

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023376.D
 Acq On : 25 Sep 2025 16:06
 Operator : SY/MD
 Sample : Q3208-08
 Misc : 4.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 04:26:06 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)

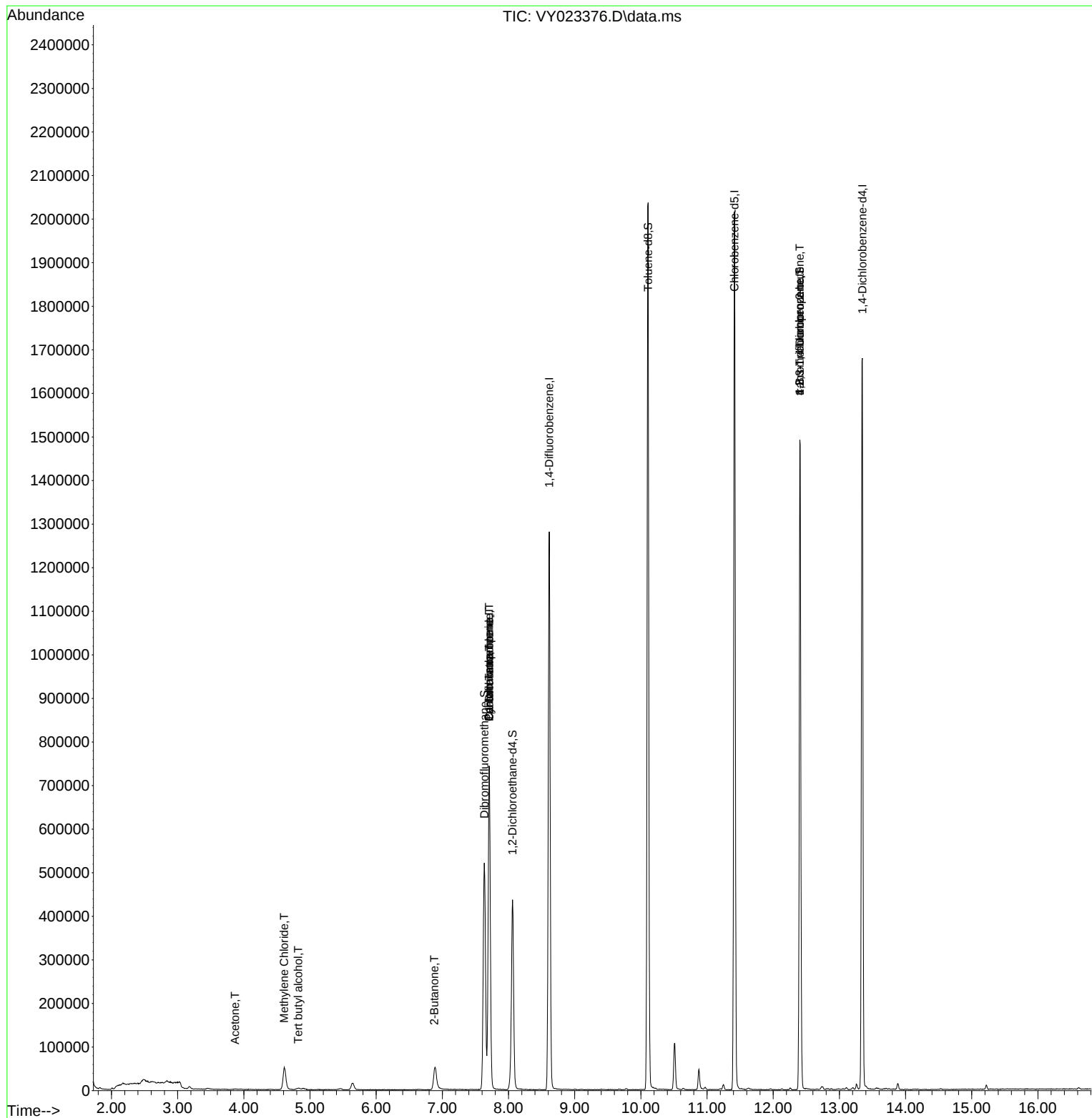
Internal Standards						
1) Pentafluorobenzene	7.707	168	612706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1158791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1107904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	466474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	324409	60.255	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.500%	
35) Dibromofluoromethane	7.634	113	380993	53.788	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.580%	
50) Toluene-d8	10.109	98	1371179	51.265	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	12.401	95	441771	52.484	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.960%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	2536	8.152	ug/l #	73
16) Acetone	3.866	43	1721	1.403	ug/l	95
20) Methylene Chloride	4.610	84	38929	5.933	ug/l	91
25) 2-Butanone	6.878	43	2137	1.416	ug/l #	72
31) Cyclohexane	7.707	56	10898	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	39610	3.926	ug/l #	50
38) Carbon Tetrachloride	7.707	117	55606	4.790	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	220305	46.636	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	220305	127.181	ug/l #	14

