

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023369.D
 Acq On : 25 Sep 2025 13:22
 Operator : SY/MD
 Sample : Q3188-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 25 16:29:43 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)

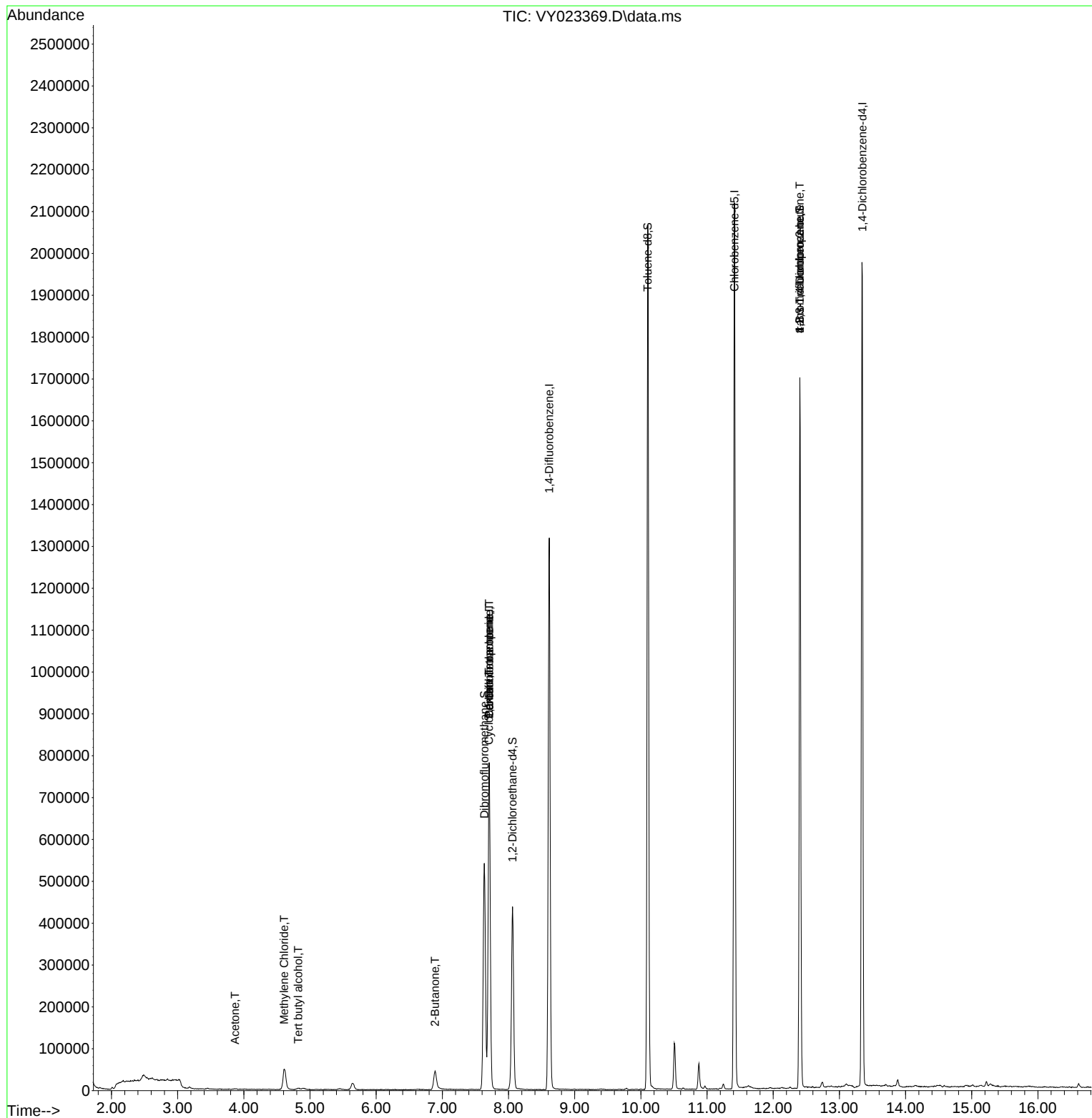
Internal Standards						
1) Pentafluorobenzene	7.707	168	642119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1186786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1158750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	542221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	332529	58.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.860%
35) Dibromofluoromethane	7.634	113	387346	53.395	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.780%
50) Toluene-d8	10.103	98	1380335	50.390	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.780%
62) 4-Bromofluorobenzene	12.401	95	491271	56.989	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	3645	11.180	ug/l #	73
16) Acetone	3.866	43	2798	2.177	ug/l	95
20) Methylene Chloride	4.610	84	40551	5.897	ug/l	95
25) 2-Butanone	6.890	43	2408	1.522	ug/l #	79
31) Cyclohexane	7.701	56	10702	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	42455	4.109	ug/l #	50
38) Carbon Tetrachloride	7.707	117	60175	5.061	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	242278	44.123	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	242278	120.327	ug/l #	14

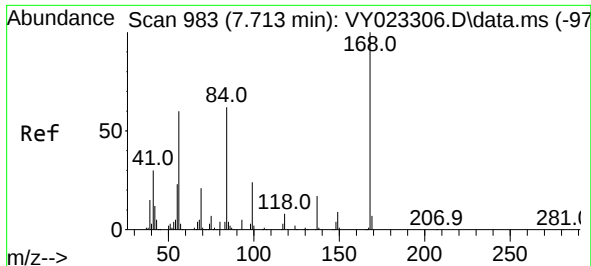
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
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Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

