

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023371.D
 Acq On : 25 Sep 2025 14:09
 Operator : SY/MD
 Sample : Q3189-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 25 16:30:30 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)

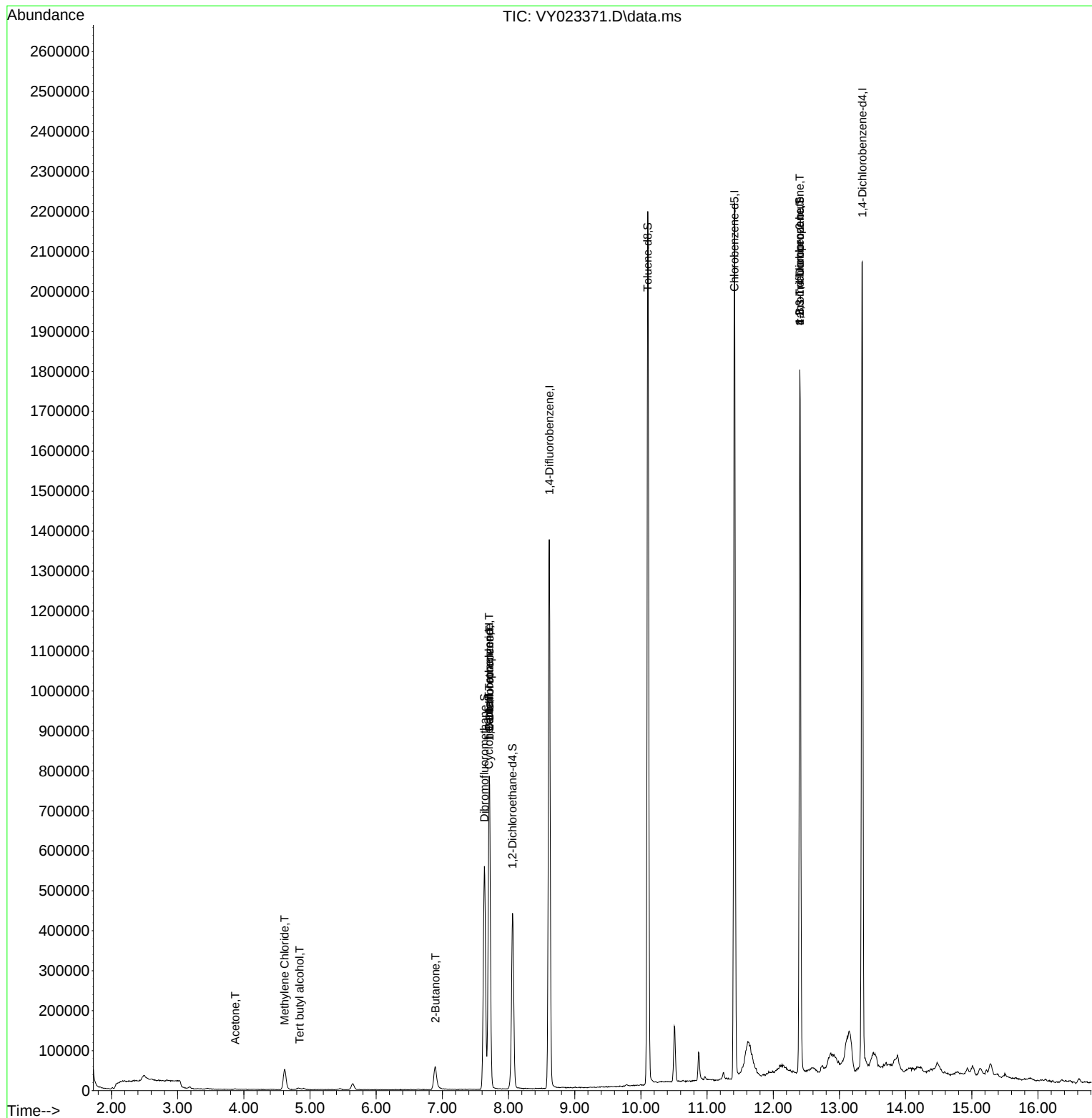
Internal Standards						
1) Pentafluorobenzene	7.707	168	661640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1237268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1215013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	562113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	334646	57.559	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.120%	
35) Dibromofluoromethane	7.634	113	398907	52.745	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.480%	
50) Toluene-d8	10.103	98	1459627	51.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	12.402	95	511496	56.914	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	4513	13.434	ug/l #	75
16) Acetone	3.873	43	2329	1.759	ug/l #	85
20) Methylene Chloride	4.616	84	39861	5.626	ug/l	91
25) 2-Butanone	6.896	43	3277	2.011	ug/l #	86
31) Cyclohexane	7.701	56	11086	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	43884	4.074	ug/l #	51
38) Carbon Tetrachloride	7.707	117	60139	4.852	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	255146	44.822	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	255146	122.233	ug/l #	14

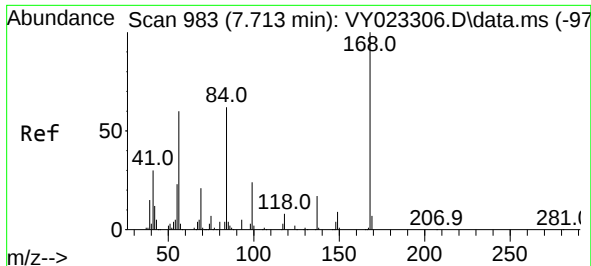
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

