

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020853.D
 Acq On : 17 Jan 2025 14:23
 Operator : SY/MD
 Sample : Q1115-09
 Misc : 3.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 23:25:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

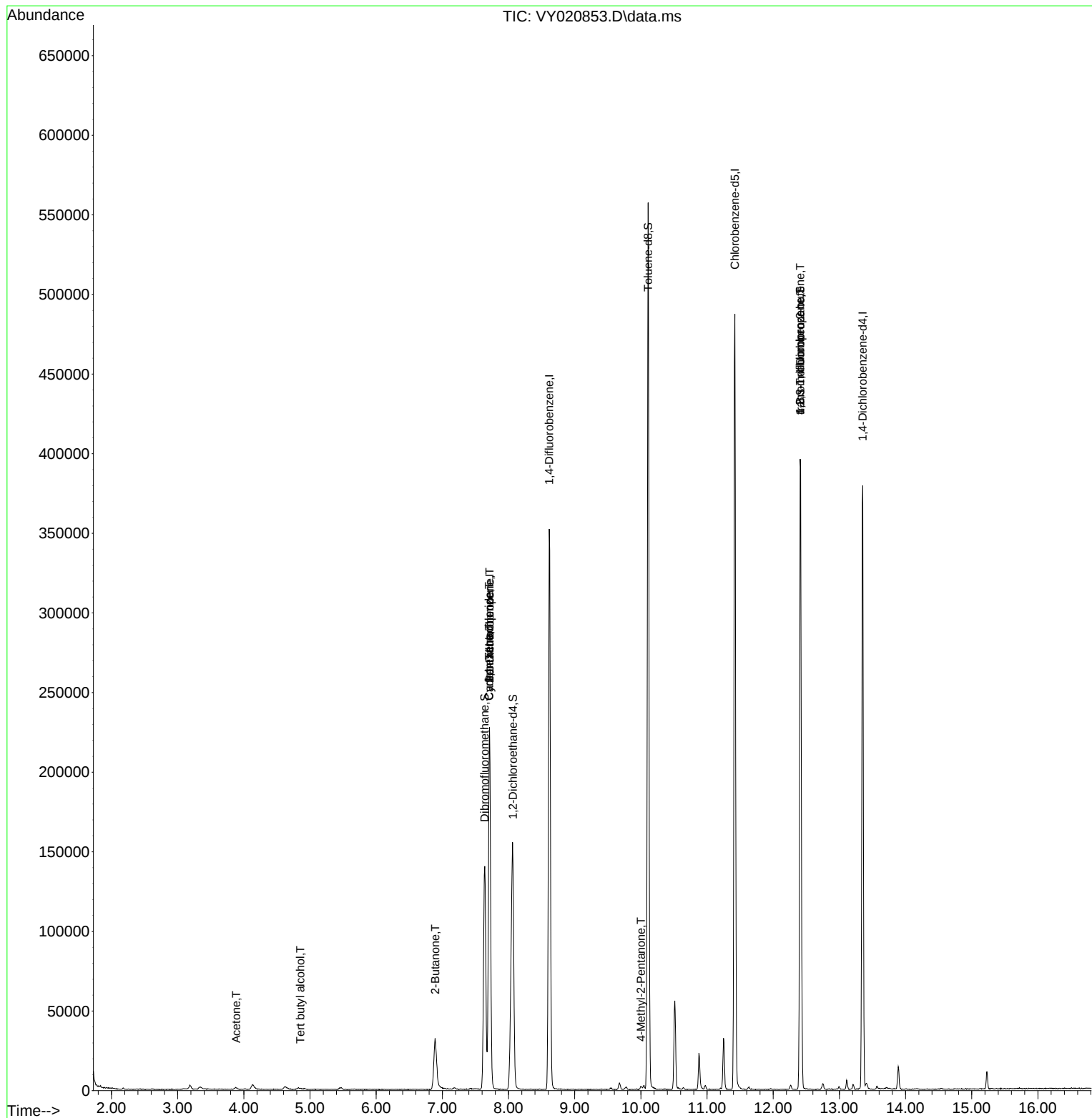
Internal Standards						
1) Pentafluorobenzene	7.713	168	184986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	272507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	103193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	92701	58.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.920%
35) Dibromofluoromethane	7.640	113	101076	50.773	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.540%
50) Toluene-d8	10.109	98	370295	53.359	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.720%
62) 4-Bromofluorobenzene	12.408	95	110437	43.094	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	86.180%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	506	4.259	ug/l #	73
16) Acetone	3.885	43	2016	9.017	ug/l	99
25) 2-Butanone	6.890	43	1023	2.785	ug/l #	71
31) Cyclohexane	7.707	56	3167	1.384	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	13183	5.192	ug/l #	50
38) Carbon Tetrachloride	7.707	117	17778	5.030	ug/l #	17
51) 4-Methyl-2-Pentanone	9.999	43	1400	1.363	ug/l	90
76) 1,2,3-Trichloropropane	12.408	75	54870	60.770	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	54870	128.135	ug/l #	14

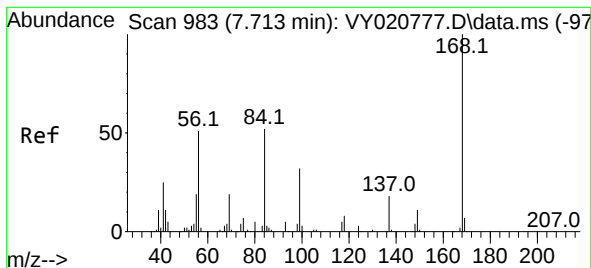
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 07 01:31:46 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY020853.D

