

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020852.D
 Acq On : 17 Jan 2025 14:00
 Operator : SY/MD
 Sample : Q1115-06
 Misc : 3.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 23:25:34 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)

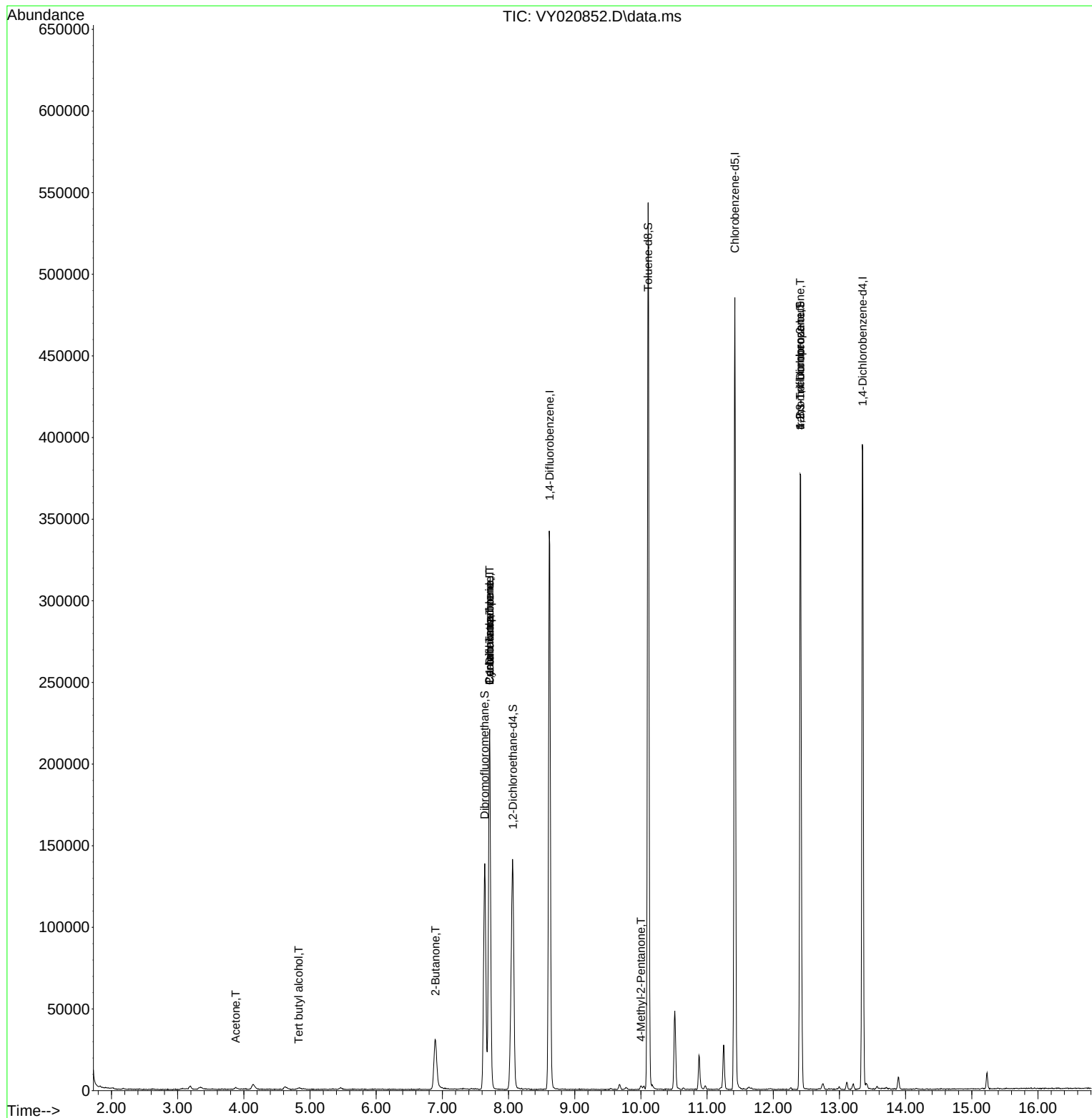
Internal Standards						
1) Pentafluorobenzene	7.713	168	178344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	305063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	269564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	108194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	90323	59.585	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.180%	
35) Dibromofluoromethane	7.640	113	98943	51.770	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.540%	
50) Toluene-d8	10.109	98	357761	53.698	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.400%	
62) 4-Bromofluorobenzene	12.408	95	111454	45.300	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 90.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	726	6.338	ug/l #	73
16) Acetone	3.879	43	2051	9.515	ug/l #	82
25) 2-Butanone	6.896	43	1877	5.301	ug/l #	64
31) Cyclohexane	7.713	56	2873	1.303	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	12189	5.000	ug/l #	49
38) Carbon Tetrachloride	7.713	117	17205	5.070	ug/l #	17
51) 4-Methyl-2-Pentanone	9.999	43	1546	1.568	ug/l	98
76) 1,2,3-Trichloropropane	12.408	75	56444	59.623	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	56444	125.718	ug/l #	14