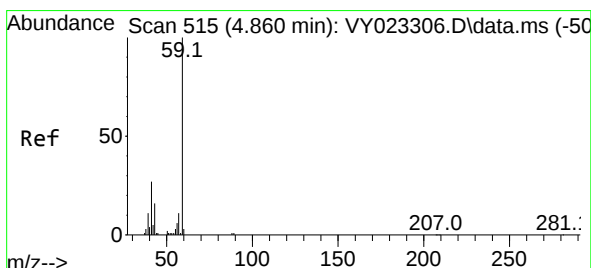
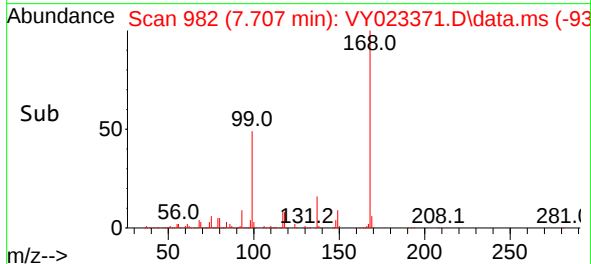
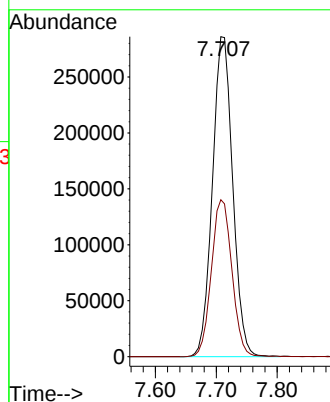
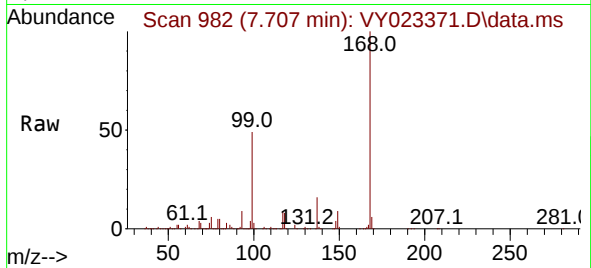




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023371.D
Acq: 25 Sep 2025 14:09

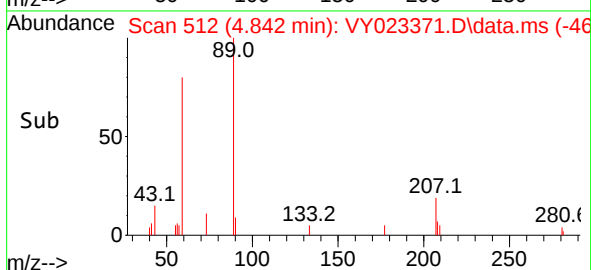
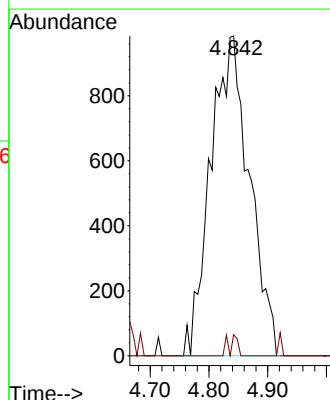
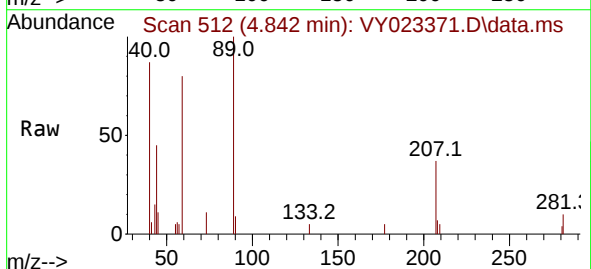
Instrument :
MSVOA_Y
ClientSampleId :

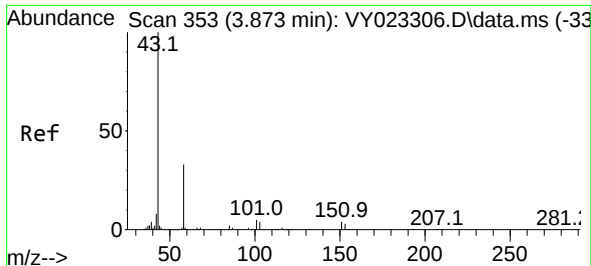
Tgt Ion:168 Resp: 661640
Ion Ratio Lower Upper
168 100
99 49.1 42.8 64.2



#11
Tert butyl alcohol
Concen: 13.434 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023371.D
Acq: 25 Sep 2025 14:09

