

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022926.D
 Acq On : 02 Jul 2025 20:37
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 03 02:29:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

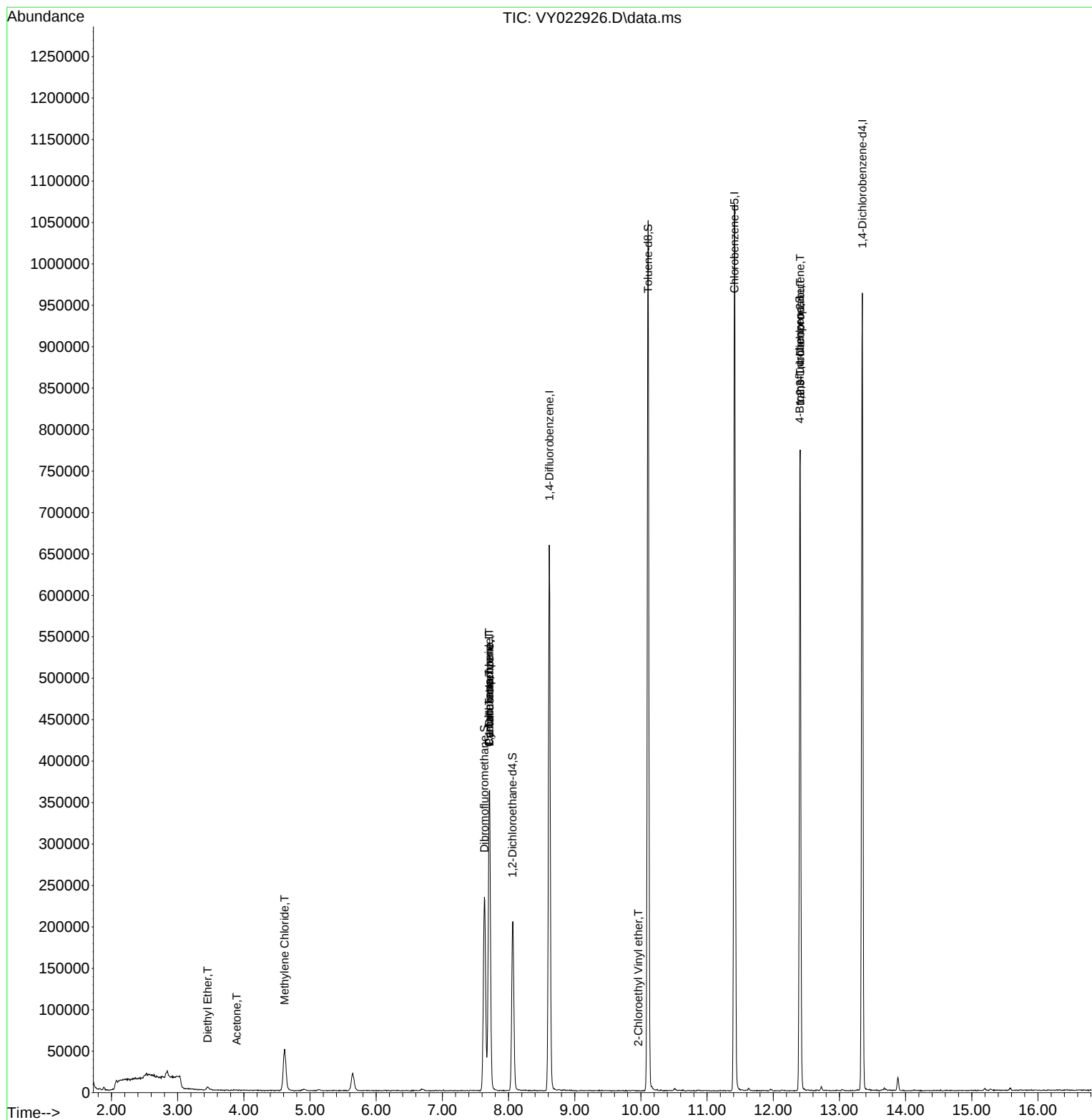
Internal Standards						
1) Pentafluorobenzene	7.713	168	278236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	528328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	536379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	231019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165802	53.392	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.780%	
35) Dibromofluoromethane	7.634	113	167919	52.262	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.520%	
50) Toluene-d8	10.109	98	663480	52.039	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.080%	
62) 4-Bromofluorobenzene	12.402	95	227205	55.434	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.860%	
Target Compounds						Qvalue
8) Diethyl Ether	3.452	74	1999	1.288	ug/l	92
16) Acetone	3.891	43	1294	2.205	ug/l #	81
20) Methylene Chloride	4.616	84	34983	9.438	ug/l	93
31) Cyclohexane	7.707	56	7080	1.327	ug/l #	32
36) 1,1-Dichloropropene	7.707	75	24829	5.098	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28122	5.473	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.963	63	35	15.673	ug/l #	48
76) 1,2,3-Trichloropropane	12.408	75	129124	54.748	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	129124	138.315	ug/l #	11

