

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011525\
 Data File : VY020833.D
 Acq On : 15 Jan 2025 13:58
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 16 00:59:05 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)

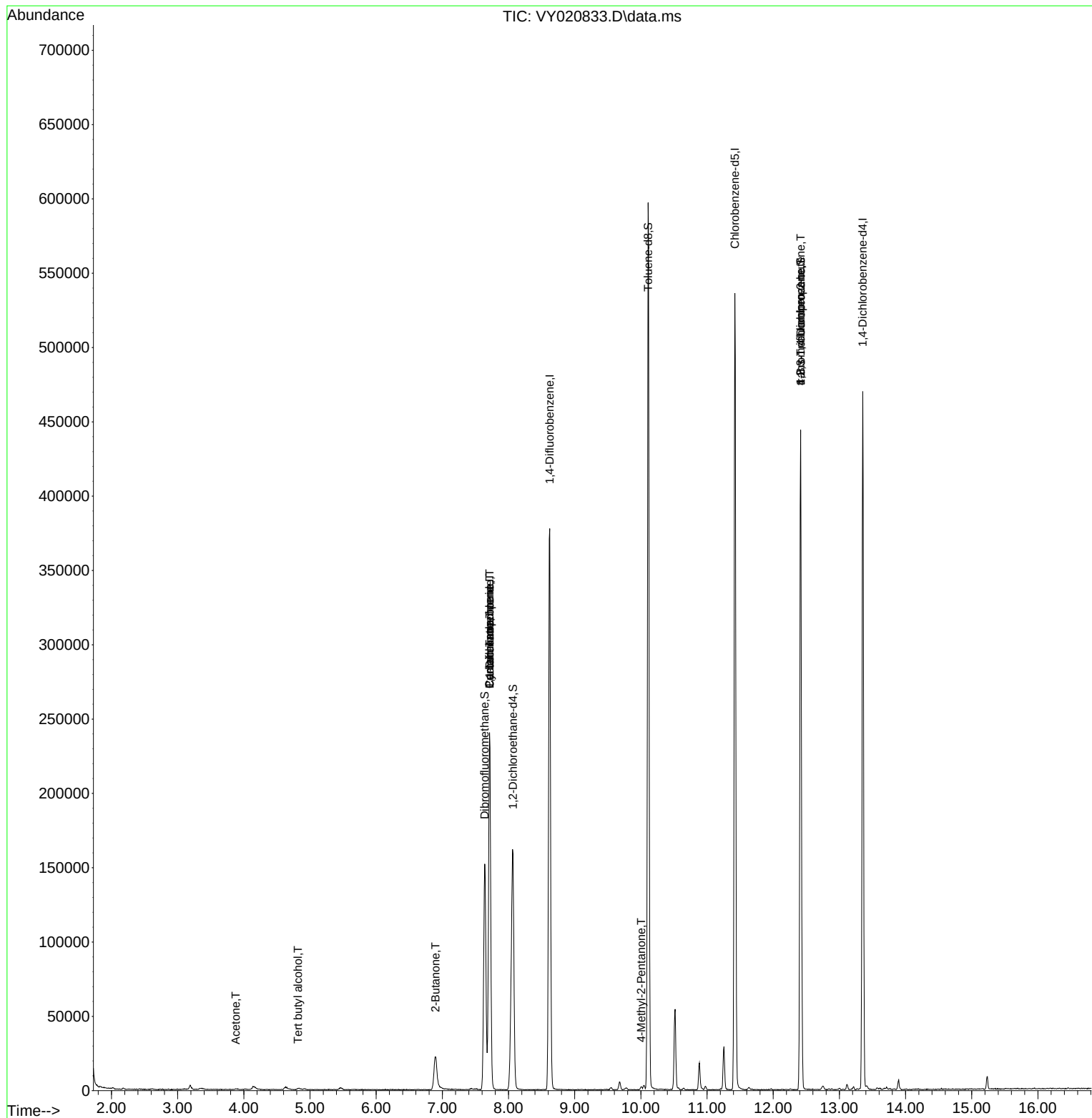
Internal Standards						
1) Pentafluorobenzene	7.713	168	197000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	342266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	300735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	126182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	103833	62.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.020%	
35) Dibromofluoromethane	7.640	113	108887	50.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.560%	
50) Toluene-d8	10.109	98	399401	53.432	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.860%	
62) 4-Bromofluorobenzene	12.414	95	127457	46.174	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 92.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.818	59	489	3.865	ug/l #	73
16) Acetone	3.879	43	877	3.683	ug/l	100
25) 2-Butanone	6.896	43	1135	2.902	ug/l #	45
31) Cyclohexane	7.713	56	2915	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	13484	4.930	ug/l #	50
38) Carbon Tetrachloride	7.713	117	19056	5.005	ug/l #	16
51) 4-Methyl-2-Pentanone	10.006	43	1638	1.481	ug/l #	86
76) 1,2,3-Trichloropropane	12.414	75	63900	57.877	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	63900	122.036	ug/l #	14

