

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
 Data File : VY023360.D
 Acq On : 12 Sep 2025 14:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 13 00:00:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

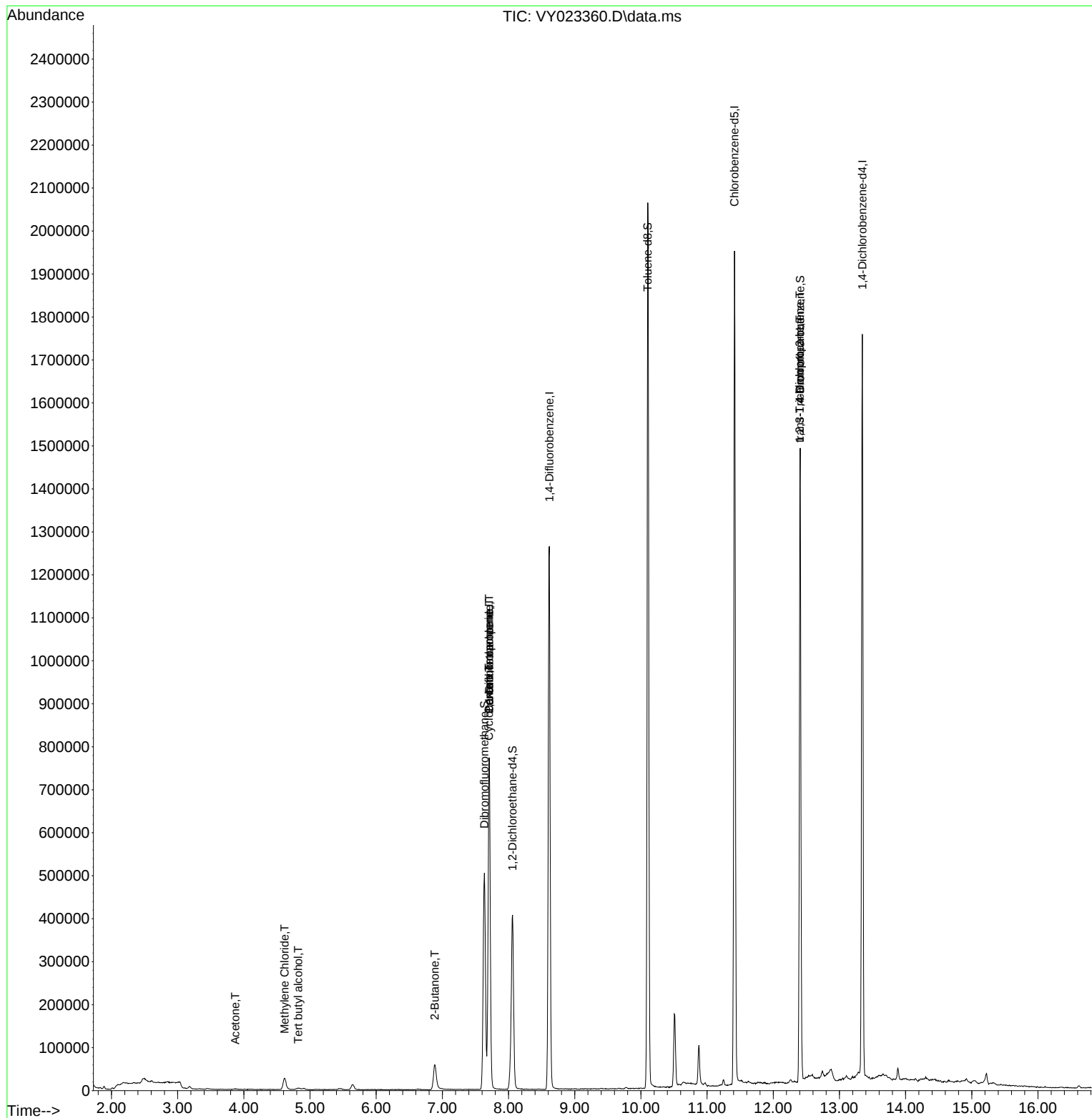
Internal Standards						
1) Pentafluorobenzene	7.707	168	621560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1153294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1082705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	457828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	291981	53.459	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.920%	
35) Dibromofluoromethane	7.634	113	363027	51.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.000%	
50) Toluene-d8	10.103	98	1368133	51.395	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.780%	
62) 4-Bromofluorobenzene	12.408	95	438015	52.286	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	2244	7.111	ug/l #	71
16) Acetone	3.873	43	1880	1.511	ug/l #	82
20) Methylene Chloride	4.616	84	21686	3.258	ug/l	92
25) 2-Butanone	6.884	43	3293	2.151	ug/l #	81
31) Cyclohexane	7.701	56	10997	1.151	ug/l #	10
36) 1,1-Dichloropropene	7.707	75	43995	4.382	ug/l #	51
38) Carbon Tetrachloride	7.707	117	59392	5.141	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	216784	46.757	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	216784	127.512	ug/l #	14

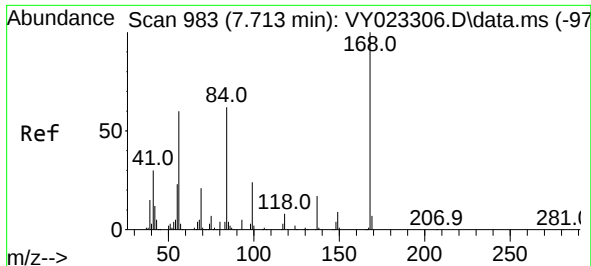
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
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ALS Vial : 7 Sample Multiplier: 1