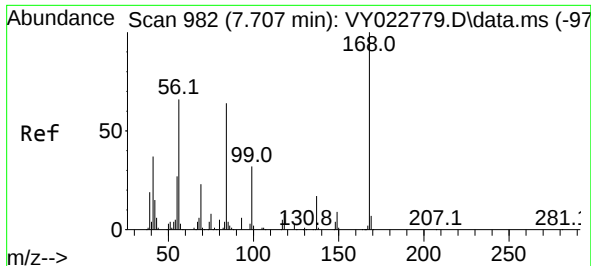
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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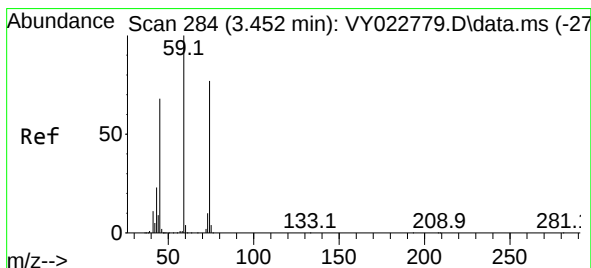
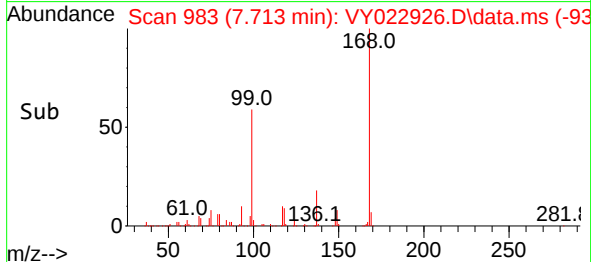
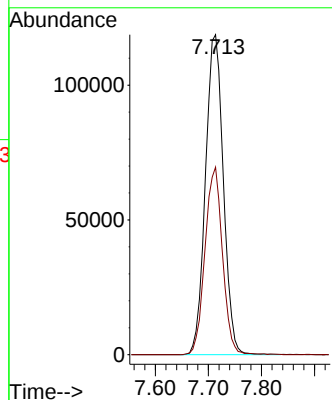
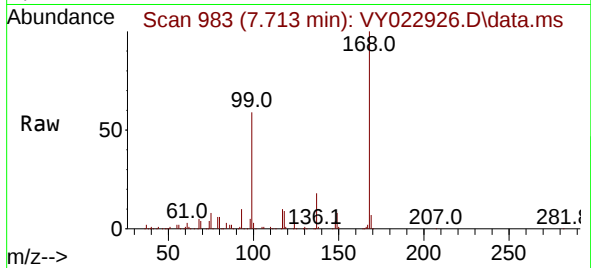




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

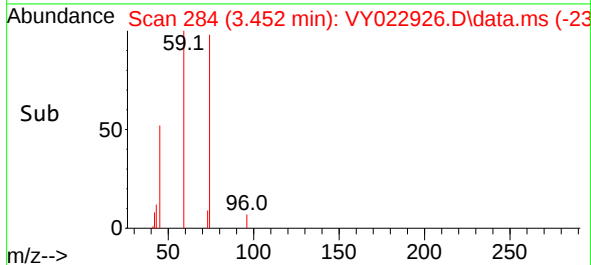
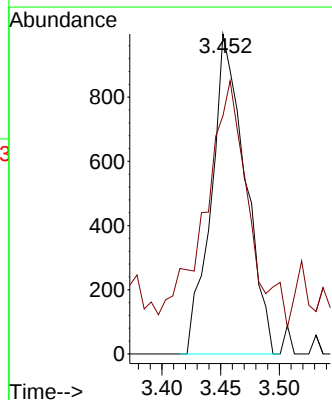
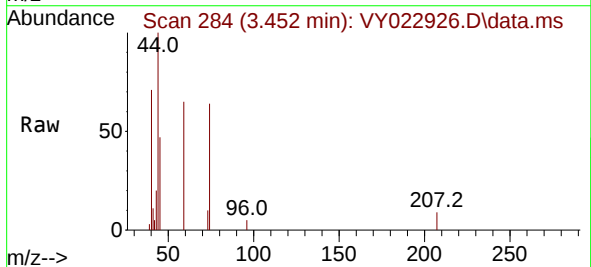
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

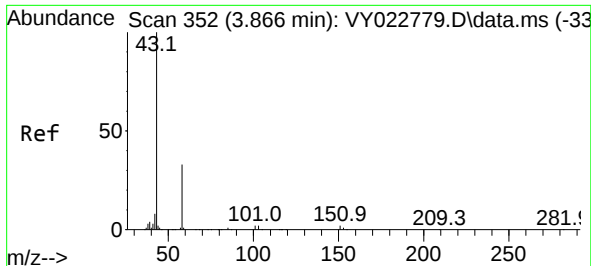
Tgt Ion:168 Resp: 278236
Ion Ratio Lower Upper
168 100
99 58.6 44.3 66.5



#8
Diethyl Ether
Concen: 1.288 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

Tgt Ion: 74 Resp: 1999
Ion Ratio Lower Upper
74 100
45 99.0 45.9 137.6





#16

Acetone

Concen: 2.205 ug/l

RT: 3.891 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY022926.D

Acq: 02 Jul 2025 20:37

Instrument :

MSVOA_Y

ClientSampleId :