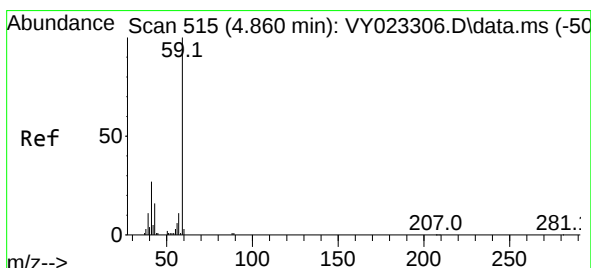
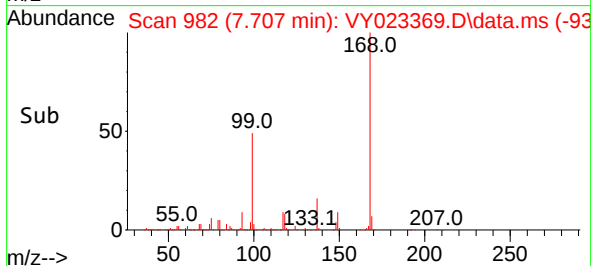
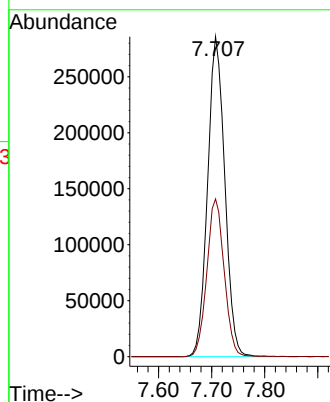
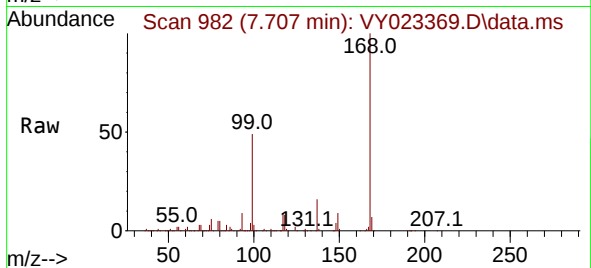




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023369.D
Acq: 25 Sep 2025 13:22

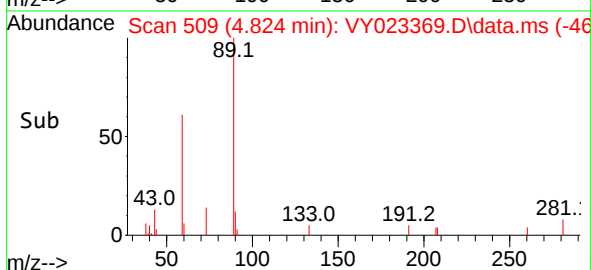
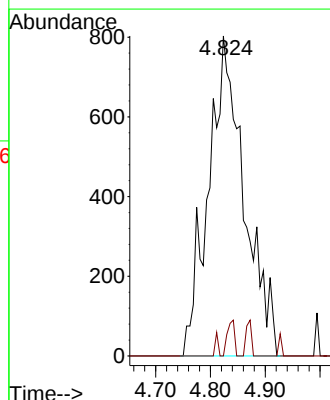
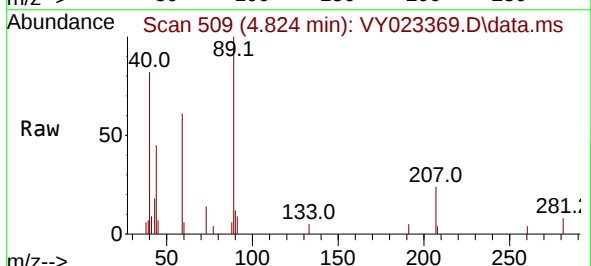
Instrument :
MSVOA_Y
ClientSampleId :

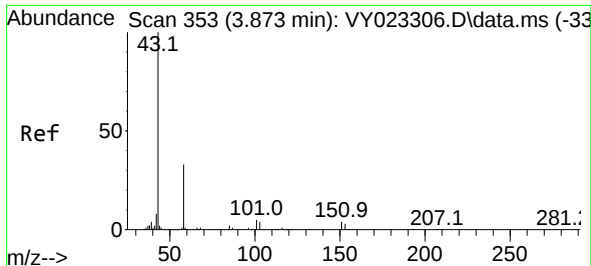
Tgt Ion:168 Resp: 642119
Ion Ratio Lower Upper
168 100
99 49.3 42.8 64.2



#11
Tert butyl alcohol
Concen: 11.180 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023369.D
Acq: 25 Sep 2025 13:22