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VIBLK

Quant Time: Sep 13 00:00:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
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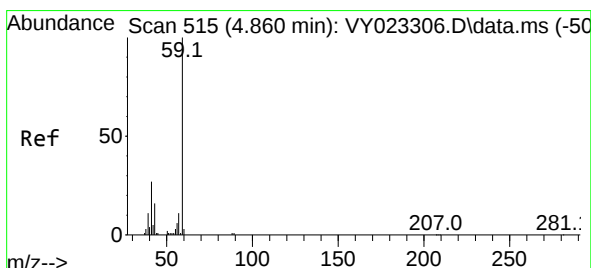
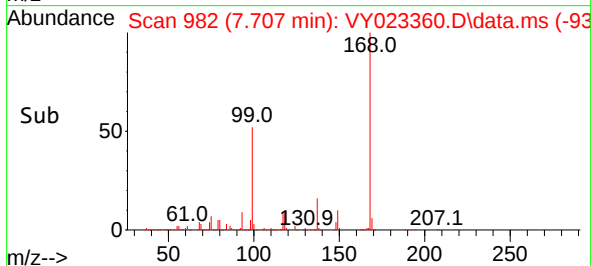
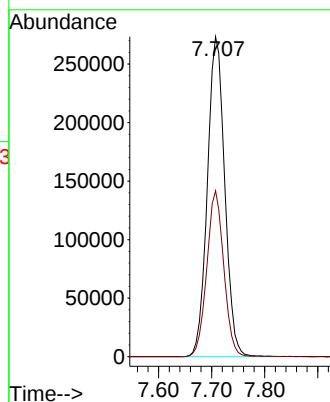
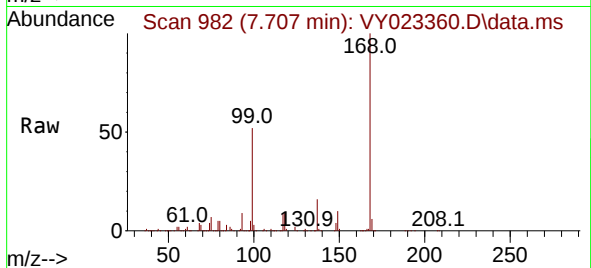




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

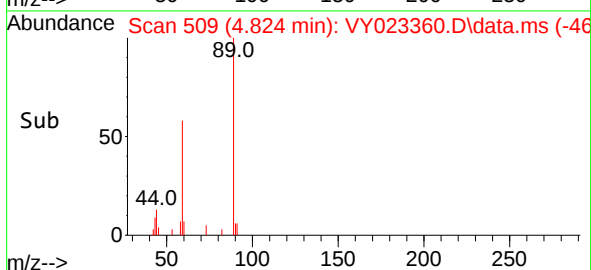
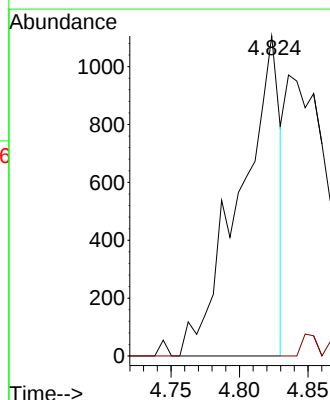
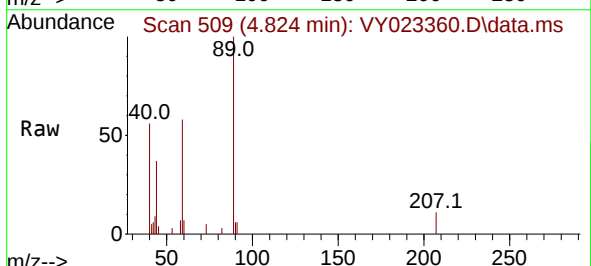
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

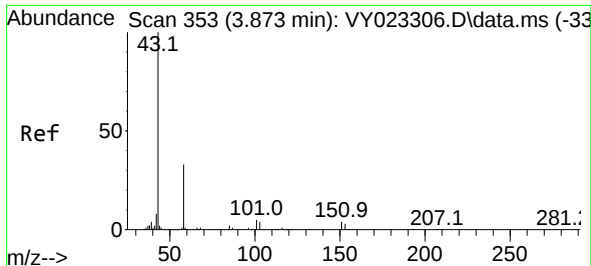
Tgt Ion:168 Resp: 621560
Ion Ratio Lower Upper
168 100
99 51.8 42.8 64.2



#11
Tert butyl alcohol
Concen: 7.111 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

