

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023377.D
 Acq On : 25 Sep 2025 16:29
 Operator : SY/MD
 Sample : Q3210-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 04:26:30 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)

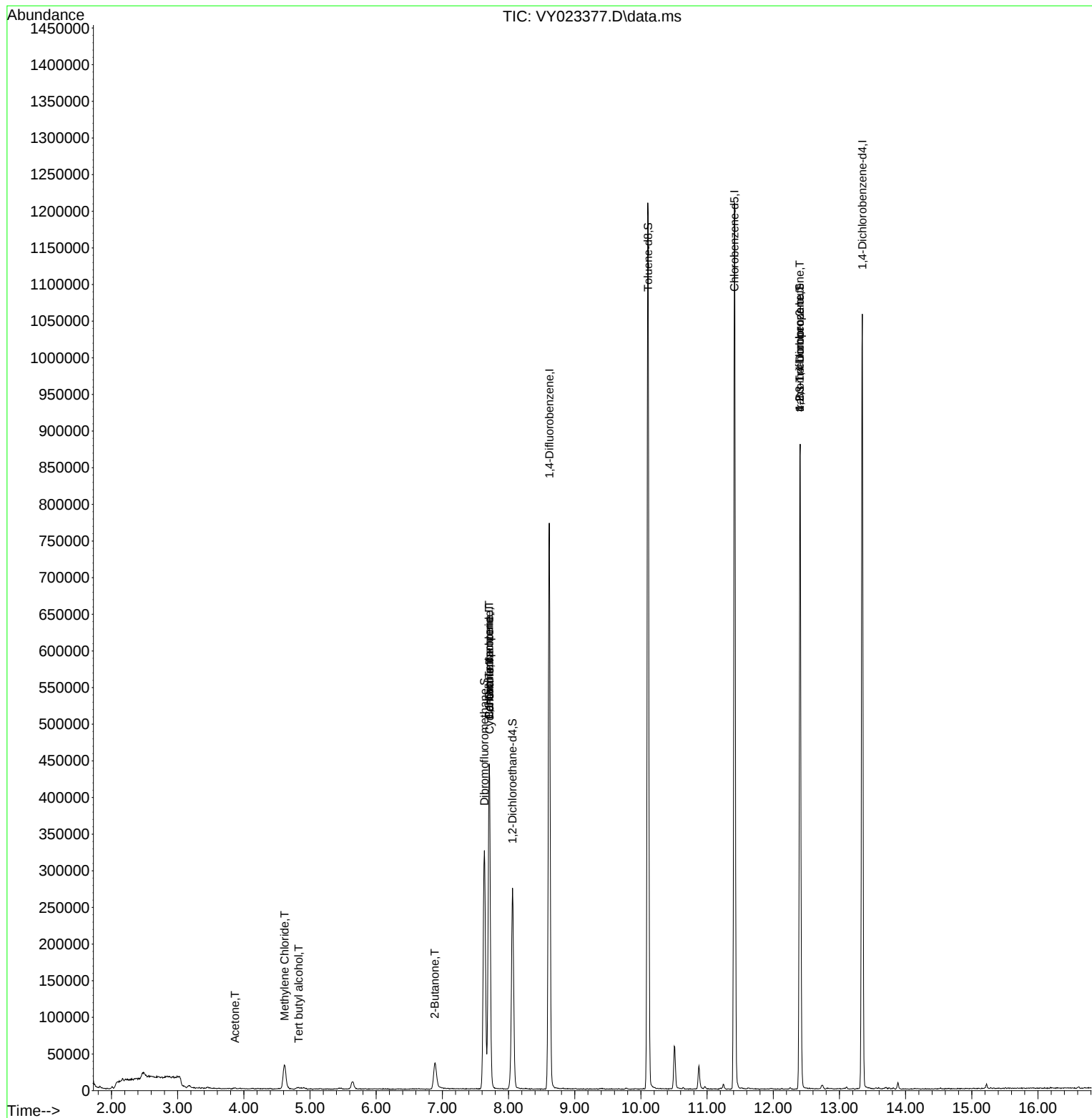
Internal Standards						
1) Pentafluorobenzene	7.707	168	369574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	696190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	664319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	283482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	206492	63.585	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.160%	
35) Dibromofluoromethane	7.634	113	238329	56.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.000%	
50) Toluene-d8	10.109	98	821747	51.138	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.280%	
62) 4-Bromofluorobenzene	12.401	95	263855	52.177	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	2841	15.140	ug/l #	76
16) Acetone	3.866	43	2022	2.733	ug/l #	82
20) Methylene Chloride	4.616	84	26763	6.762	ug/l	92
25) 2-Butanone	6.884	43	2172	2.386	ug/l #	78
31) Cyclohexane	7.713	56	6398	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	25045	4.132	ug/l #	50
38) Carbon Tetrachloride	7.707	117	34390	4.931	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	131083	45.661	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	131083	124.522	ug/l #	14