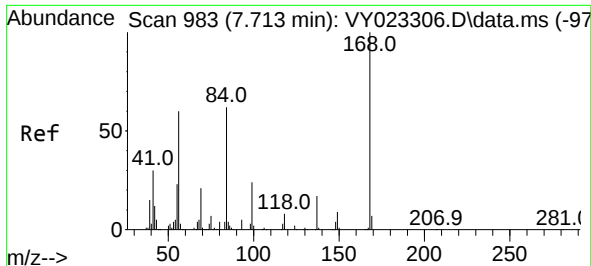
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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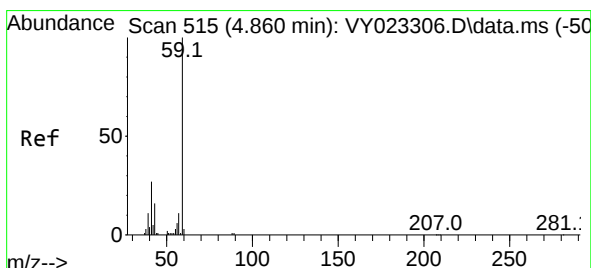
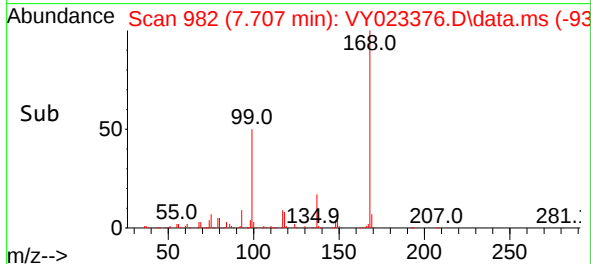
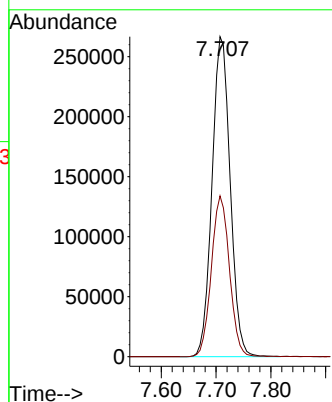
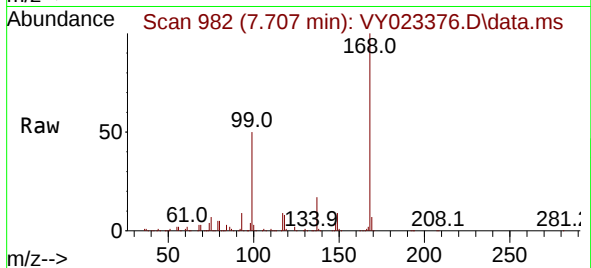




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023376.D
Acq: 25 Sep 2025 16:06

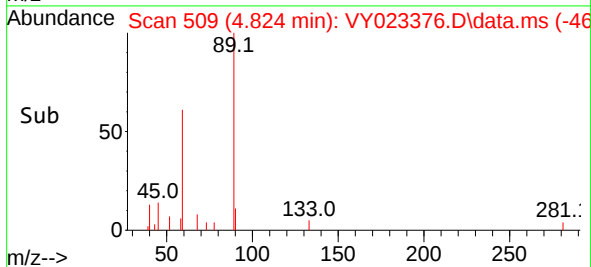
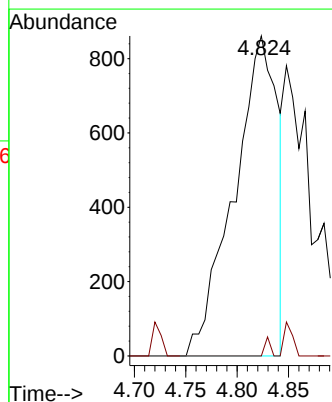
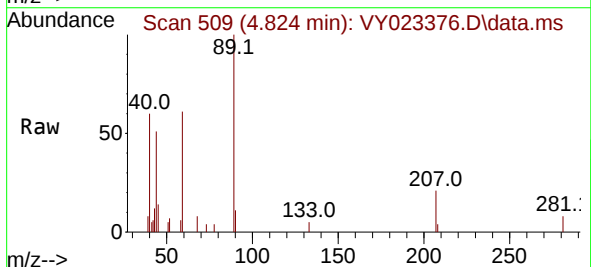
Instrument :
MSVOA_Y
ClientSampleId :

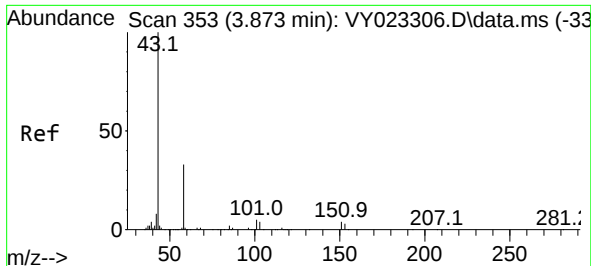
Tgt Ion:168 Resp: 612706
Ion Ratio Lower Upper
168 100
99 50.3 42.8 64.2



#11
Tert butyl alcohol
Concen: 8.152 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023376.D
Acq: 25 Sep 2025 16:06