Tgt Ion: 59 Resp: 2244
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

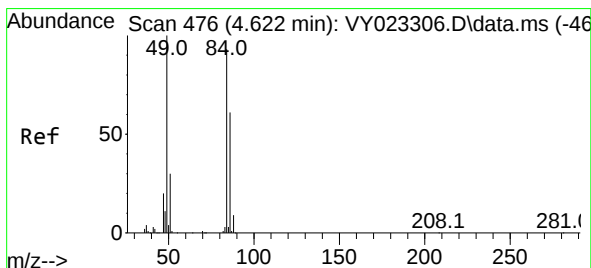
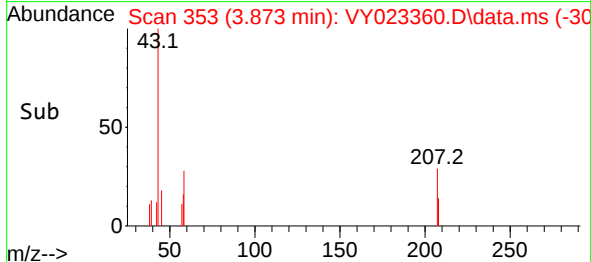
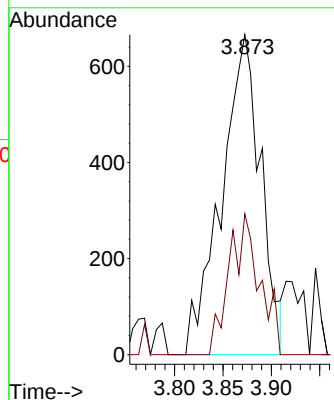
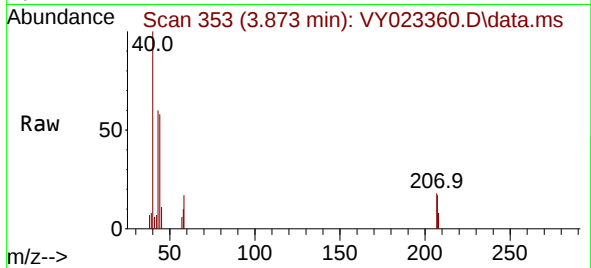




#16
Acetone
Concen: 1.511 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

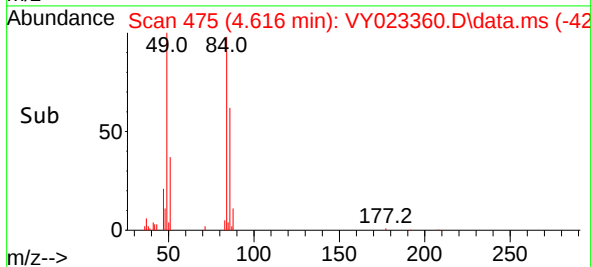
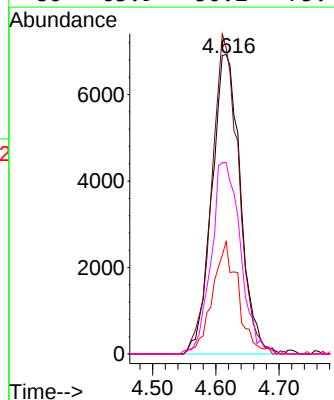
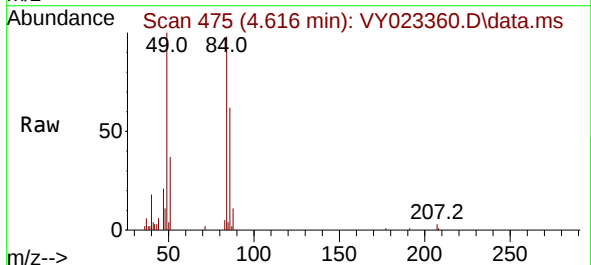
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

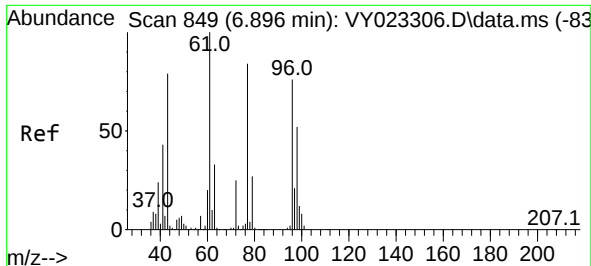
Tgt Ion: 43 Resp: 1880
Ion Ratio Lower Upper
43 100
58 44.0 27.1 40.7#



#20
Methylene Chloride
Concen: 3.258 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

Tgt Ion: 84 Resp: 21686
Ion Ratio Lower Upper
84 100
49 102.2 93.0 139.6
51 37.5 29.0 43.4
86 63.9 50.2 75.4

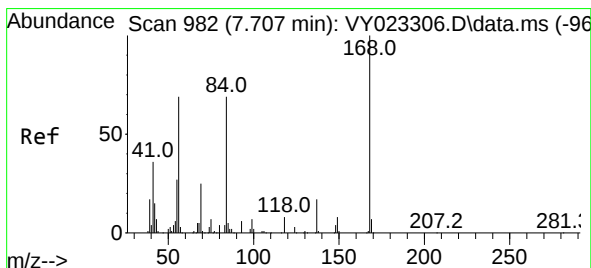
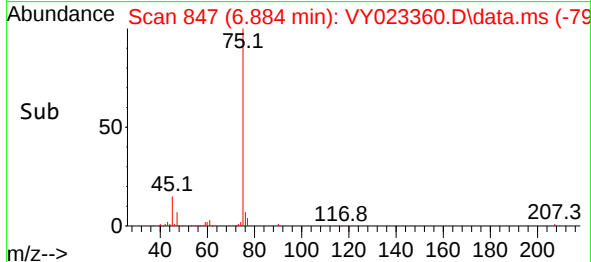
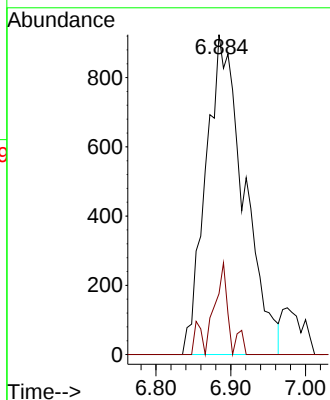
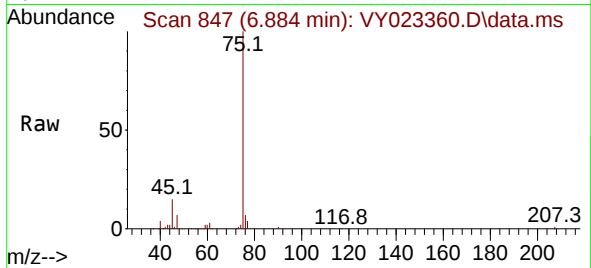