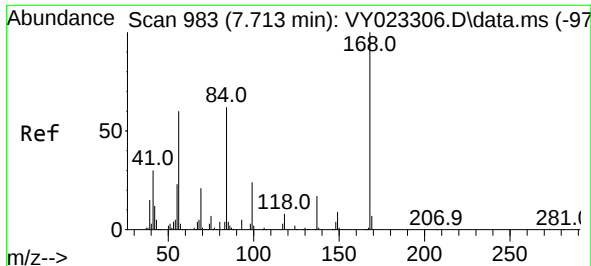
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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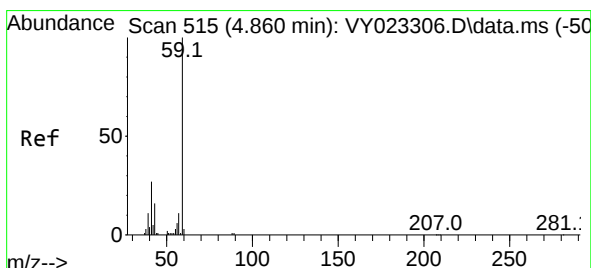
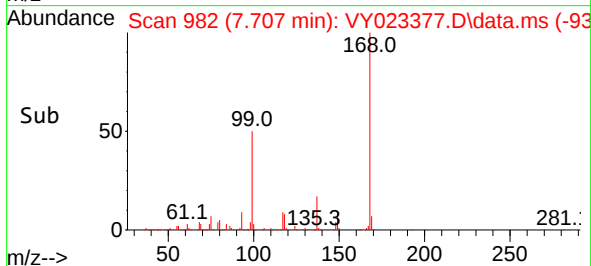
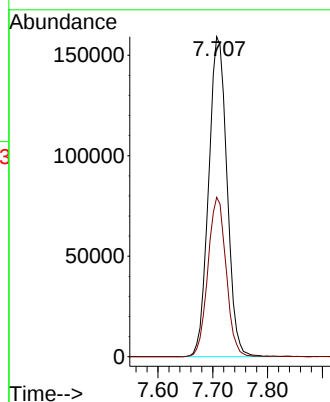
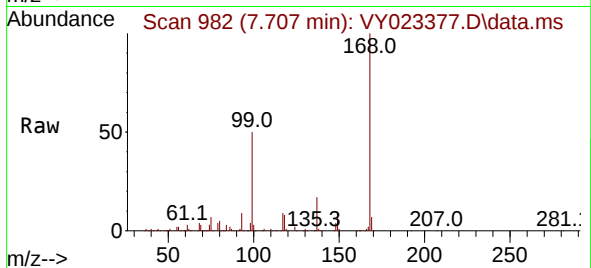




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

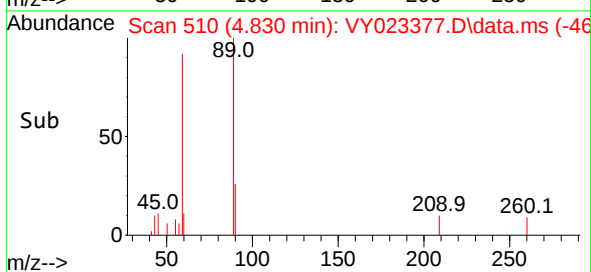
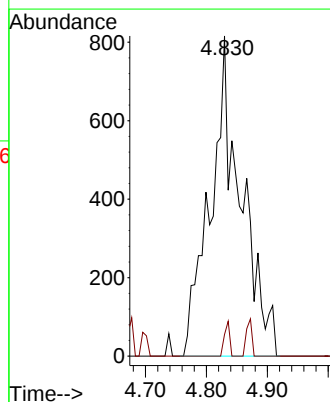
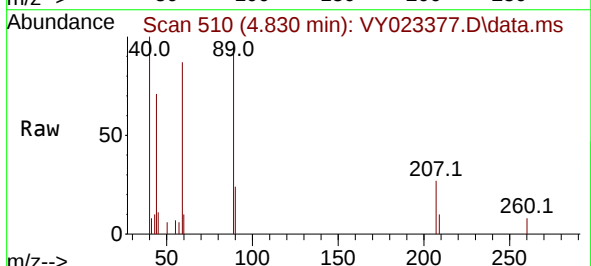
Instrument :
MSVOA_Y
ClientSampleId :

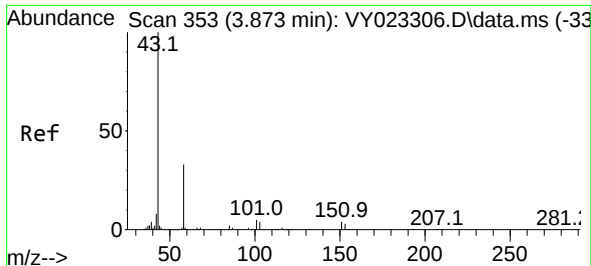
Tgt Ion:168 Resp: 369574
Ion Ratio Lower Upper
168 100
99 49.8 42.8 64.2



#11
Tert butyl alcohol
Concen: 15.140 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