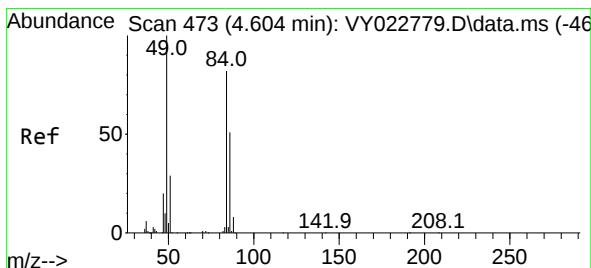
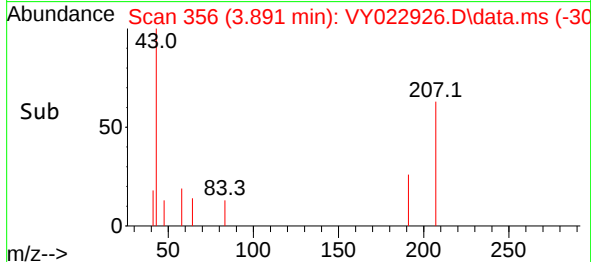
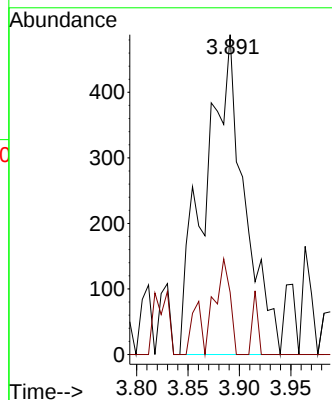
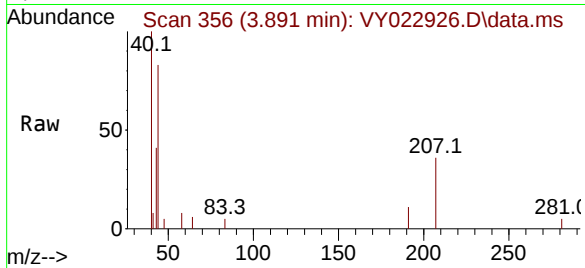
VIBLK

Tgt Ion: 43 Resp: 1294

Ion Ratio Lower Upper

43 100

58 19.5 24.0 36.0#



#20

Methylene Chloride

Concen: 9.438 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY022926.D

Acq: 02 Jul 2025 20:37

Tgt Ion: 84 Resp: 34983

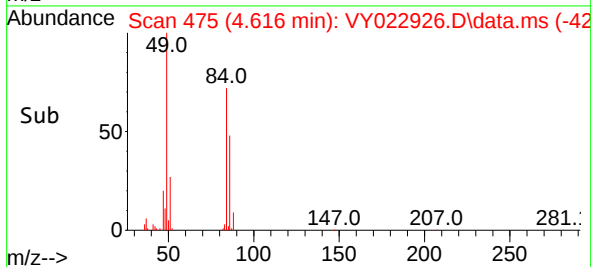
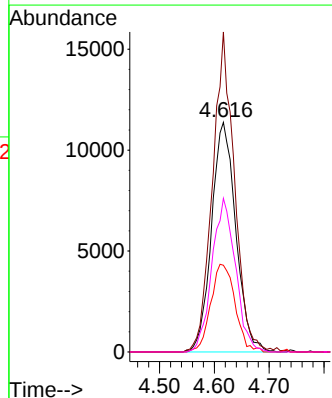
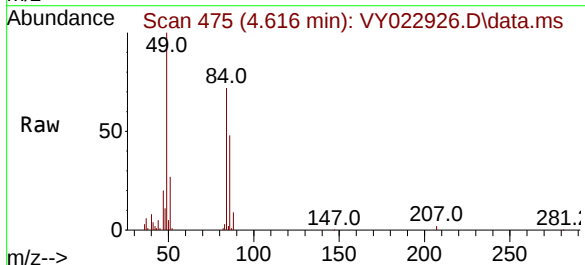
Ion Ratio Lower Upper