Tgt Ion: 59 Resp: 4513
Ion Ratio Lower Upper
59 100
57 1.5 8.6 13.0#

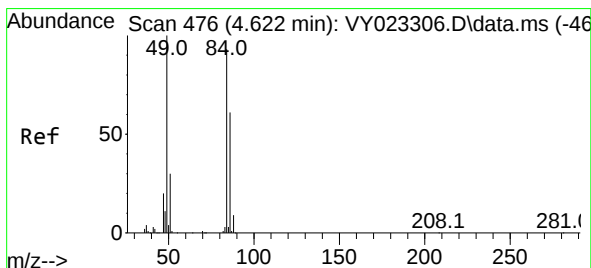
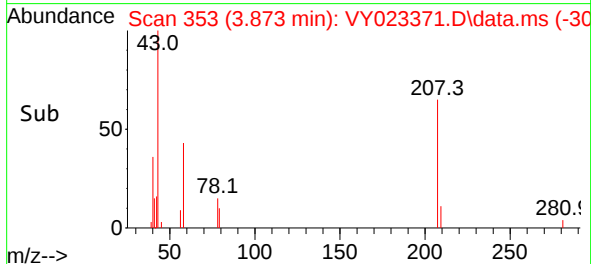
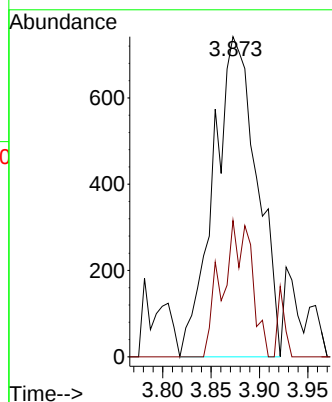
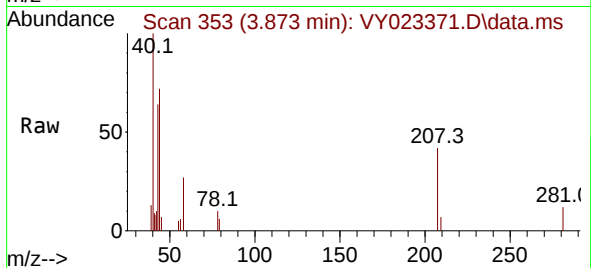




#16
Acetone
Concen: 1.759 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023371.D
Acq: 25 Sep 2025 14:09

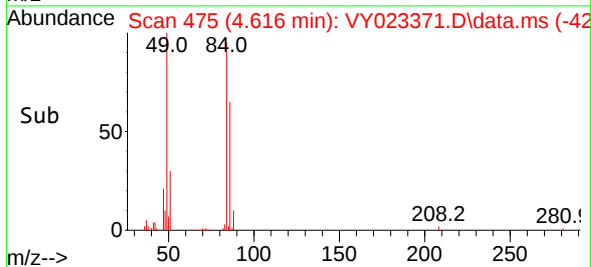
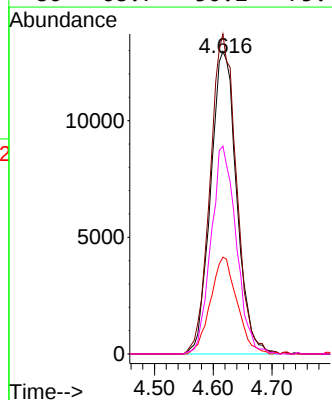
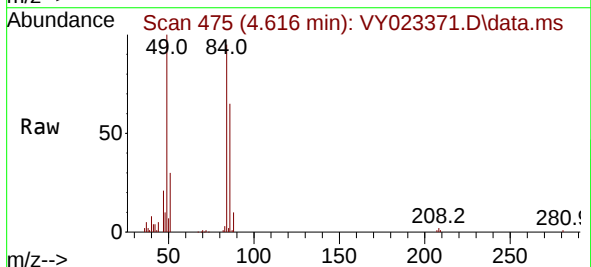
Instrument :
MSVOA_Y
ClientSampleId :

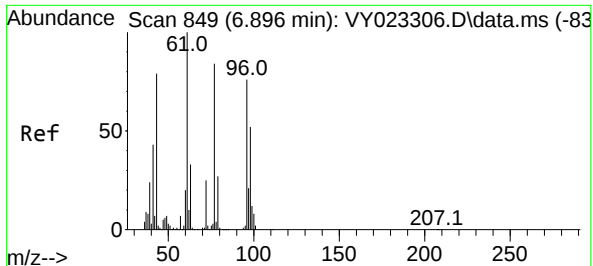
Tgt Ion: 43 Resp: 2329
Ion Ratio Lower Upper
43 100
58 42.6 27.1 40.7#



#20
Methylene Chloride
Concen: 5.626 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023371.D
Acq: 25 Sep 2025 14:09

Tgt Ion: 84 Resp: 39861
Ion Ratio Lower Upper
84 100
49 105.8 93.0 139.6
51 32.0 29.0 43.4
86 68.7 50.2 75.4





#25

2-Butanone

Concen: 2.011 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY023371.D

Acq: 25 Sep 2025 14:09

Instrument :

MSVOA_Y

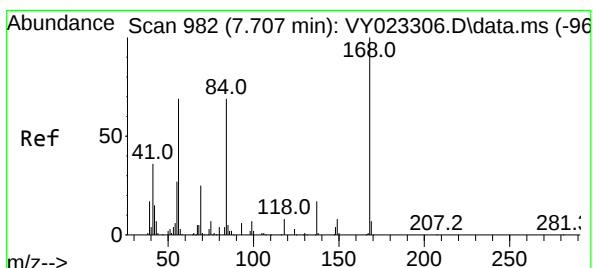
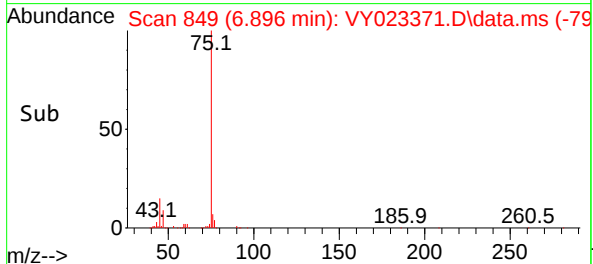
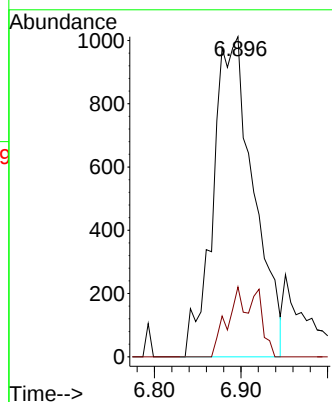
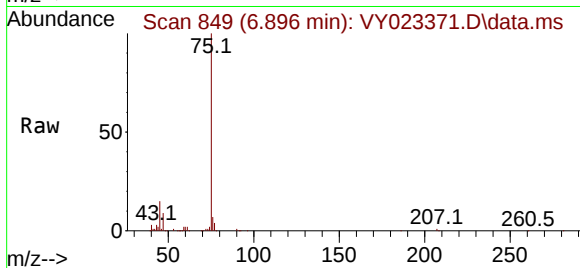
ClientSampleId :