#25
2-Butanone
Concen: 2.151 ug/l
RT: 6.884 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

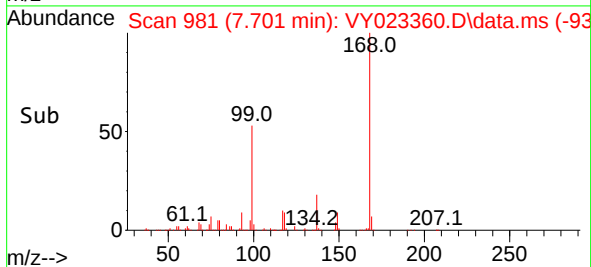
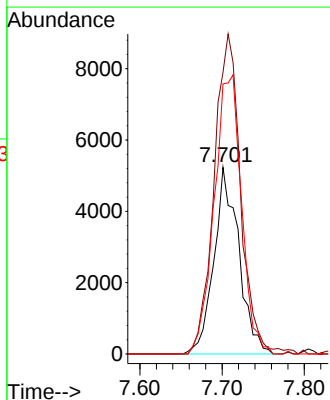
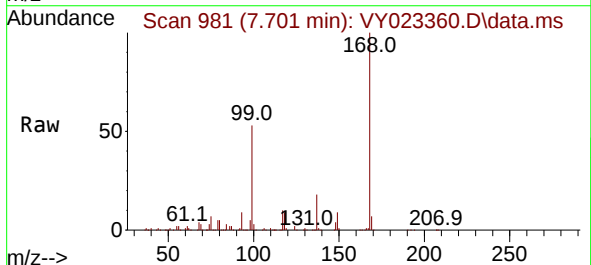
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

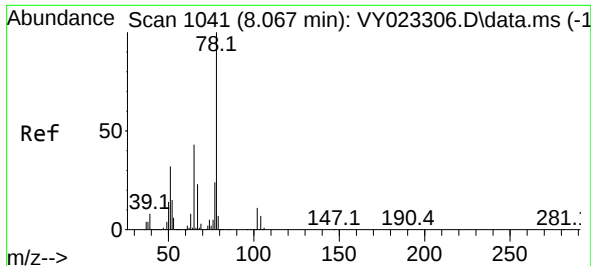
Tgt Ion: 43 Resp: 3293
Ion Ratio Lower Upper
43 100
72 19.0 23.5 35.3#



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

Tgt Ion: 56 Resp: 10997
Ion Ratio Lower Upper
56 100
69 150.9 28.2 42.2#
84 144.8 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 53.459 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023360.D

Acq: 12 Sep 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

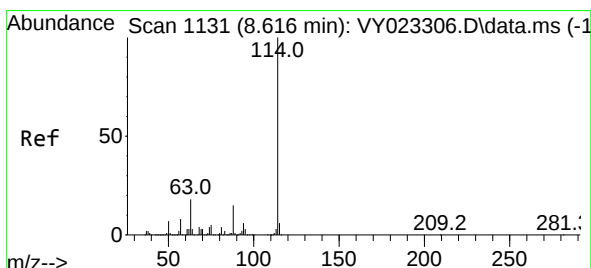
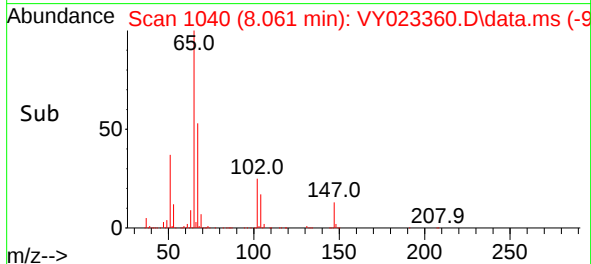
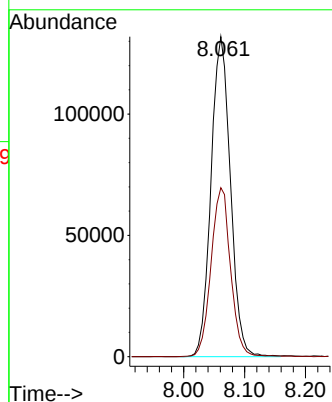
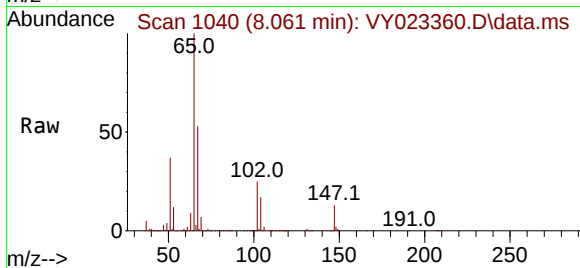
VIBLK