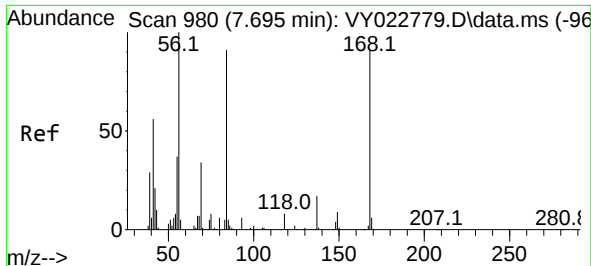
84 100

49 139.4 101.9 152.9

51 37.7 29.8 44.8

86 66.9 51.3 76.9

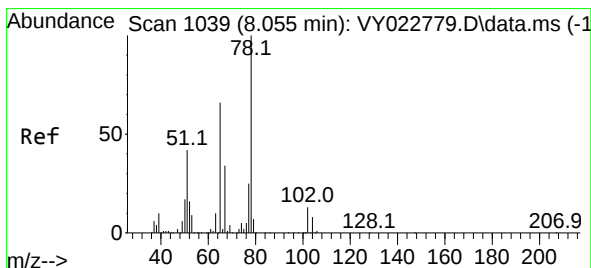
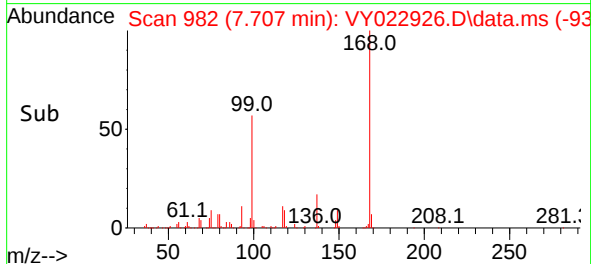
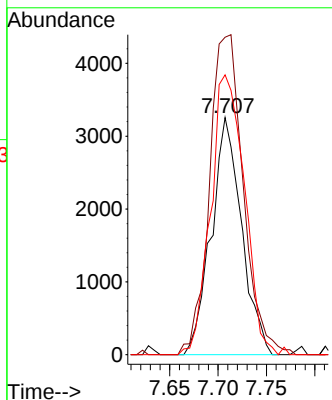
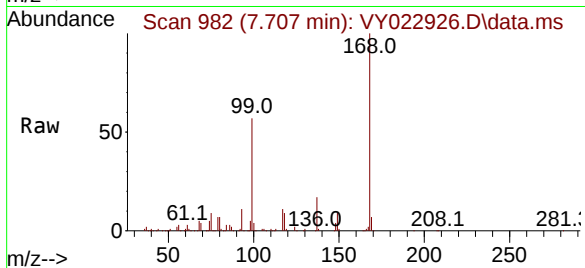




#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

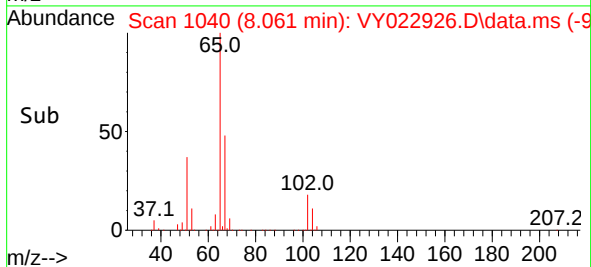
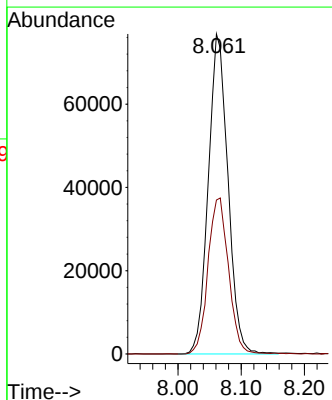
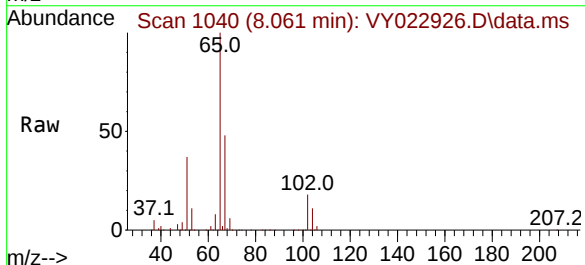
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

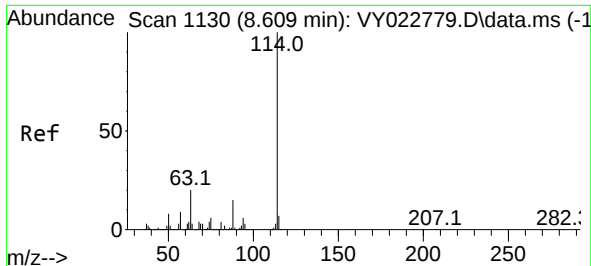
Tgt Ion: 56 Resp: 7080
Ion Ratio Lower Upper
56 100
69 133.9 27.0 40.6#
84 118.0 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 53.392 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

Tgt Ion: 65 Resp: 165802
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.4

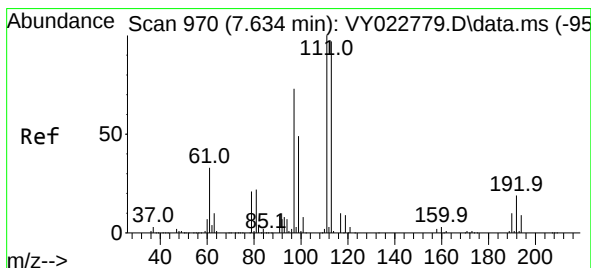
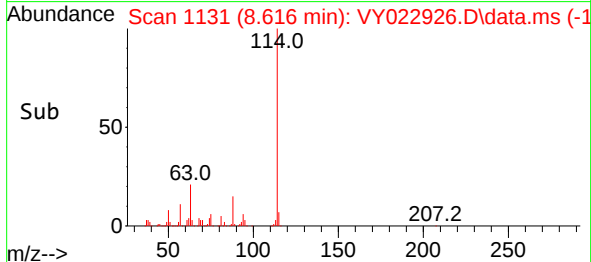
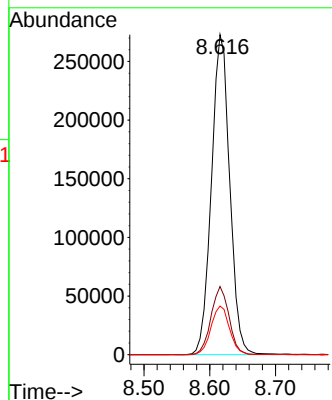
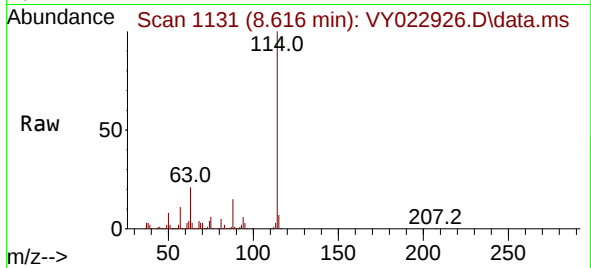