Tgt Ion: 43 Resp: 3277

Ion Ratio Lower Upper

43 100

72 21.8 23.5 35.3#



#31

Cyclohexane

Concen: 1.090 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023371.D

Acq: 25 Sep 2025 14:09

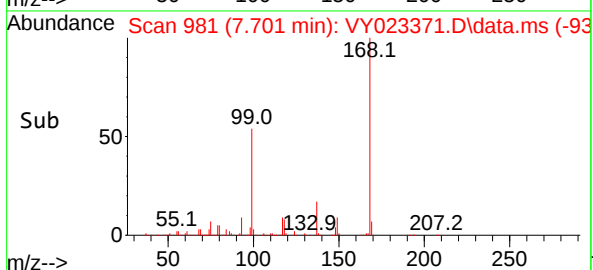
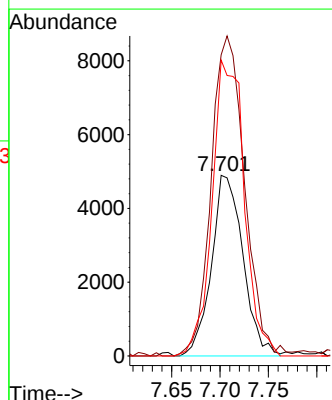
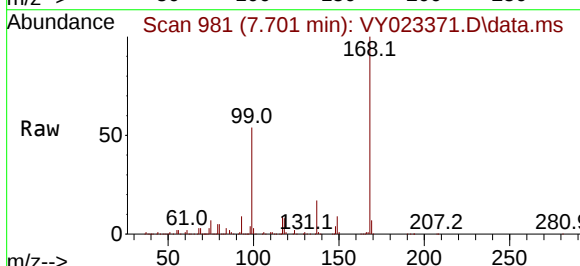
Tgt Ion: 56 Resp: 11086

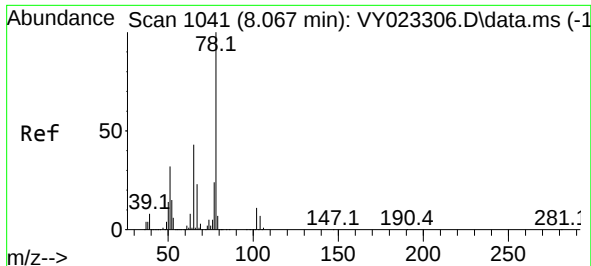
Ion Ratio Lower Upper

56 100

69 165.4 28.2 42.2#

84 163.8 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 57.559 ug/l

RT: 8.061 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023371.D

Acq: 25 Sep 2025 14:09

Instrument :

MSVOA_Y

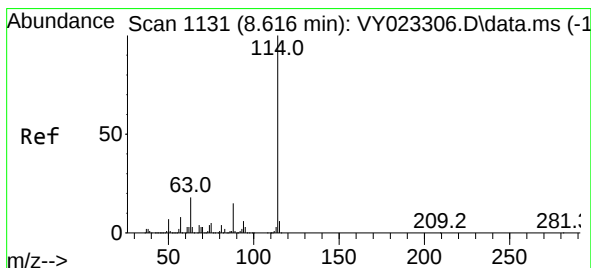
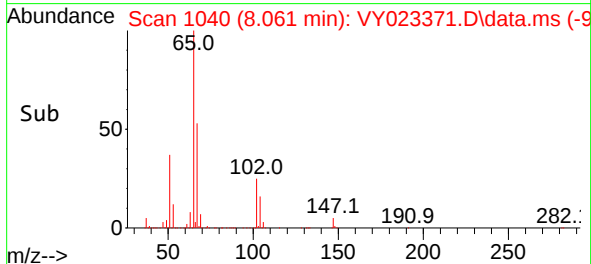
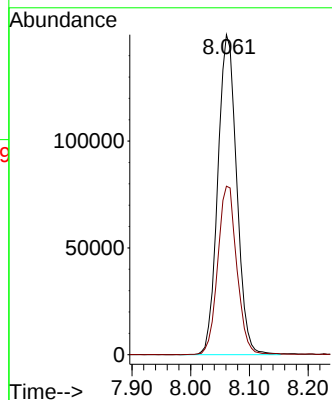
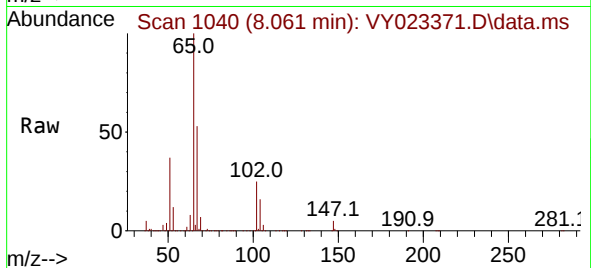
ClientSampleId :

