ug/l #	15

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
Data File : VY023502.D
Acq On : 20 Oct 2025 12:31
Operator : SY/MD
Sample : Q3374-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 21 03:57:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

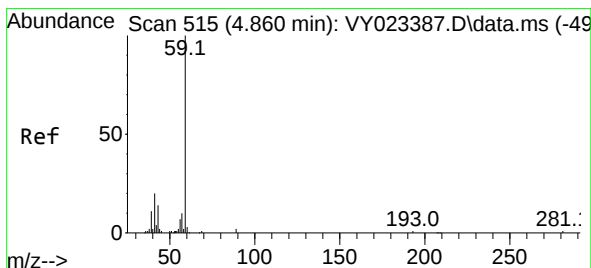
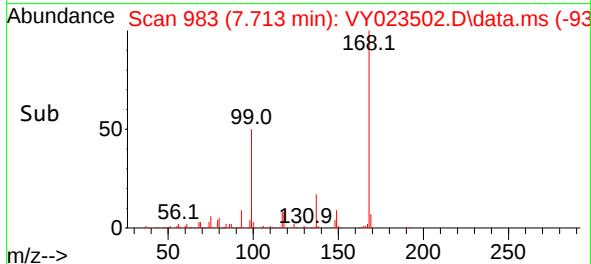
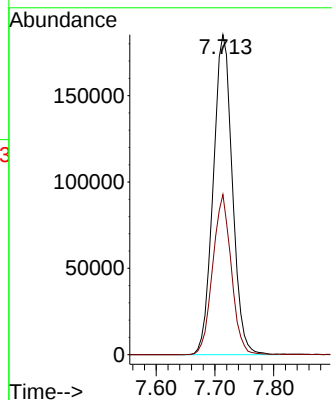
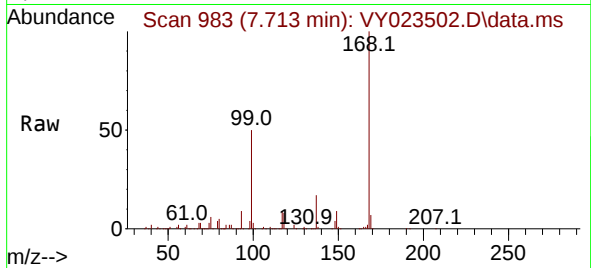




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

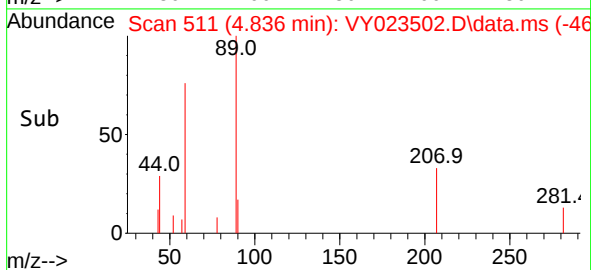
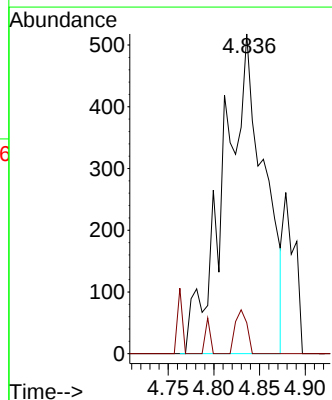
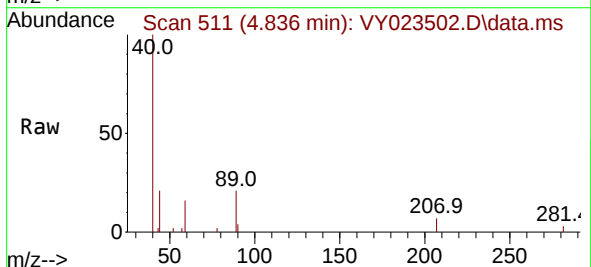
Instrument :
MSVOA_Y
ClientSampleId :

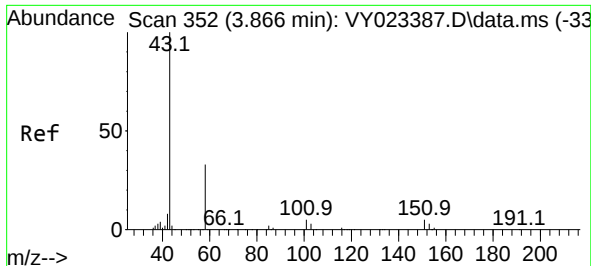
Tgt Ion:168 Resp: 419121
Ion Ratio Lower Upper
168 100
99 50.1 39.7 59.5