Acq: 17 Jan 2025 14:23

Instrument :

MSVOA_Y

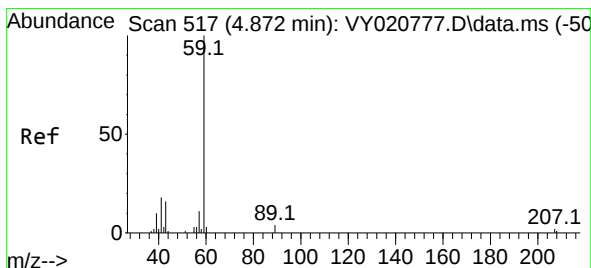
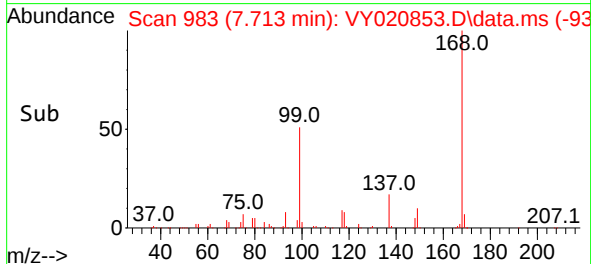
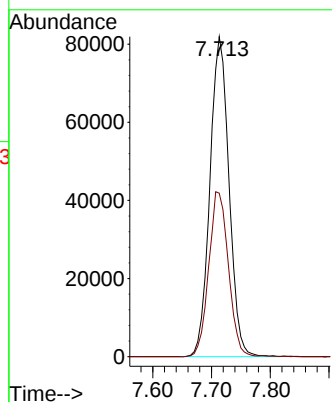
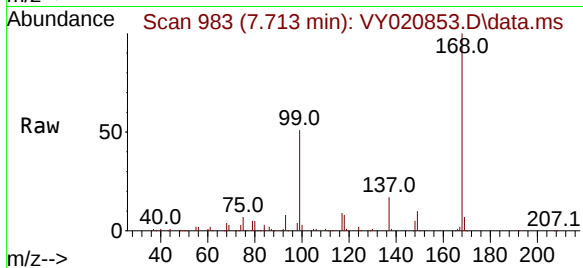
ClientSampleId :

Tgt Ion:168 Resp: 184986

Ion Ratio Lower Upper

168 100

99 51.1 44.3 66.5



#11

Tert butyl alcohol

Concen: 4.259 ug/l

RT: 4.854 min Scan# 514

Delta R.T. -0.018 min

Lab File: VY020853.D

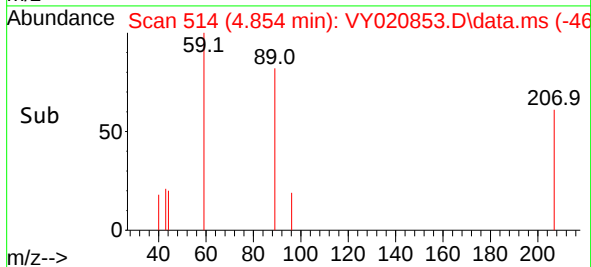
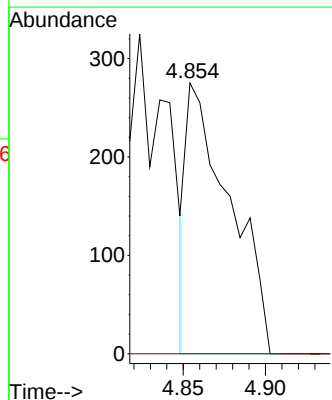
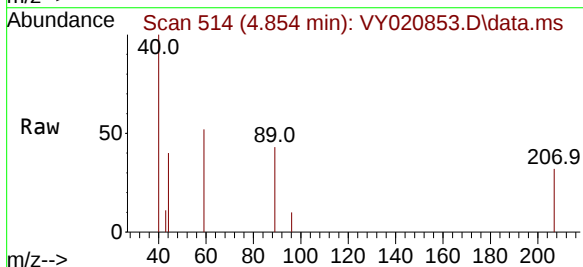
Acq: 17 Jan 2025 14:23