Tgt Ion: 65 Resp: 334646

Ion Ratio Lower Upper

65 100

67 53.4 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: VY023371.D

Acq: 25 Sep 2025 14:09

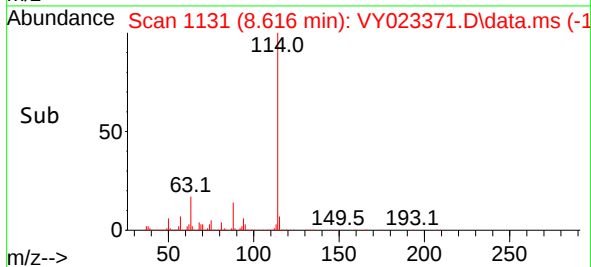
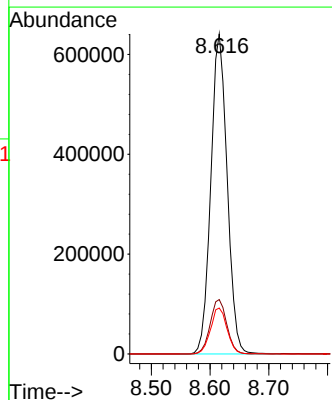
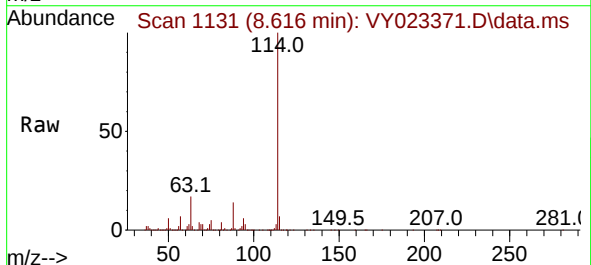
Tgt Ion:114 Resp: 1237268

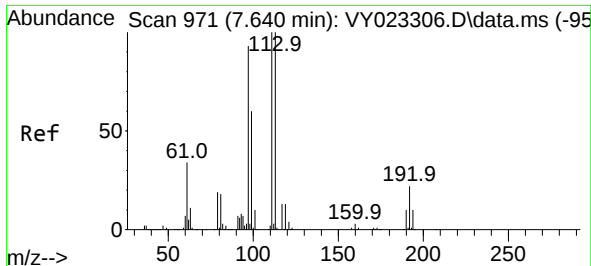
Ion Ratio Lower Upper

114 100

63 17.0 0.0 38.4

88 14.4 0.0 30.0

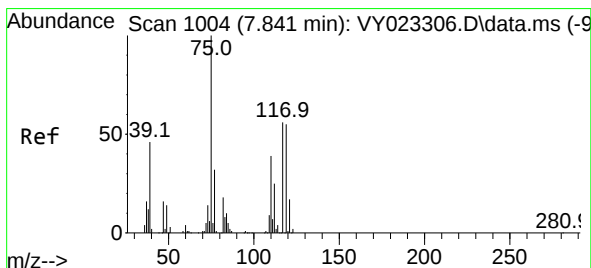
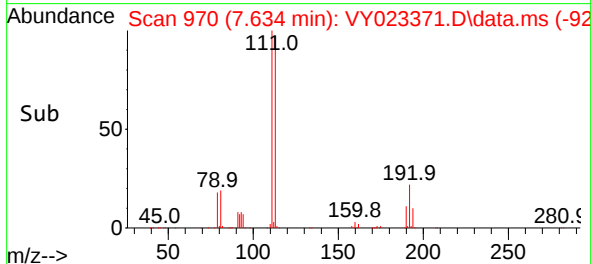
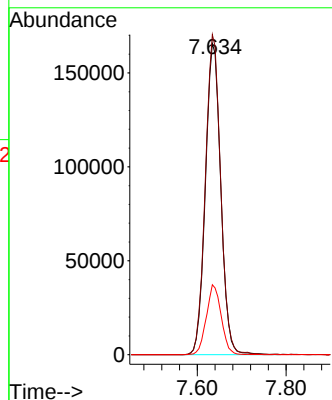
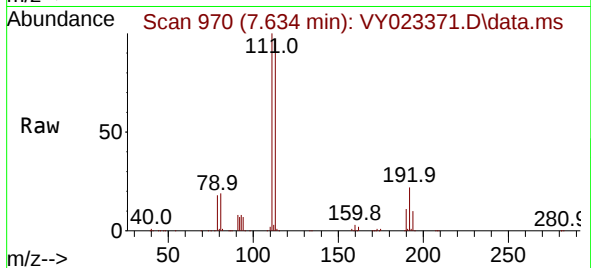




#35
Dibromofluoromethane
Concen: 52.745 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023371.D
Acq: 25 Sep 2025 14:09

