

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021264.D
 Acq On : 20 Feb 2025 21:00
 Operator : SY/MD
 Sample : Q1382-11
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:47:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

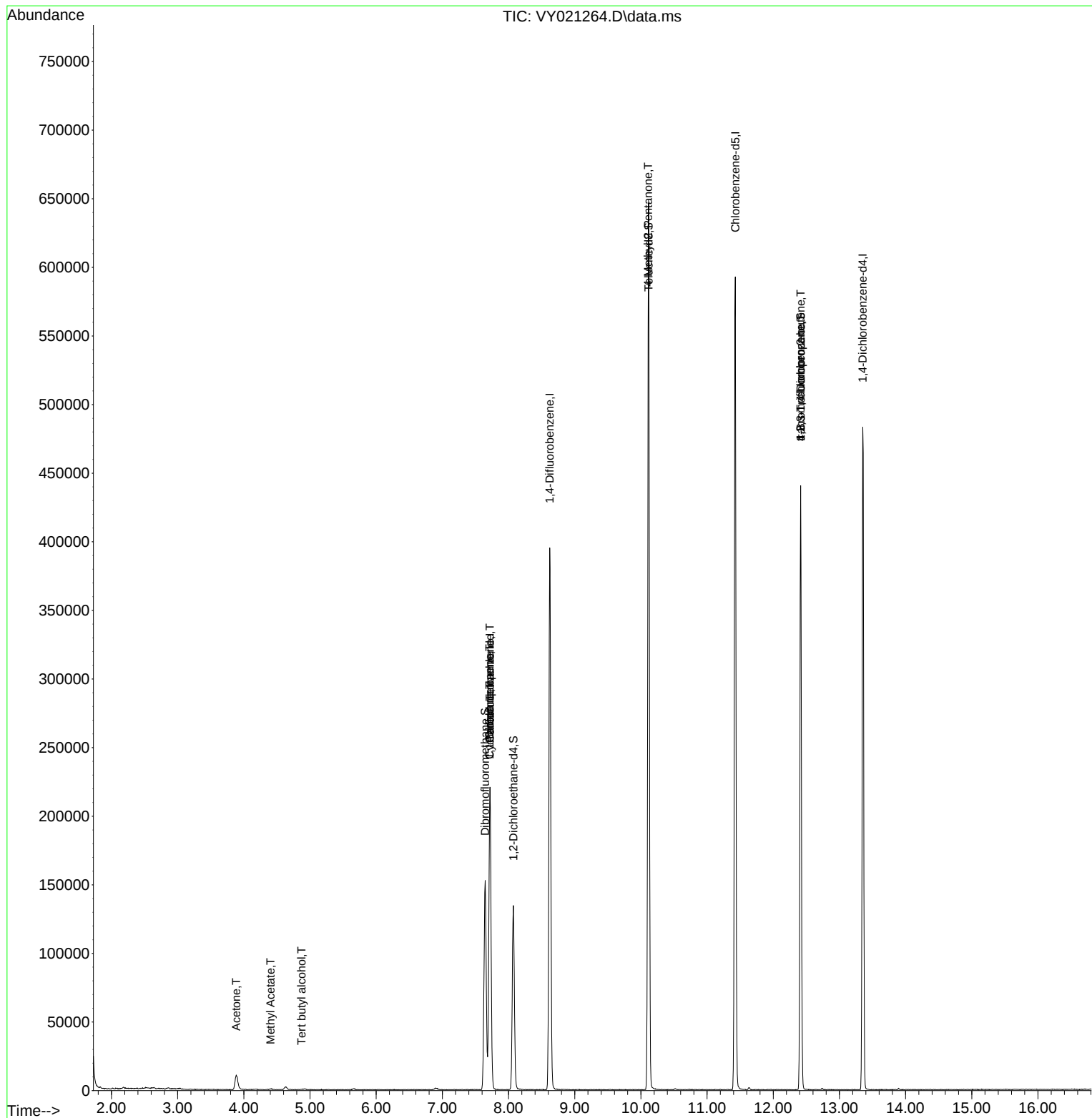
Internal Standards						
1) Pentafluorobenzene	7.719	168	168061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	325406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	303945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	119761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	105357	61.186	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.380%	
35) Dibromofluoromethane	7.646	113	106723	51.176	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.360%	
50) Toluene-d8	10.115	98	402696	50.722	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.440%	
62) 4-Bromofluorobenzene	12.414	95	127552	49.177	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	284	2.434	ug/l #	75
16) Acetone	3.885	43	21390	79.656	ug/l #	87
18) Methyl Acetate	4.403	43	1134	1.203	ug/l #	67
31) Cyclohexane	7.713	56	4146	1.412	ug/l #	28
36) 1,1-Dichloropropene	7.713	75	13680	4.429	ug/l #	51
38) Carbon Tetrachloride	7.719	117	17633	4.886	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2027	1.497	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	70806	65.176	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	70806	132.990	ug/l #	12