Tgt Ion: 65 Resp: 291981

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023360.D

Acq: 12 Sep 2025 14:33

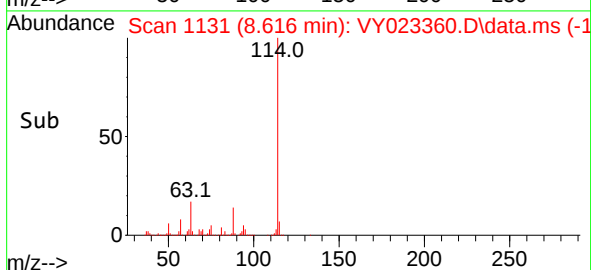
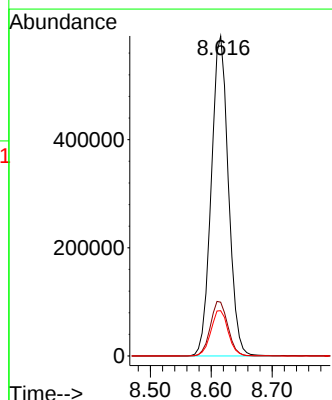
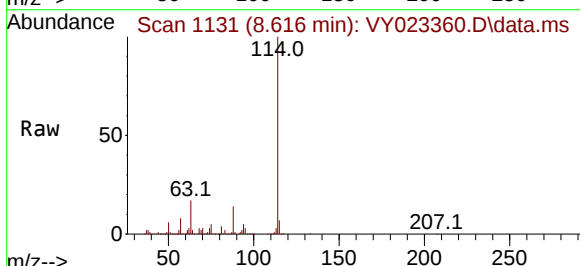
Tgt Ion: 114 Resp: 1153294

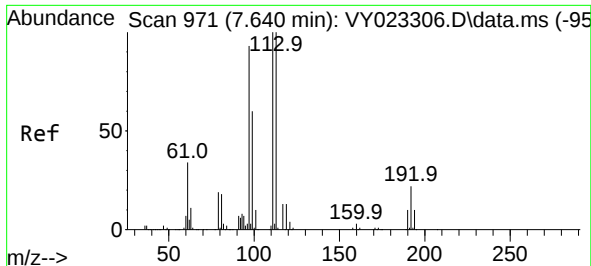
Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 14.1 0.0 30.0

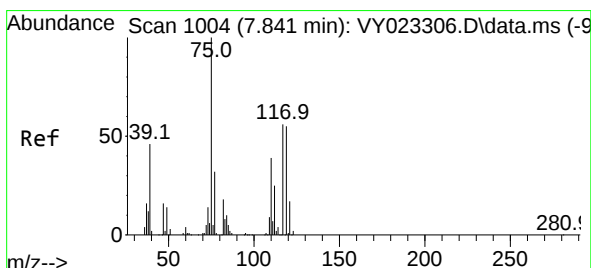
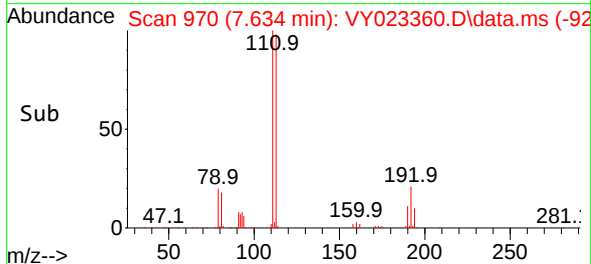
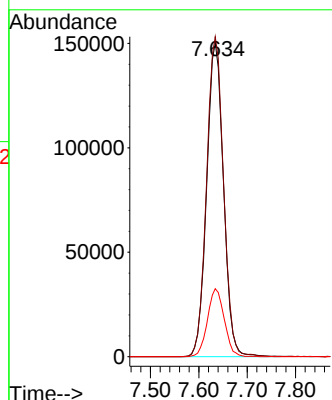
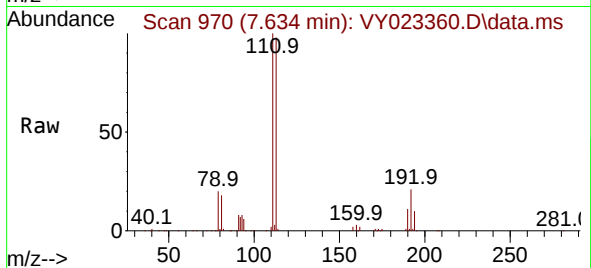




#35
Dibromofluoromethane
Concen: 51.495 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