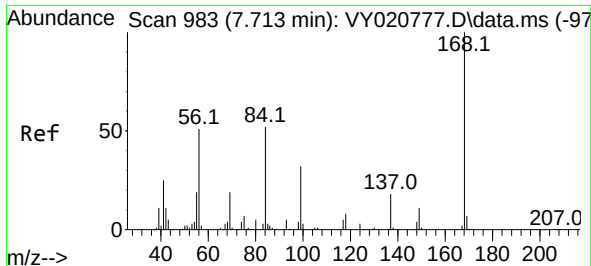
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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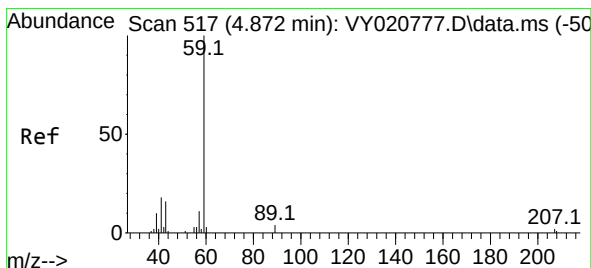
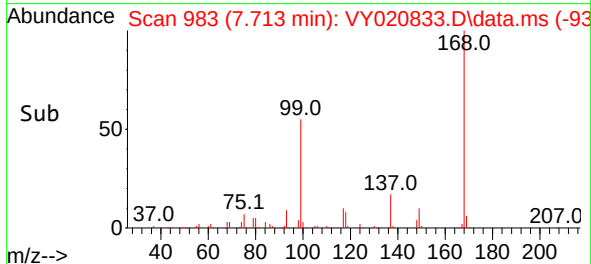
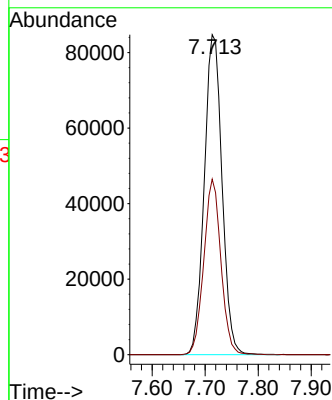
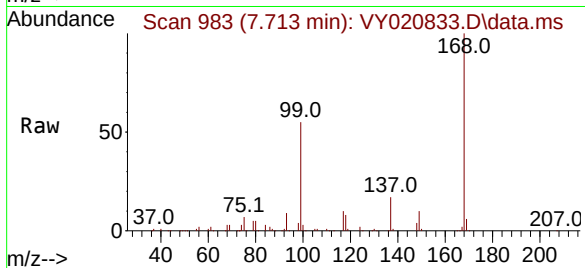




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

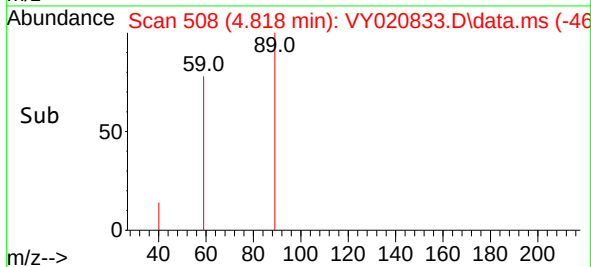
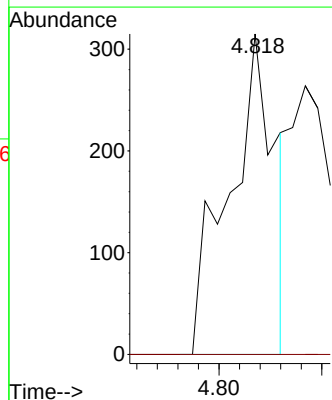
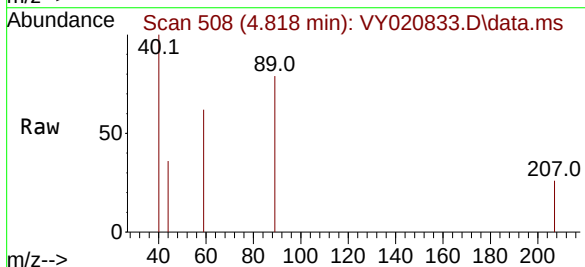
Instrument :
MSVOA_Y
ClientSampleId :

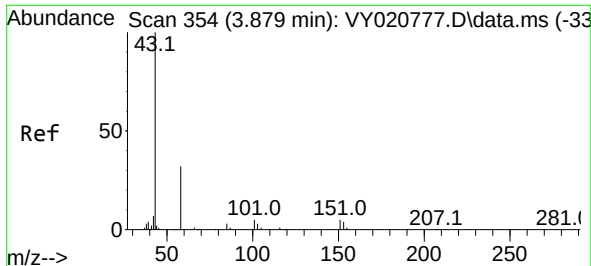
Tgt Ion:168 Resp: 197000
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#11
Tert butyl alcohol
Concen: 3.865 ug/l
RT: 4.818 min Scan# 508
Delta R.T. -0.055 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