#11
Tert butyl alcohol
Concen: 6.133 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

Tgt Ion: 59 Resp: 1599
Ion Ratio Lower Upper
59 100
57 3.9 8.3 12.5#

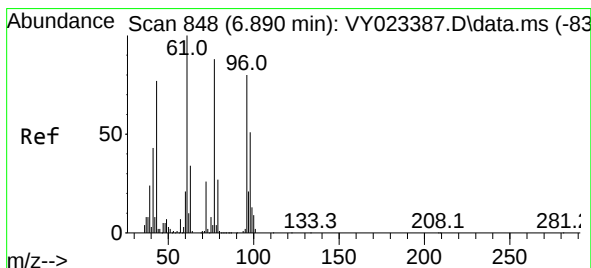
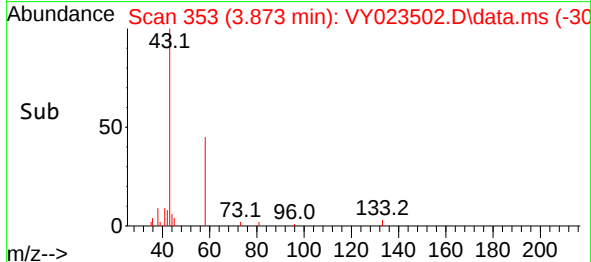
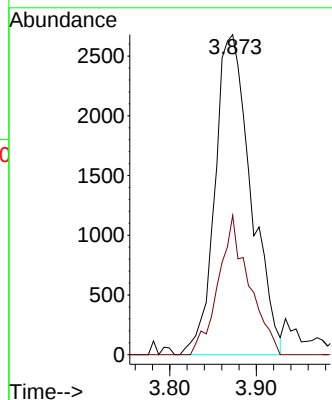
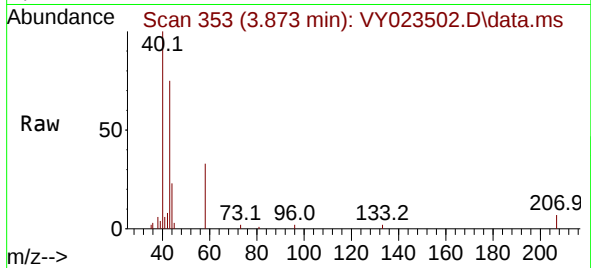




#16
Acetone
Concen: 9.287 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

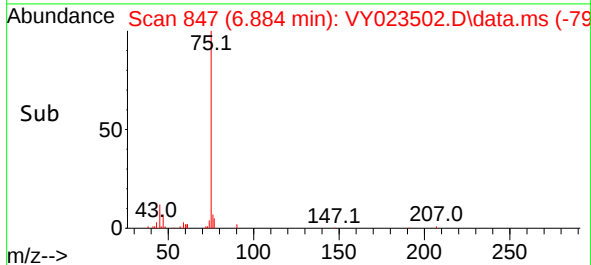
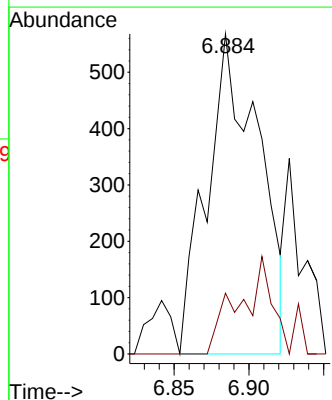
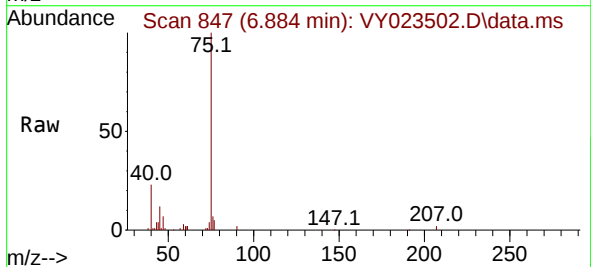
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 7749
Ion Ratio Lower Upper
43 100
58 43.5 27.7 41.5#



#25
2-Butanone
Concen: 1.346 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

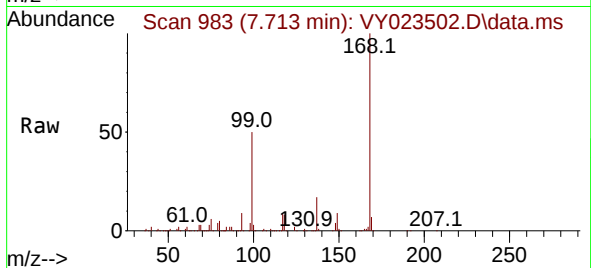
Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
72 19.0 27.4 41.2#