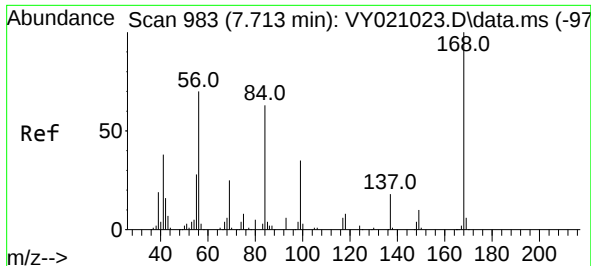
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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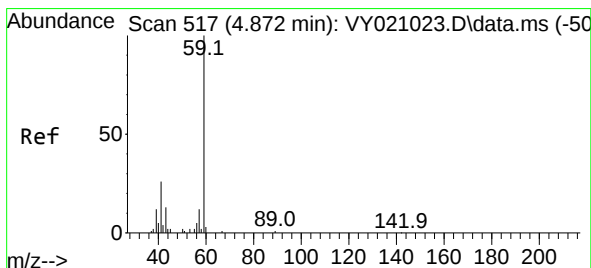
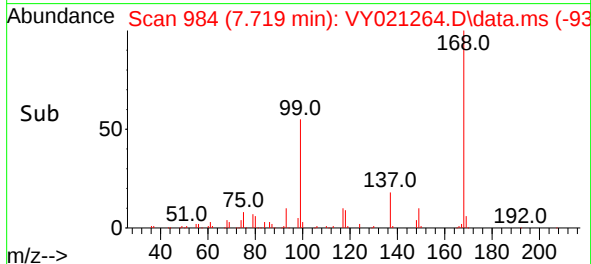
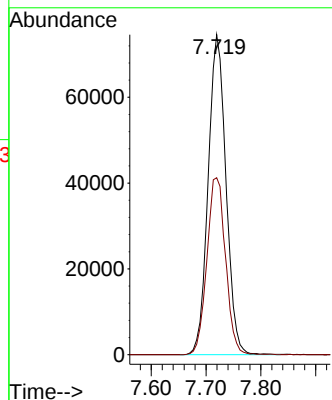
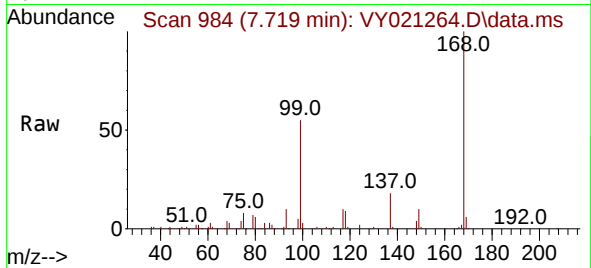




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021264.D
Acq: 20 Feb 2025 21:00

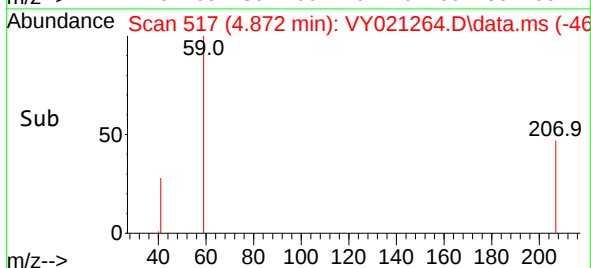
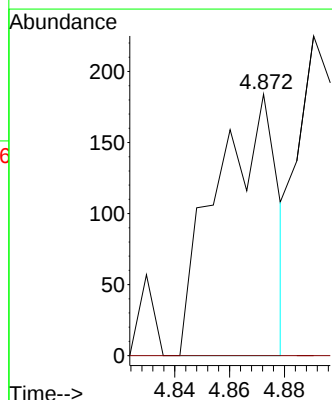
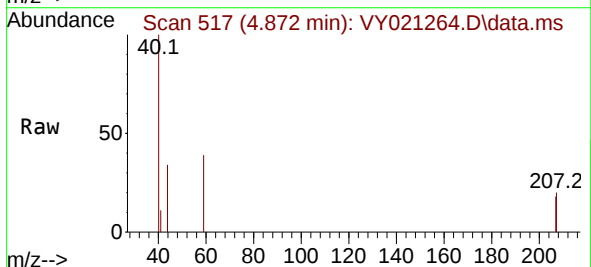
Instrument :
MSVOA_Y
ClientSampleId :

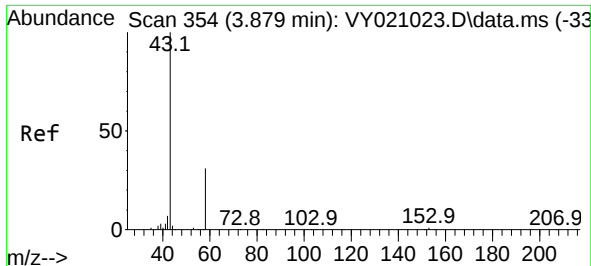
Tgt Ion:168 Resp: 168061
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.434 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY021264.D
Acq: 20 Feb 2025 21:00