Tgt Ion: 59 Resp: 489
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

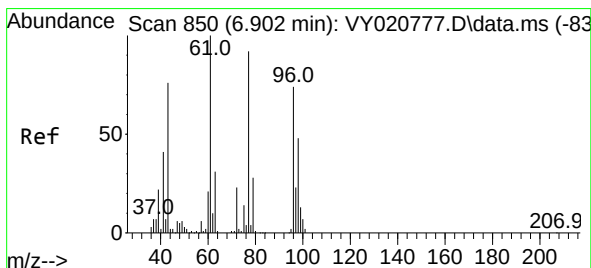
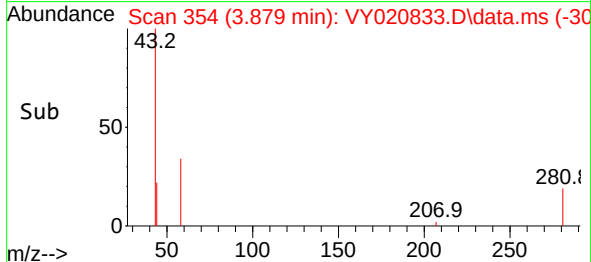
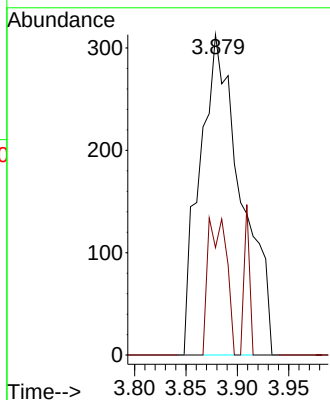
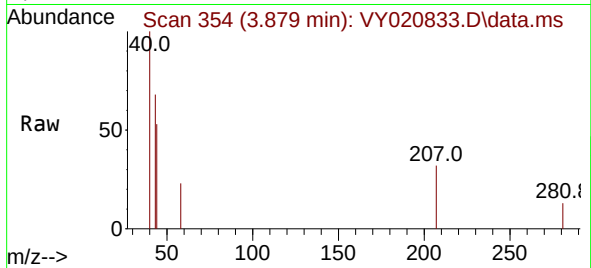




#16
Acetone
Concen: 3.683 ug/l
RT: 3.879 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

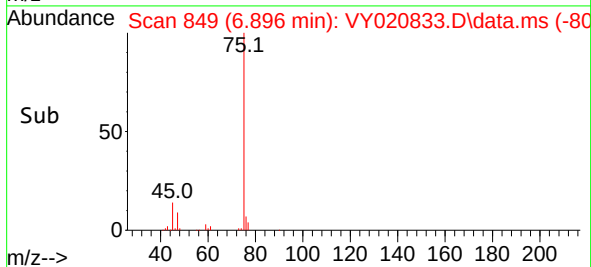
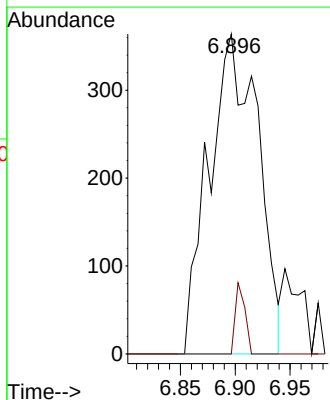
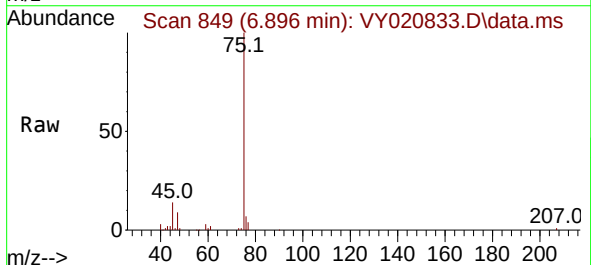
Instrument :
MSVOA_Y
ClientSampleId :

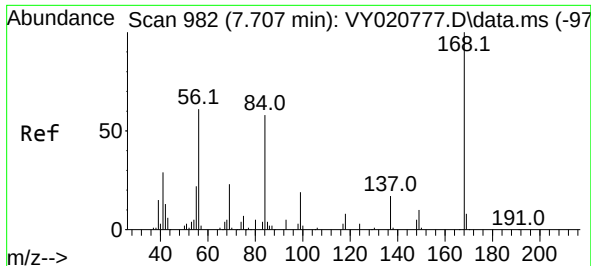
Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 33.5 26.7 40.1



#25
2-Butanone
Concen: 2.902 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

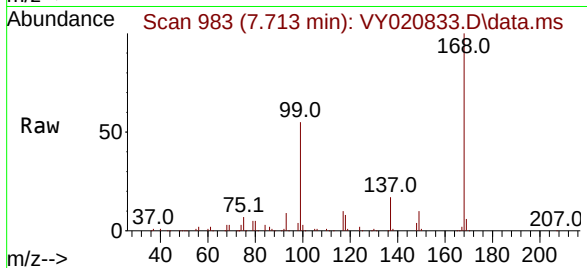
Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#



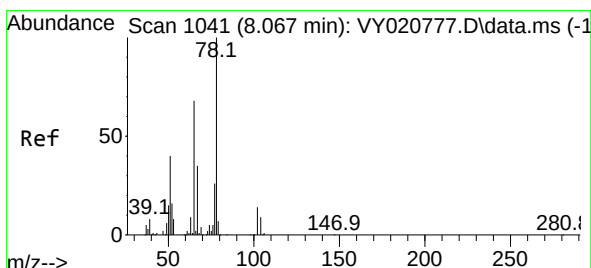
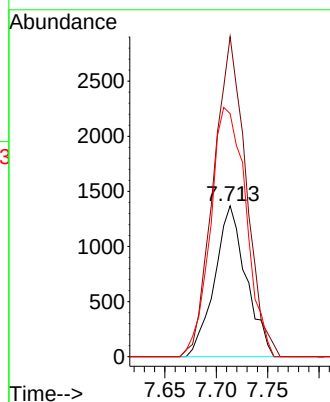
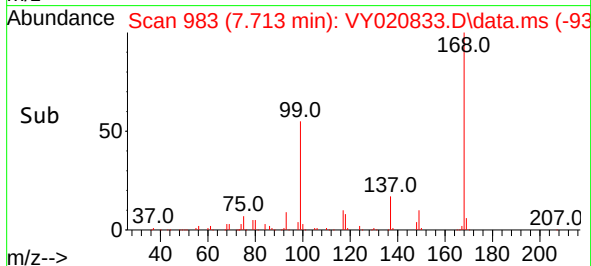