Tgt Ion: 59 Resp: 2536
Ion Ratio Lower Upper
59 100
57 0.7 8.6 13.0#

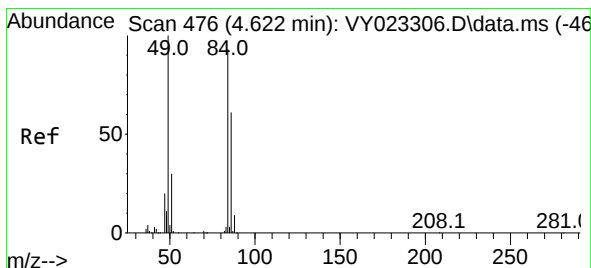
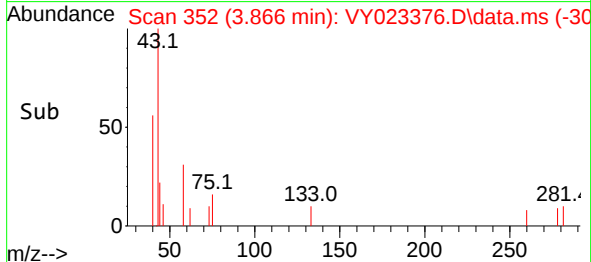
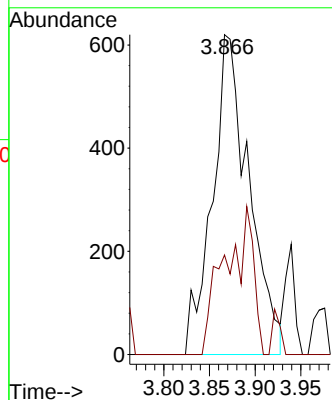
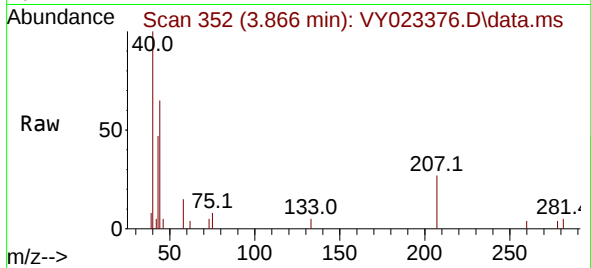




#16
Acetone
Concen: 1.403 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023376.D
Acq: 25 Sep 2025 16:06

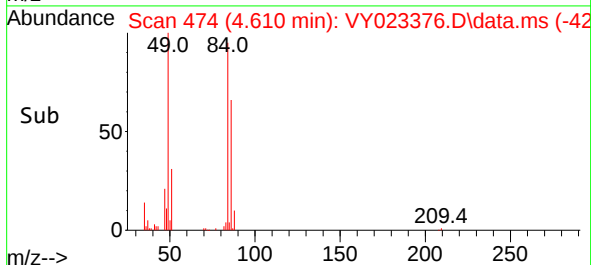
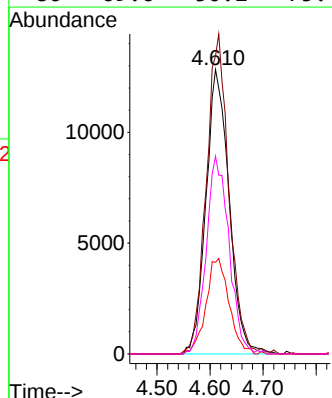
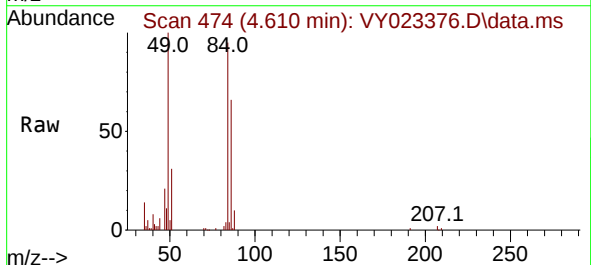
Instrument :
MSVOA_Y
ClientSampleId :

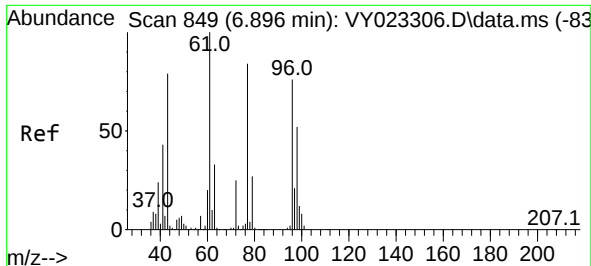
Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
58 31.1 27.1 40.7



#20
Methylene Chloride
Concen: 5.933 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023376.D
Acq: 25 Sep 2025 16:06

Tgt Ion: 84 Resp: 38929
Ion Ratio Lower Upper
84 100
49 104.9 93.0 139.6
51 32.3 29.0 43.4
86 69.6 50.2 75.4