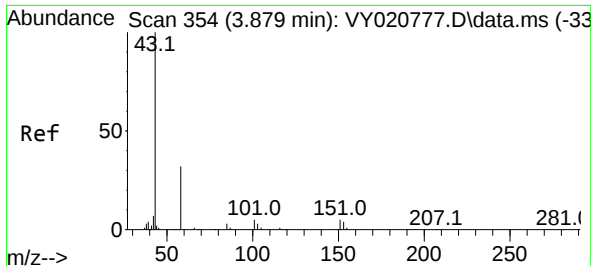
Tgt Ion: 59 Resp: 506

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

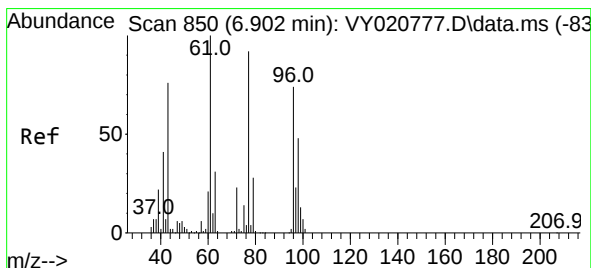
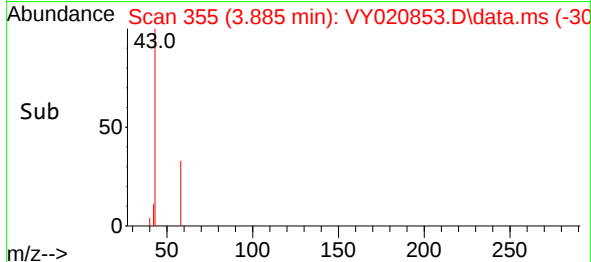
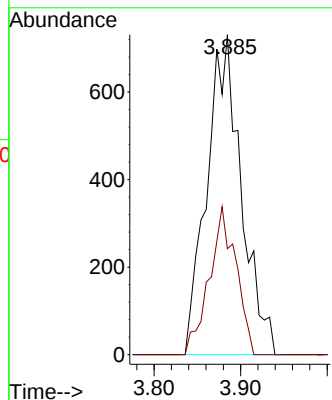
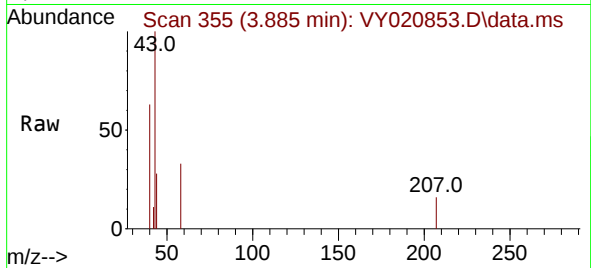




#16
Acetone
Concen: 9.017 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020853.D
Acq: 17 Jan 2025 14:23

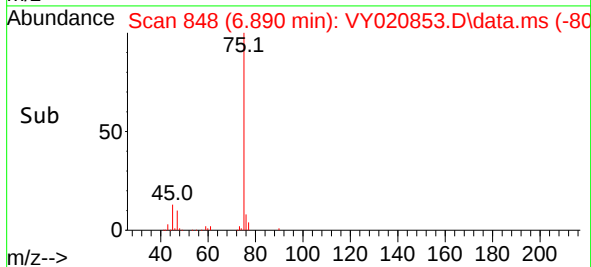
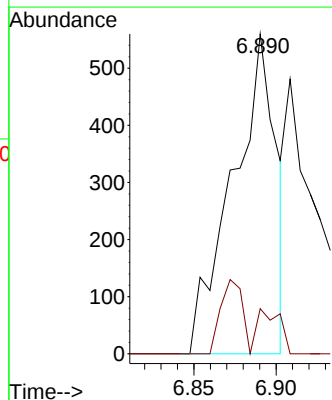
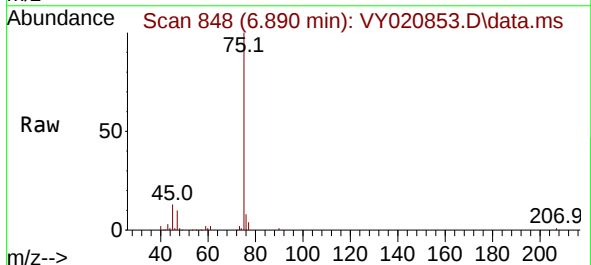
Instrument :
MSVOA_Y
ClientSampleId :

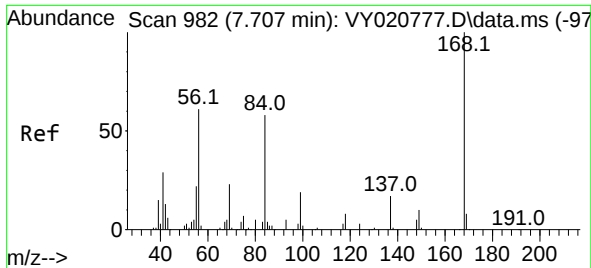
Tgt Ion: 43 Resp: 2016
Ion Ratio Lower Upper
43 100
58 33.1 26.7 40.1



#25
2-Butanone
Concen: 2.785 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY020853.D
Acq: 17 Jan 2025 14:23

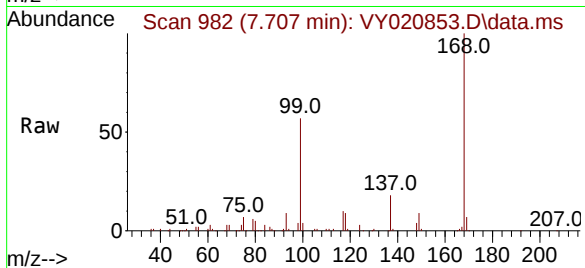
Tgt Ion: 43 Resp: 1023
Ion Ratio Lower Upper
43 100
72 14.1 24.0 36.0#