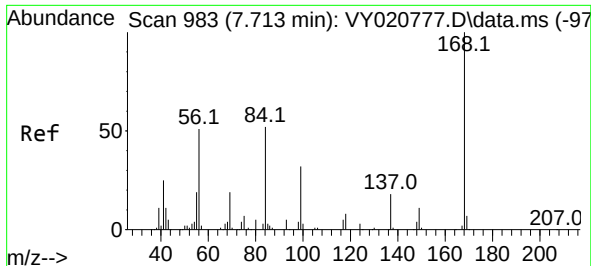
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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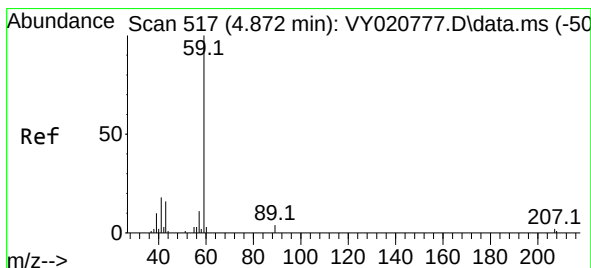
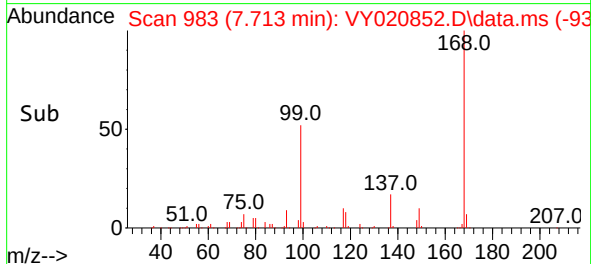
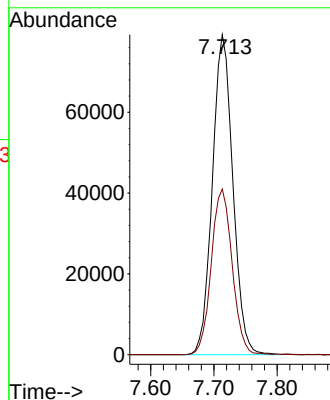
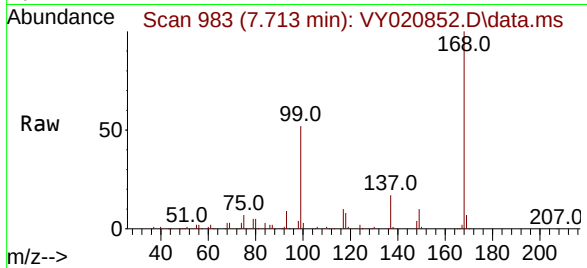




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

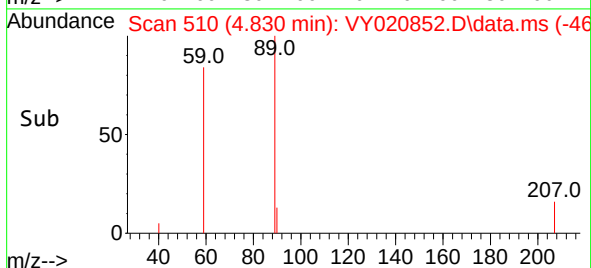
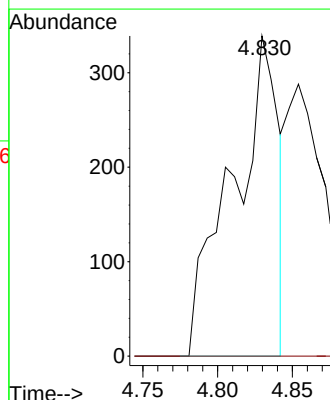
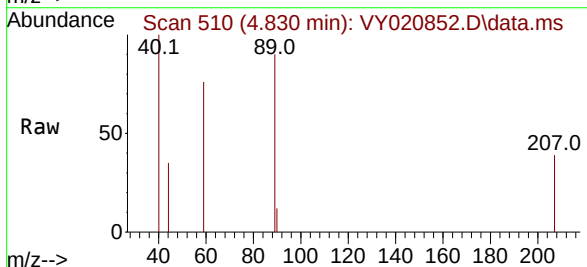
Instrument :
MSVOA_Y
ClientSampleId :

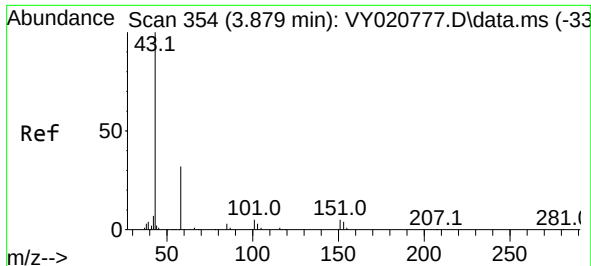
Tgt Ion:168 Resp: 178344
Ion Ratio Lower Upper
168 100
99 51.8 44.3 66.5



#11
Tert butyl alcohol
Concen: 6.338 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.043 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 59 Resp: 726
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