Tgt Ion: 59 Resp: 3645
Ion Ratio Lower Upper
59 100
57 0.6 8.6 13.0#

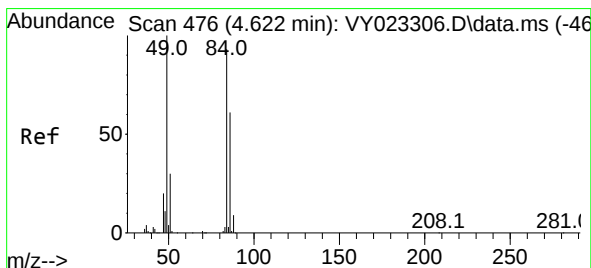
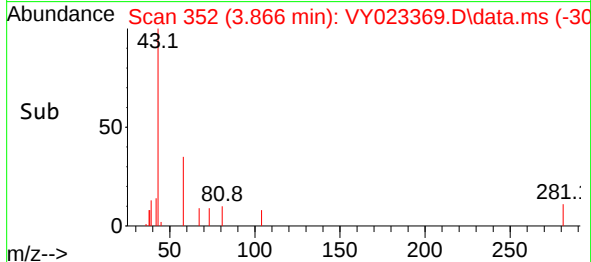
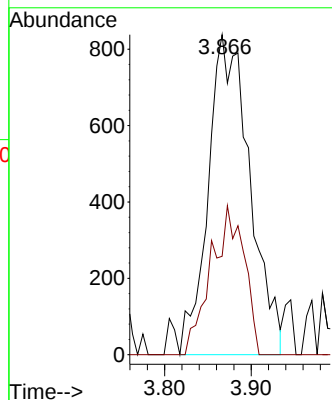
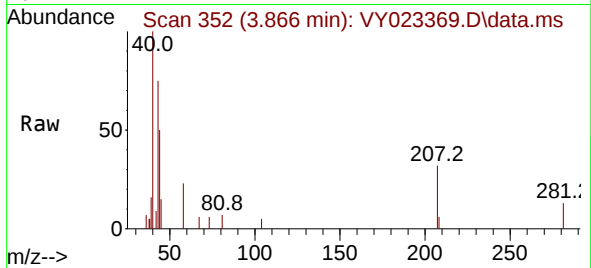




#16
Acetone
Concen: 2.177 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023369.D
Acq: 25 Sep 2025 13:22

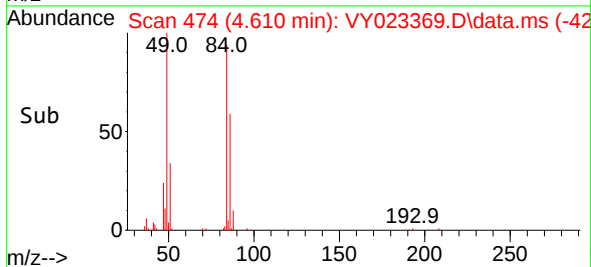
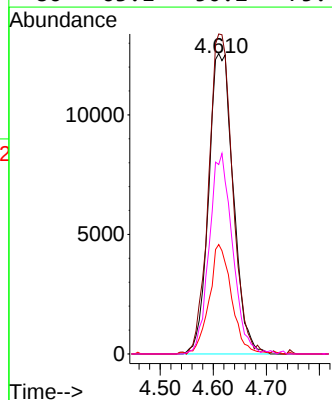
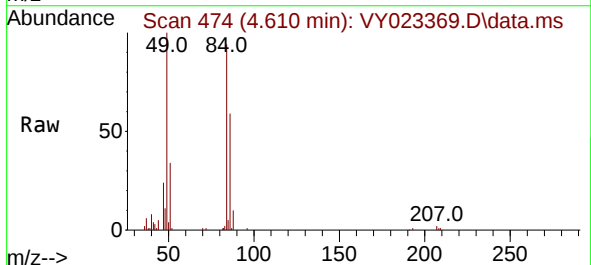
Instrument :
MSVOA_Y
ClientSampleId :

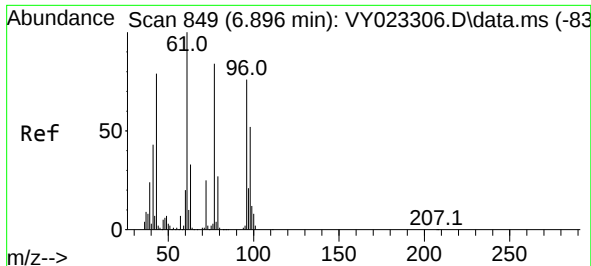
Tgt Ion: 43 Resp: 2798
Ion Ratio Lower Upper
43 100
58 30.8 27.1 40.7



#20
Methylene Chloride
Concen: 5.897 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023369.D
Acq: 25 Sep 2025 13:22

Tgt Ion: 84 Resp: 40551
Ion Ratio Lower Upper
84 100
49 106.5 93.0 139.6
51 36.0 29.0 43.4
86 63.1 50.2 75.4





#25

2-Butanone

Concen: 1.522 ug/l

RT: 6.890 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY023369.D

Acq: 25 Sep 2025 13:22

Instrument :