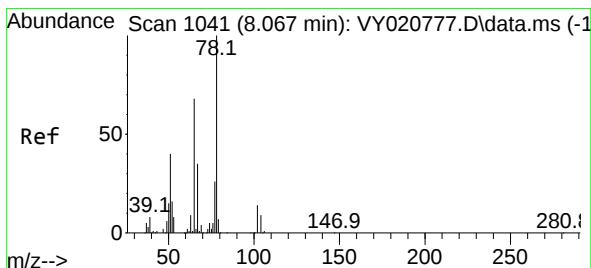
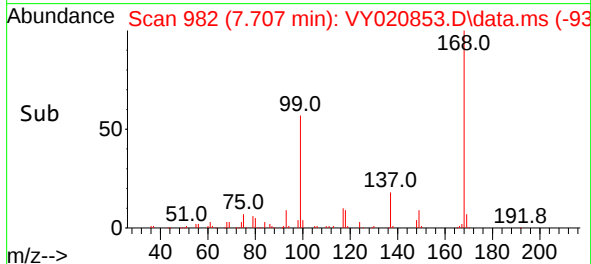
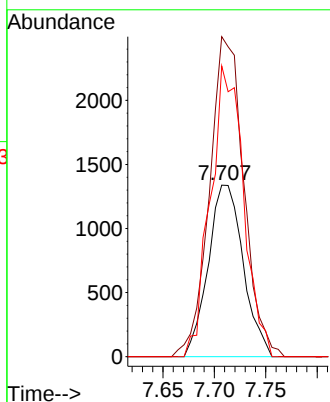


#31
Cyclohexane
Concen: 1.384 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020853.D
Acq: 17 Jan 2025 14:23

Instrument :
MSVOA_Y
ClientSampleId :

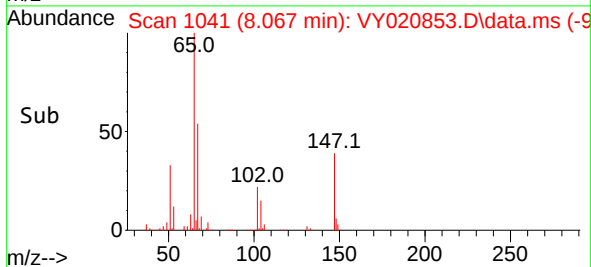
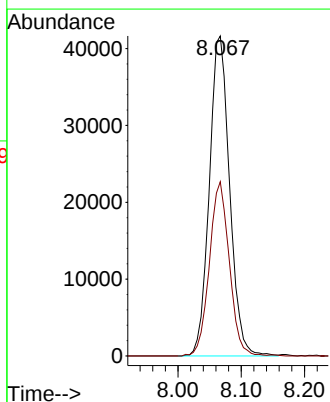
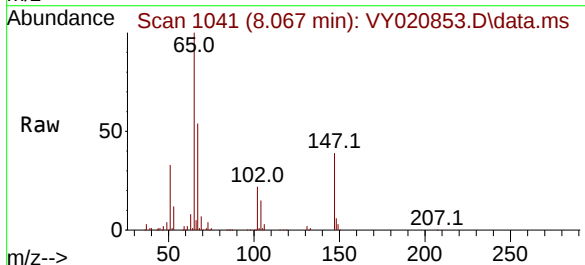


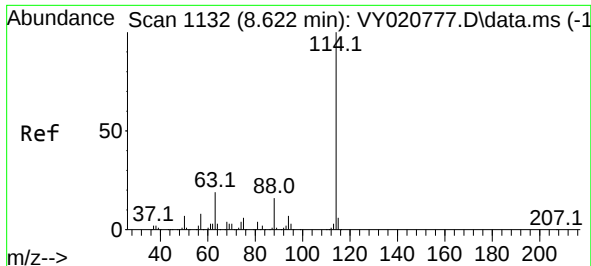
Tgt Ion: 56 Resp: 3167
Ion Ratio Lower Upper
56 100
69 182.6 30.5 45.7#
84 169.4 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 58.958 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY020853.D
Acq: 17 Jan 2025 14:23

Tgt Ion: 65 Resp: 92701
Ion Ratio Lower Upper
65 100
67 53.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

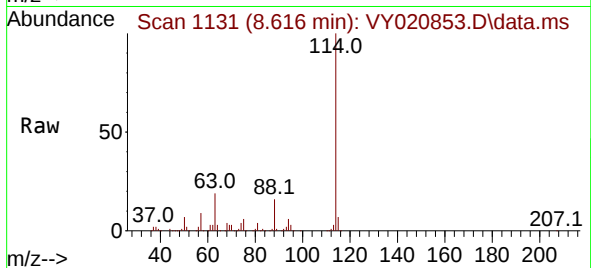
Lab File: VY020853.D

Acq: 17 Jan 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :



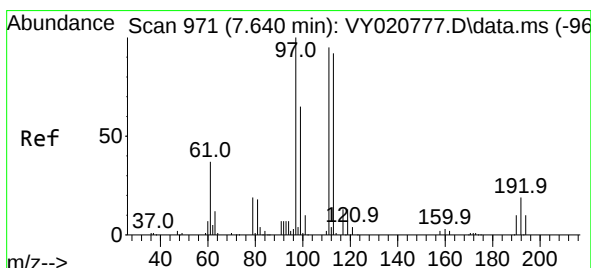
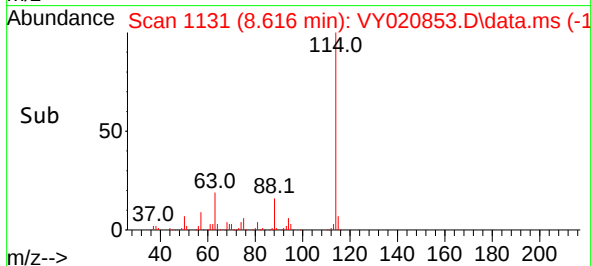
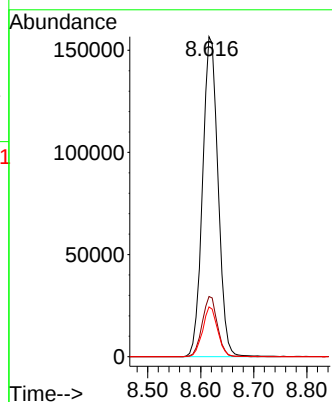
Tgt Ion:114 Resp: 317759