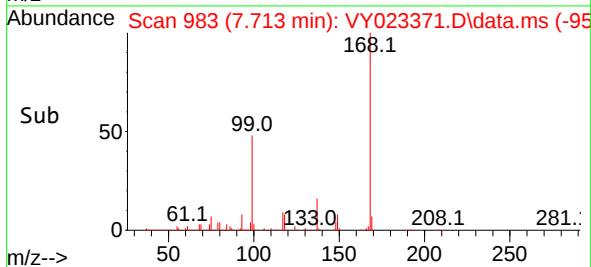
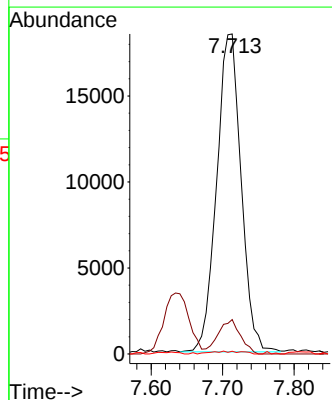
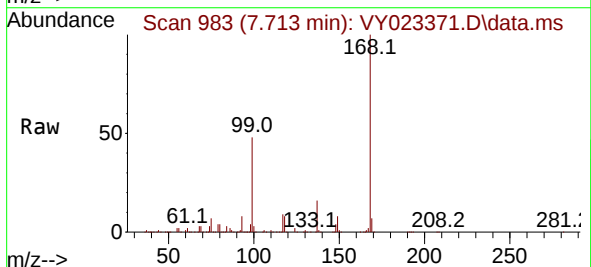
Instrument :
MSVOA_Y
ClientSampleId :

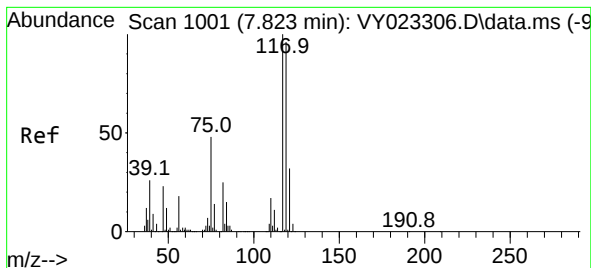
Tgt Ion:113 Resp: 398907
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 21.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.074 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY023371.D
Acq: 25 Sep 2025 14:09

Tgt Ion: 75 Resp: 43884
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.8 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.852 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY023371.D

Acq: 25 Sep 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

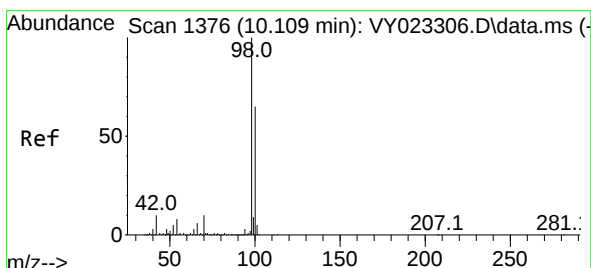
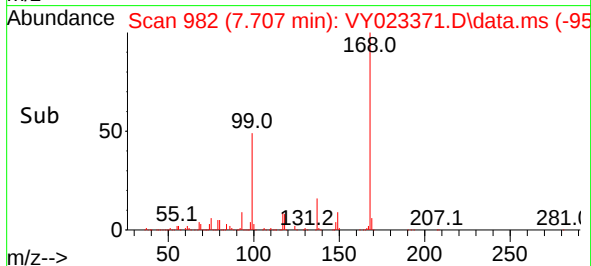
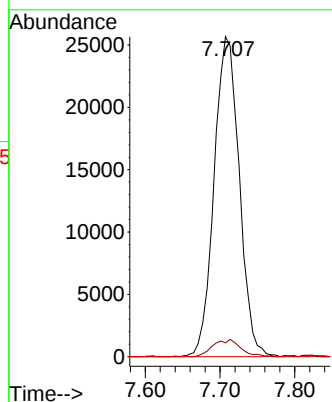
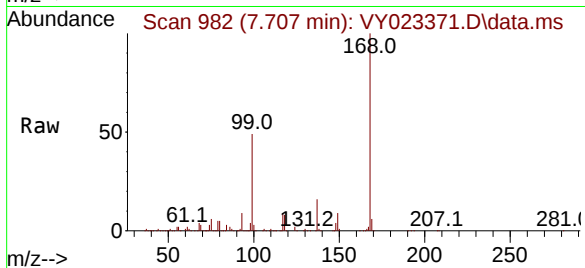
Tgt Ion:117 Resp: 60139

Ion Ratio Lower Upper

117 100

119 4.3 75.6 113.4#

121 0.0 25.8 38.8#



#50

Toluene-d8

Concen: 51.110 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023371.D

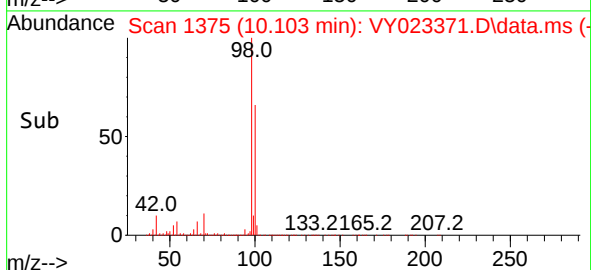
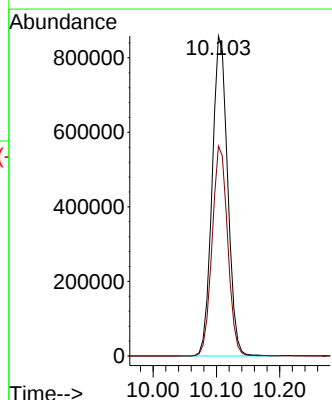
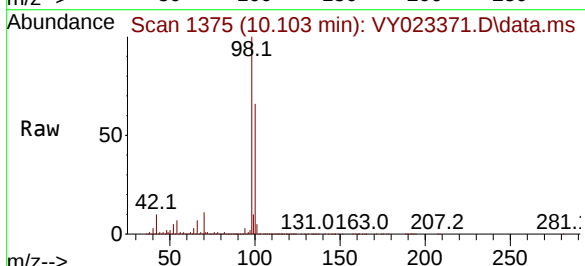
Acq: 25 Sep 2025 14:09