#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :

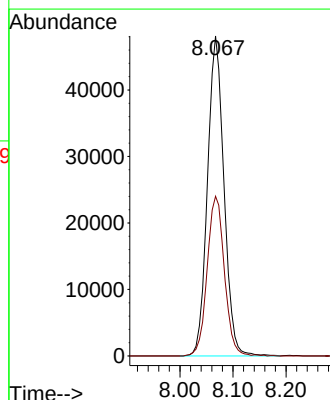
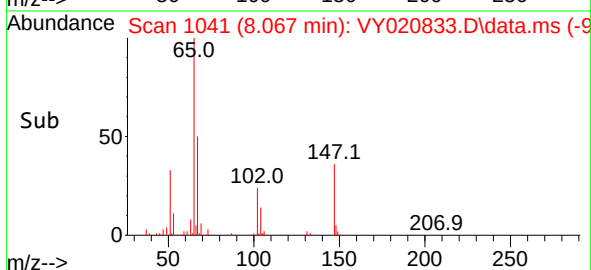
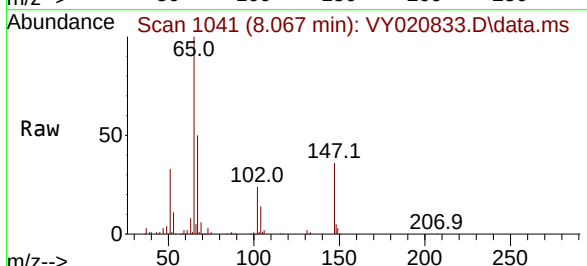


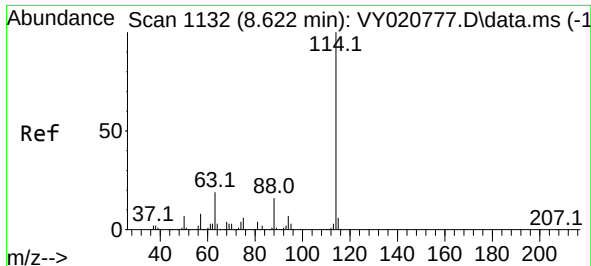
Tgt Ion: 56 Resp: 2915
Ion Ratio Lower Upper
56 100
69 212.0 30.5 45.7#
84 161.0 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 62.011 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

Tgt Ion: 65 Resp: 103833
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY020833.D

Acq: 15 Jan 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

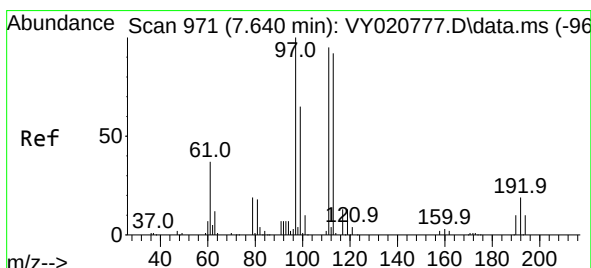
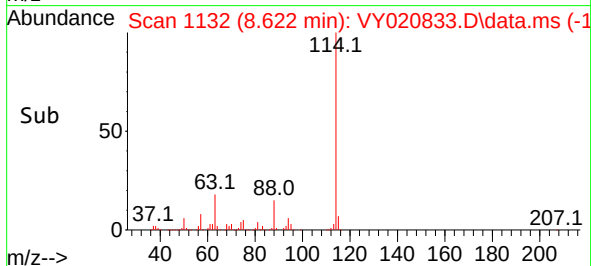
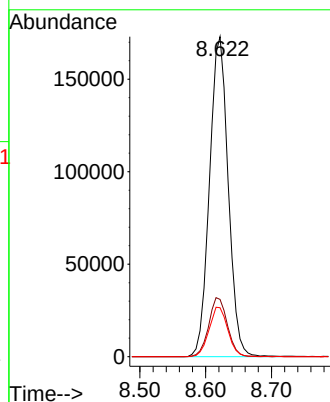
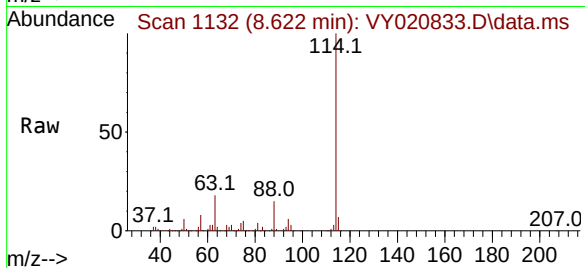
Tgt Ion:114 Resp: 342266

Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 15.3 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.781 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY020833.D