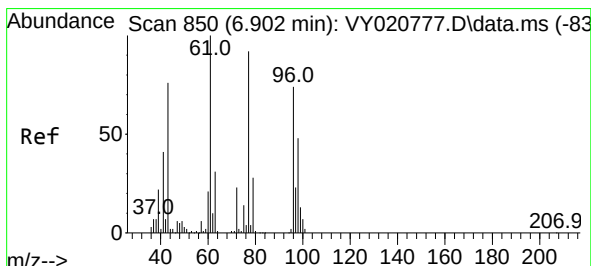
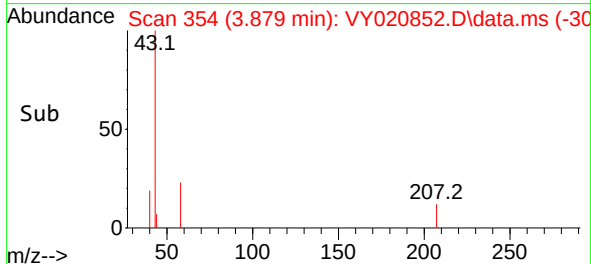
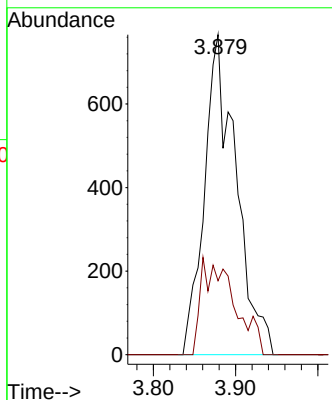
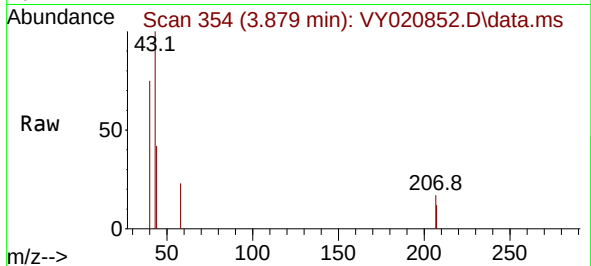




#16
Acetone
Concen: 9.515 ug/l
RT: 3.879 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

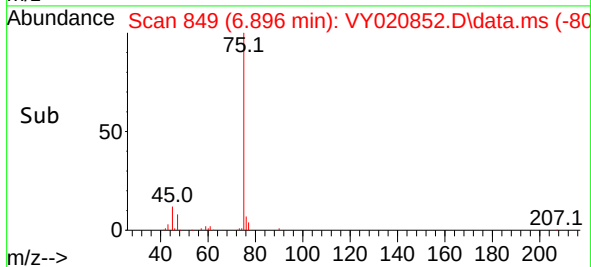
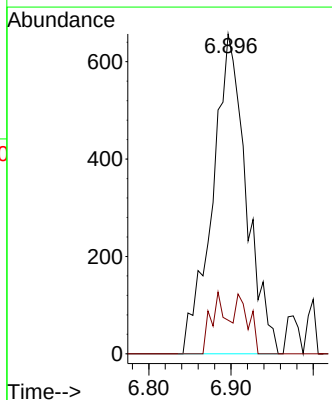
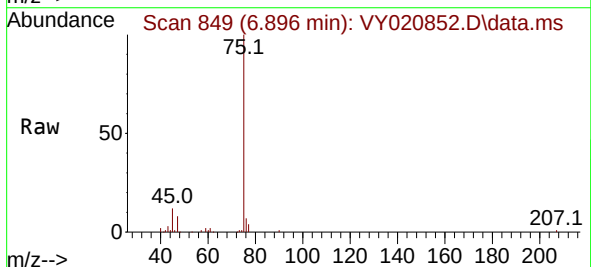
Instrument :
MSVOA_Y
ClientSampleId :

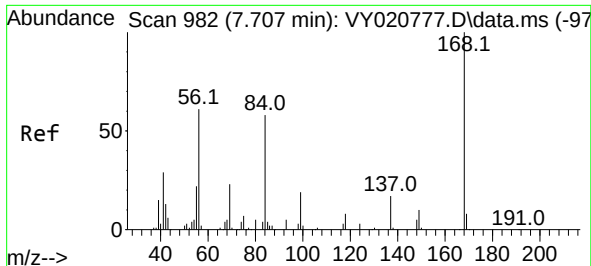
Tgt Ion: 43 Resp: 2051
Ion Ratio Lower Upper
43 100
58 23.1 26.7 40.1#



#25
2-Butanone
Concen: 5.301 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

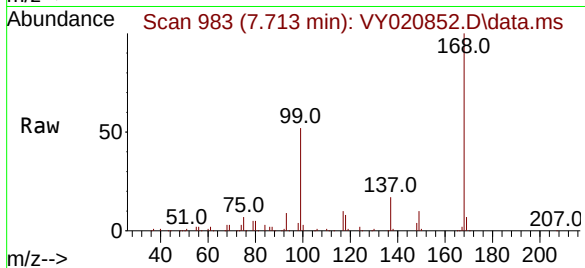
Tgt Ion: 43 Resp: 1877
Ion Ratio Lower Upper
43 100
72 10.5 24.0 36.0#