MSVOA_Y

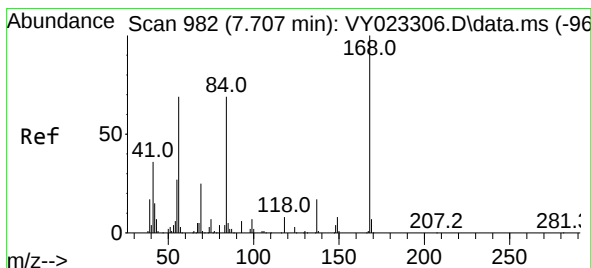
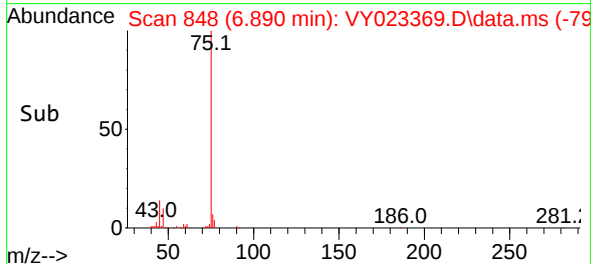
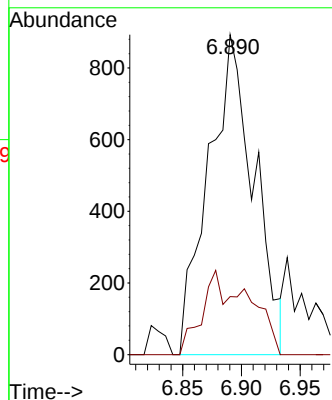
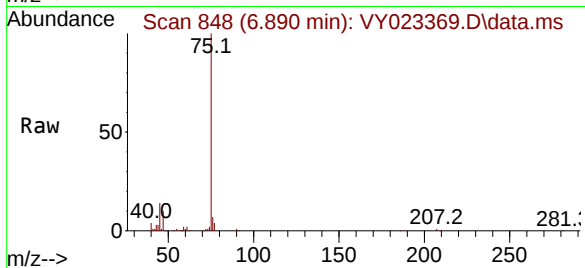
ClientSampleId :

Tgt Ion: 43 Resp: 2408

Ion Ratio Lower Upper

43 100

72 18.1 23.5 35.3#



#31

Cyclohexane

Concen: 1.084 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023369.D

Acq: 25 Sep 2025 13:22

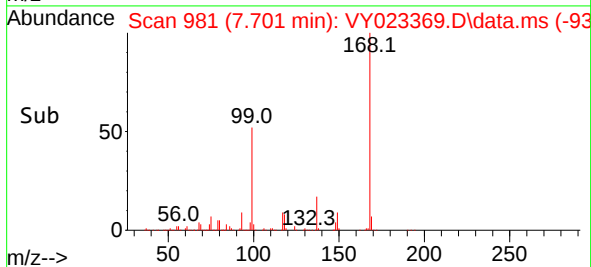
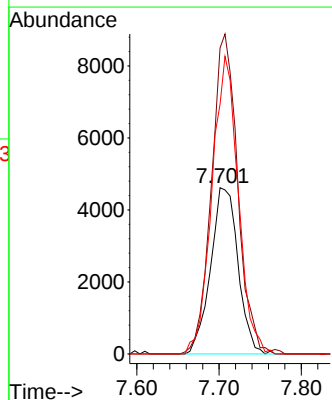
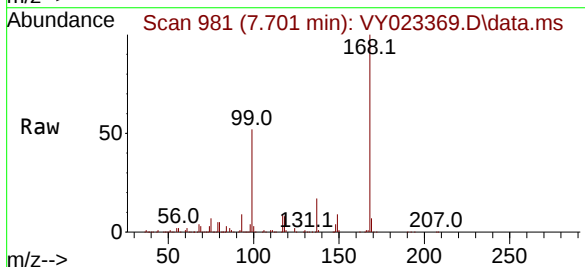
Tgt Ion: 56 Resp: 10702

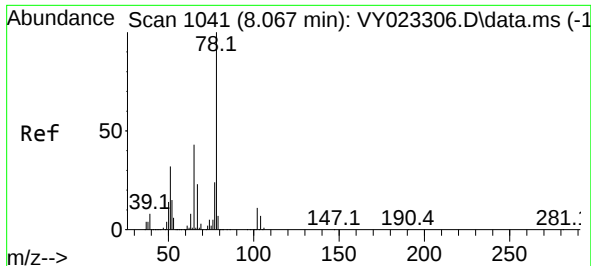
Ion Ratio Lower Upper

56 100

69 184.1 28.2 42.2#

84 150.2 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.934 ug/l

RT: 8.061 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023369.D

Acq: 25 Sep 2025 13:22

Instrument :

MSVOA_Y

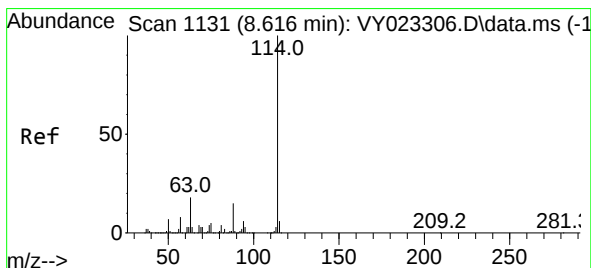
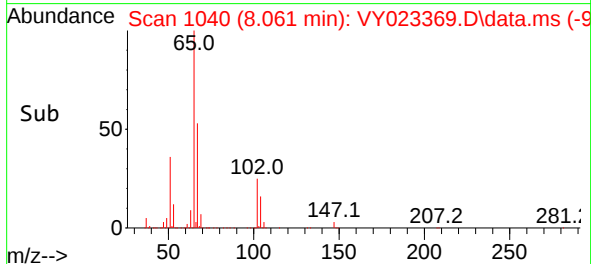
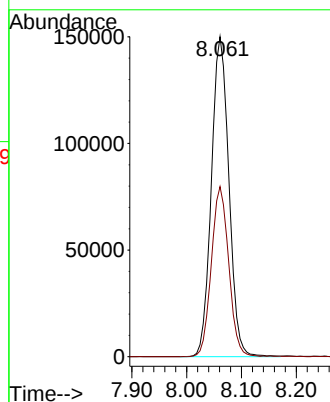
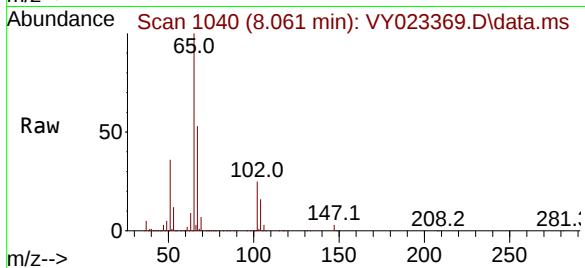
ClientSampleId :