Tgt Ion: 59 Resp: 2841
Ion Ratio Lower Upper
59 100
57 1.9 8.6 13.0#

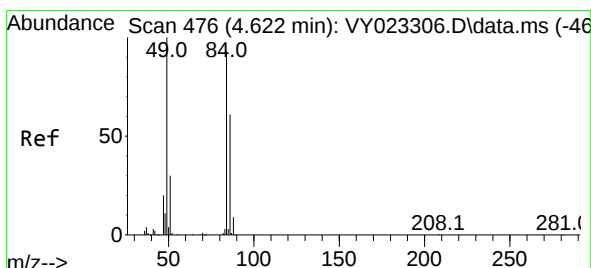
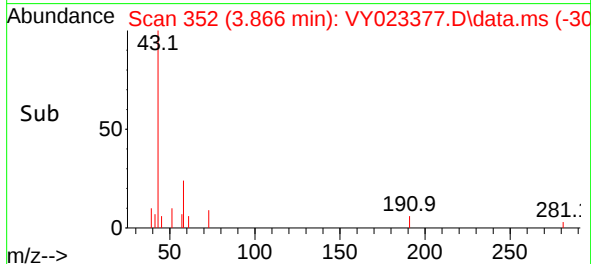
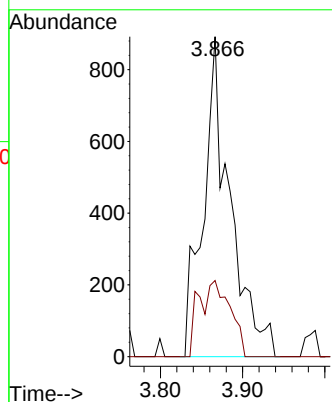
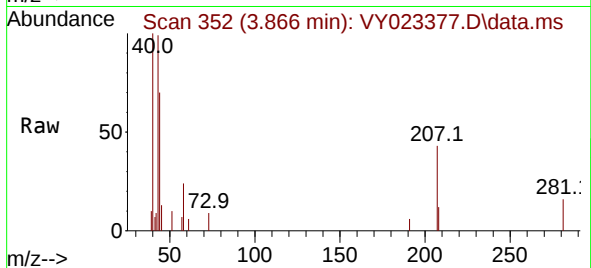




#16
Acetone
Concen: 2.733 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

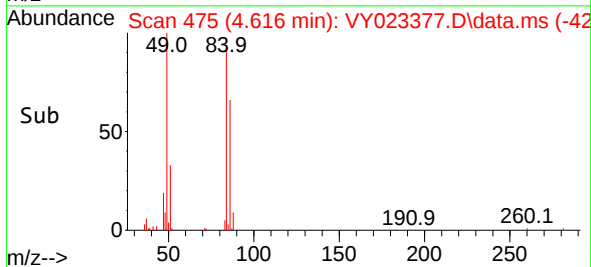
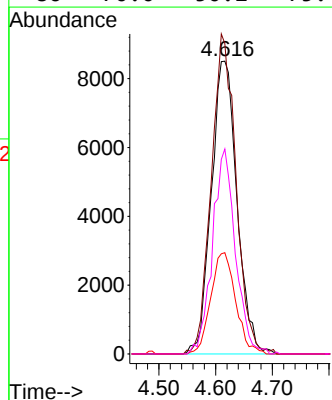
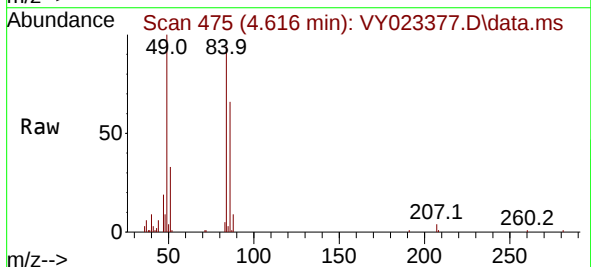
Instrument :
MSVOA_Y
ClientSampleId :

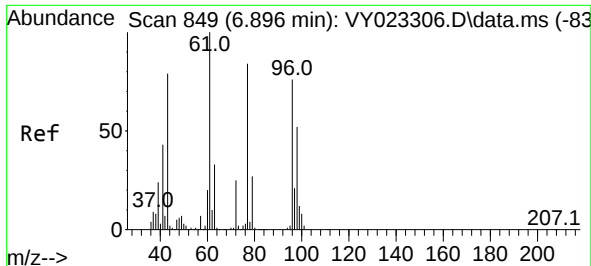
Tgt Ion: 43 Resp: 2022
Ion Ratio Lower Upper
43 100
58 23.8 27.1 40.7#



#20
Methylene Chloride
Concen: 6.762 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

Tgt Ion: 84 Resp: 26763
Ion Ratio Lower Upper
84 100
49 106.1 93.0 139.6
51 34.6 29.0 43.4
86 70.0 50.2 75.4

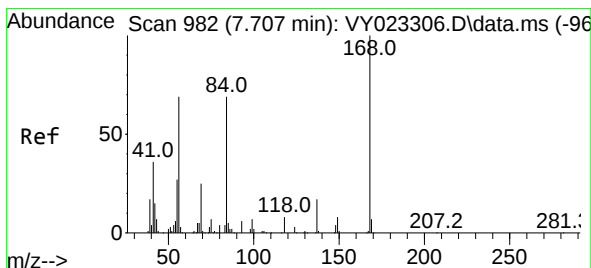
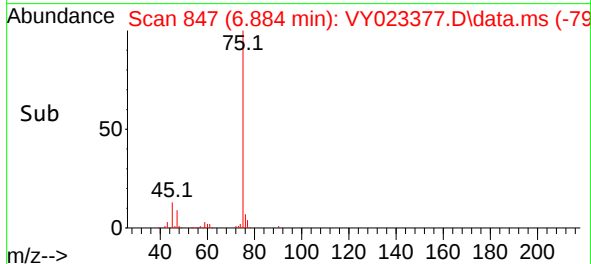
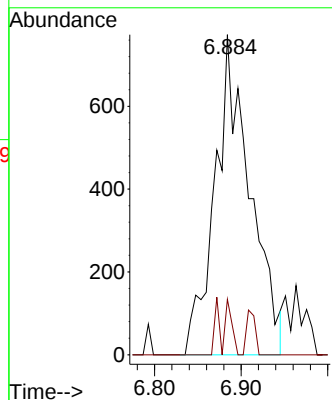
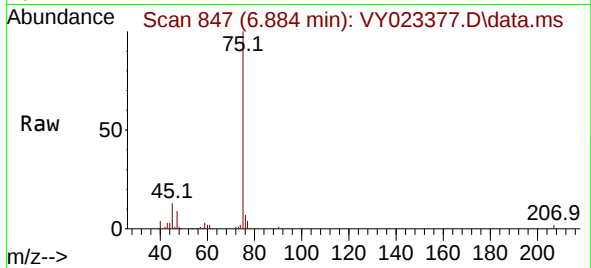