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

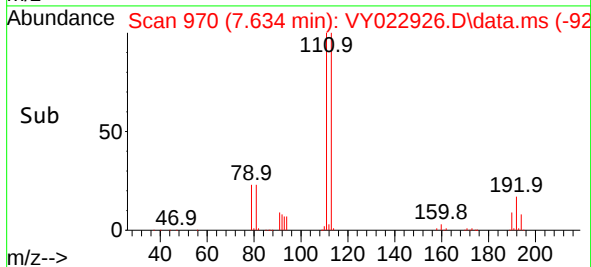
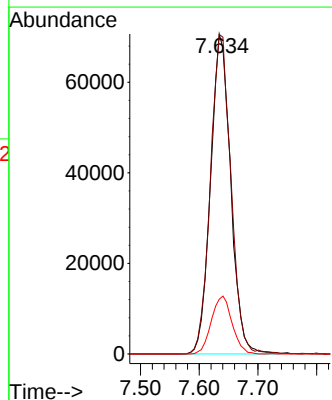
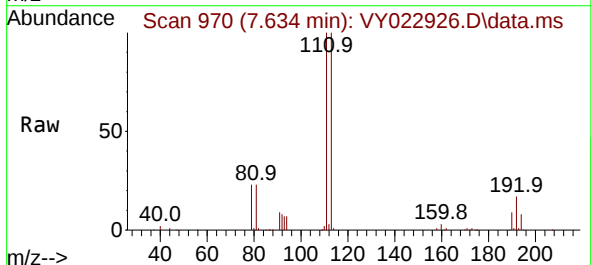
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

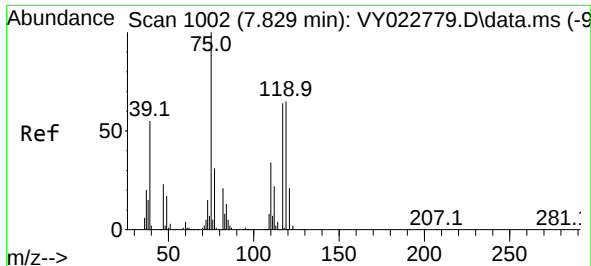
Tgt Ion:114 Resp: 528328
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 15.2 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.262 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

Tgt Ion:113 Resp: 167919
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 18.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.098 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022926.D

Acq: 02 Jul 2025 20:37

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

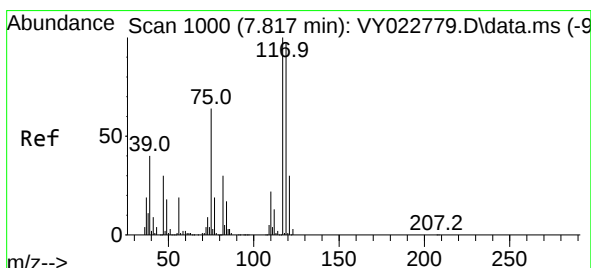
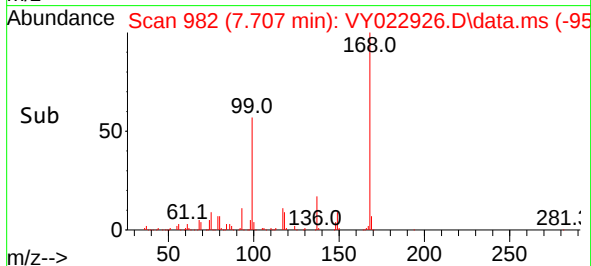
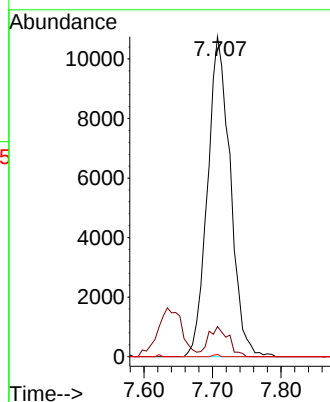
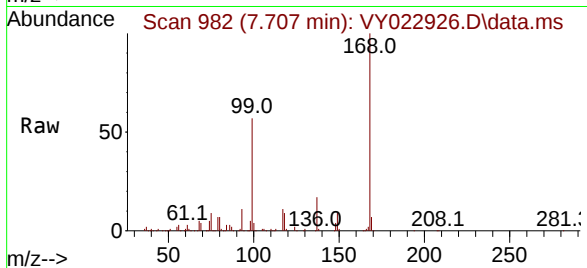
Tgt Ion: 75 Resp: 24829

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.473 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022926.D