Tgt Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

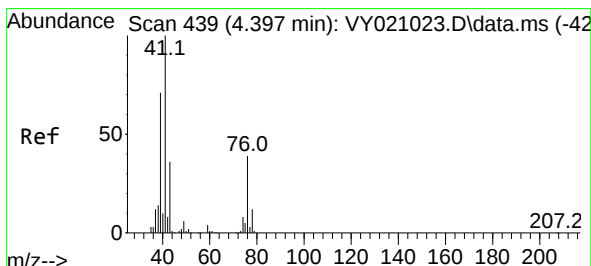
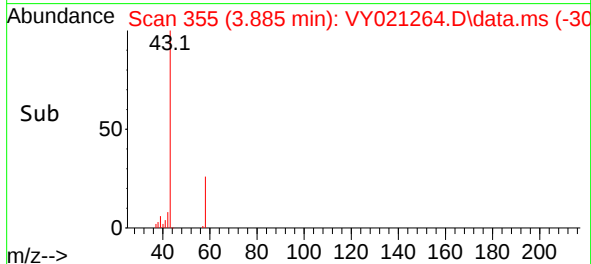
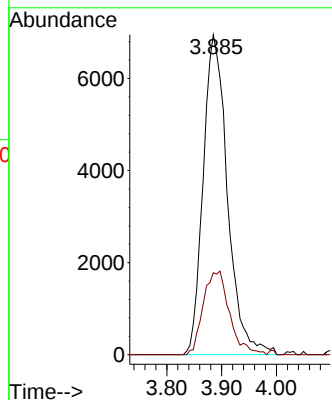
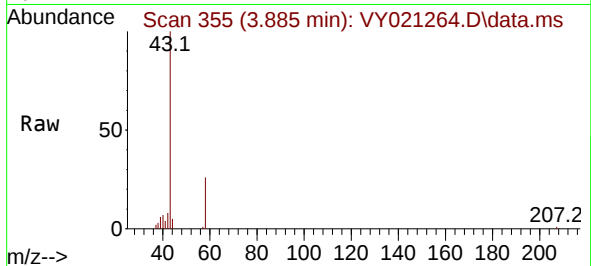




#16
Acetone
Concen: 79.656 ug/l
RT: 3.885 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY021264.D
Acq: 20 Feb 2025 21:00

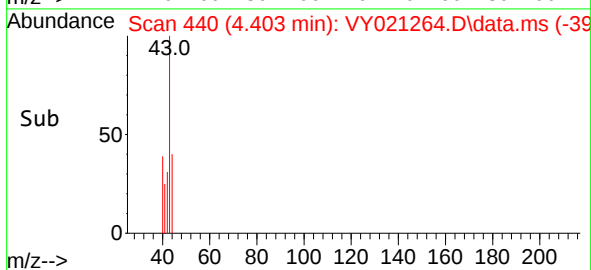
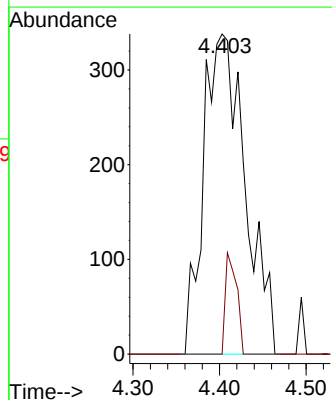
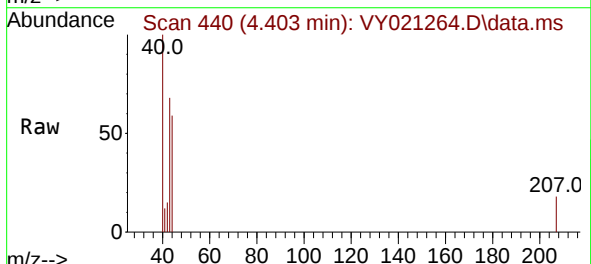
Instrument :
MSVOA_Y
ClientSampleId :

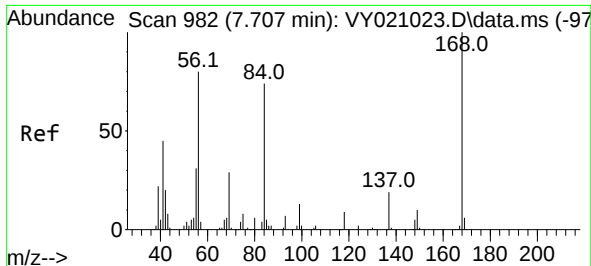
Tgt Ion: 43 Resp: 21390
Ion Ratio Lower Upper
43 100
58 25.6 26.6 39.8#



#18
Methyl Acetate
Concen: 1.203 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY021264.D
Acq: 20 Feb 2025 21:00

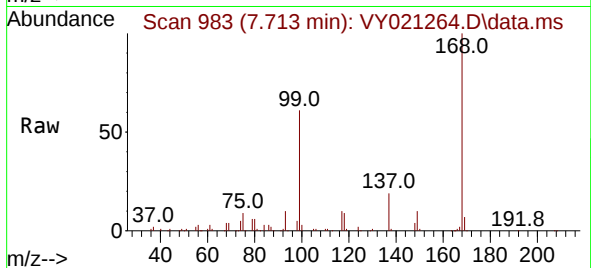
Tgt Ion: 43 Resp: 1134
Ion Ratio Lower Upper
43 100
74 8.5 19.8 29.6#



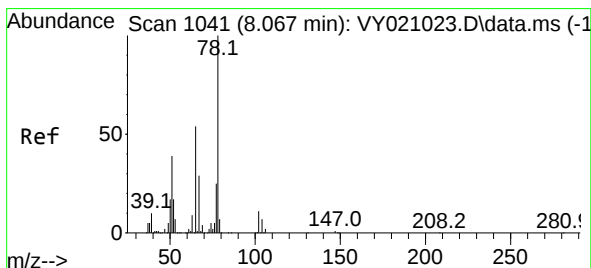
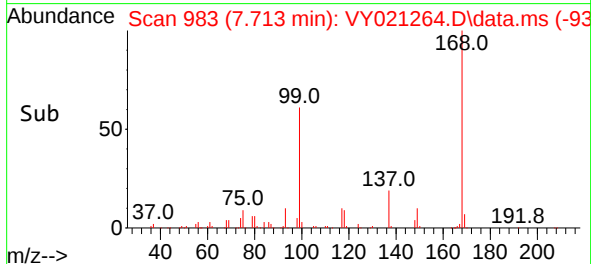
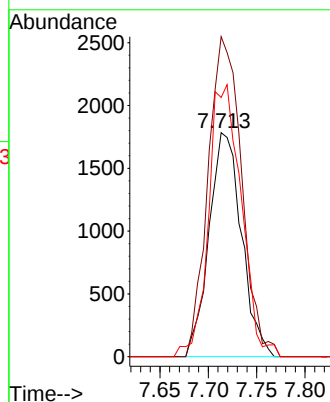