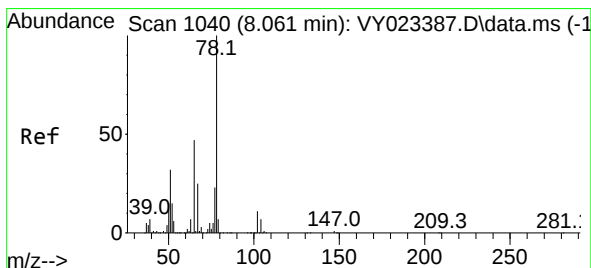
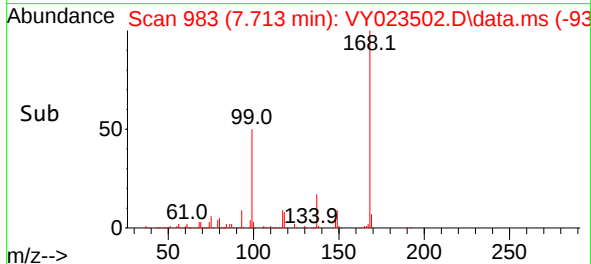
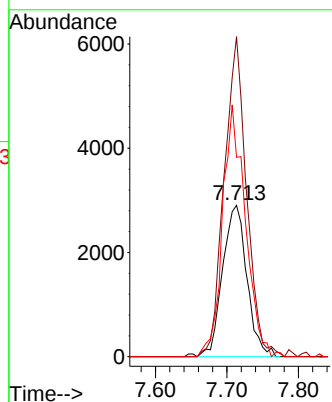


#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

Instrument :
MSVOA_Y
ClientSampleId :

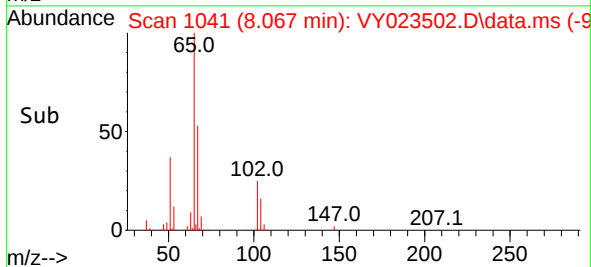
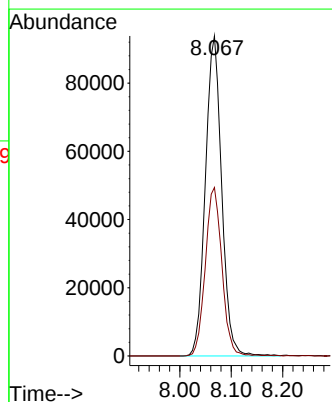
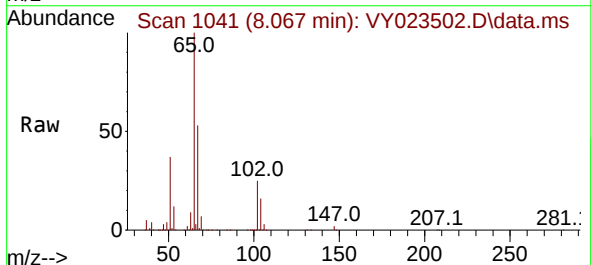


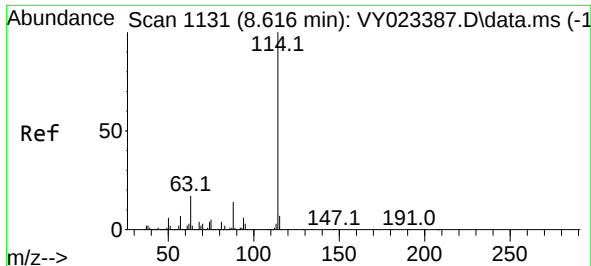
Tgt Ion: 56 Resp: 6888
Ion Ratio Lower Upper
56 100
69 211.3 30.0 45.0#
84 131.6 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 58.961 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