Acq: 02 Jul 2025 20:37

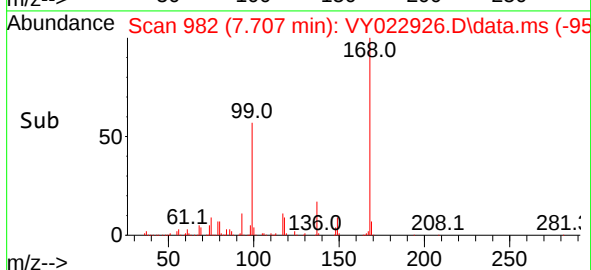
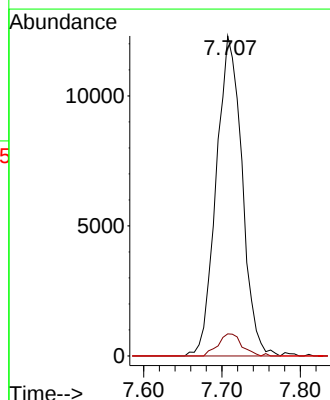
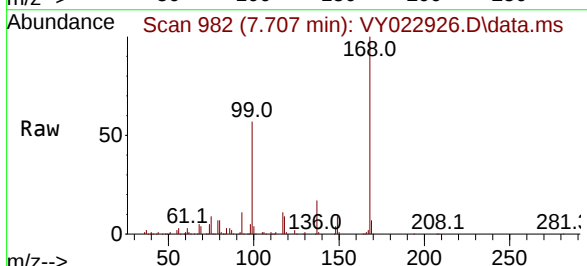
Tgt Ion: 117 Resp: 28122

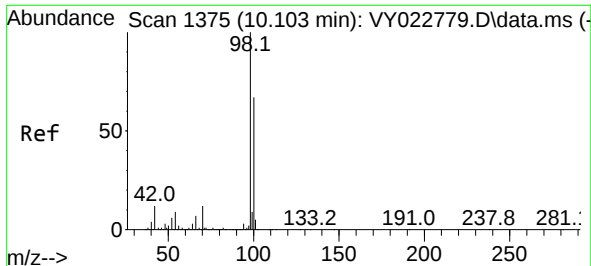
Ion Ratio Lower Upper

117 100

119 6.9 75.0 112.6#

121 0.0 25.0 37.4#

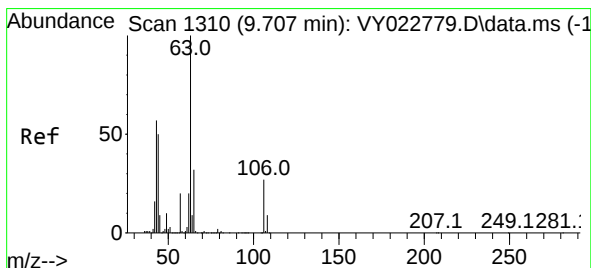
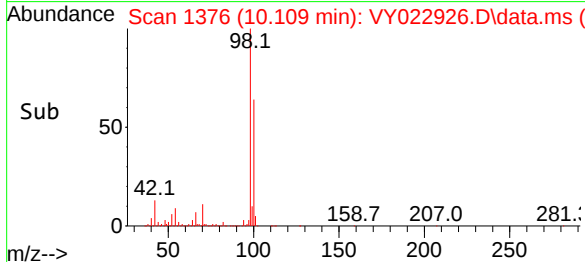
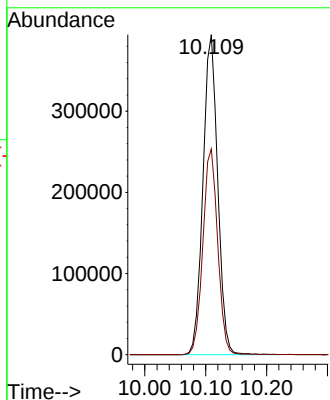
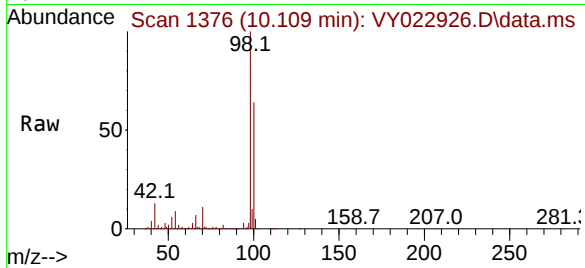




#50
Toluene-d8
Concen: 52.039 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