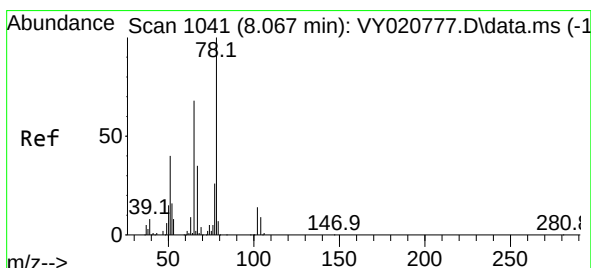
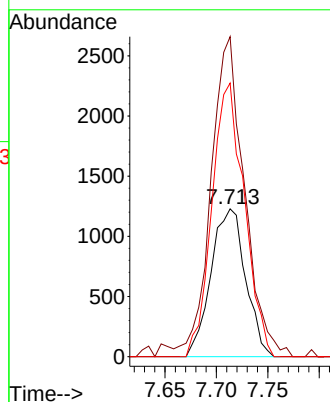
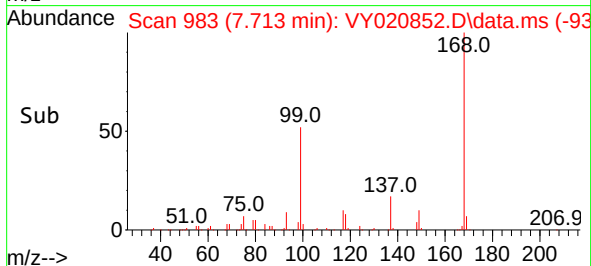


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

Instrument :
MSVOA_Y
ClientSampleId :

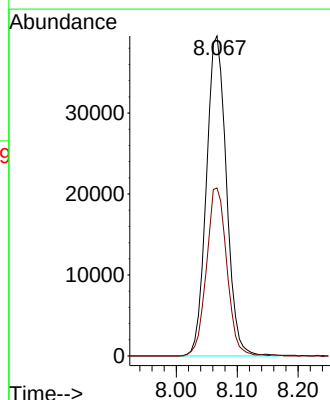
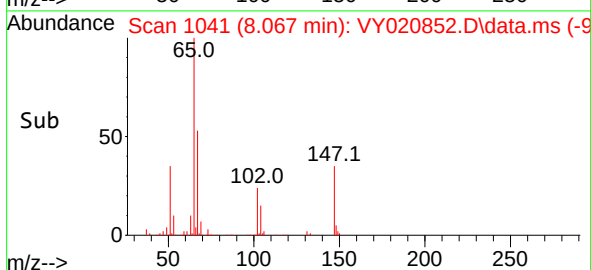
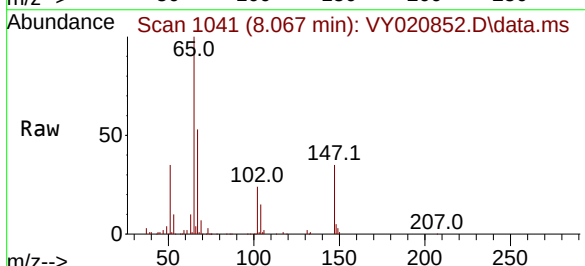


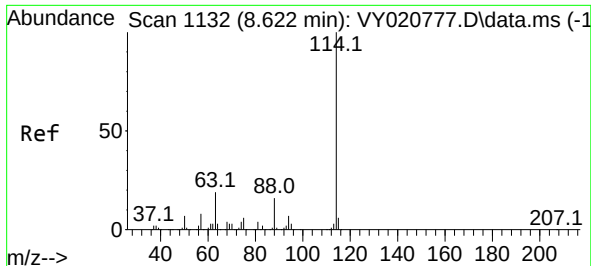
Tgt Ion: 56 Resp: 2873
Ion Ratio Lower Upper
56 100
69 211.8 30.5 45.7#
84 185.0 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 59.585 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

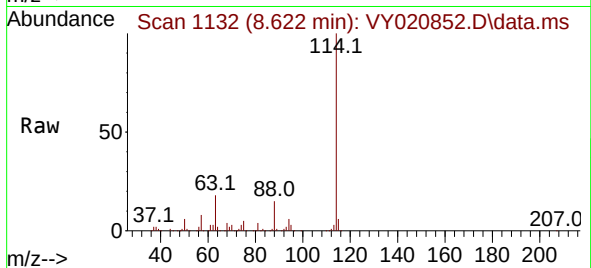
Tgt Ion: 65 Resp: 90323
Ion Ratio Lower Upper
65 100
67 53.3 0.0 102.8



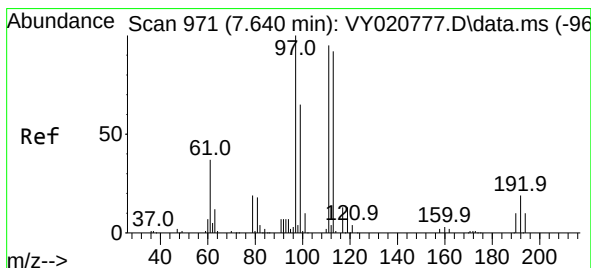
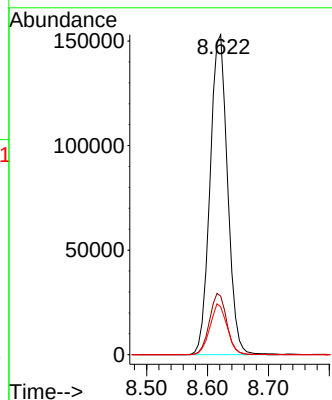
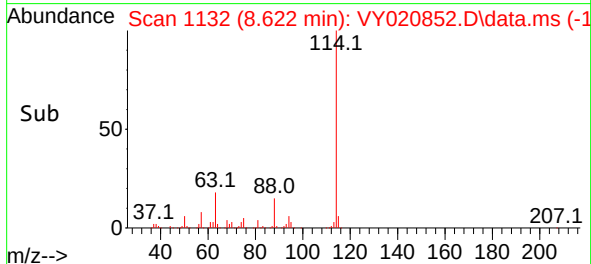