Tgt Ion: 65 Resp: 206644
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

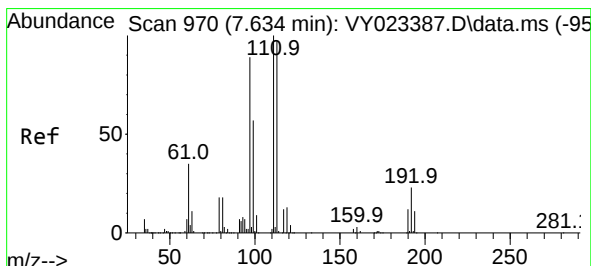
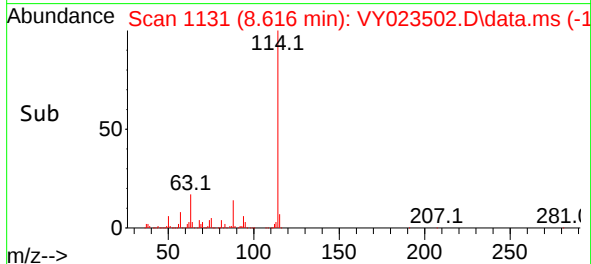
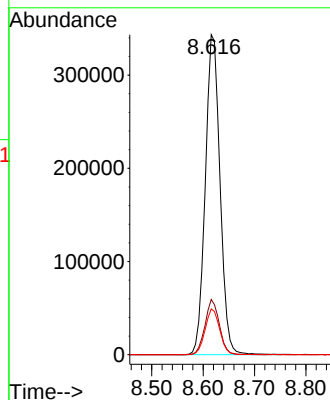
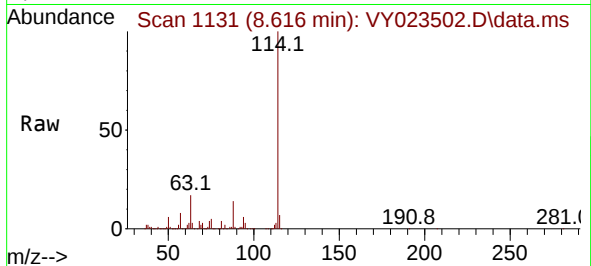




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

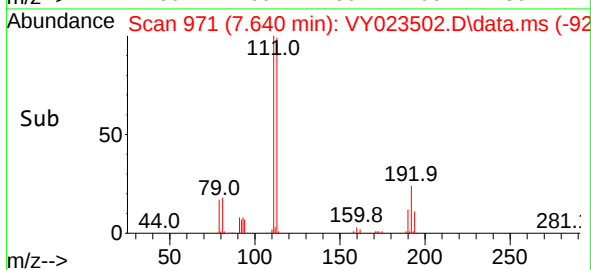
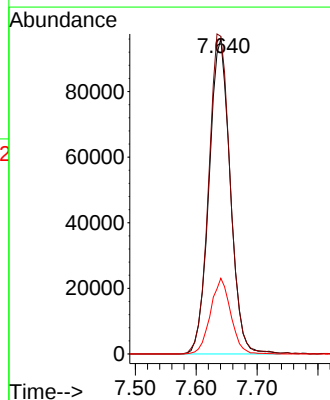
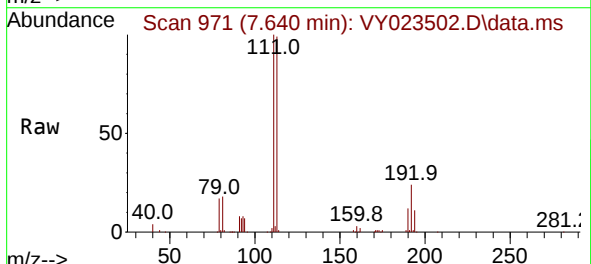
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 683101
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.2
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 55.237 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

Tgt Ion:113 Resp: 231847
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 23.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 5.085 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023502.D