#25
2-Butanone
Concen: 2.386 ug/l
RT: 6.884 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

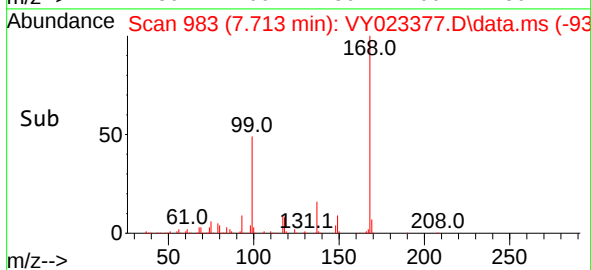
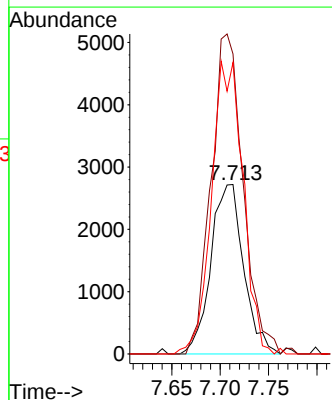
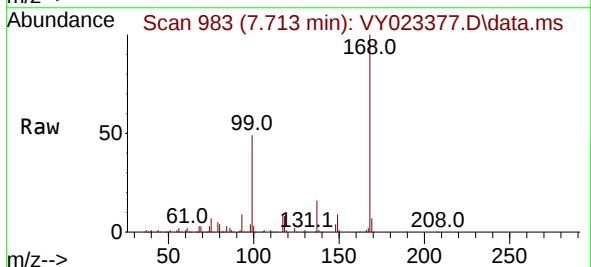
Instrument :
MSVOA_Y
ClientSampleId :

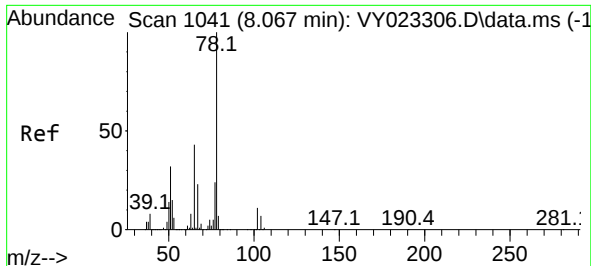
Tgt Ion: 43 Resp: 2172
Ion Ratio Lower Upper
43 100
72 17.3 23.5 35.3#



#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.018 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

Tgt Ion: 56 Resp: 6398
Ion Ratio Lower Upper
56 100
69 177.1 28.2 42.2#
84 169.4 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 63.585 ug/l

RT: 8.061 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023377.D

Acq: 25 Sep 2025 16:29

Instrument :

MSVOA_Y

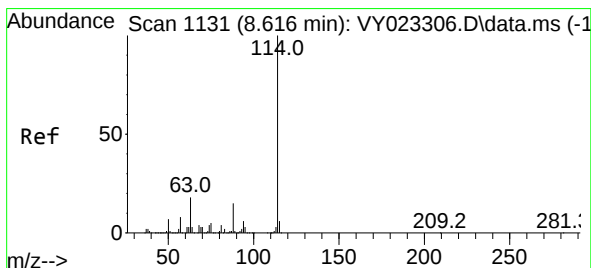
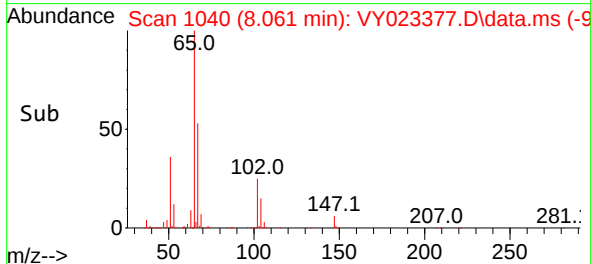
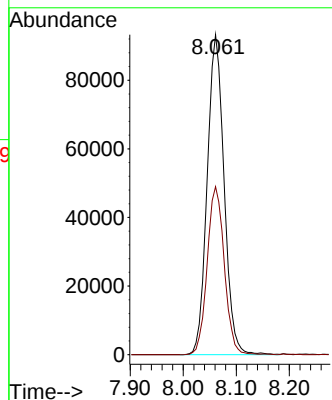
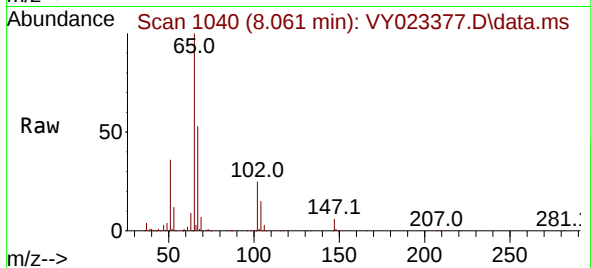
ClientSampleId :