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

Instrument :
MSVOA_Y
ClientSampleId :

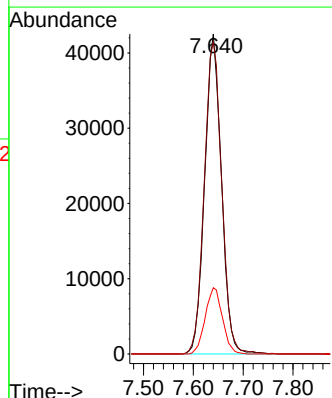
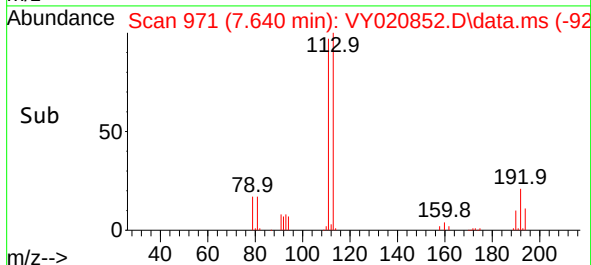
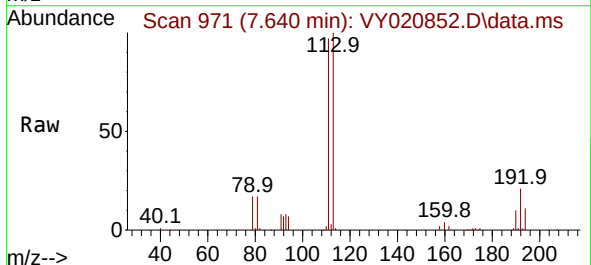


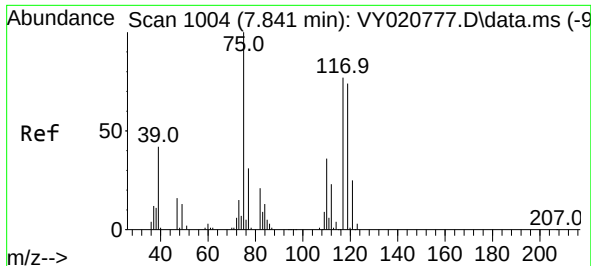
Tgt Ion:114 Resp: 305063
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.4
88 15.0 0.0 31.2



#35
Dibromofluoromethane
Concen: 51.770 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

Tgt Ion:113 Resp: 98943
Ion Ratio Lower Upper
113 100
111 101.8 81.7 122.5
192 21.3 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.000 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

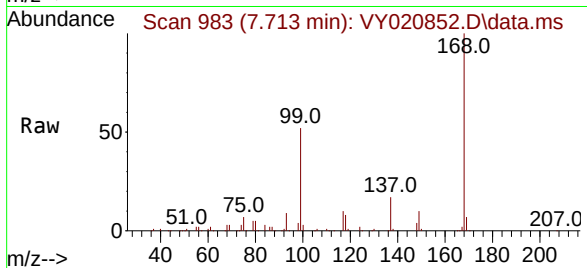
Lab File: VY020852.D

Acq: 17 Jan 2025 14:00

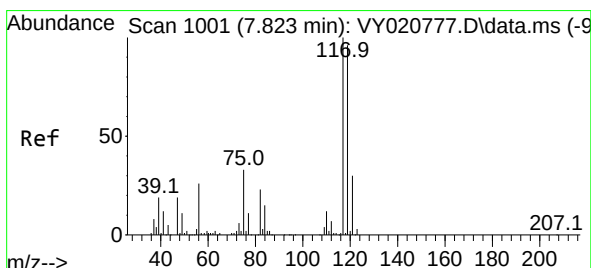
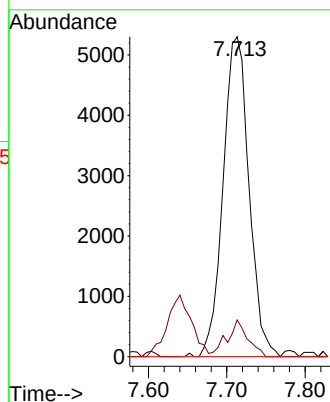
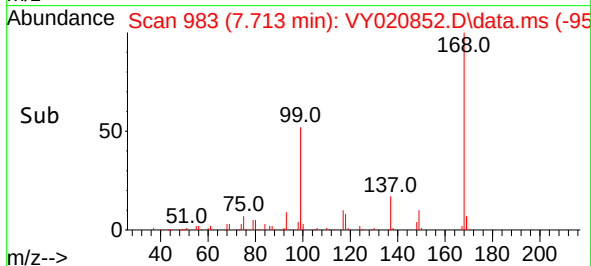
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 12189
Ion Ratio	Lower Upper
75	100
110	9.2 18.5 55.5#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.070 ug/l