Acq: 20 Oct 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

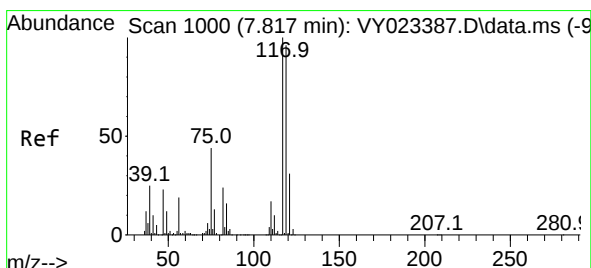
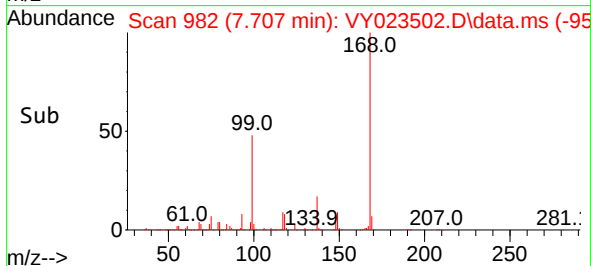
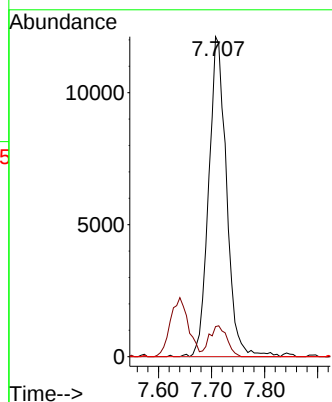
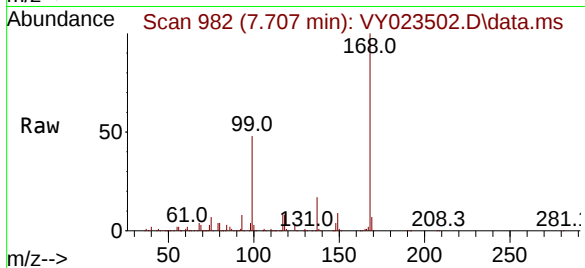
Tgt Ion: 75 Resp: 28255

Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.549 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023502.D

Acq: 20 Oct 2025 12:31

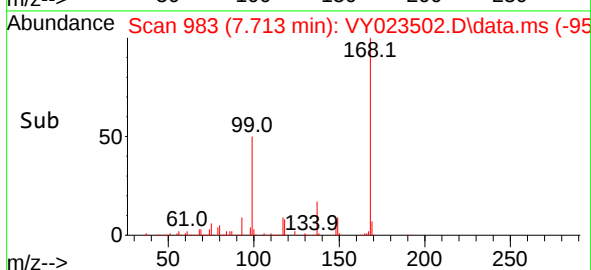
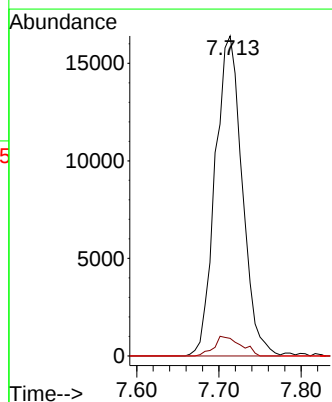
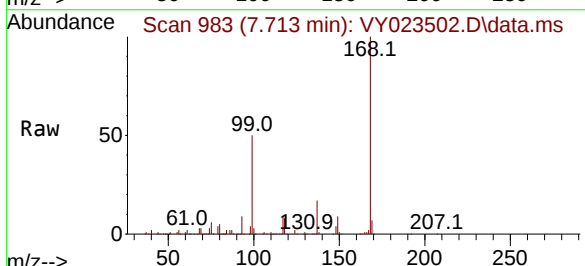
Tgt Ion: 117 Resp: 37386

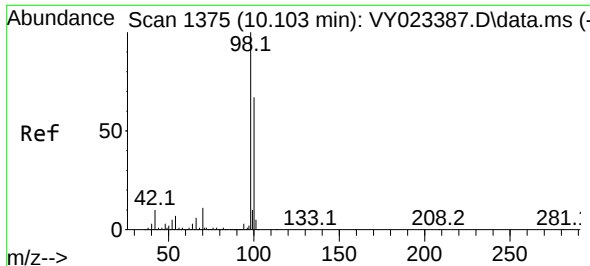
Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