Tgt Ion: 65 Resp: 206492

Ion Ratio Lower Upper

65 100

67 52.9 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: VY023377.D

Acq: 25 Sep 2025 16:29

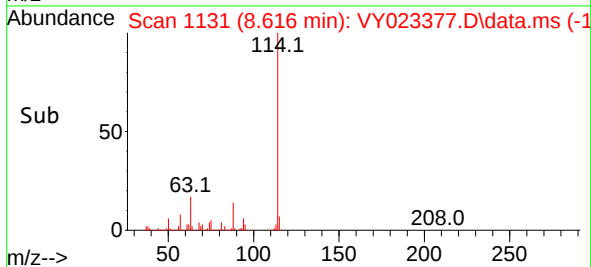
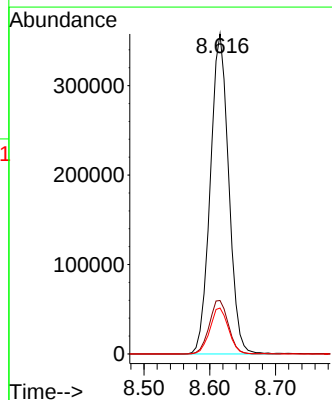
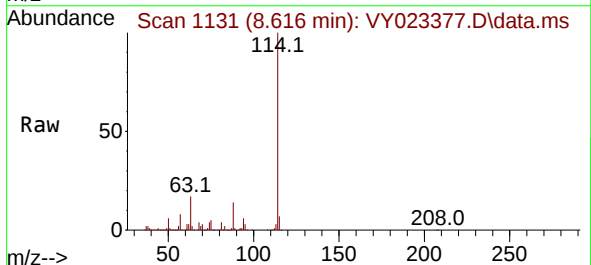
Tgt Ion: 114 Resp: 696190

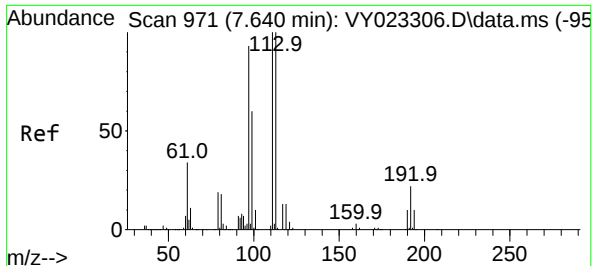
Ion Ratio Lower Upper

114 100

63 16.7 0.0 38.4

88 14.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 56.004 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023377.D

Acq: 25 Sep 2025 16:29

Instrument :

MSVOA_Y

ClientSampleId :

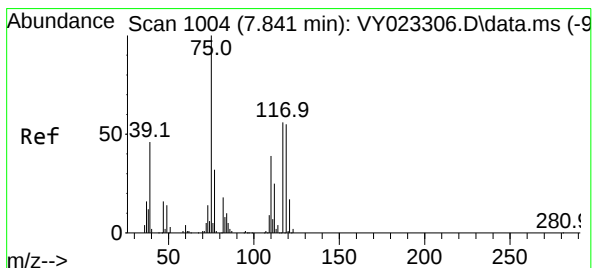
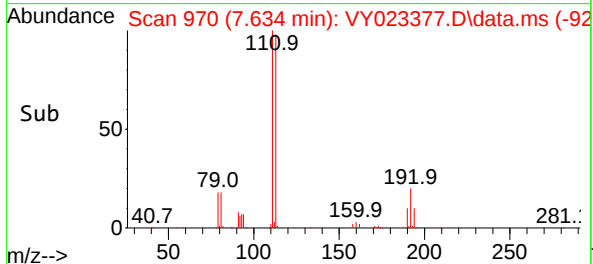
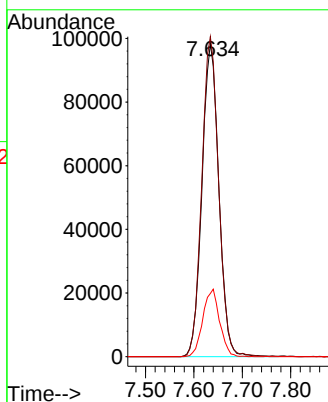
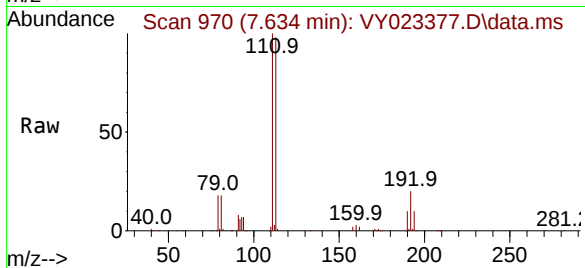
Tgt Ion:113 Resp: 238329

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

192 21.5 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.132 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023377.D