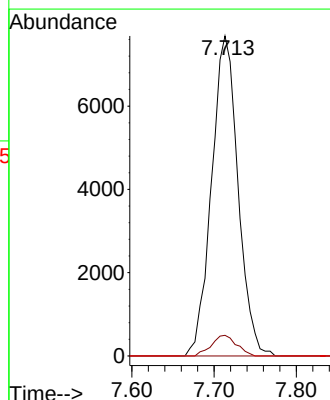
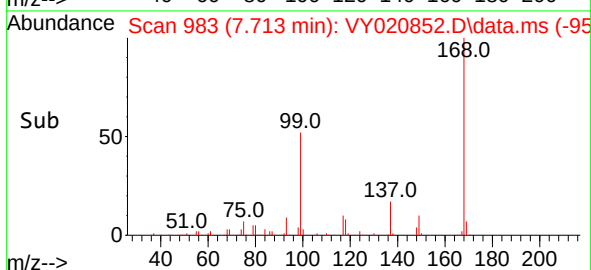
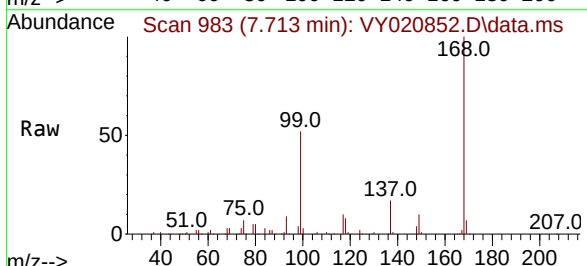
RT: 7.713 min Scan# 983

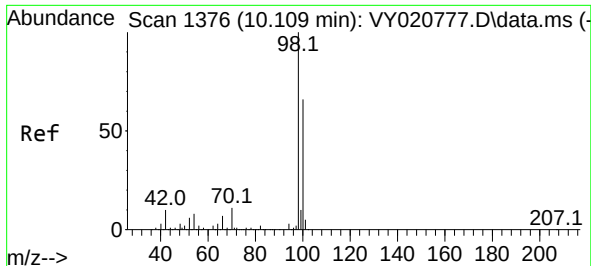
Delta R.T. -0.110 min

Lab File: VY020852.D

Acq: 17 Jan 2025 14:00

Tgt Ion: 117	Resp: 17205
Ion Ratio	Lower Upper
117	100
119	6.5 76.5 114.7#
121	0.0 24.3 36.5#

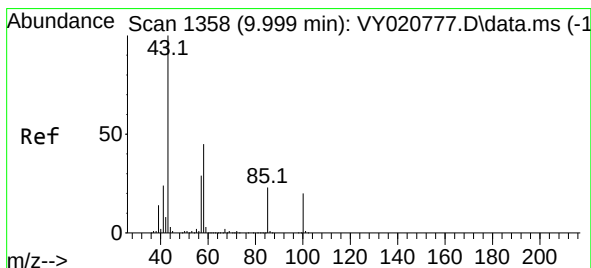
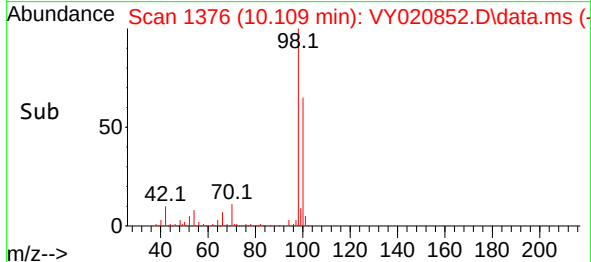
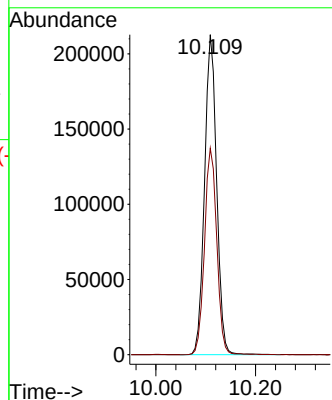
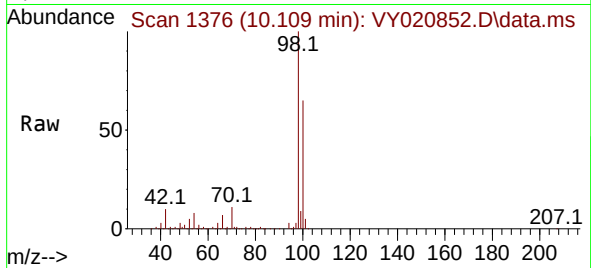




#50
Toluene-d8
Concen: 53.698 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

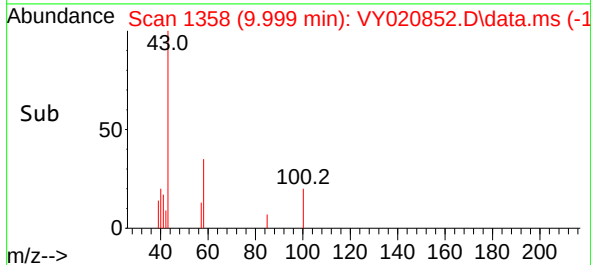
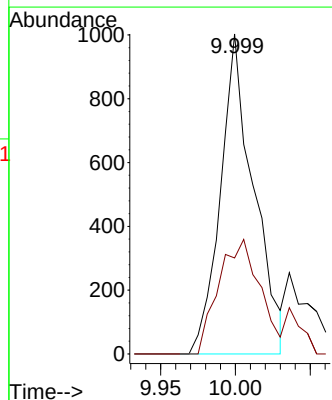
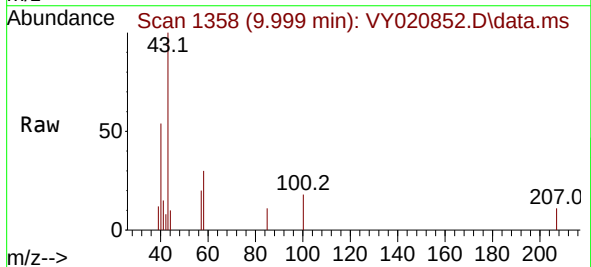
Instrument :
MSVOA_Y
ClientSampleId :