Tgt Ion: 65 Resp: 332529

Ion Ratio Lower Upper

65 100

67 52.7 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: VY023369.D

Acq: 25 Sep 2025 13:22

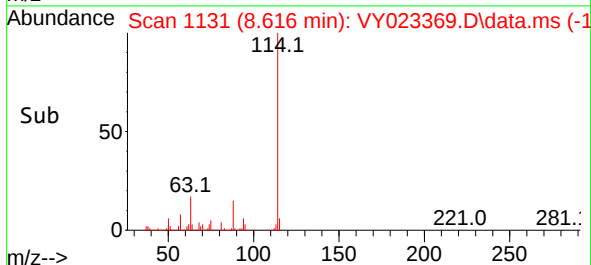
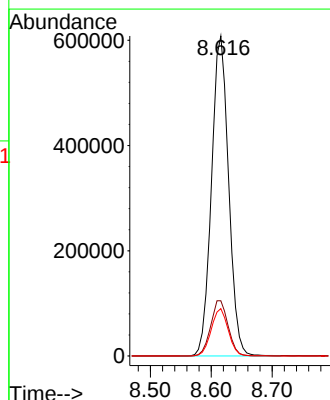
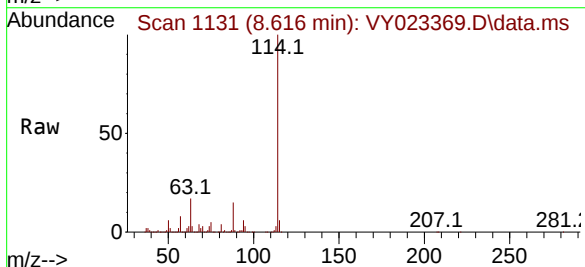
Tgt Ion:114 Resp: 1186786

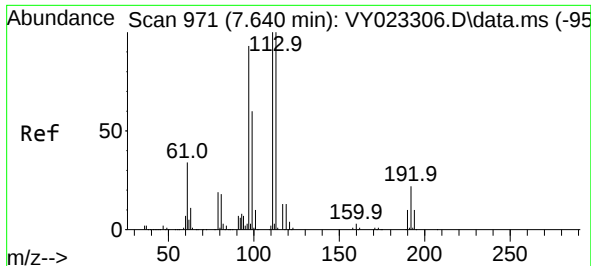
Ion Ratio Lower Upper

114 100

63 17.3 0.0 38.4

88 14.8 0.0 30.0

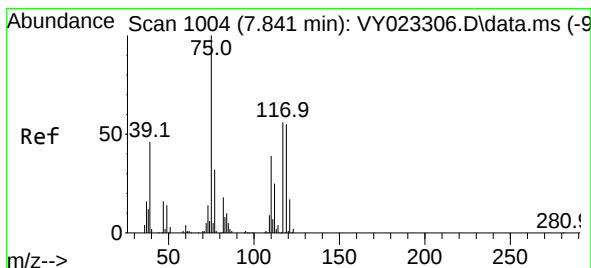
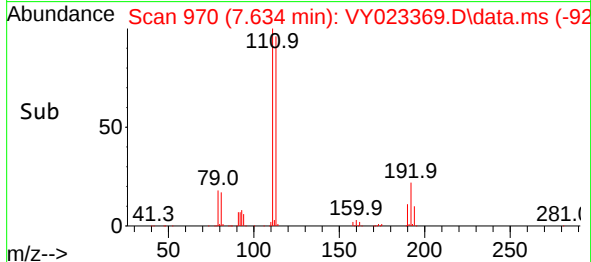
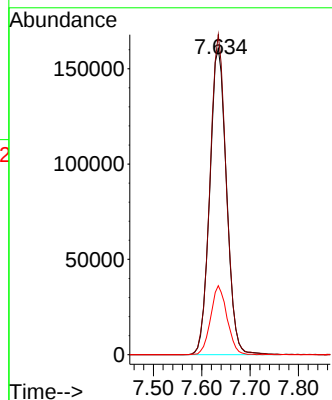
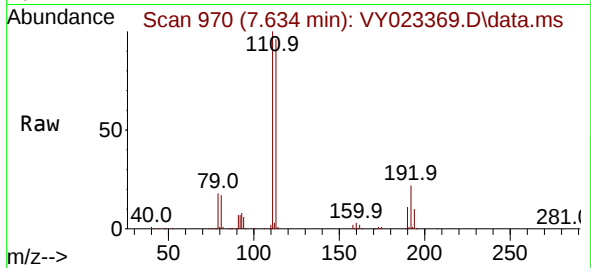