#25

2-Butanone

Concen: 1.416 ug/l

RT: 6.878 min Scan# 849

Delta R.T. -0.006 min

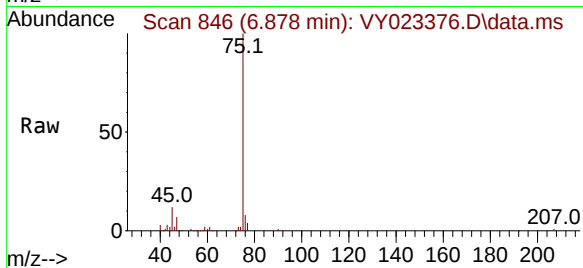
Lab File: VY023376.D

Acq: 25 Sep 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

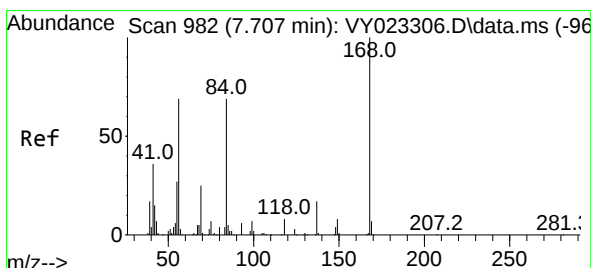
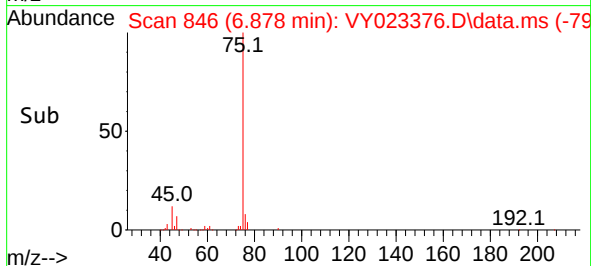
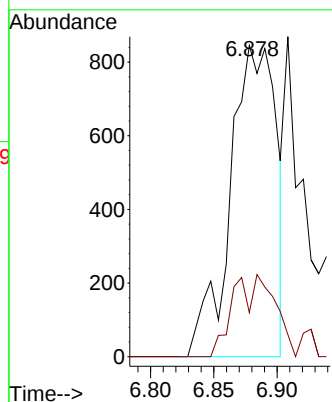


Tgt Ion: 43 Resp: 2137

Ion Ratio Lower Upper

43 100

72 14.2 23.5 35.3#



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY023376.D

Acq: 25 Sep 2025 16:06

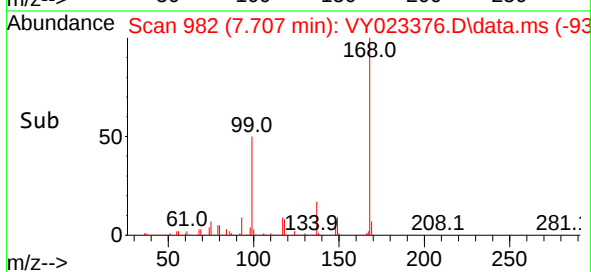
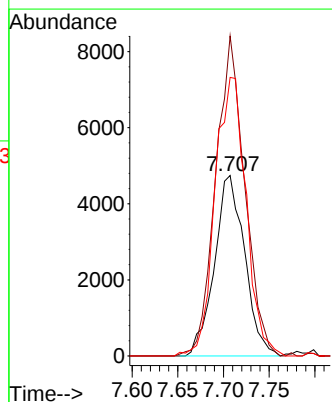
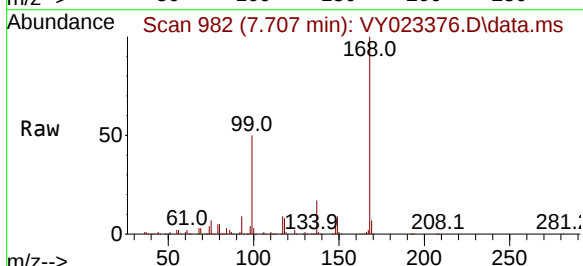
Tgt Ion: 56 Resp: 10898

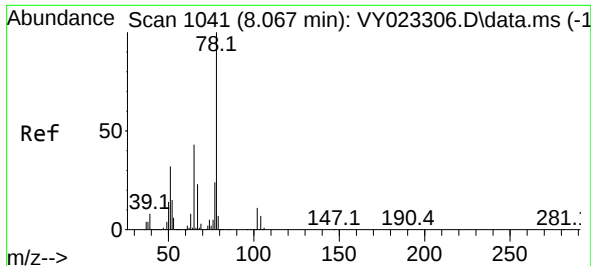
Ion Ratio Lower Upper

56 100

69 177.3 28.2 42.2#

84 152.4 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 60.255 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023376.D

Acq: 25 Sep 2025 16:06

Instrument :

MSVOA_Y

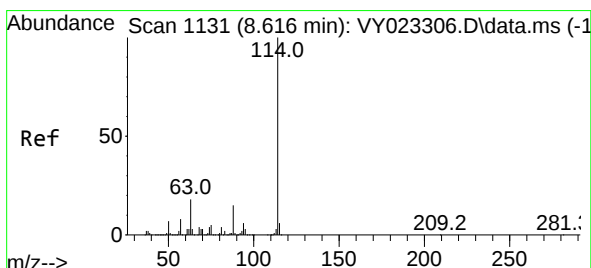
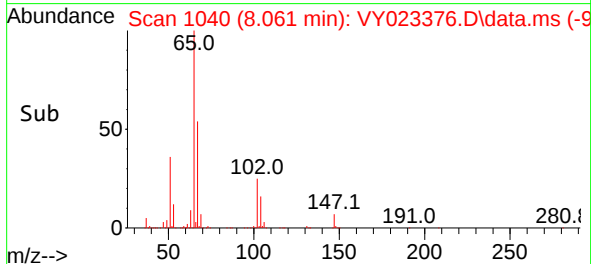
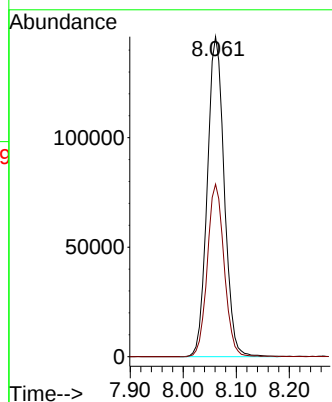
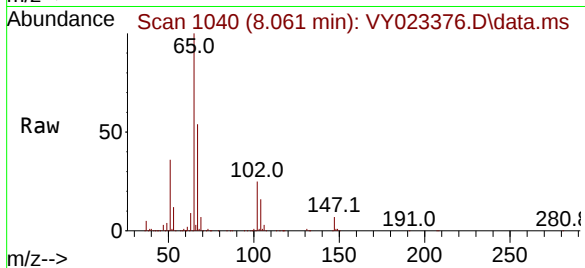
ClientSampleId :