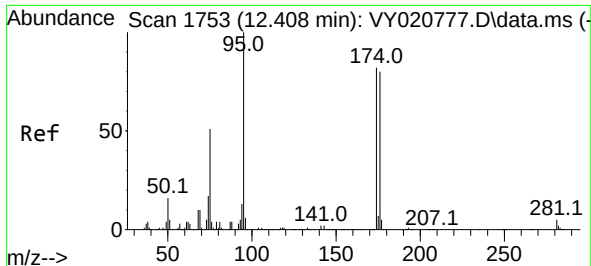
Tgt Ion: 98 Resp: 357761
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.568 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
58 44.8 34.8 52.2

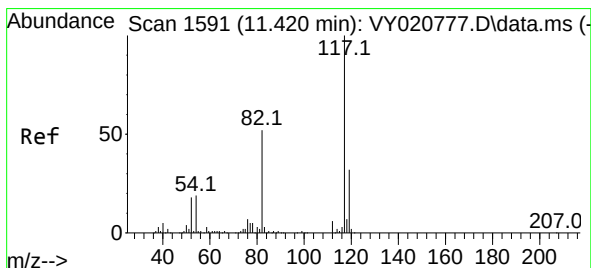
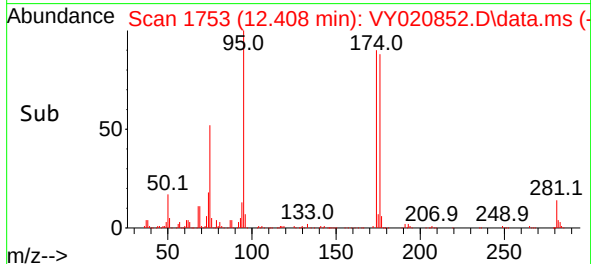
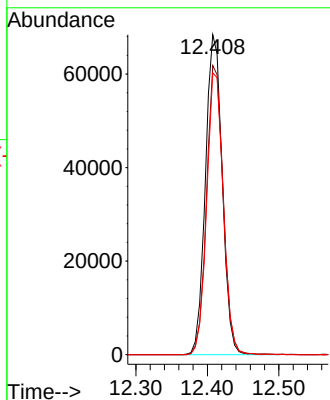
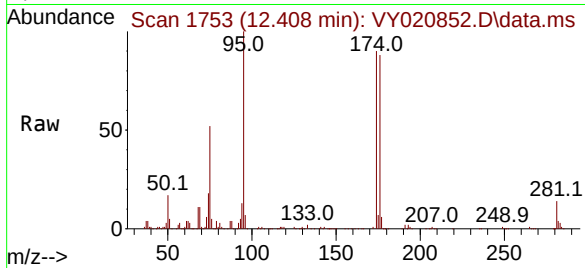




#62
4-Bromofluorobenzene
Concen: 45.300 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

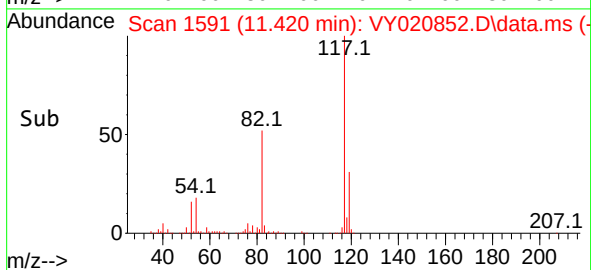
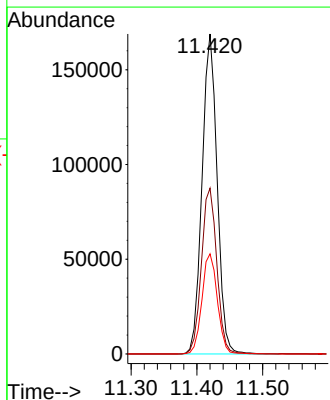
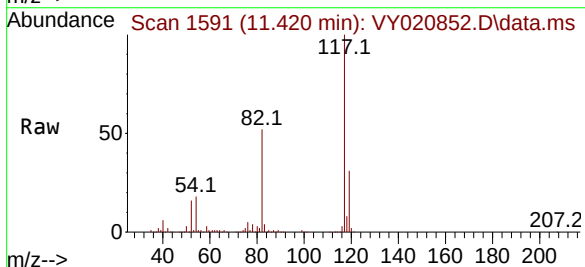
Instrument :
MSVOA_Y
ClientSampleId :

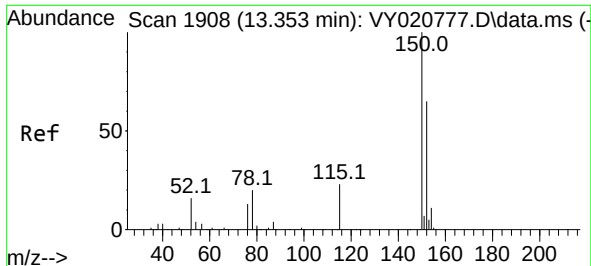
Tgt Ion: 95 Resp: 111454
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.0
176 86.8 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY020852.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 117 Resp: 269564
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.6
119 31.3 25.8 38.8