#35
Dibromofluoromethane
Concen: 53.395 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023369.D
Acq: 25 Sep 2025 13:22

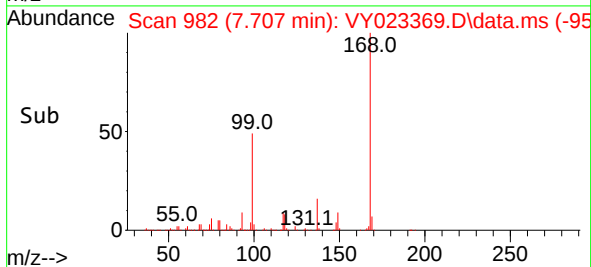
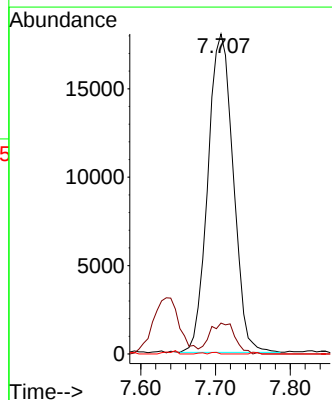
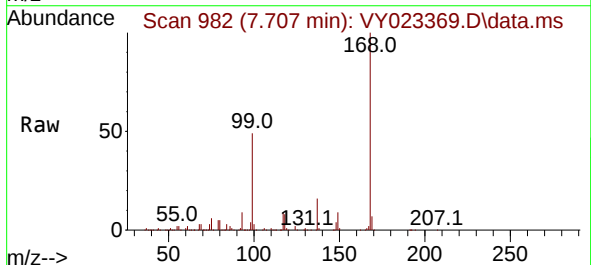
Instrument :
MSVOA_Y
ClientSampleId :

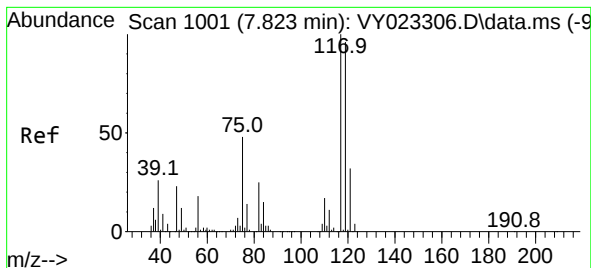
Tgt Ion:113 Resp: 387346
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 22.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.109 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023369.D
Acq: 25 Sep 2025 13:22

Tgt Ion: 75 Resp: 42455
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.061 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

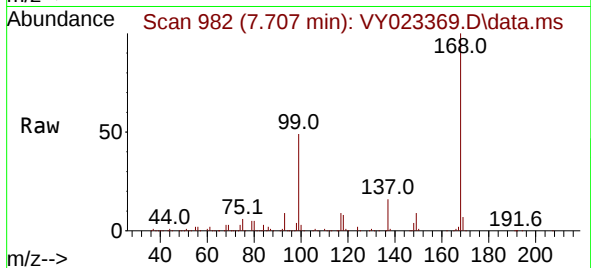
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Acq: 25 Sep 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :



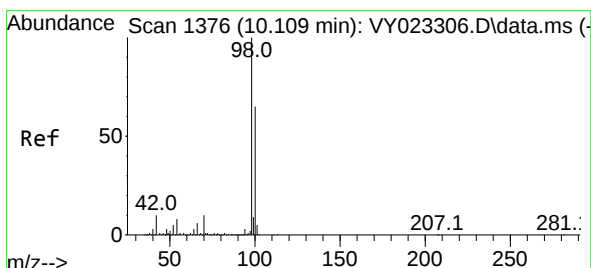
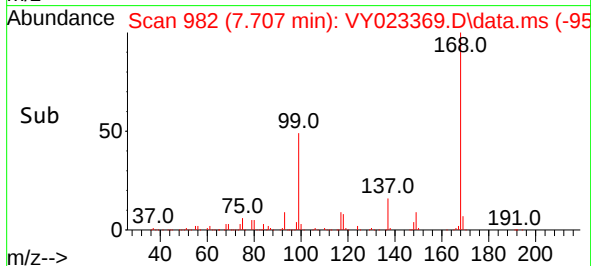
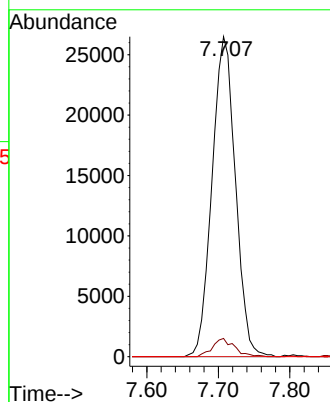
Tgt Ion:117 Resp: 60175