121 0.0 24.5 36.7#

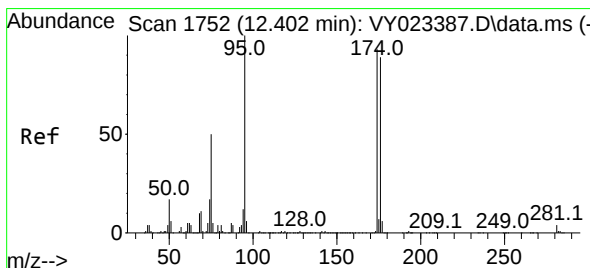
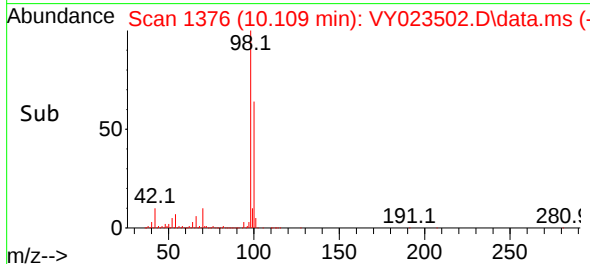
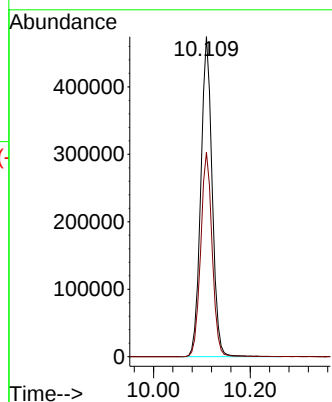
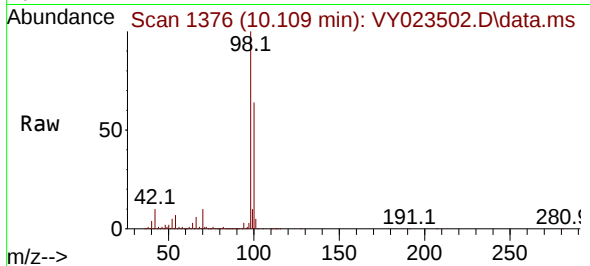




#50
Toluene-d8
Concen: 49.328 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

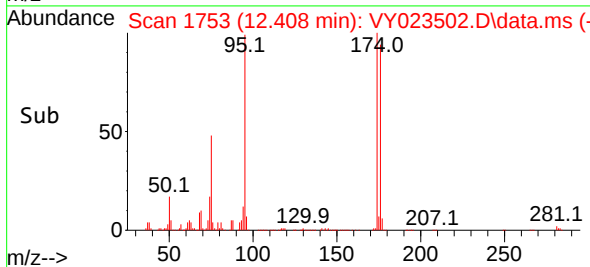
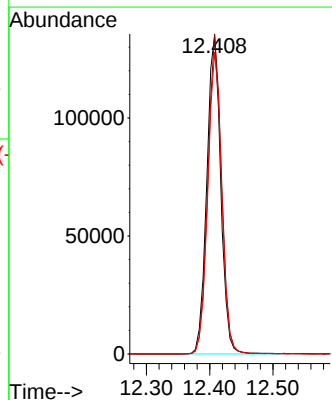
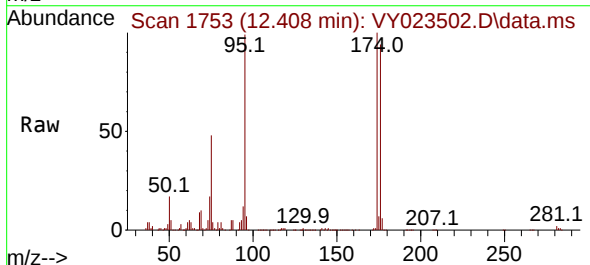
Instrument :
MSVOA_Y
ClientSampleId :

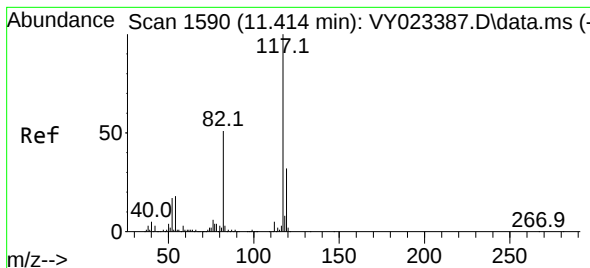
Tgt Ion: 98 Resp: 771058
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 40.190 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

Tgt Ion: 95 Resp: 207406
Ion Ratio Lower Upper
95 100
174 99.1 0.0 192.8
176 94.3 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023502.D