#31
Cyclohexane
Concen: 1.412 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021264.D
Acq: 20 Feb 2025 21:00

Instrument :
MSVOA_Y
ClientSampleId :

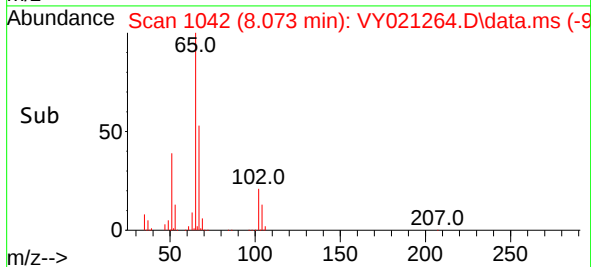
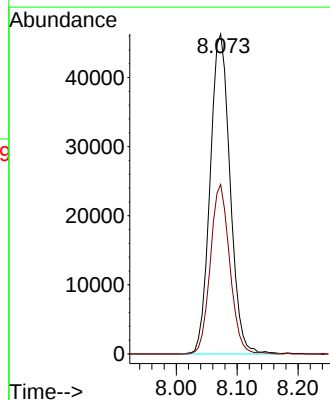
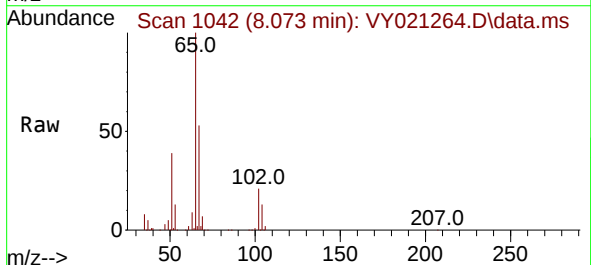


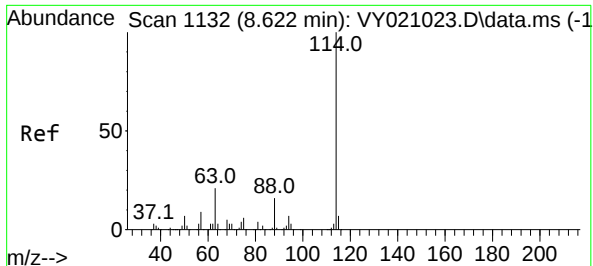
Tgt Ion: 56 Resp: 4146
Ion Ratio Lower Upper
56 100
69 142.8 27.0 40.6#
84 115.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 61.186 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021264.D
Acq: 20 Feb 2025 21:00

Tgt Ion: 65 Resp: 105357
Ion Ratio Lower Upper
65 100
67 51.4 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021264.D

Acq: 20 Feb 2025 21:00

Instrument :

MSVOA_Y

ClientSampleId :

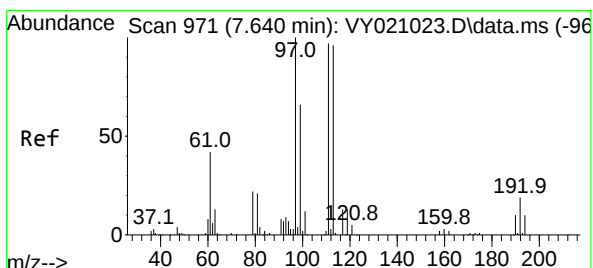
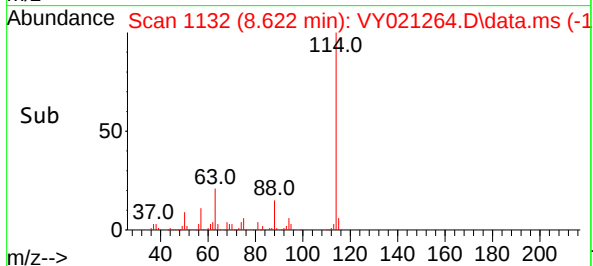
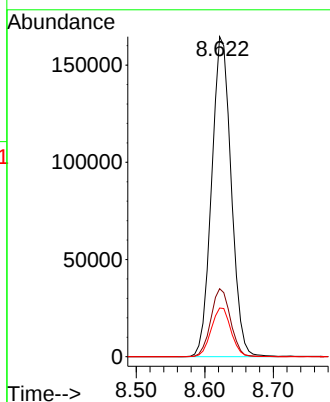
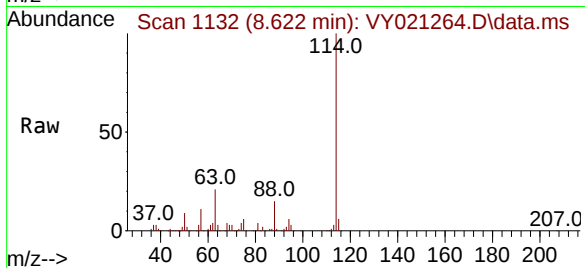
Tgt Ion:114 Resp: 325406

Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.176 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY021264.D

Acq: 20 Feb 2025 21:00

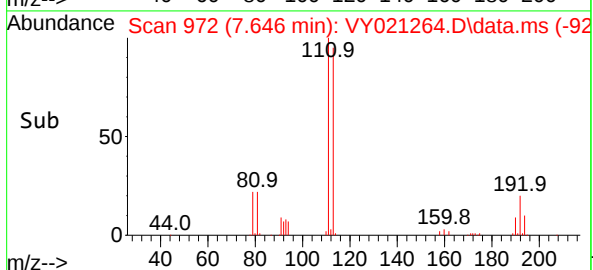
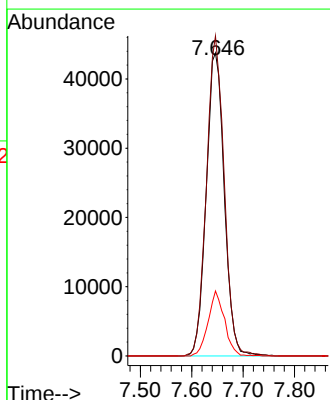
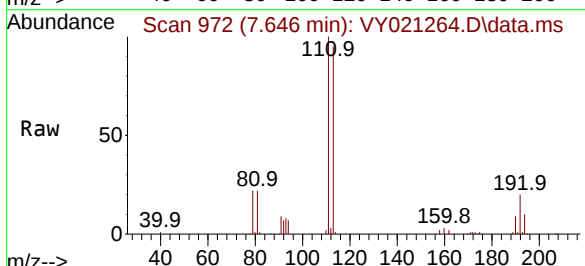
Tgt Ion:113 Resp: 106723

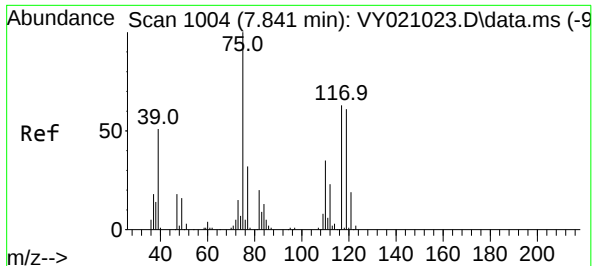
Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 19.5 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.429 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021264.D

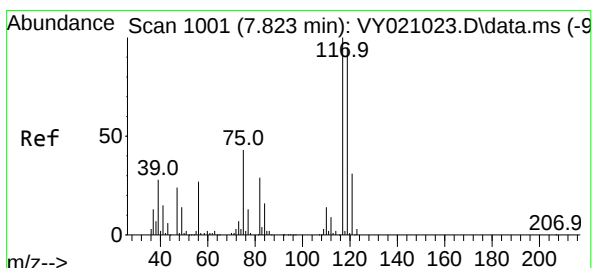
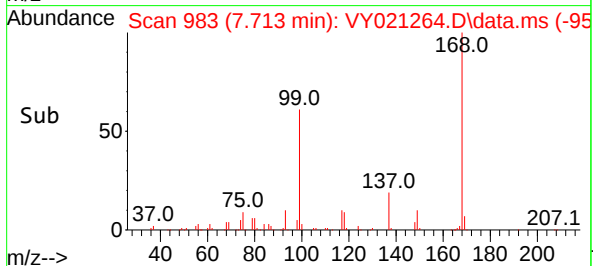
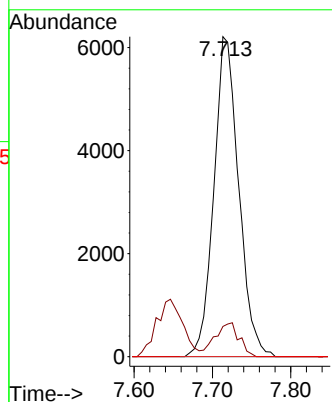
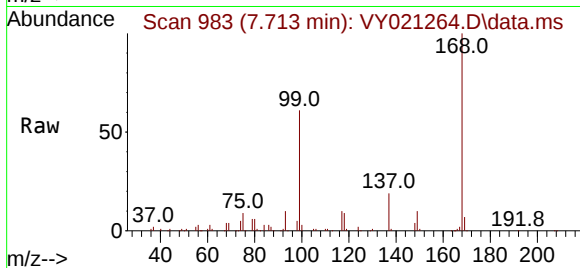
Acq: 20 Feb 2025 21:00

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 13680
Ion Ratio	Lower Upper
75 100	
110 10.4	17.4 52.3#
77 0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.886 ug/l