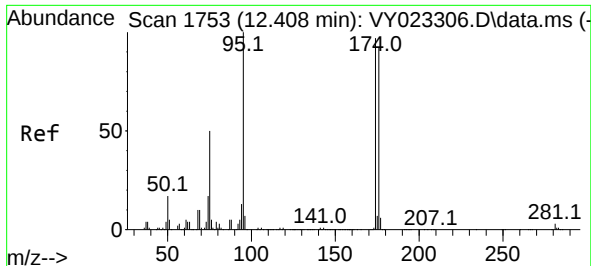
Tgt Ion: 98 Resp: 1459627

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5

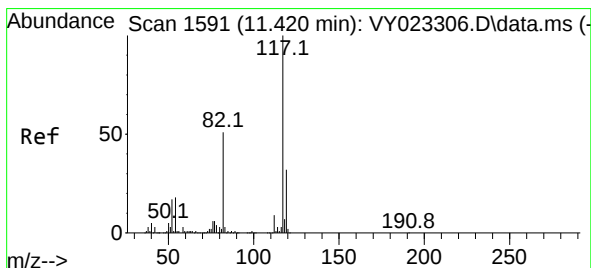
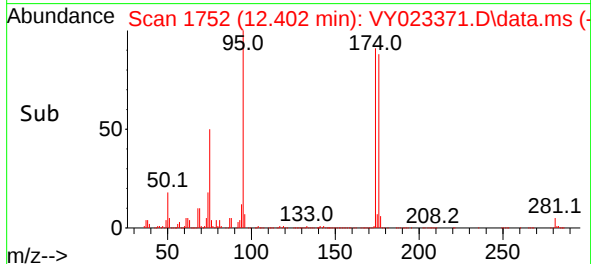
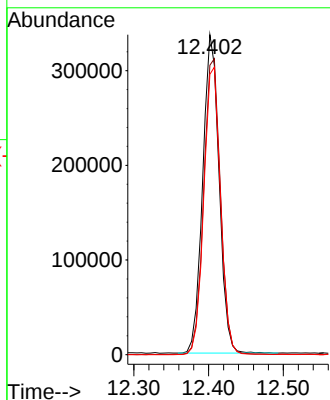
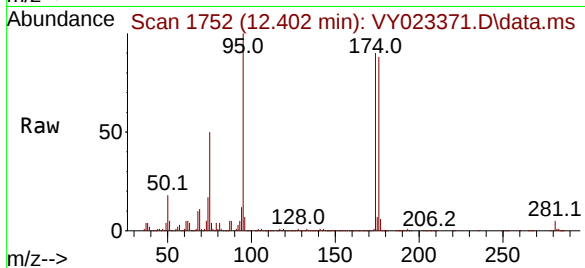




#62
4-Bromofluorobenzene
Concen: 56.914 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023371.D
Acq: 25 Sep 2025 14:09

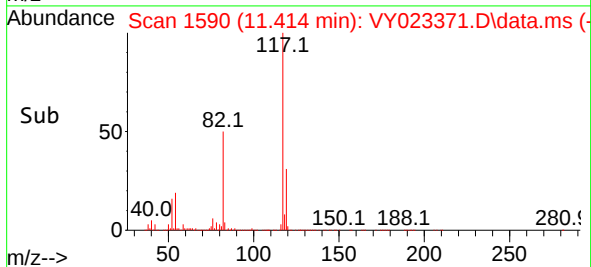
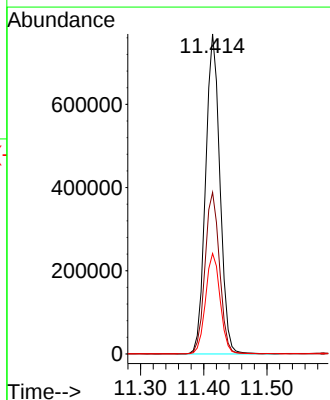
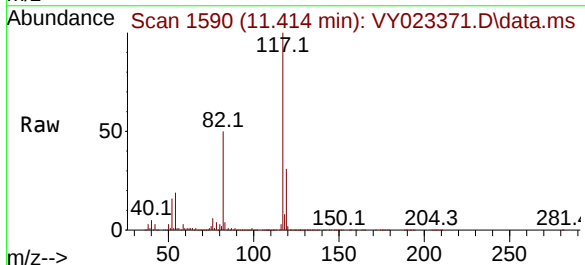
Instrument :
MSVOA_Y
ClientSampleId :

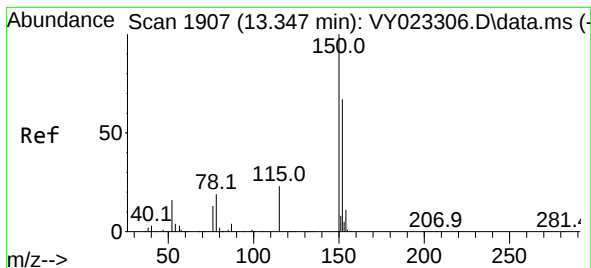
Tgt Ion: 95 Resp: 511496
Ion Ratio Lower Upper
95 100
174 95.5 0.0 171.6
176 92.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023371.D
Acq: 25 Sep 2025 14:09