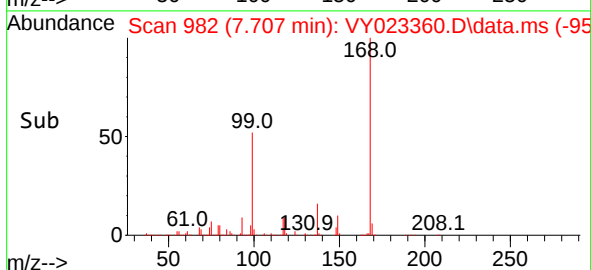
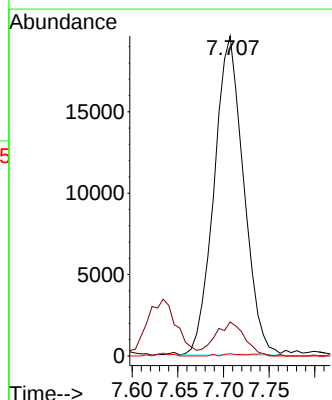
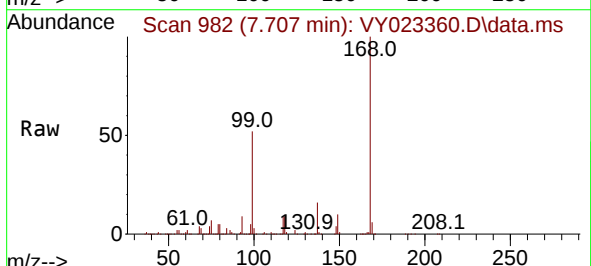
Instrument :
MSVOA_Y
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VIBLK

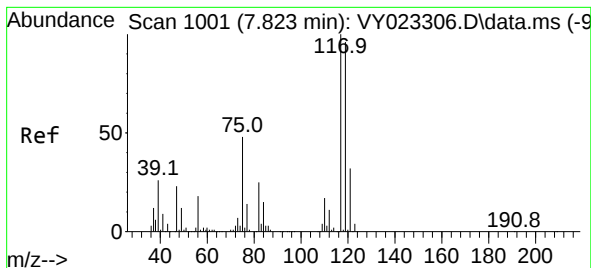
Tgt Ion:113 Resp: 363027
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 21.7 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.382 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

Tgt Ion: 75 Resp: 43995
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.4#
77 0.5 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.141 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY023360.D

Acq: 12 Sep 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

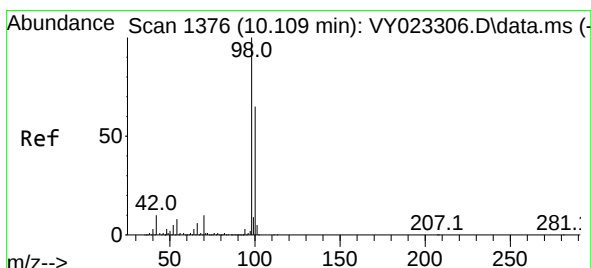
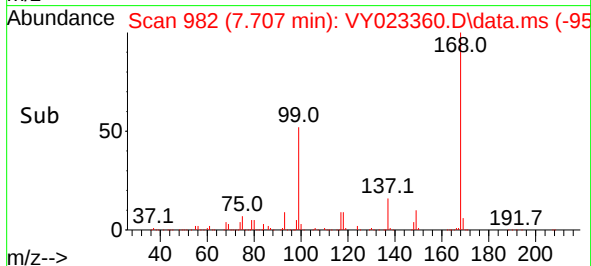
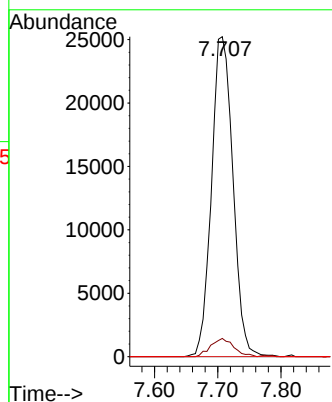
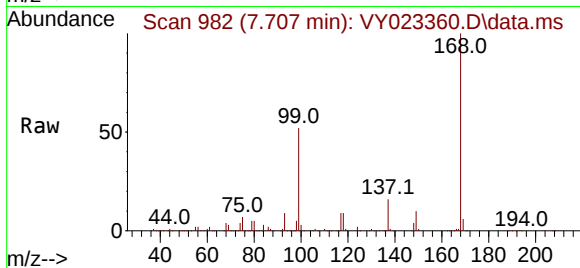
Tgt Ion:117 Resp: 59392

Ion Ratio Lower Upper

117 100

119 5.7 75.6 113.4#

121 0.0 25.8 38.8#



#50

Toluene-d8

Concen: 51.395 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023360.D

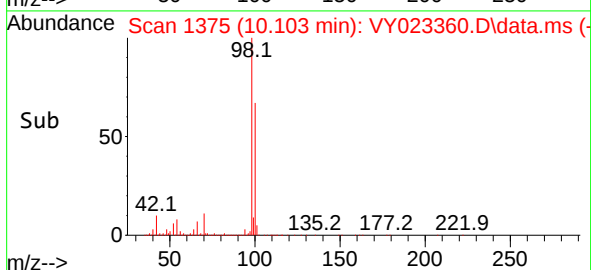
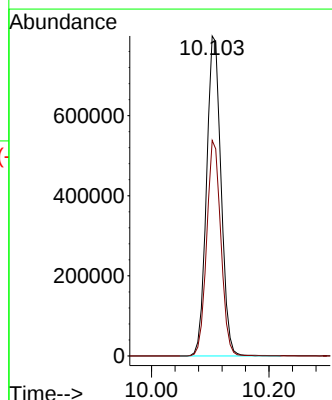
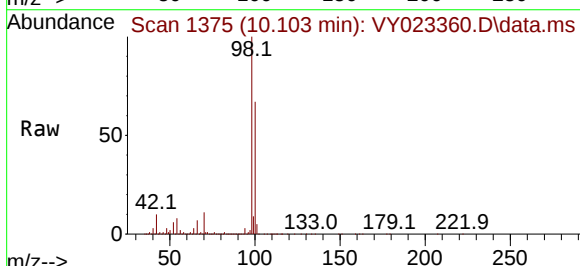
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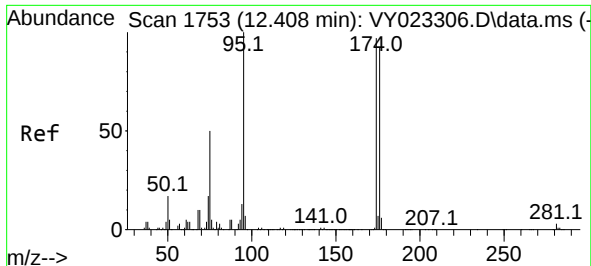
Tgt Ion: 98 Resp: 1368133