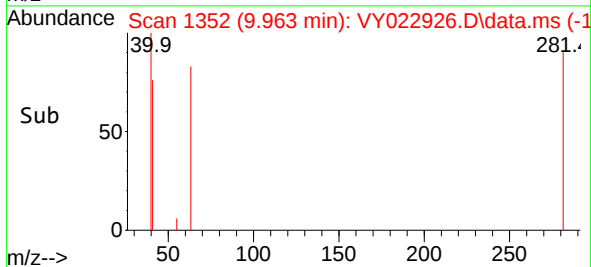
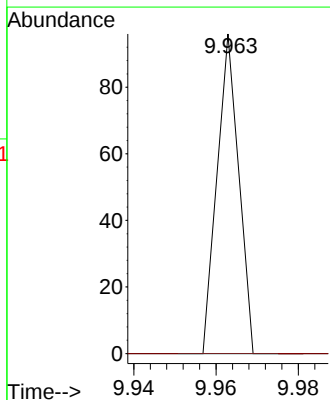
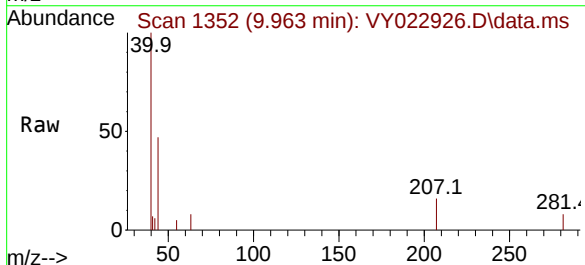
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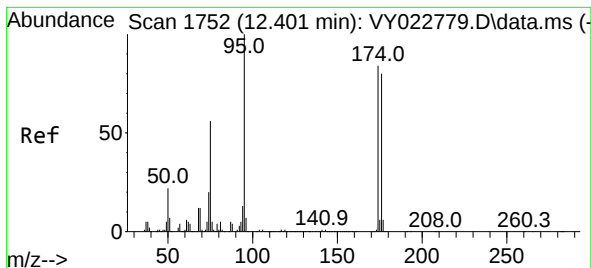
Tgt Ion: 98 Resp: 663480
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.673 ug/l
RT: 9.963 min Scan# 1352
Delta R.T. 0.250 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

Tgt Ion: 63 Resp: 35
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

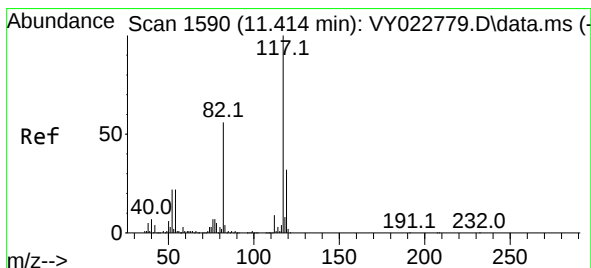
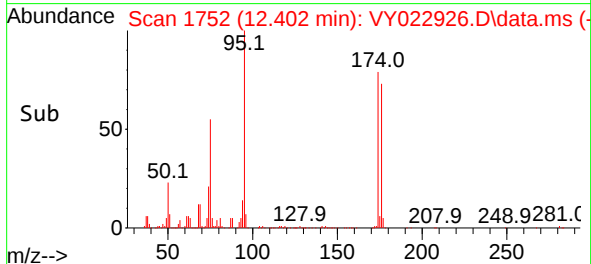
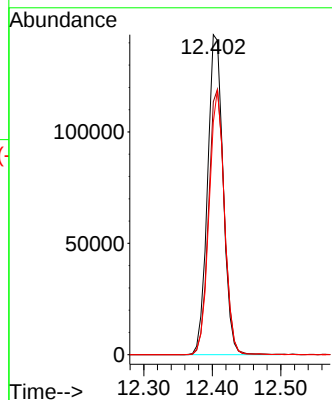
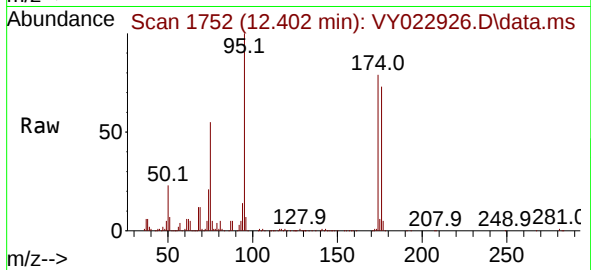




#62
4-Bromofluorobenzene
Concen: 55.434 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

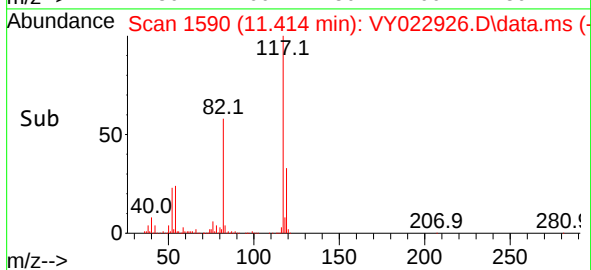
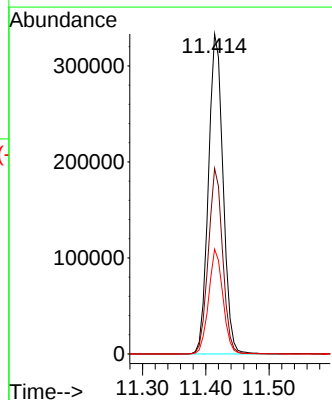
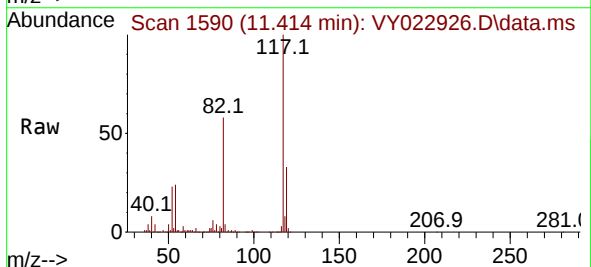
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