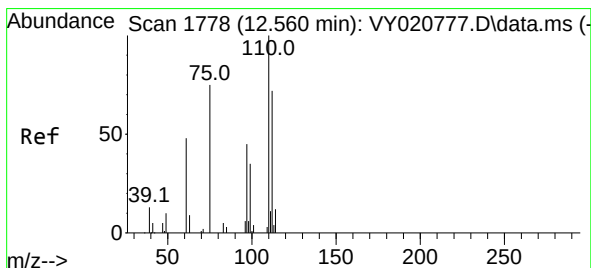
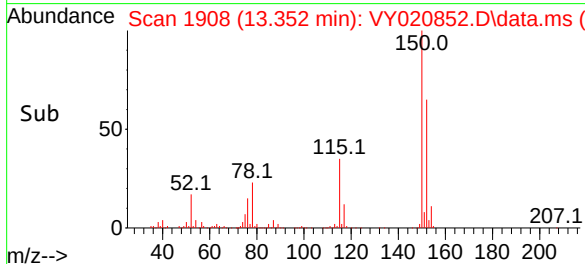
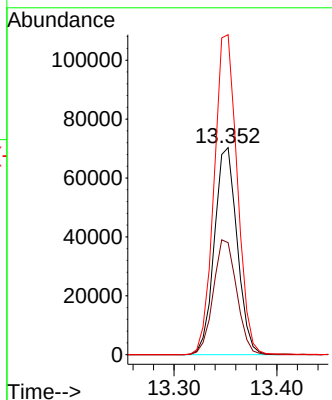
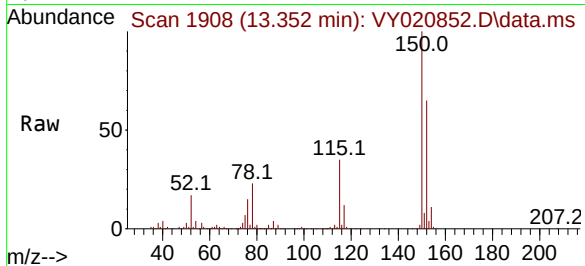




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY020852.D
 Acq: 17 Jan 2025 14:00

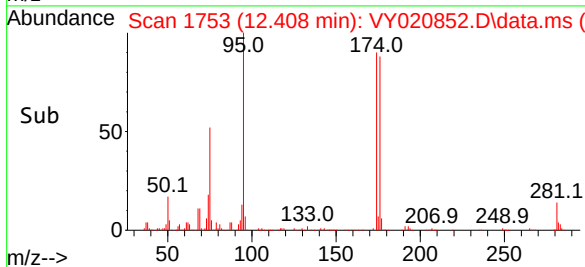
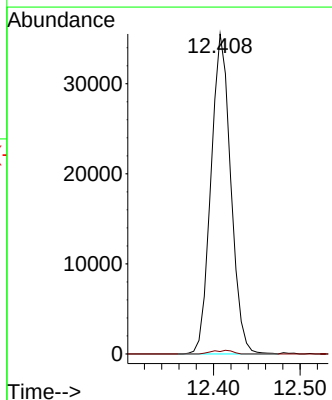
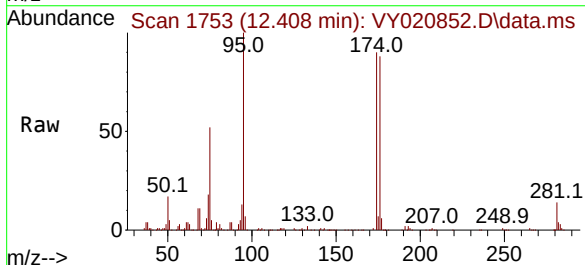
Instrument :
 MSVOA_Y
 ClientSampleId :

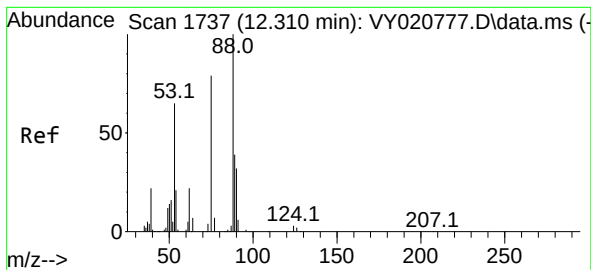
Tgt Ion:152 Resp: 108194
 Ion Ratio Lower Upper
 152 100
 115 56.9 29.0 87.0
 150 157.1 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 59.623 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY020852.D
 Acq: 17 Jan 2025 14:00

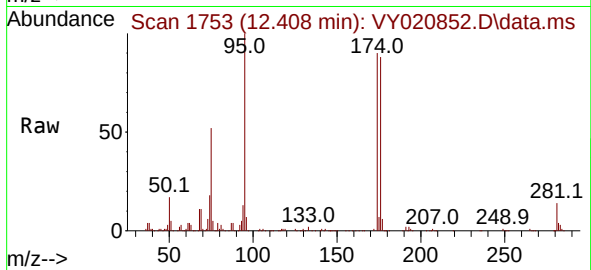
Tgt Ion: 75 Resp: 56444
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.718 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY020852.D
 Acq: 17 Jan 2025 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 56444
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.0#
 89 0.2 39.6 59.4#