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5

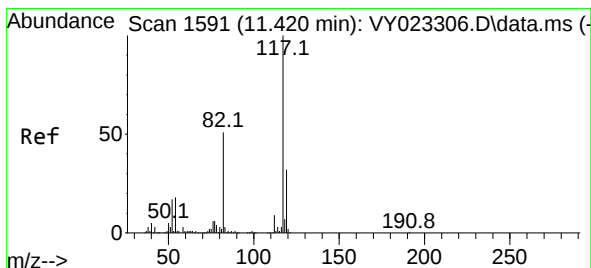
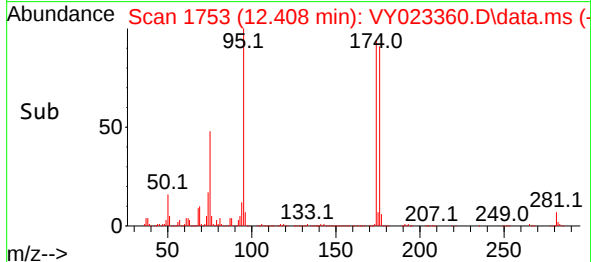
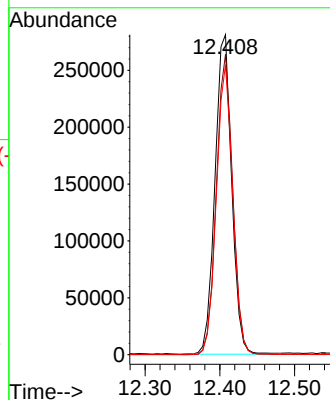
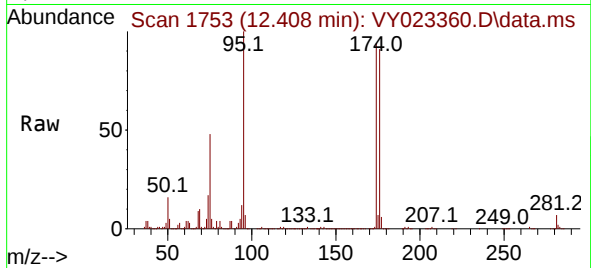




#62
4-Bromofluorobenzene
Concen: 52.286 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

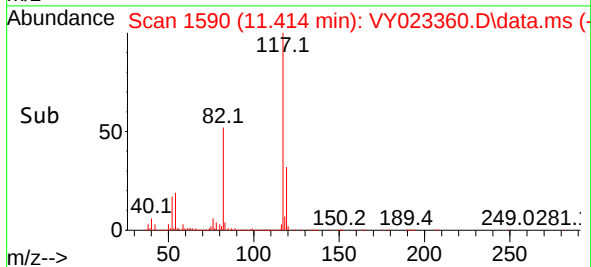
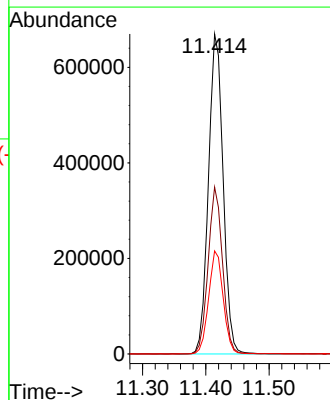
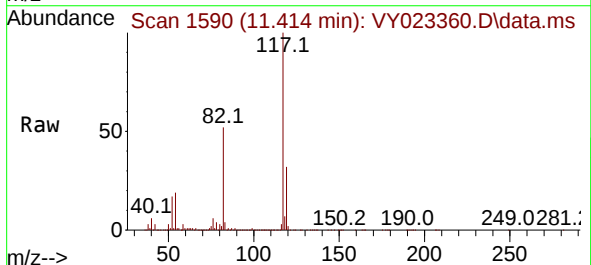
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

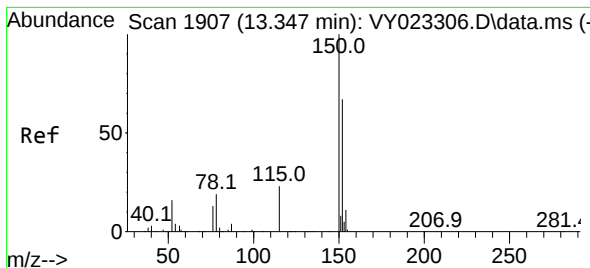
Tgt Ion: 95 Resp: 438015
Ion Ratio Lower Upper
95 100
174 92.2 0.0 171.6
176 88.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