Ion Ratio Lower Upper

117 100

119 5.7 75.6 113.4#

121 0.0 25.8 38.8#



#50

Toluene-d8

Concen: 50.390 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023369.D

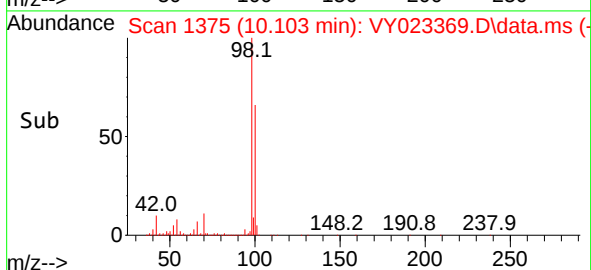
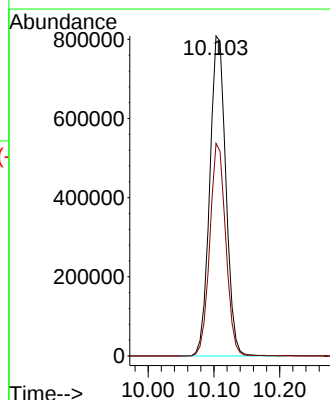
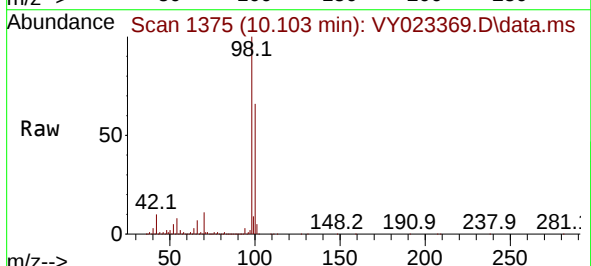
Acq: 25 Sep 2025 13:22

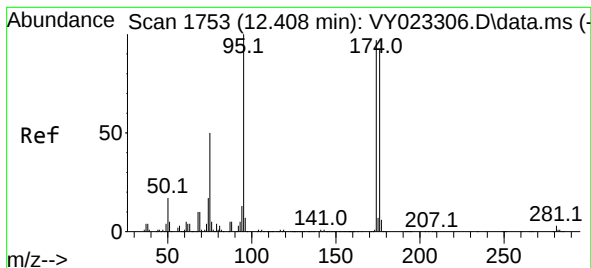
Tgt Ion: 98 Resp: 1380335

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5

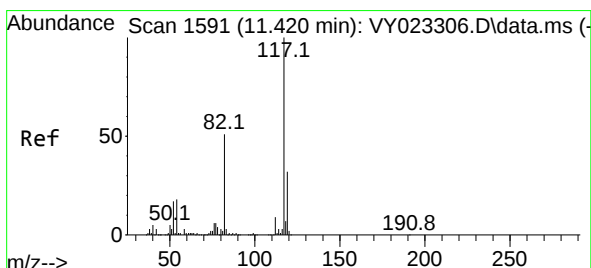
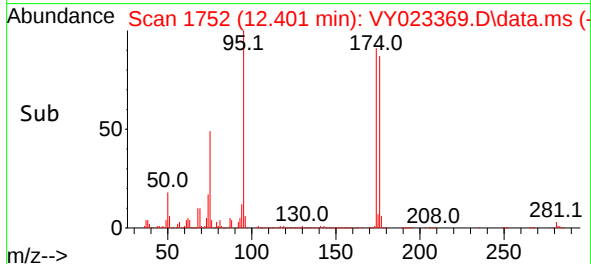
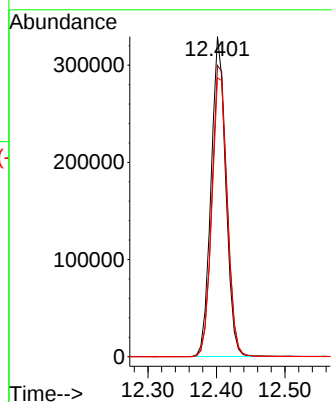
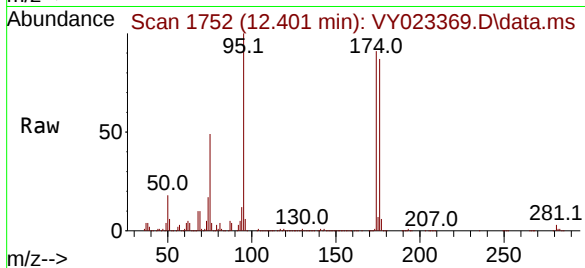




#62
4-Bromofluorobenzene
Concen: 56.989 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023369.D
Acq: 25 Sep 2025 13:22

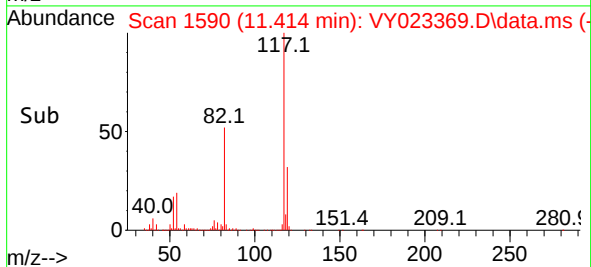
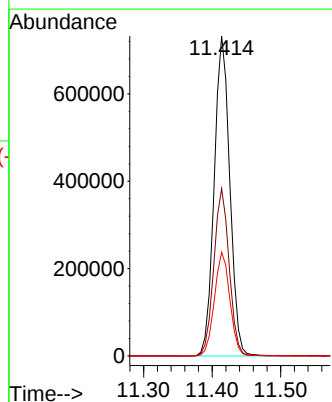
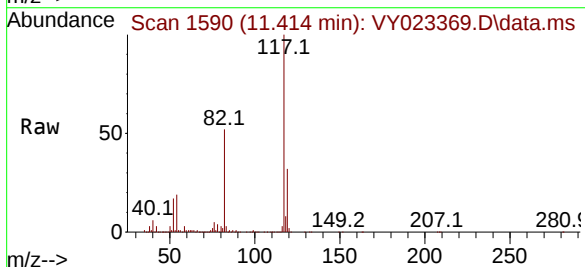
Instrument :
MSVOA_Y
ClientSampleId :