Tgt Ion: 65 Resp: 324409

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: VY023376.D

Acq: 25 Sep 2025 16:06

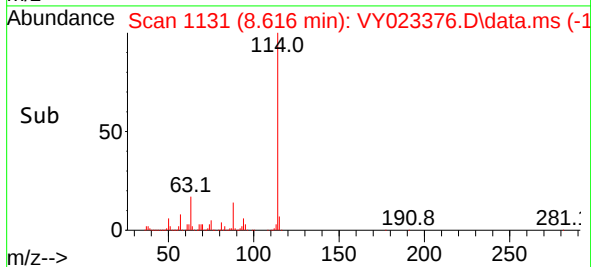
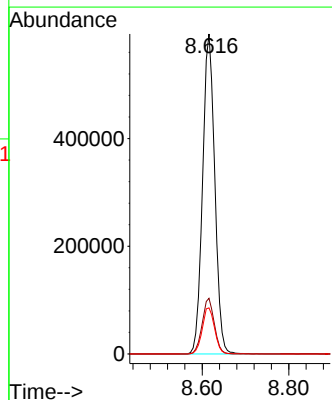
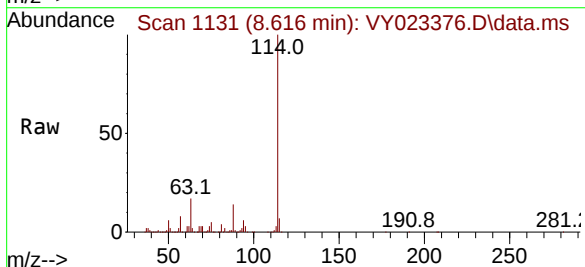
Tgt Ion:114 Resp: 1158791

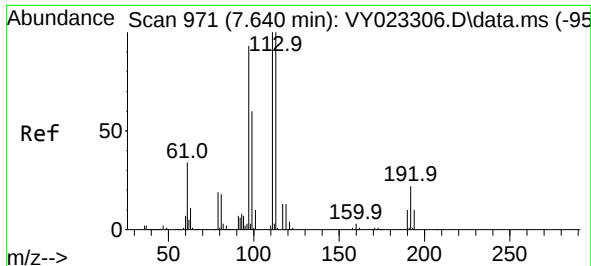
Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.4

88 14.4 0.0 30.0

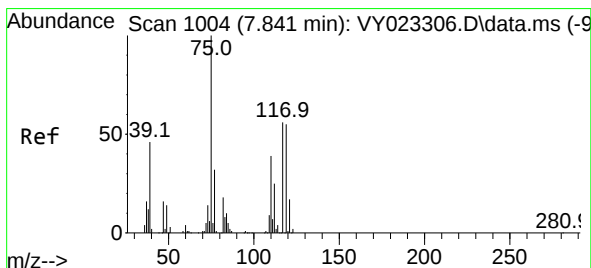
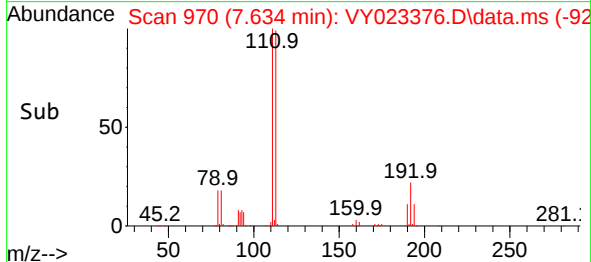
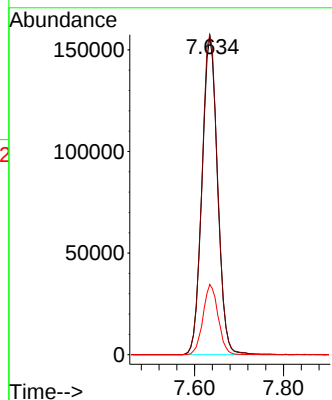
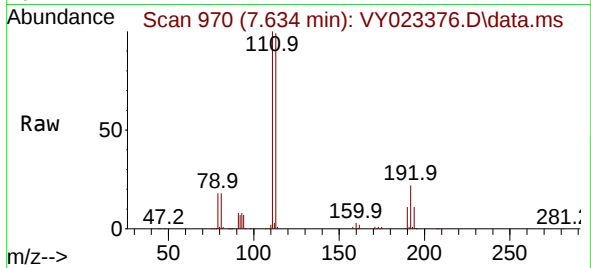




#35
Dibromofluoromethane
Concen: 53.788 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023376.D
Acq: 25 Sep 2025 16:06