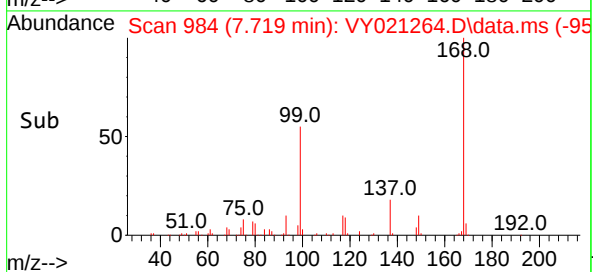
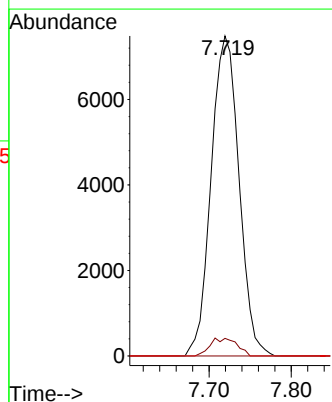
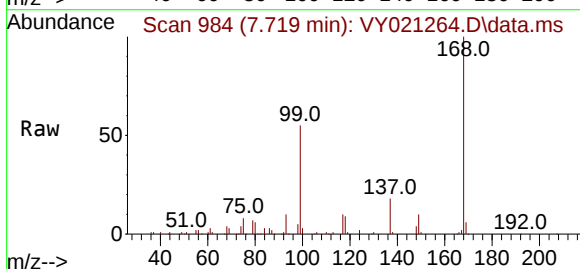
RT: 7.719 min Scan# 984

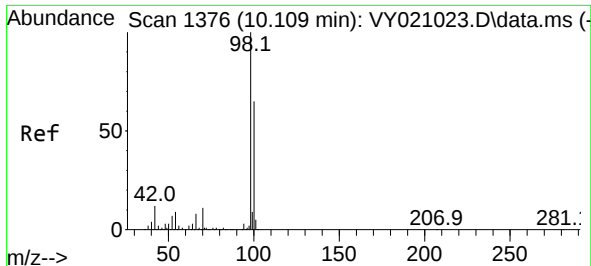
Delta R.T. -0.104 min

Lab File: VY021264.D

Acq: 20 Feb 2025 21:00

Tgt Ion: 117	Resp: 17633
Ion Ratio	Lower Upper
117 100	
119 5.5	76.0 114.0#
121 0.0	24.2 36.2#

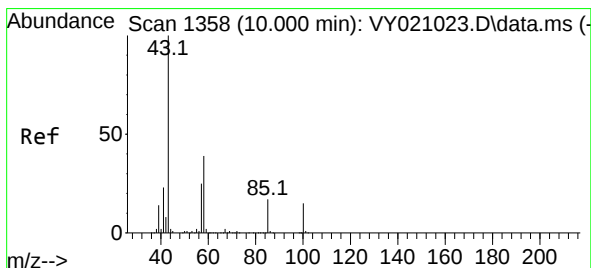
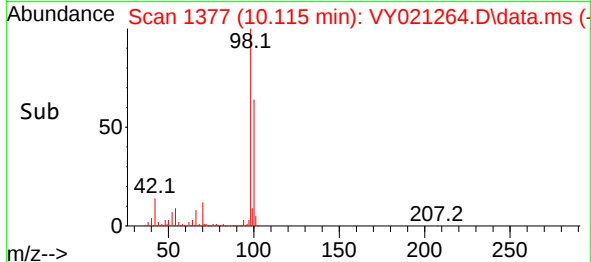
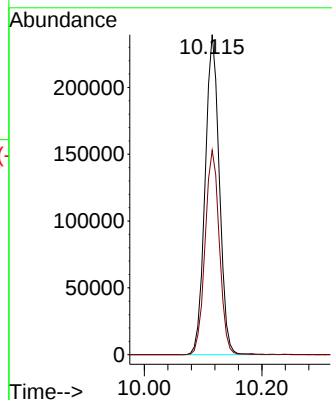
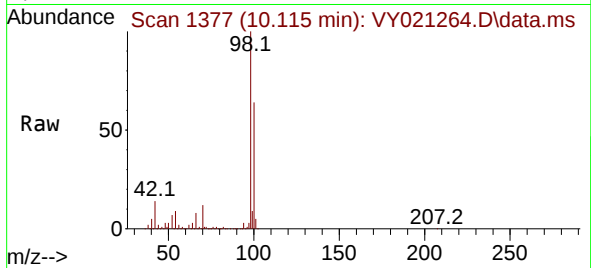




#50
Toluene-d8
Concen: 50.722 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021264.D
Acq: 20 Feb 2025 21:00

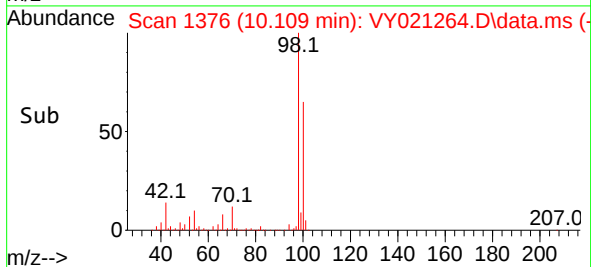
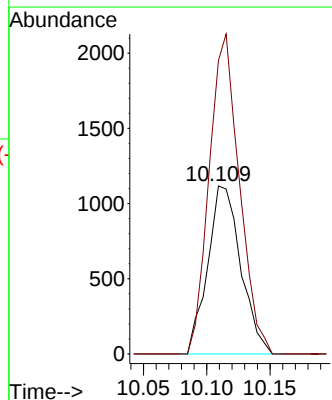
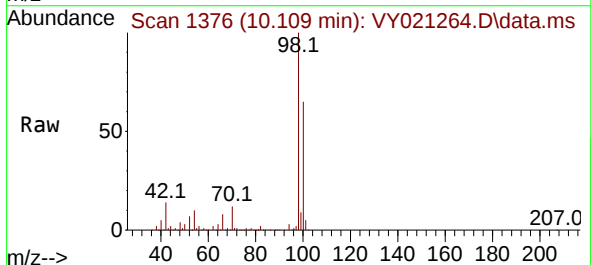
Instrument :
MSVOA_Y
ClientSampleId :