Acq: 15 Jan 2025 13:58

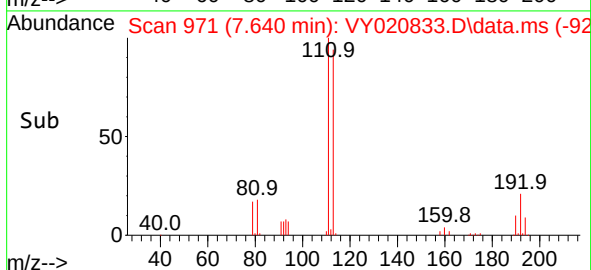
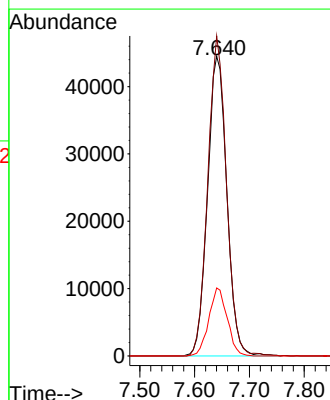
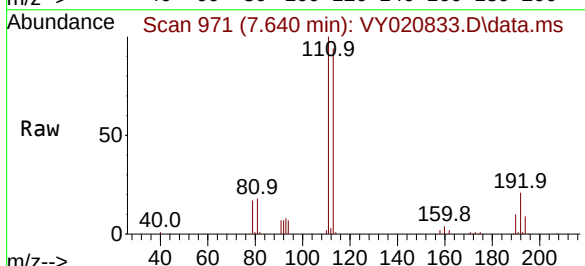
Tgt Ion:113 Resp: 108887

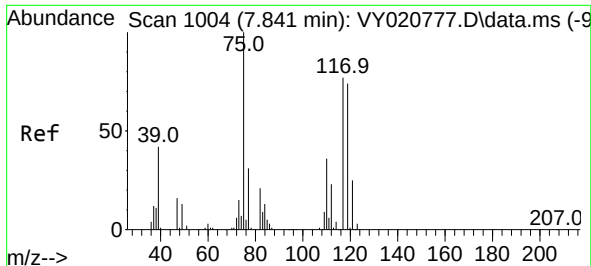
Ion Ratio Lower Upper

113 100

111 102.9 81.7 122.5

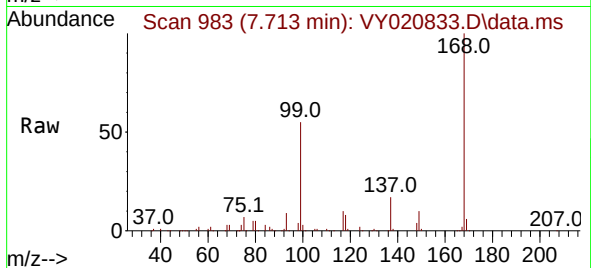
192 21.6 16.7 25.1



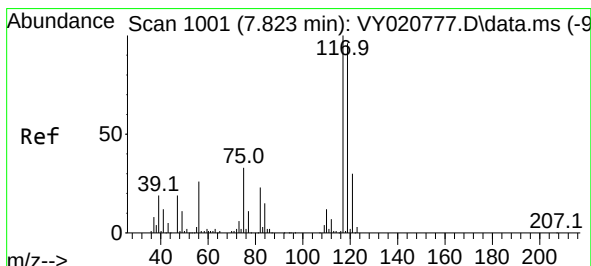
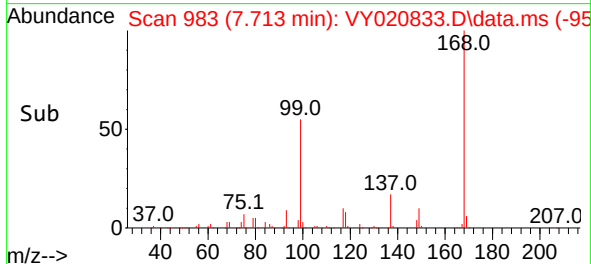
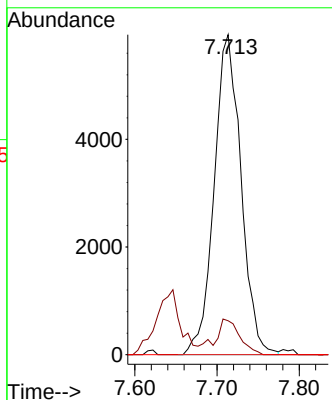


#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :

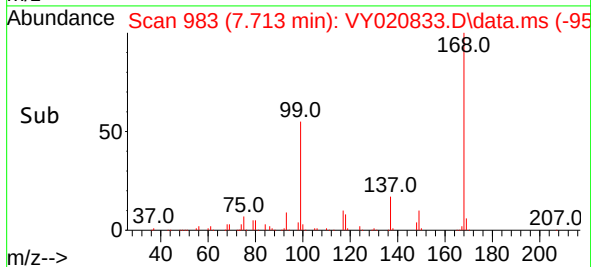
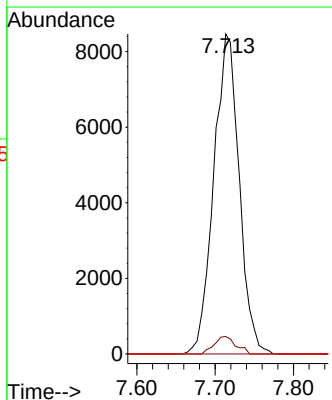
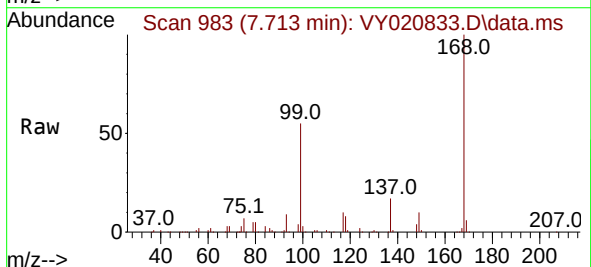