Tgt Ion: 117 Resp: 1215013
Ion Ratio Lower Upper
117 100
82 50.4 43.4 65.0
119 31.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023371.D

Acq: 25 Sep 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

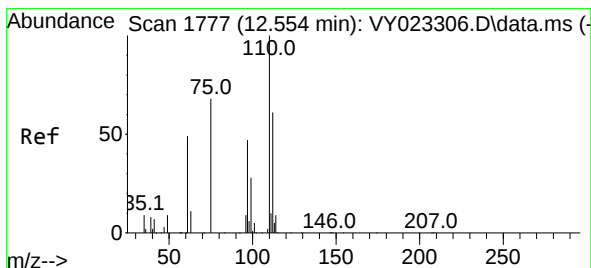
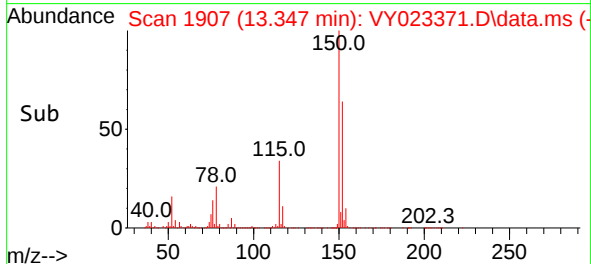
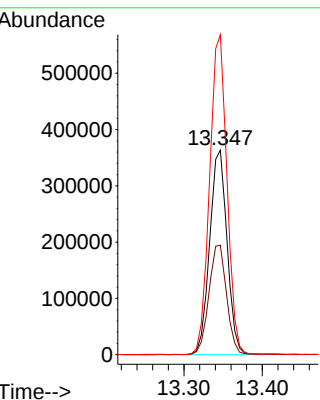
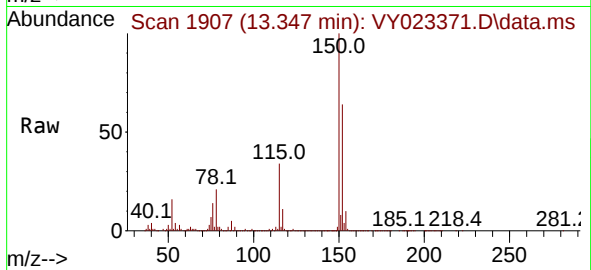
Tgt Ion:152 Resp: 562113

Ion Ratio Lower Upper

152 100

115 54.2 28.2 84.6

150 155.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 44.822 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023371.D

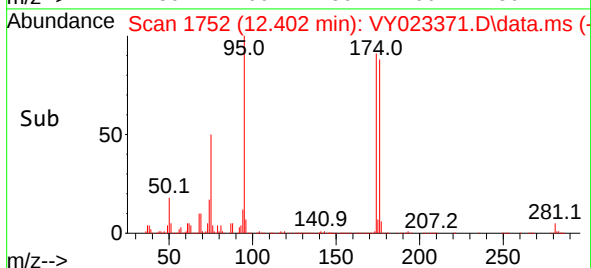
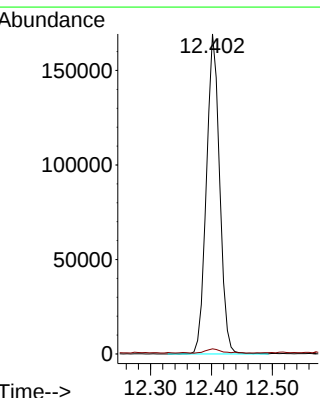
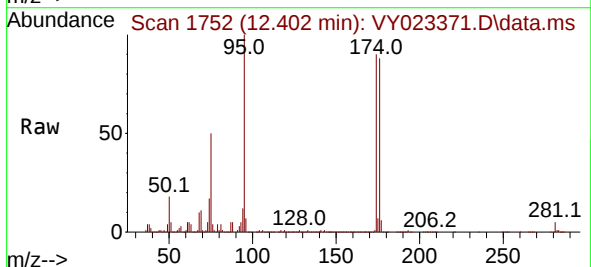
Acq: 25 Sep 2025 14:09

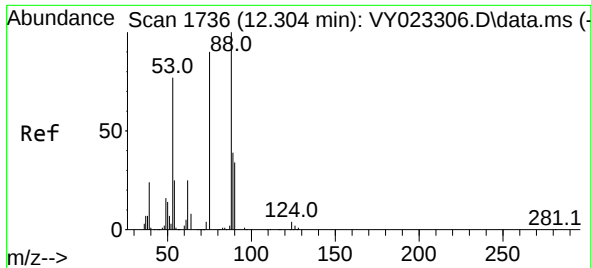
Tgt Ion: 75 Resp: 255146

Ion Ratio Lower Upper

75 100

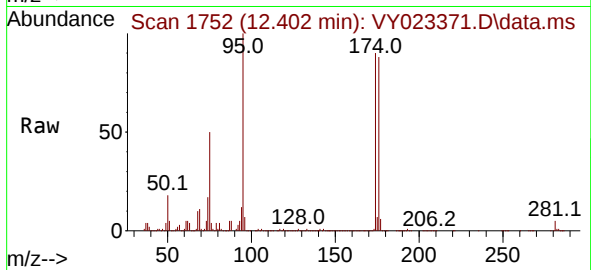
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.233 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023371.D
 Acq: 25 Sep 2025 14:09

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 255146
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