Tgt Ion: 117 Resp: 1082705
Ion Ratio Lower Upper
117 100
82 52.1 43.4 65.0
119 32.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023360.D

Acq: 12 Sep 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

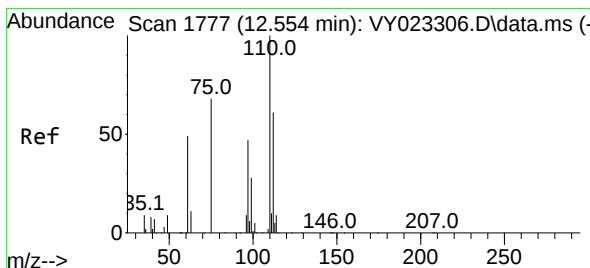
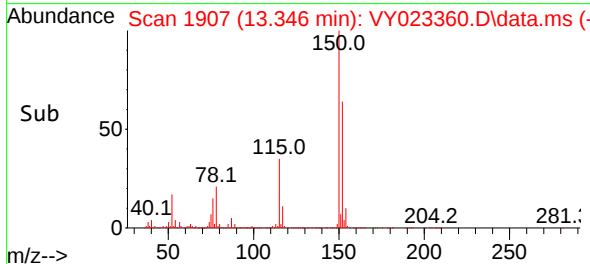
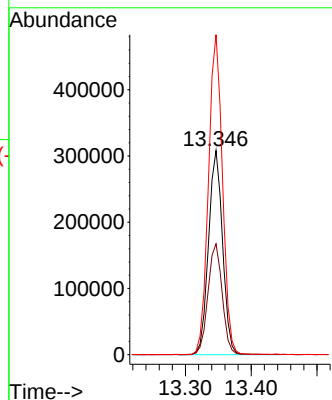
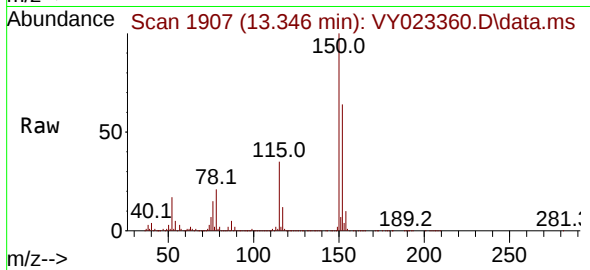
Tgt Ion:152 Resp: 457828

Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.6

150 156.5 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 46.757 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023360.D

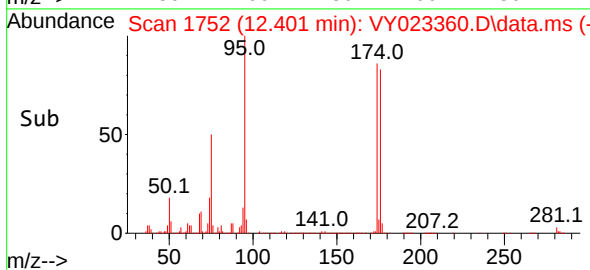
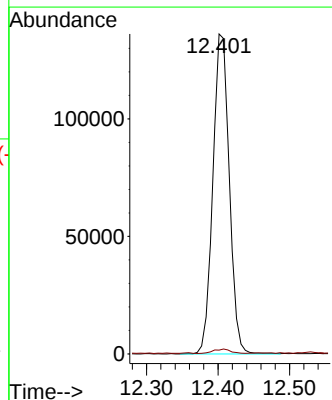
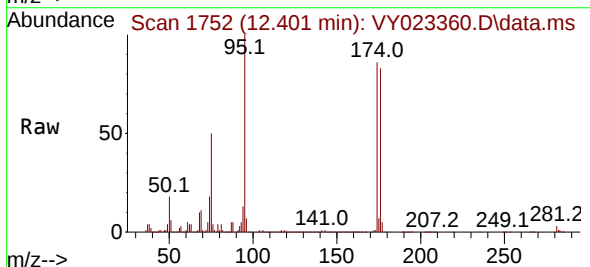
Acq: 12 Sep 2025 14:33

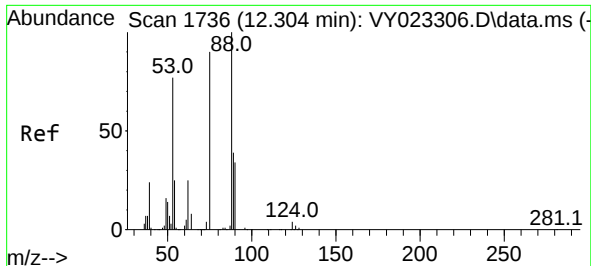
Tgt Ion: 75 Resp: 216784

Ion Ratio Lower Upper

75 100

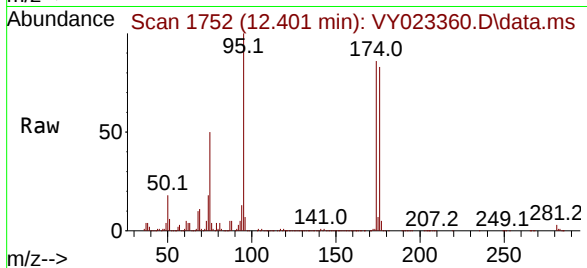
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.512 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023360.D
 Acq: 12 Sep 2025 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion: 75 Resp: 216784

Ion	Ratio	Lower	Upper
75	100		
53	0.1	70.8	106.2#
89	0.1	38.1	57.1#