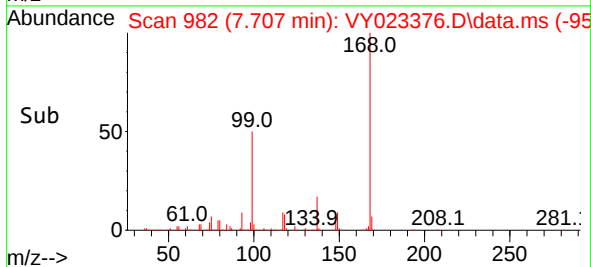
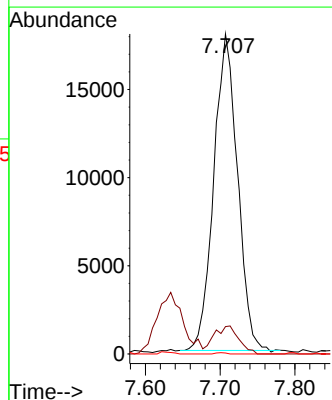
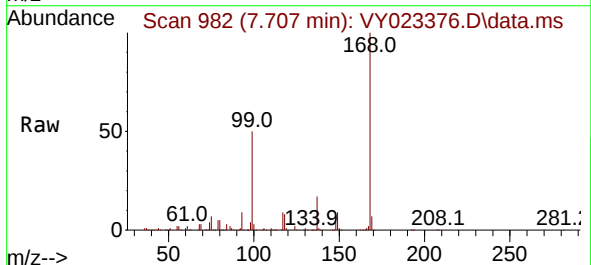
Instrument :
MSVOA_Y
ClientSampleId :

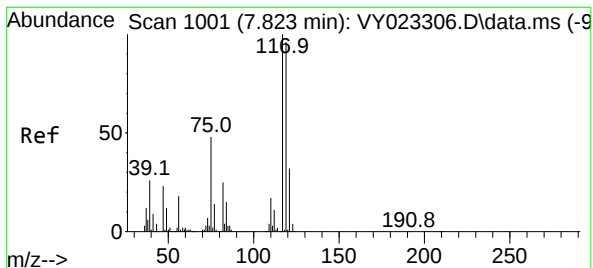
Tgt Ion:113 Resp: 380993
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 21.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 3.926 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023376.D
Acq: 25 Sep 2025 16:06

Tgt Ion: 75 Resp: 39610
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.2 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.790 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY023376.D

Acq: 25 Sep 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

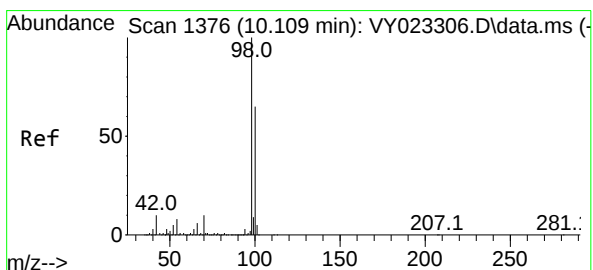
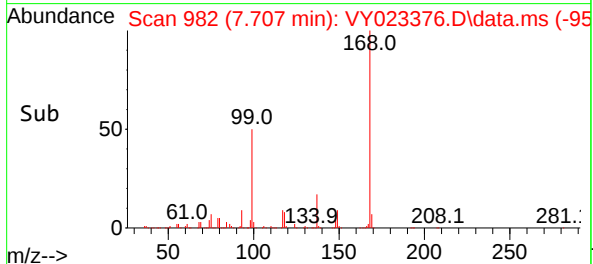
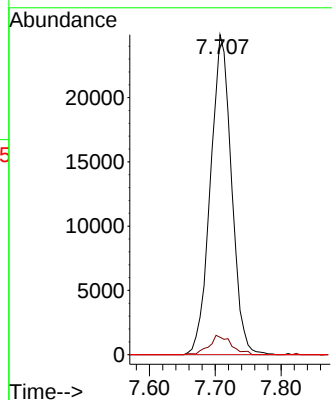
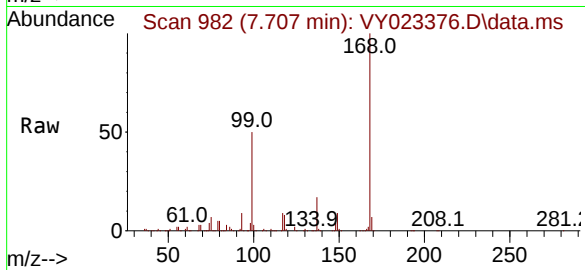
Tgt Ion:117 Resp: 55606

Ion Ratio Lower Upper

117 100

119 5.5 75.6 113.4#

121 0.0 25.8 38.8#



#50

Toluene-d8

Concen: 51.265 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023376.D

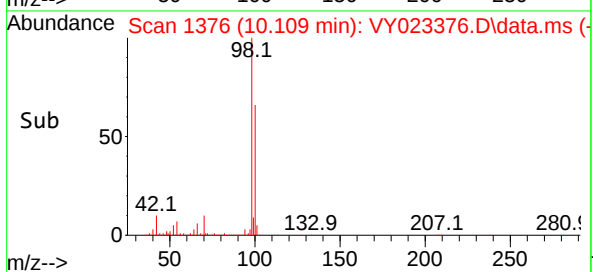
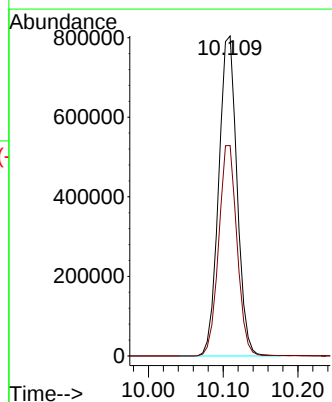
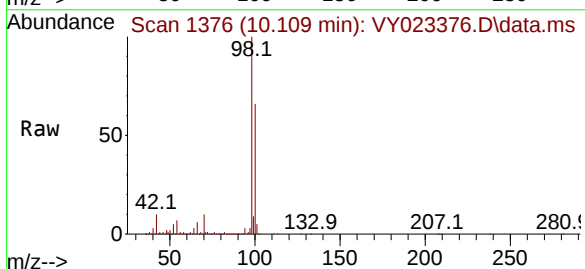
Acq: 25 Sep 2025 16:06