Acq: 25 Sep 2025 16:29

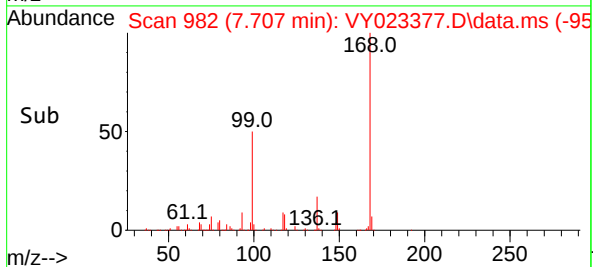
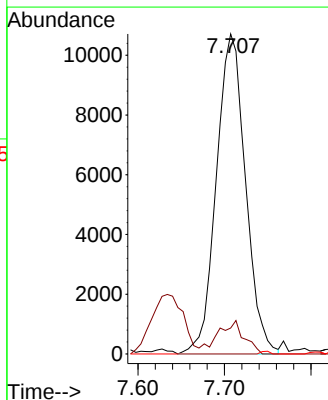
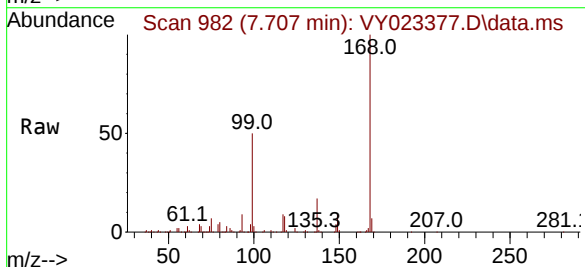
Tgt Ion: 75 Resp: 25045

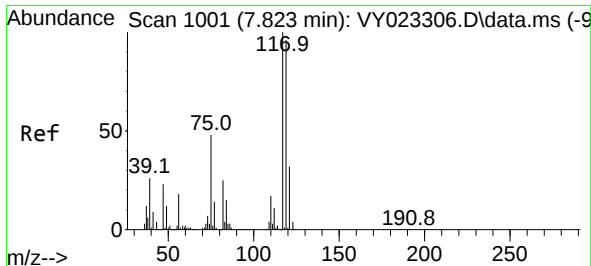
Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

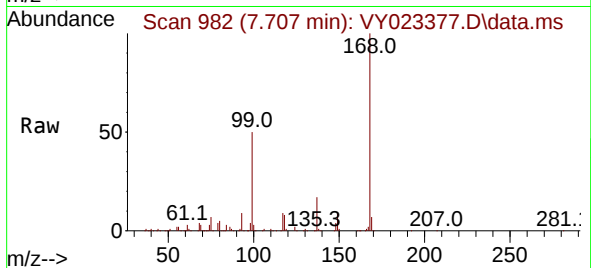
77 0.0 24.6 37.0#



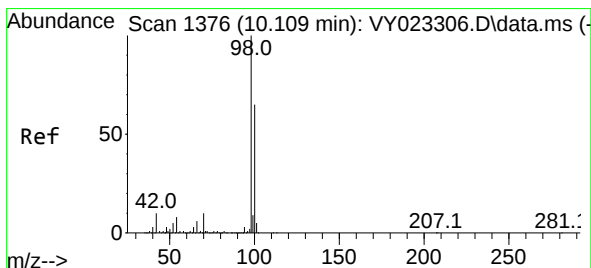
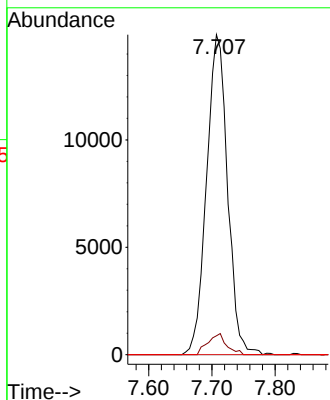
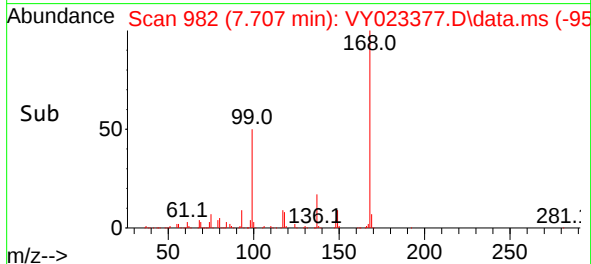


#38
Carbon Tetrachloride
Concen: 4.931 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

Instrument :
MSVOA_Y
ClientSampleId :

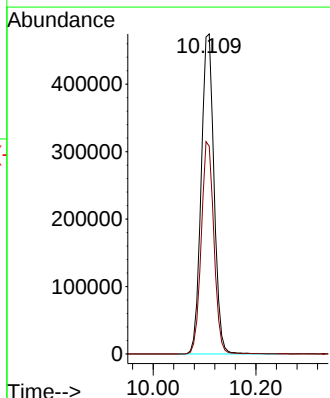
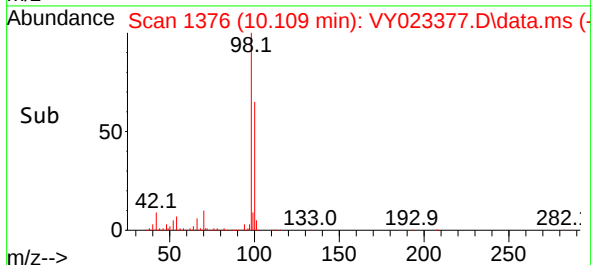
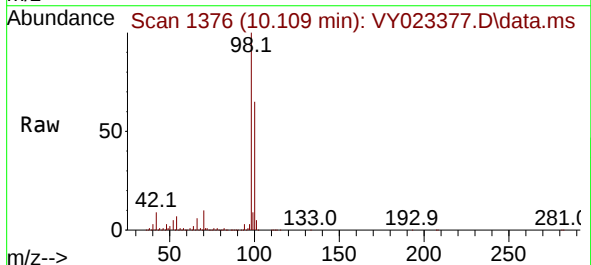