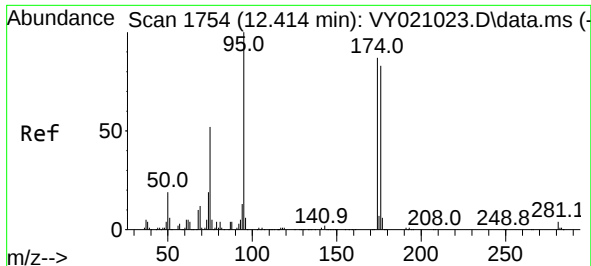
Tgt Ion: 98 Resp: 402696
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.497 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021264.D
Acq: 20 Feb 2025 21:00

Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
58 174.2 32.2 48.2#

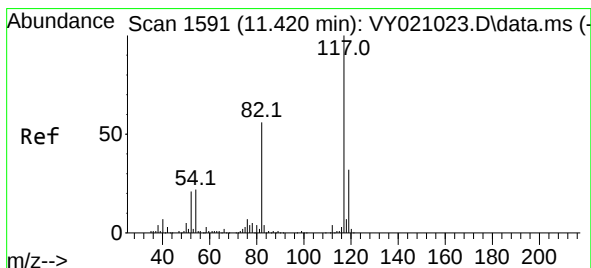
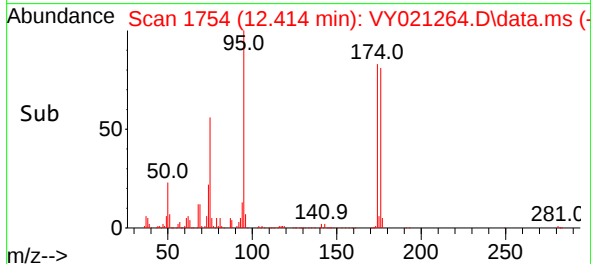
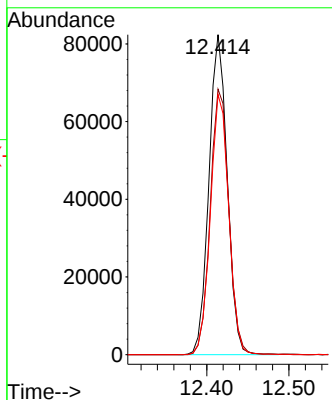
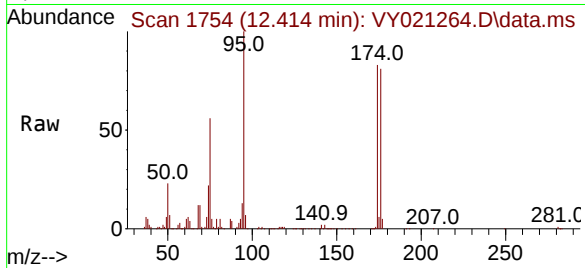




#62
4-Bromofluorobenzene
Concen: 49.177 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021264.D
Acq: 20 Feb 2025 21:00

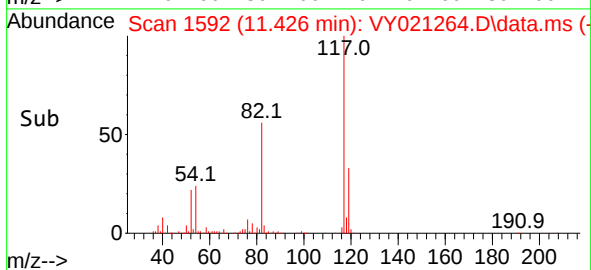
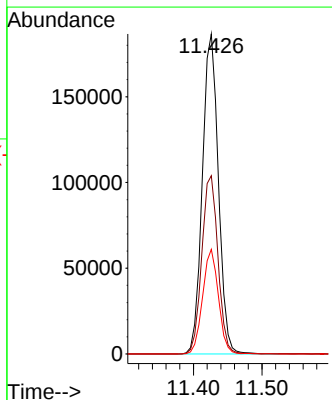
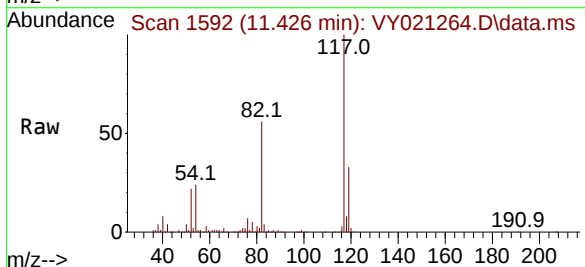
Instrument :
MSVOA_Y
ClientSampleId :

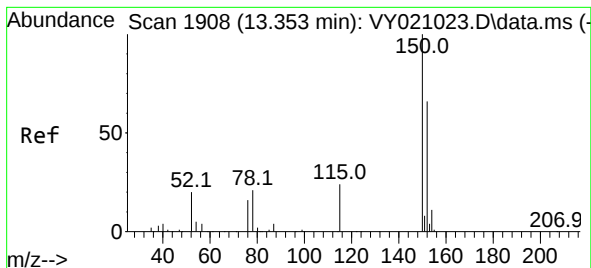
Tgt Ion: 95 Resp: 127552
Ion Ratio Lower Upper
95 100
174 84.4 0.0 160.0
176 81.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021264.D
Acq: 20 Feb 2025 21:00