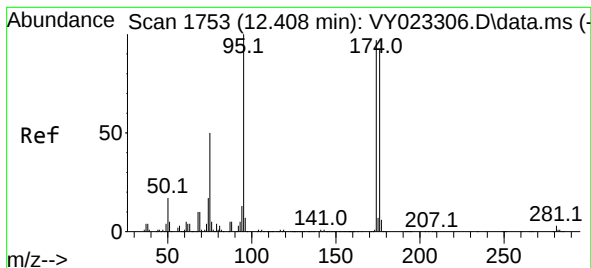
Tgt Ion: 98 Resp: 1371179

Ion Ratio Lower Upper

98 100

100 65.8 52.3 78.5

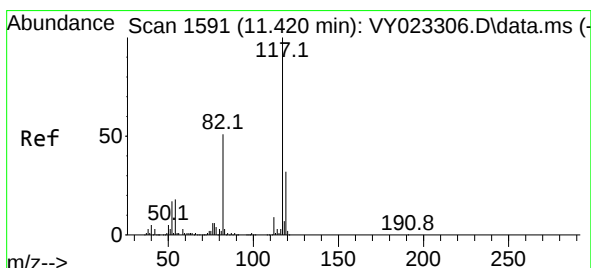
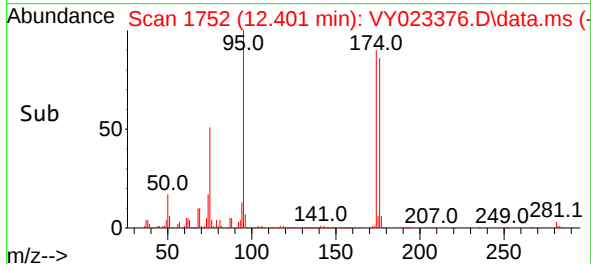
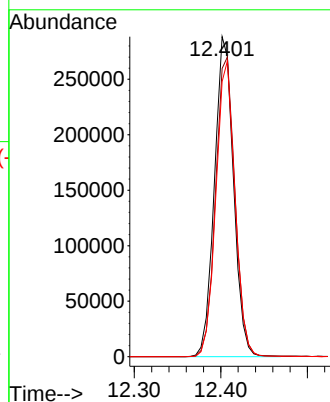
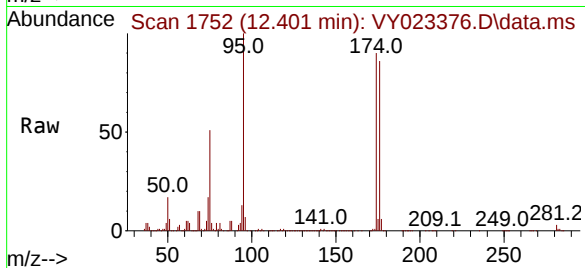




#62
4-Bromofluorobenzene
Concen: 52.484 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023376.D
Acq: 25 Sep 2025 16:06

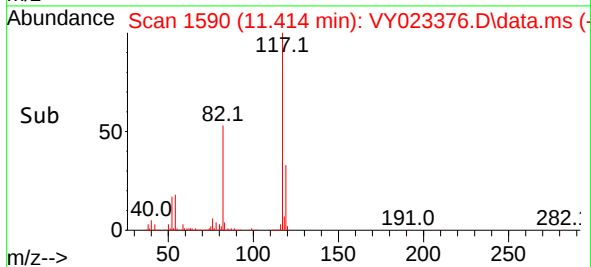
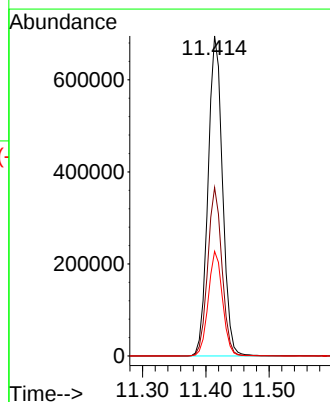
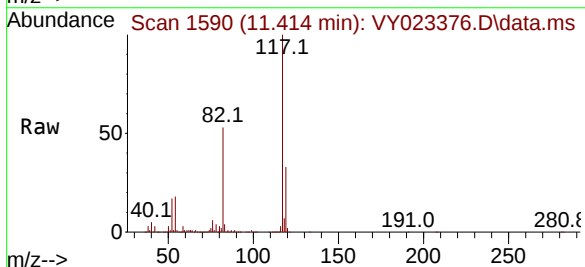
Instrument :
MSVOA_Y
ClientSampleId :

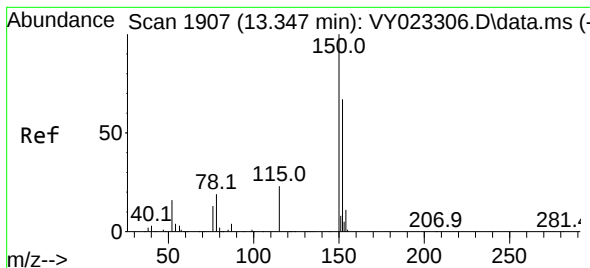
Tgt Ion: 95 Resp: 441771
Ion Ratio Lower Upper
95 100
174 95.0 0.0 171.6
176 92.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023376.D
Acq: 25 Sep 2025 16:06