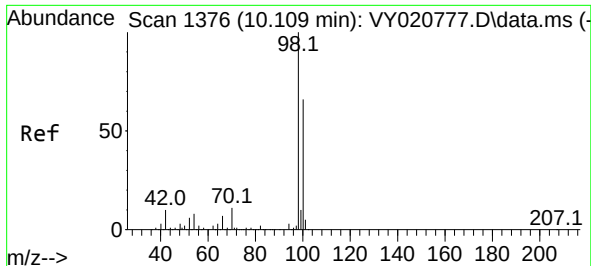
Tgt Ion: 75 Resp: 13484
Ion Ratio Lower Upper
75 100
110 10.2 18.5 55.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.005 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

Tgt Ion: 117 Resp: 19056
Ion Ratio Lower Upper
117 100
119 5.4 76.5 114.7#
121 0.0 24.3 36.5#

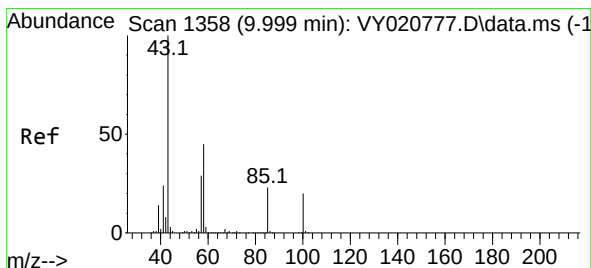
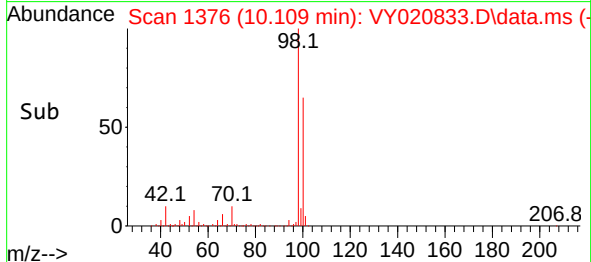
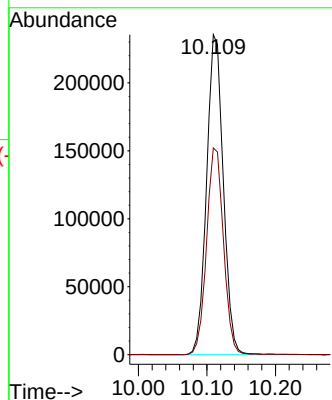
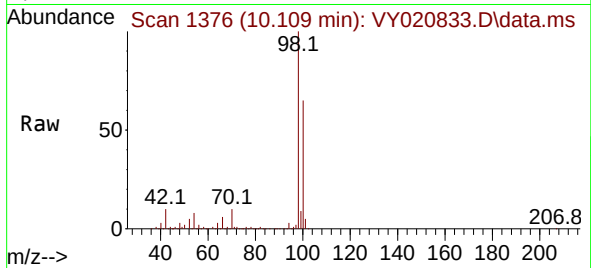




#50
Toluene-d8
Concen: 53.432 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

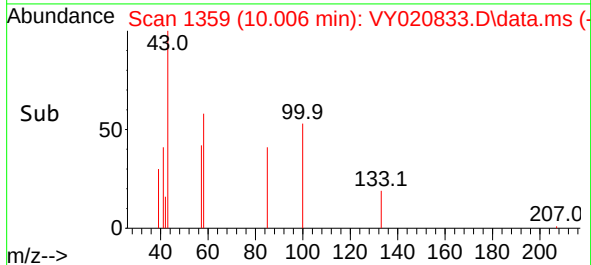
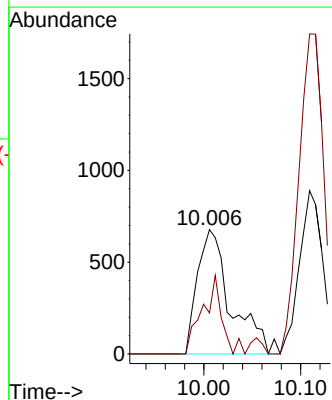
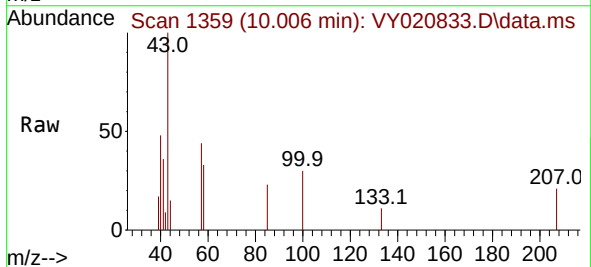
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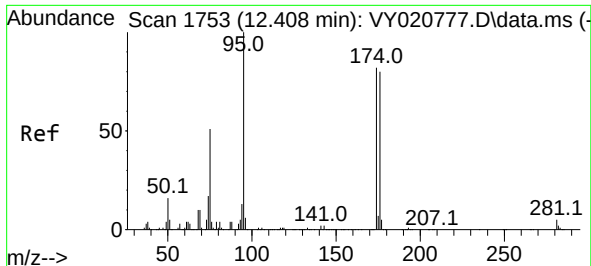
Tgt Ion: 98 Resp: 399401
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.481 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