Acq: 20 Oct 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

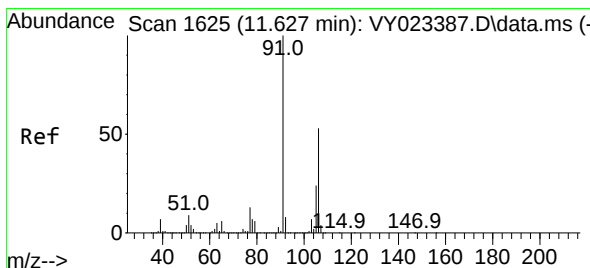
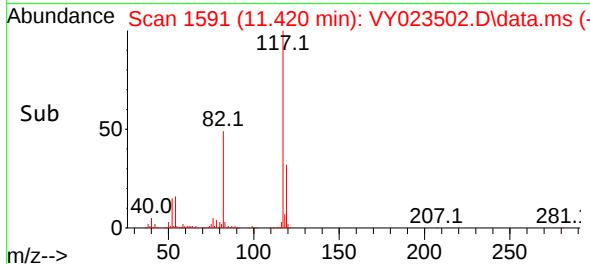
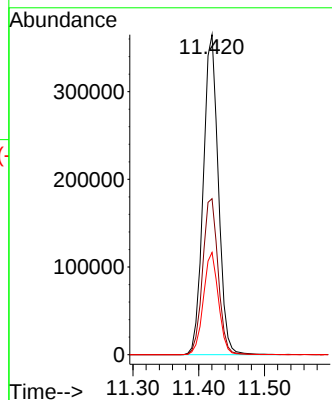
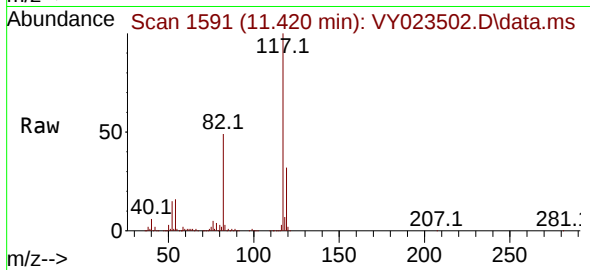
Tgt Ion:117 Resp: 580900

Ion Ratio Lower Upper

117 100

82 48.7 41.0 61.4

119 32.0 25.6 38.4



#68

m/p-Xylenes

Concen: 1.903 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023502.D

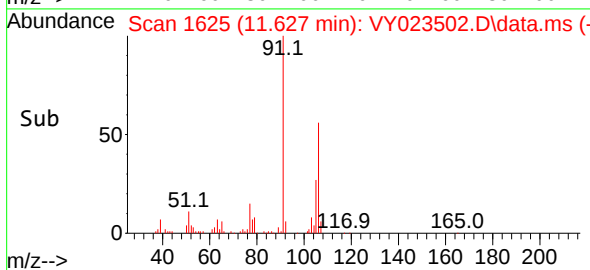
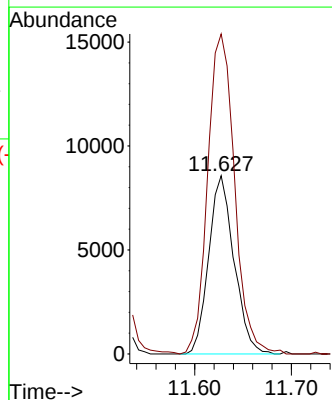
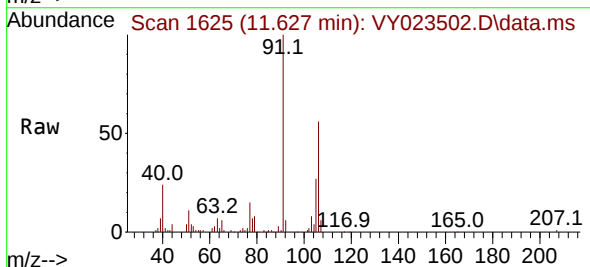
Acq: 20 Oct 2025 12:31