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 15.6 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.773 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY020853.D

Acq: 17 Jan 2025 14:23

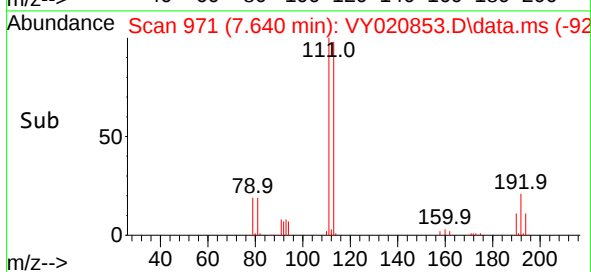
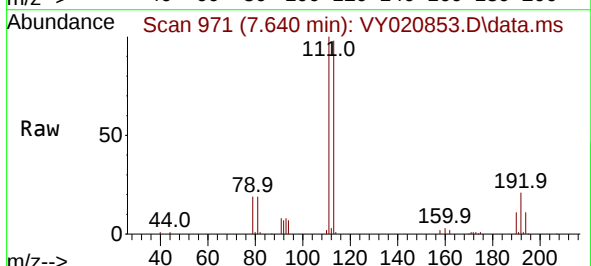
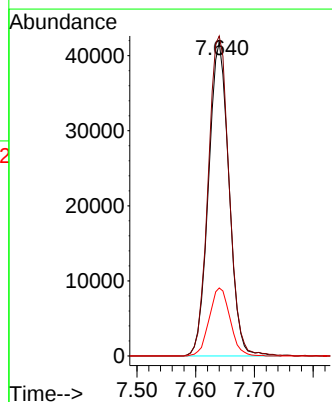
Tgt Ion:113 Resp: 101076

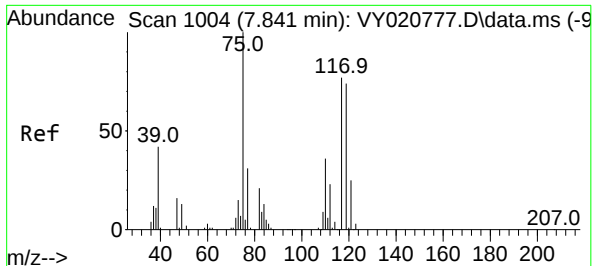
Ion Ratio Lower Upper

113 100

111 104.5 81.7 122.5

192 22.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.192 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY020853.D

Acq: 17 Jan 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

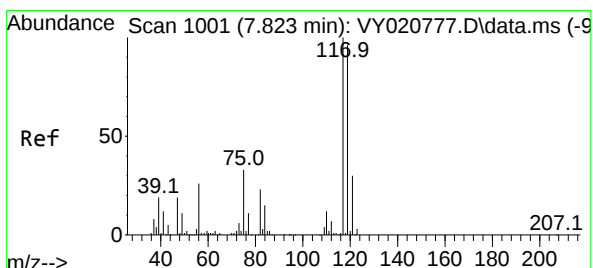
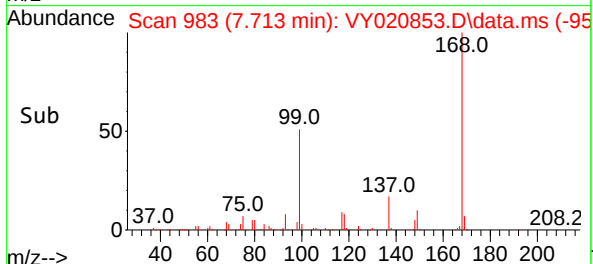
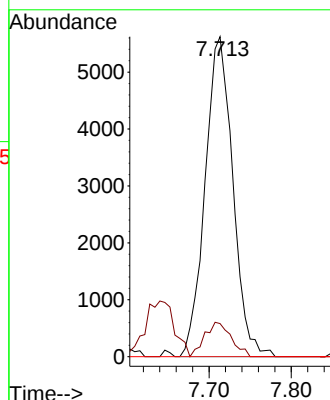
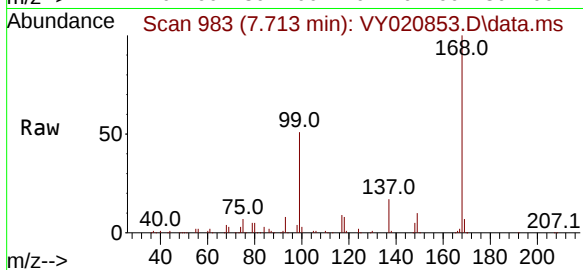
Tgt Ion: 75 Resp: 13183

Ion Ratio Lower Upper

75 100

110 10.2 18.5 55.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.030 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY020853.D