Tgt Ion: 43 Resp: 1638
Ion Ratio Lower Upper
43 100
58 34.6 34.8 52.2#

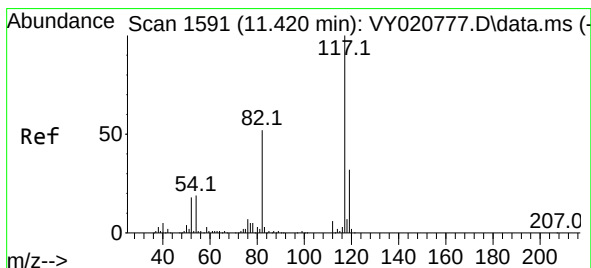
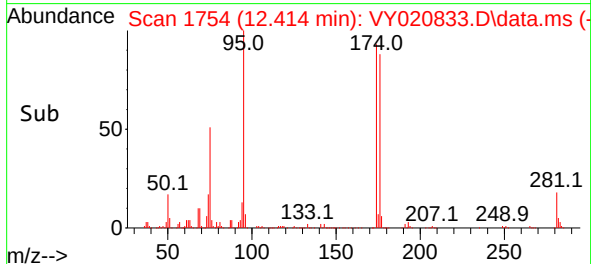
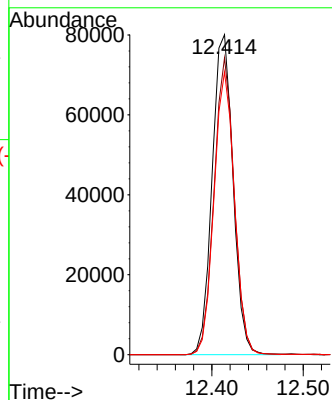
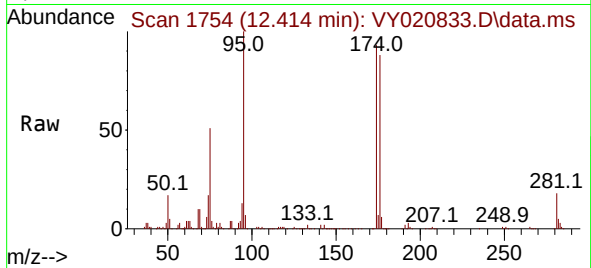




#62
4-Bromofluorobenzene
Concen: 46.174 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

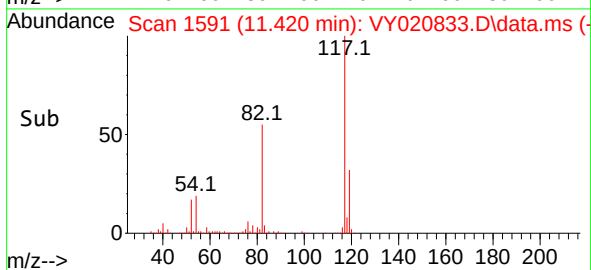
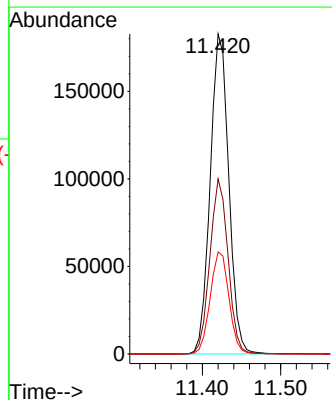
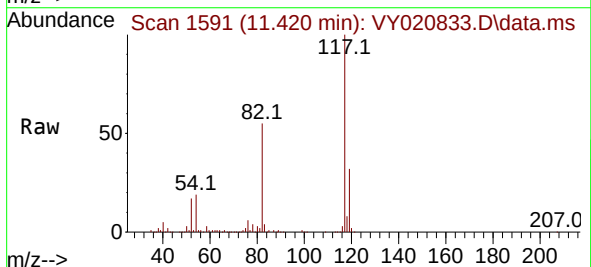
Instrument :
MSVOA_Y
ClientSampleId :

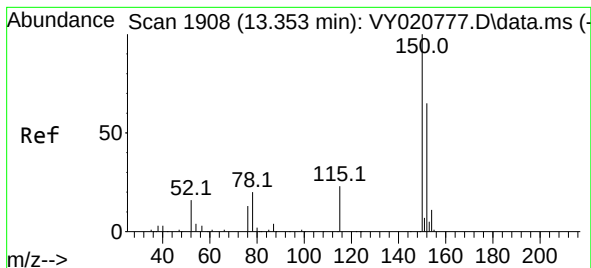
Tgt Ion: 95 Resp: 127457
Ion Ratio Lower Upper
95 100
174 89.9 0.0 178.0
176 86.7 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020833.D
Acq: 15 Jan 2025 13:58