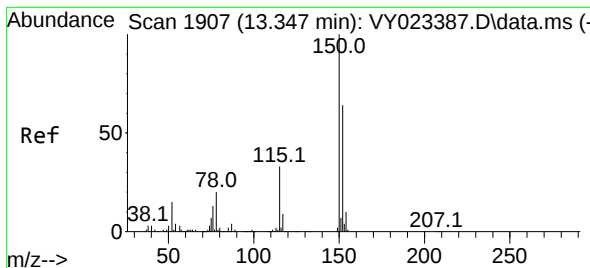
Tgt Ion:106 Resp: 15614

Ion Ratio Lower Upper

106 100

91 190.3 152.6 229.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023502.D

Acq: 20 Oct 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

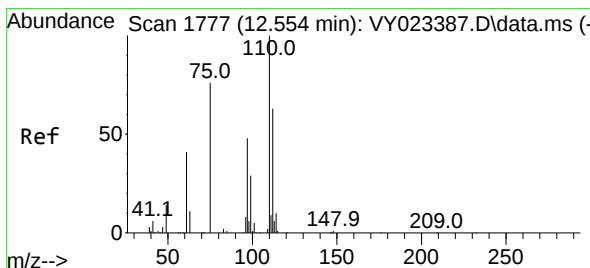
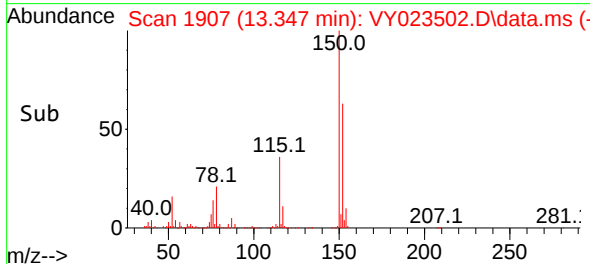
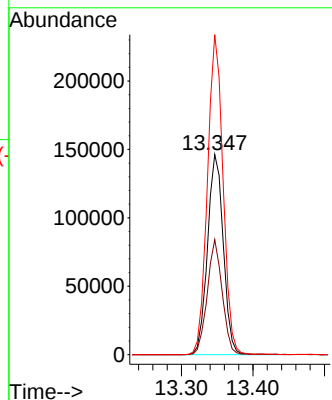
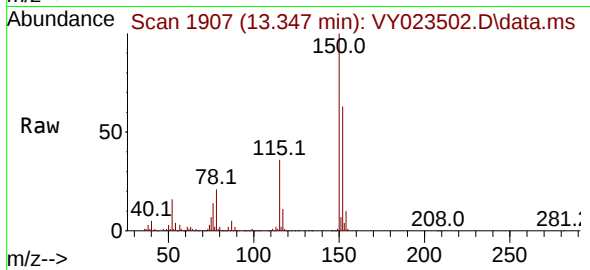
Tgt Ion:152 Resp: 224366

Ion Ratio Lower Upper

152 100

115 54.5 27.1 81.2

150 157.5 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 52.052 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023502.D

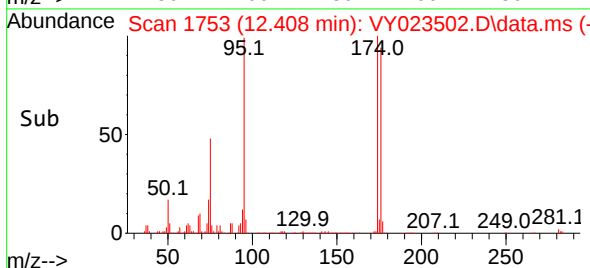
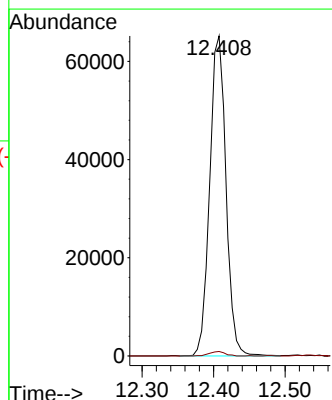
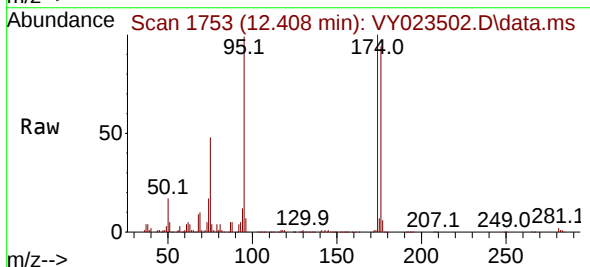
Acq: 20 Oct 2025 12:31

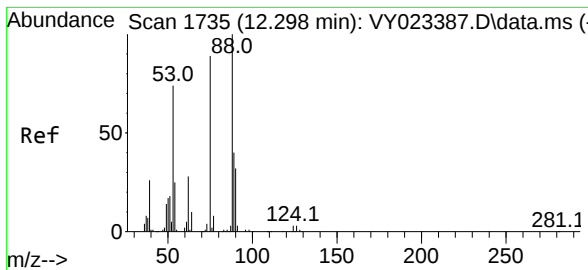
Tgt Ion: 75 Resp: 103038

Ion Ratio Lower Upper

75 100

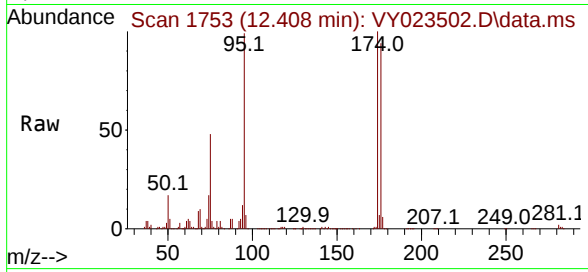
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.642 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023502.D
 Acq: 20 Oct 2025 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 103038
 Ion Ratio Lower Upper
 75 100
 53 0.3 68.6 102.8#
 89 0.0 39.0 58.4#