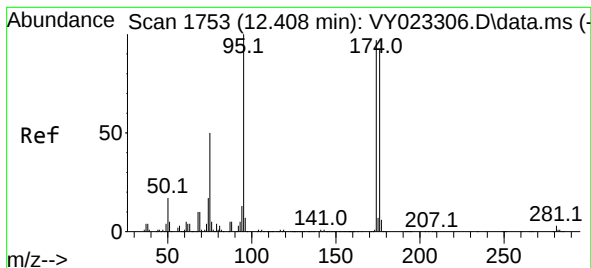
Tgt Ion:117 Resp: 34390
Ion Ratio Lower Upper
117 100
119 5.9 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.138 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

Tgt Ion: 98 Resp: 821747
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

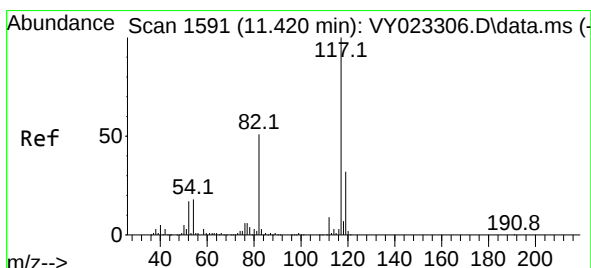
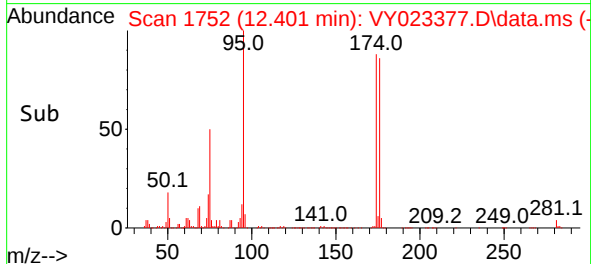
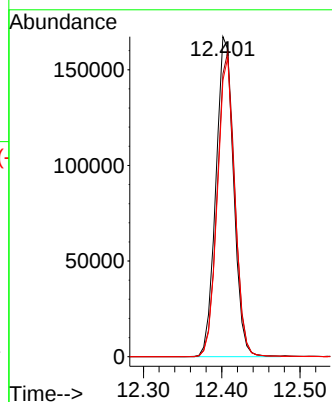
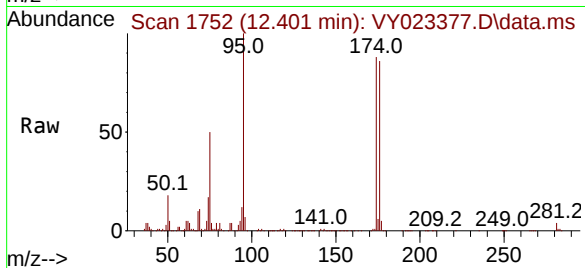




#62
4-Bromofluorobenzene
Concen: 52.177 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

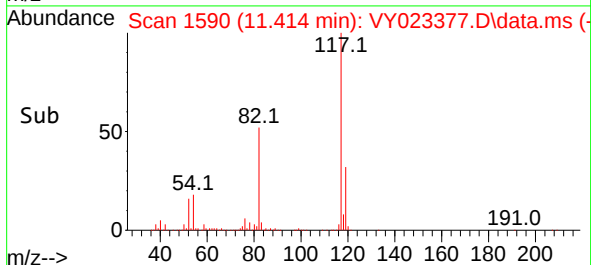
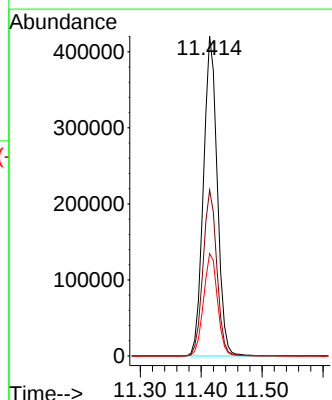
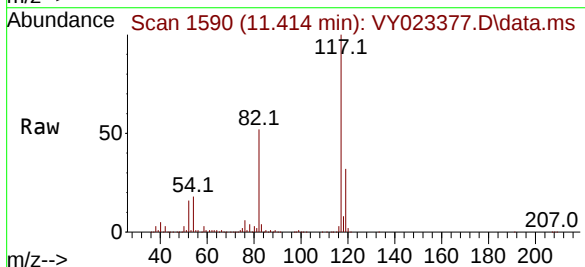
Instrument :
MSVOA_Y
ClientSampleId :

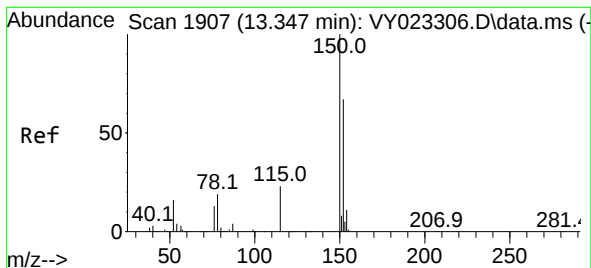
Tgt Ion: 95 Resp: 263855
Ion Ratio Lower Upper
95 100
174 93.9 0.0 171.6
176 91.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