Tgt Ion: 117 Resp: 300735
Ion Ratio Lower Upper
117 100
82 54.7 41.8 62.6
119 31.9 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: VY020833.D

Acq: 15 Jan 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

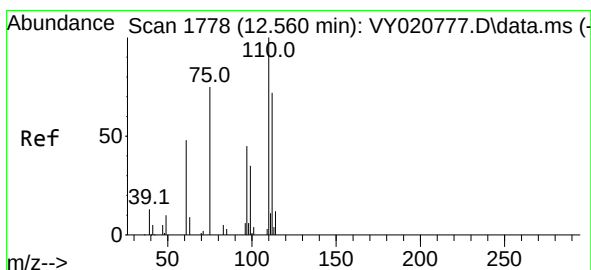
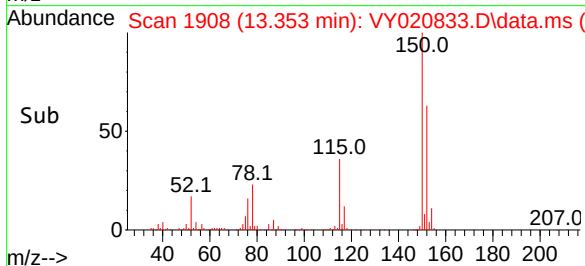
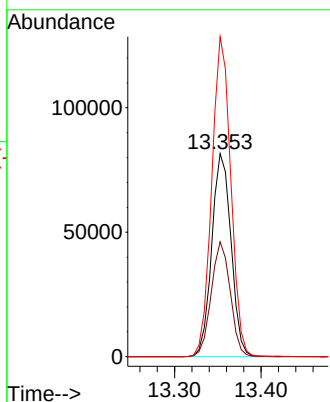
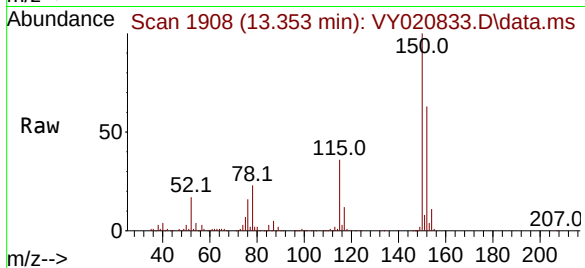
Tgt Ion:152 Resp: 126182

Ion Ratio Lower Upper

152 100

115 55.7 29.0 87.0

150 155.1 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 57.877 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY020833.D

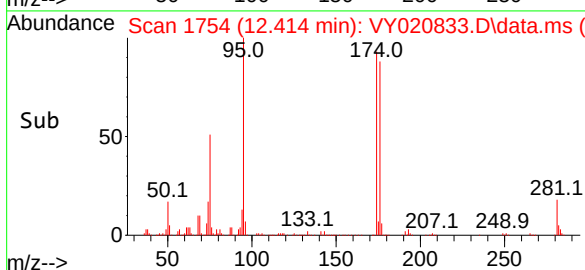
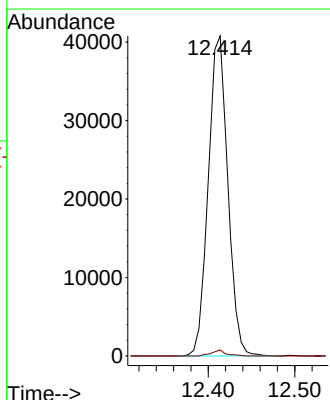
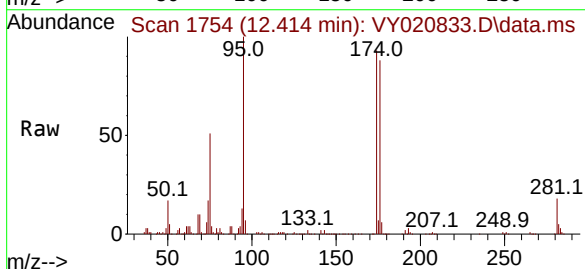
Acq: 15 Jan 2025 13:58

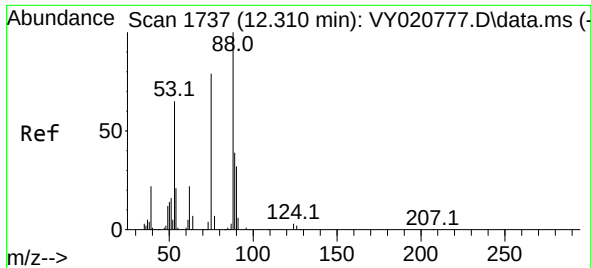
Tgt Ion: 75 Resp: 63900

Ion Ratio Lower Upper

75 100

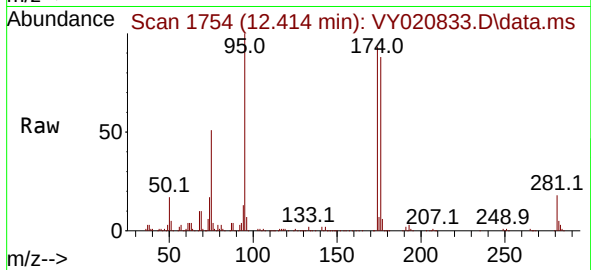
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.036 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY020833.D
 Acq: 15 Jan 2025 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	69.4	104.0#
89	0.3	39.6	59.4#