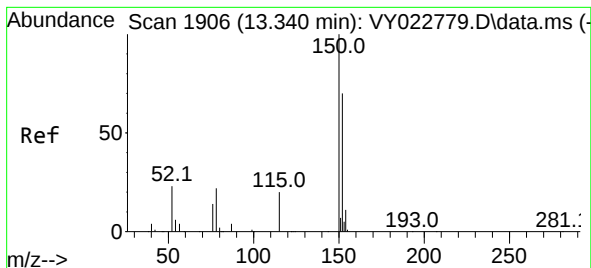
Tgt Ion: 95 Resp: 227205
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 81.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

Tgt Ion: 117 Resp: 536379
Ion Ratio Lower Upper
117 100
82 58.0 44.6 66.8
119 32.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022926.D

Acq: 02 Jul 2025 20:37

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

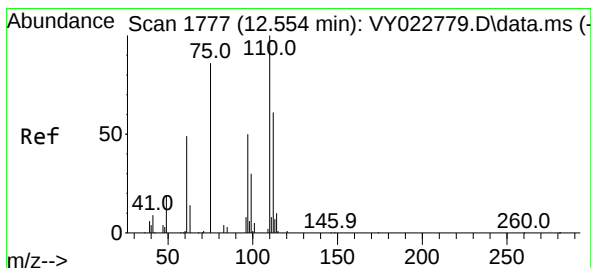
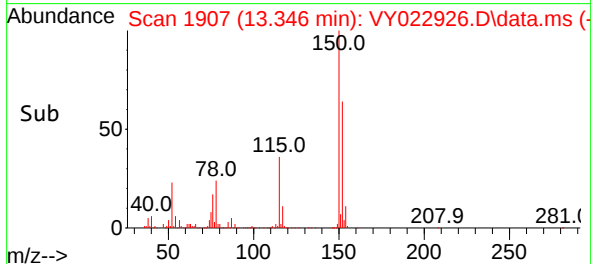
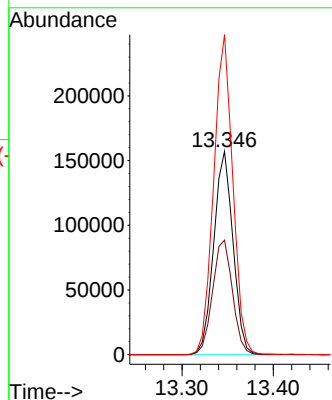
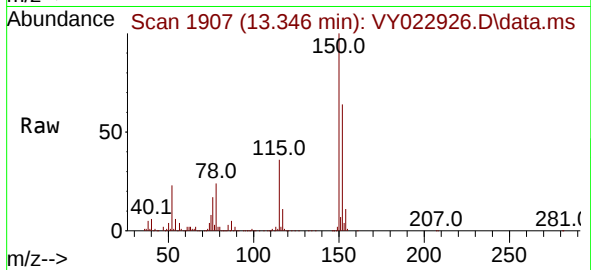
Tgt Ion:152 Resp: 231019

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 156.0 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.748 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022926.D

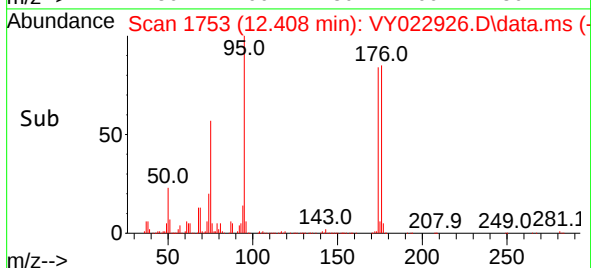
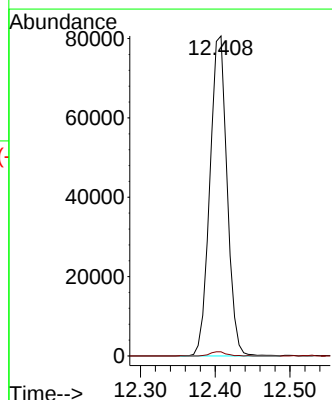
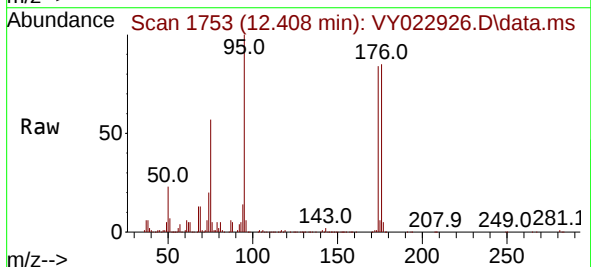
Acq: 02 Jul 2025 20:37

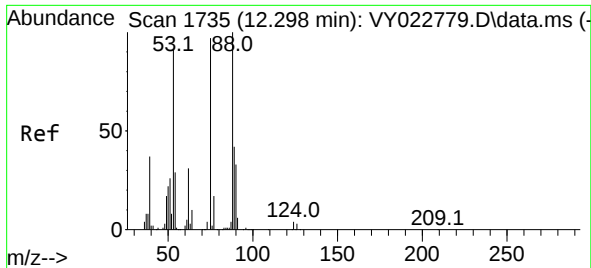
Tgt Ion: 75 Resp: 129124

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 138.315 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022926.D
Acq: 02 Jul 2025 20:37

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 129124
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