Tgt Ion: 117 Resp: 303945
Ion Ratio Lower Upper
117 100
82 55.7 43.8 65.8
119 32.7 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021264.D

Acq: 20 Feb 2025 21:00

Instrument :

MSVOA_Y

ClientSampleId :

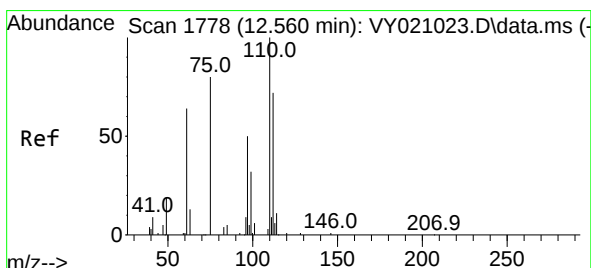
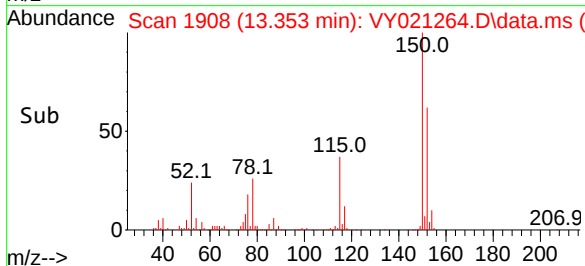
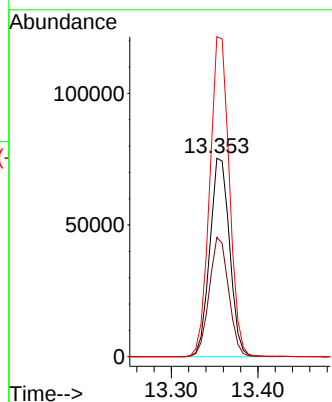
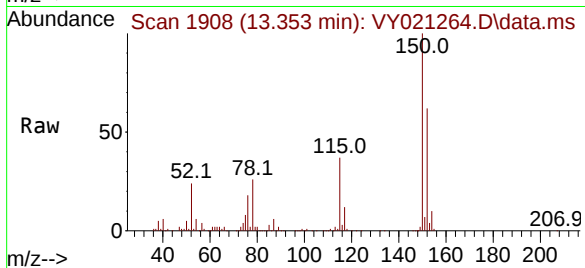
Tgt Ion:152 Resp: 119761

Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

150 159.2 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 65.176 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY021264.D

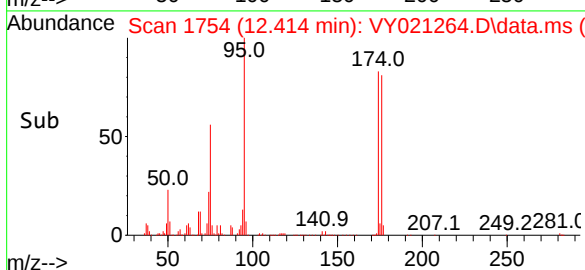
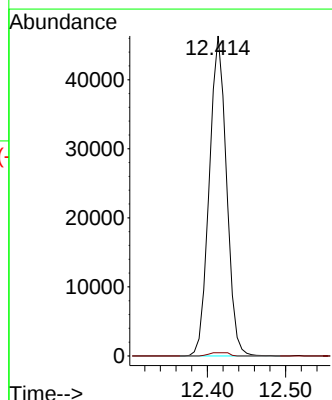
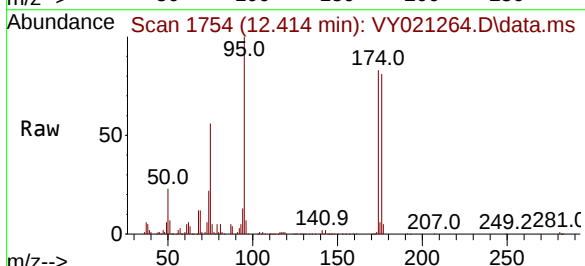
Acq: 20 Feb 2025 21:00

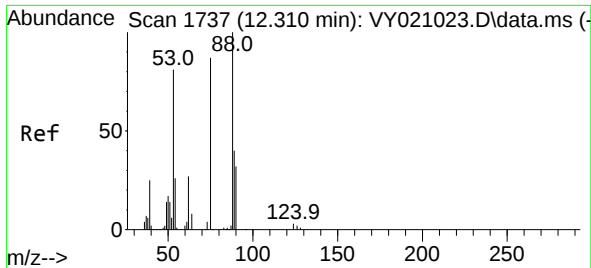
Tgt Ion: 75 Resp: 70806

Ion Ratio Lower Upper

75 100

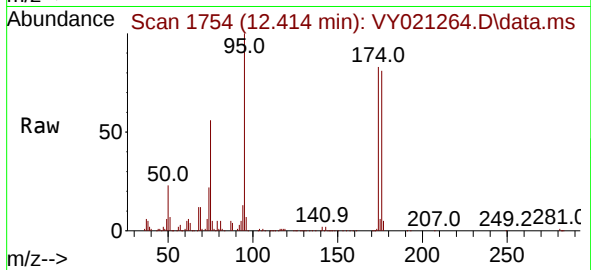
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.990 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY021264.D
 Acq: 20 Feb 2025 21:00

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 70806
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.0 111.0#
 89 0.1 36.5 54.7#