Acq: 17 Jan 2025 14:23

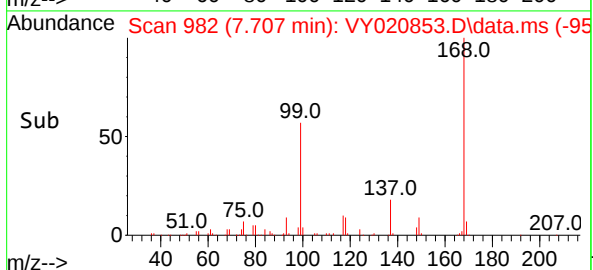
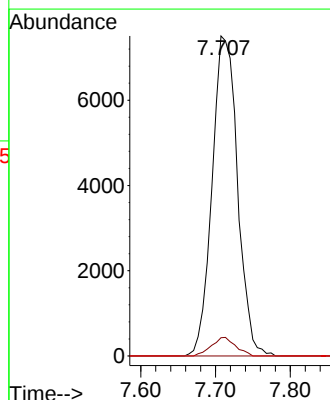
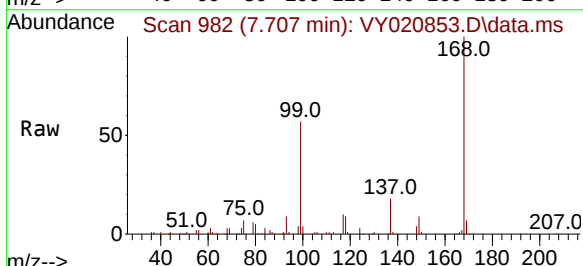
Tgt Ion: 117 Resp: 17778

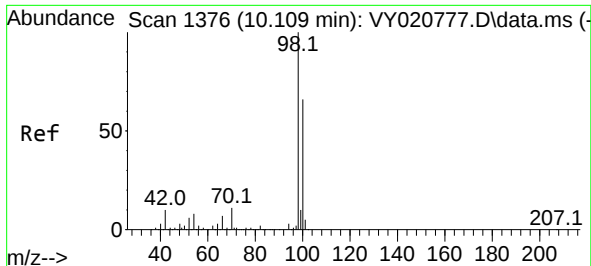
Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

121 0.0 24.3 36.5#

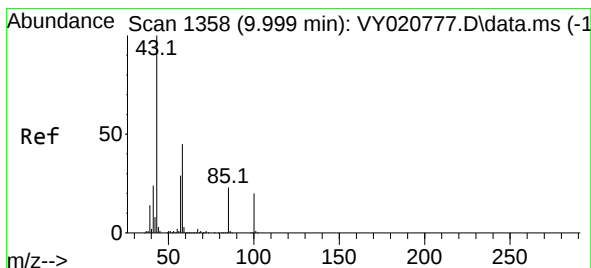
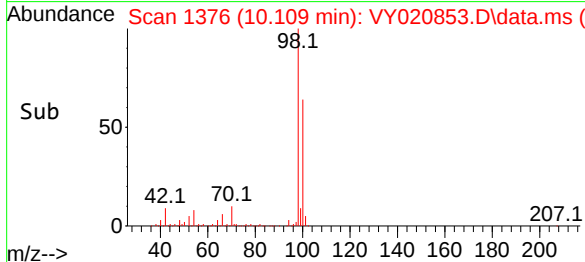
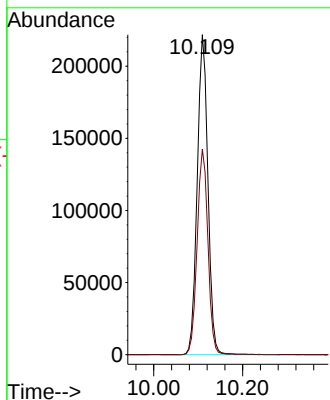
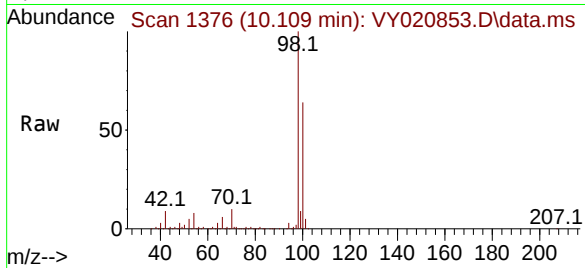




#50
Toluene-d8
Concen: 53.359 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY020853.D
Acq: 17 Jan 2025 14:23

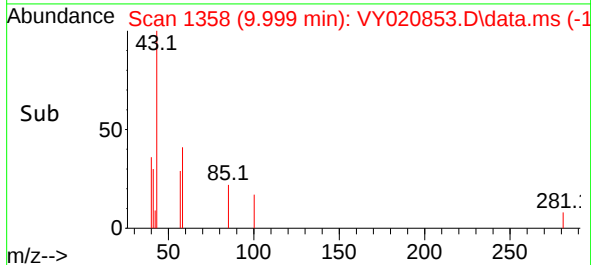
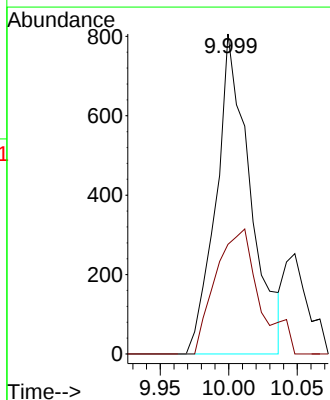
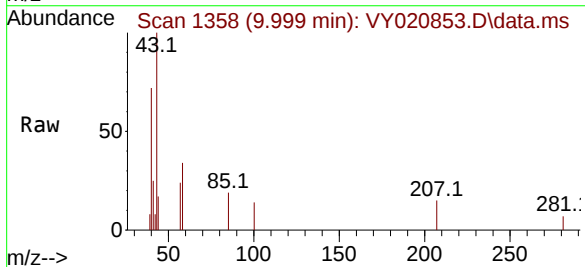
Instrument :
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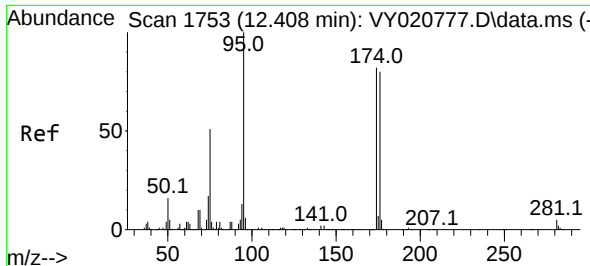
Tgt Ion: 98 Resp: 370295
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.363 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY020853.D
Acq: 17 Jan 2025 14:23

Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 50.0 34.8 52.2

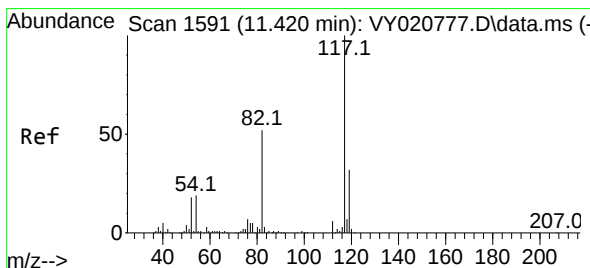
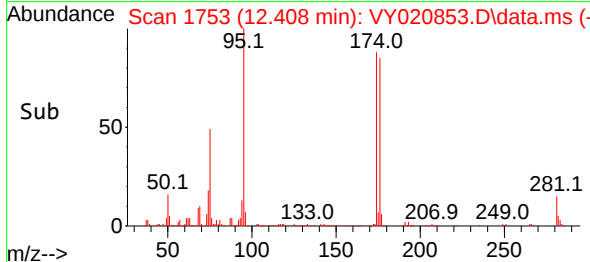
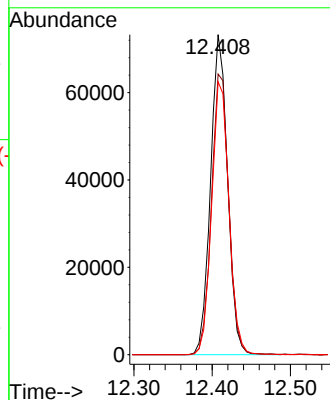
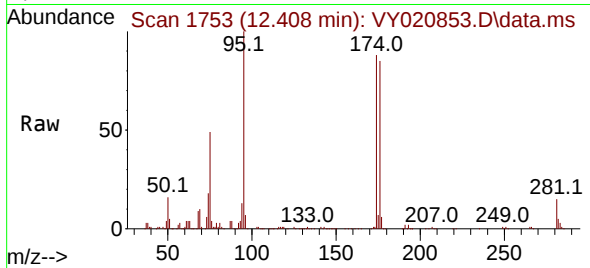




#62
4-Bromofluorobenzene
Concen: 43.094 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020853.D
Acq: 17 Jan 2025 14:23

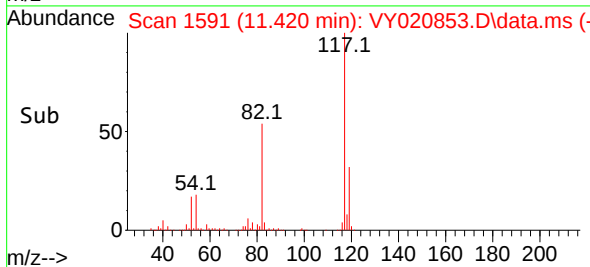
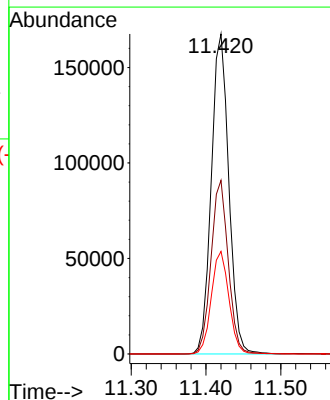
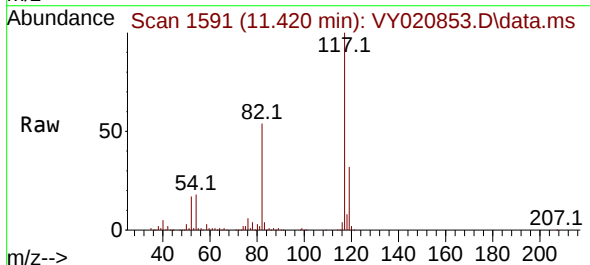
Instrument :
MSVOA_Y
ClientSampleId :

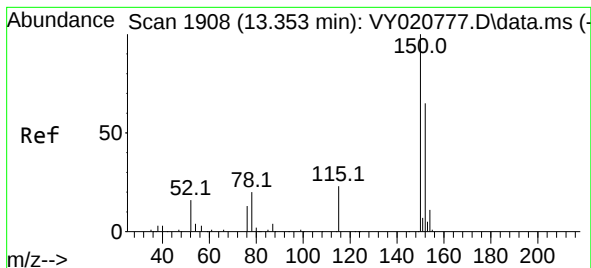
Tgt Ion: 95 Resp: 110437
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.0
176 86.8 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY020853.D
Acq: 17 Jan 2025 14:23