Tgt Ion: 117 Resp: 1107904
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.7 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: VY023376.D

Acq: 25 Sep 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

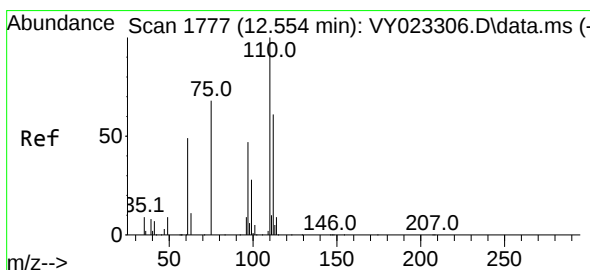
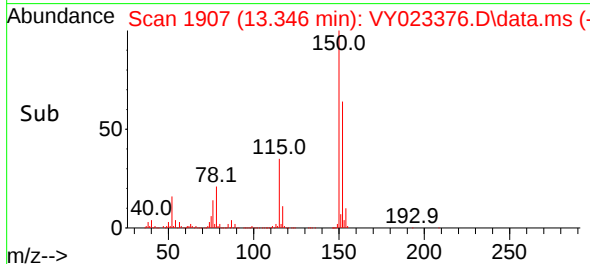
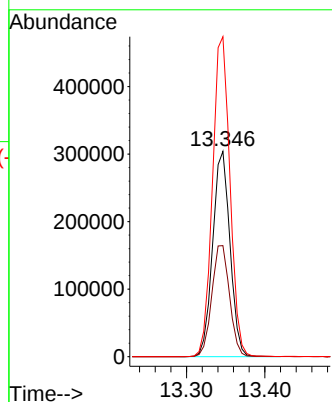
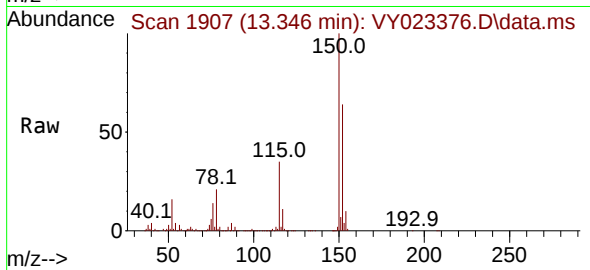
Tgt Ion:152 Resp: 466474

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.6

150 157.2 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 46.636 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023376.D

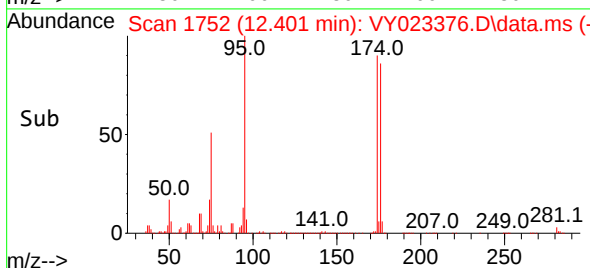
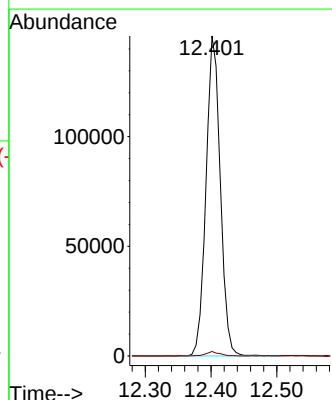
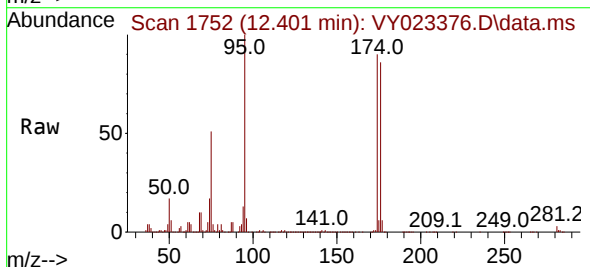
Acq: 25 Sep 2025 16:06

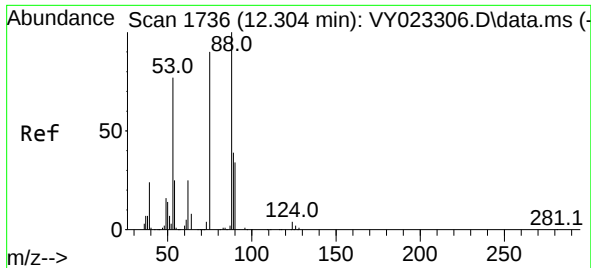
Tgt Ion: 75 Resp: 220305

Ion Ratio Lower Upper

75 100

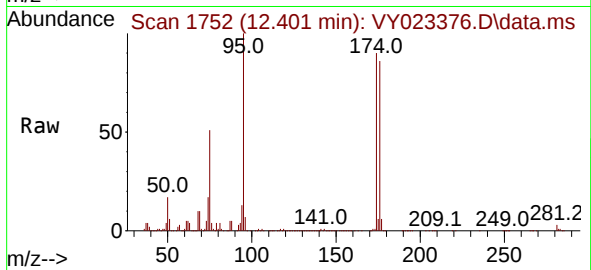
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.181 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023376.D
 Acq: 25 Sep 2025 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 220305
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