Tgt Ion: 117 Resp: 664319
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.0
119 32.0 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: VY023377.D

Acq: 25 Sep 2025 16:29

Instrument :

MSVOA_Y

ClientSampleId :

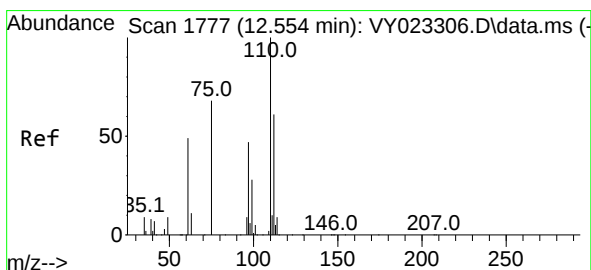
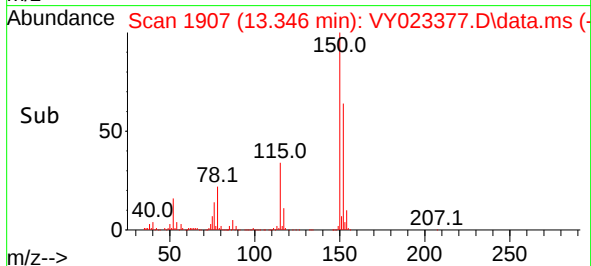
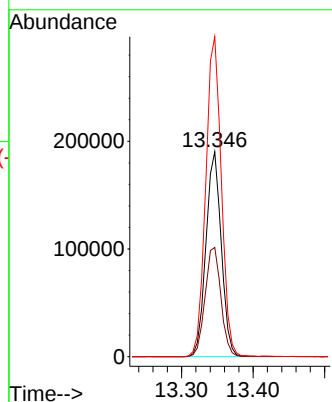
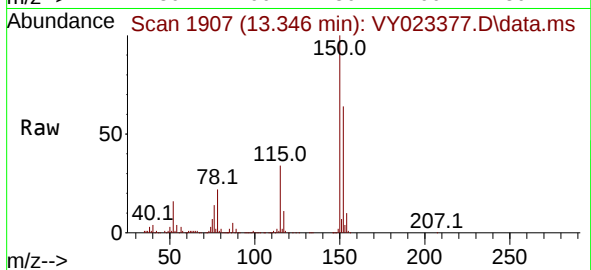
Tgt Ion:152 Resp: 283482

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.6

150 158.4 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 45.661 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023377.D

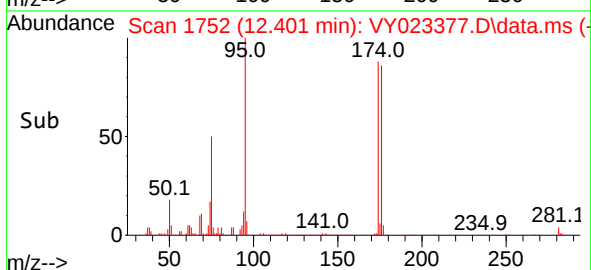
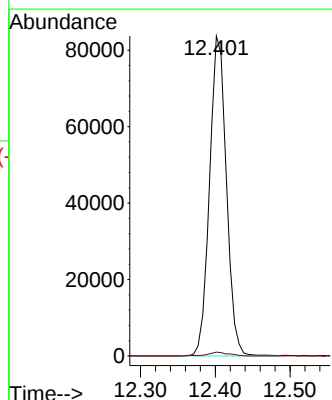
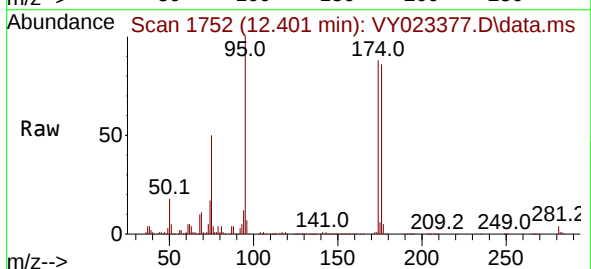
Acq: 25 Sep 2025 16:29

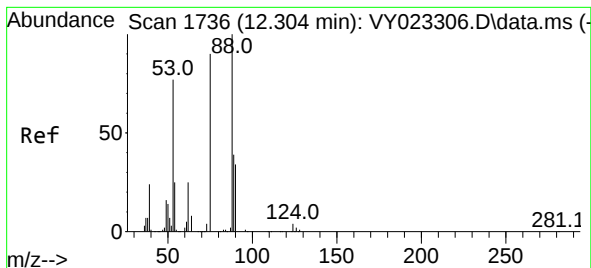
Tgt Ion: 75 Resp: 131083

Ion Ratio Lower Upper

75 100

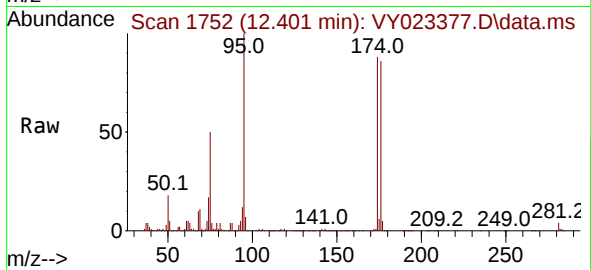
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.522 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023377.D
 Acq: 25 Sep 2025 16:29

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 131083
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