Tgt Ion: 117 Resp: 272507
Ion Ratio Lower Upper
117 100
82 54.3 41.8 62.6
119 32.0 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY020853.D

Acq: 17 Jan 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

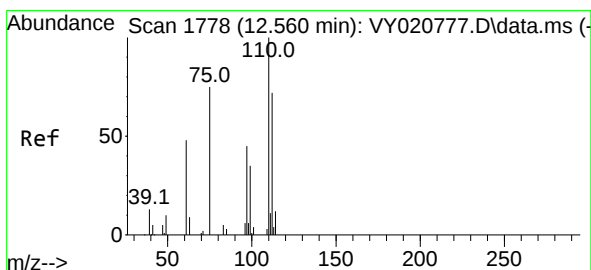
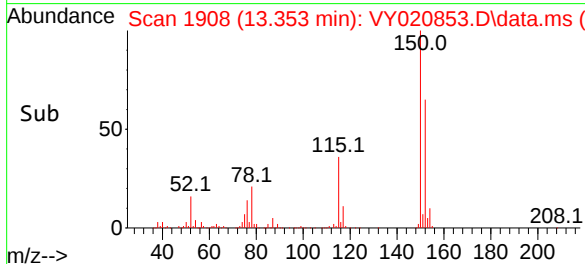
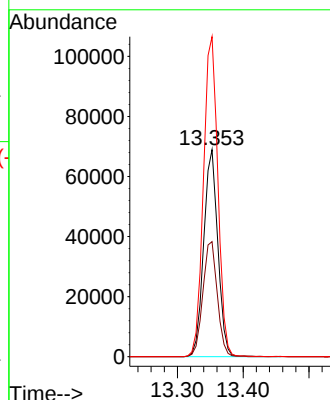
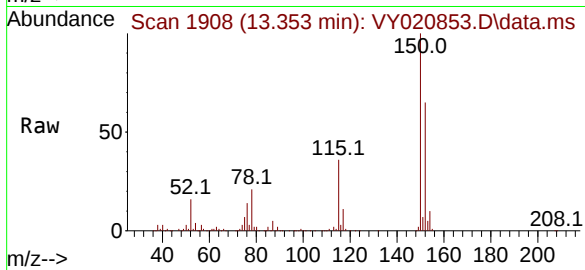
Tgt Ion:152 Resp: 103193

Ion Ratio Lower Upper

152 100

115 56.8 29.0 87.0

150 157.5 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 60.770 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020853.D

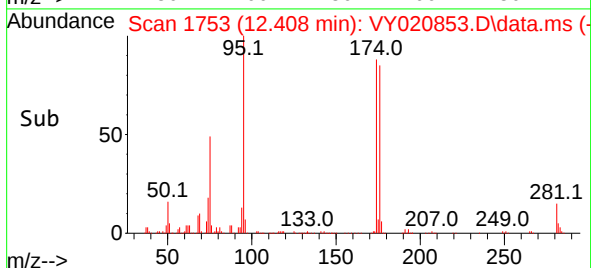
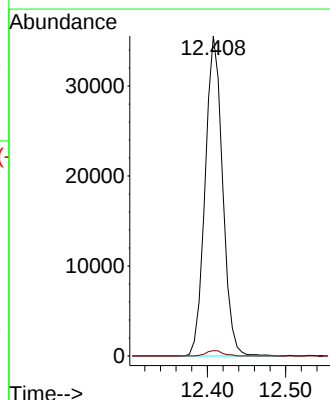
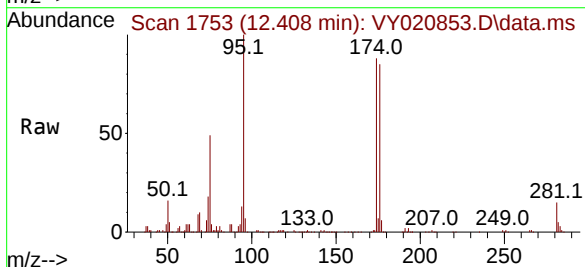
Acq: 17 Jan 2025 14:23

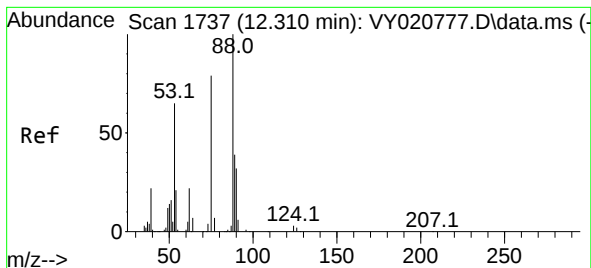
Tgt Ion: 75 Resp: 54870

Ion Ratio Lower Upper

75 100

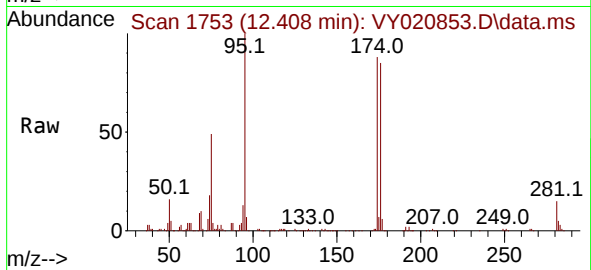
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.135 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY020853.D
 Acq: 17 Jan 2025 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 54870
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.4 104.0#
 89 0.4 39.6 59.4#