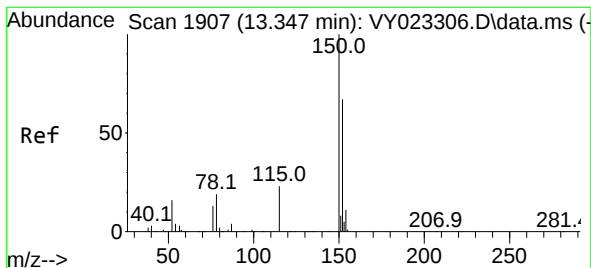
Tgt Ion: 95 Resp: 491271
Ion Ratio Lower Upper
95 100
174 95.0 0.0 171.6
176 91.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023369.D
Acq: 25 Sep 2025 13:22

Tgt Ion: 117 Resp: 1158750
Ion Ratio Lower Upper
117 100
82 52.3 43.4 65.0
119 32.4 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: VY023369.D

Acq: 25 Sep 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

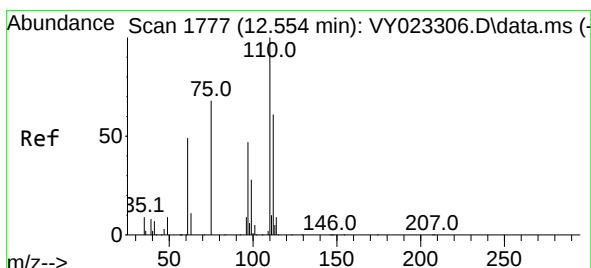
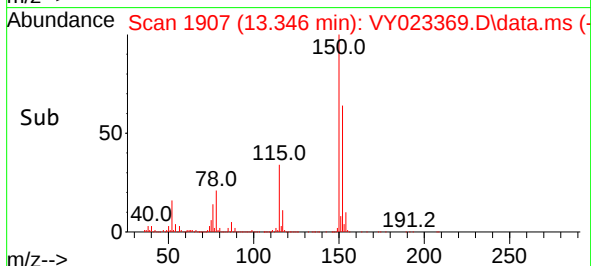
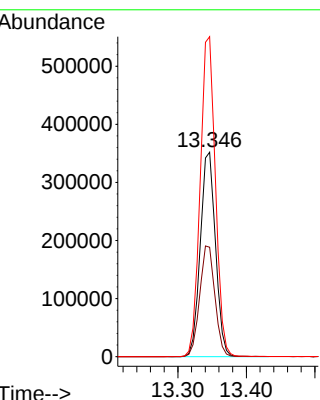
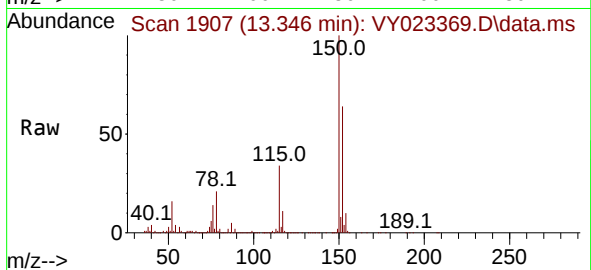
Tgt Ion:152 Resp: 542221

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.6

150 156.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 44.123 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023369.D

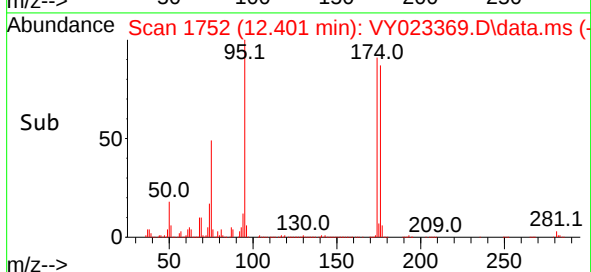
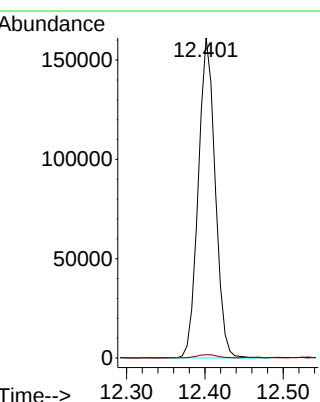
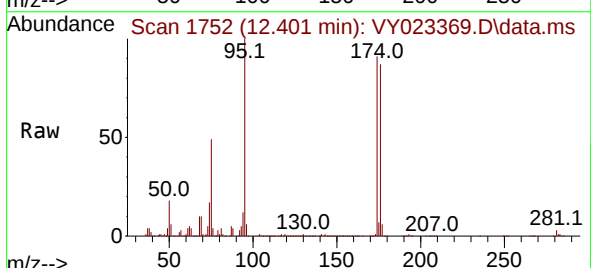
Acq: 25 Sep 2025 13:22

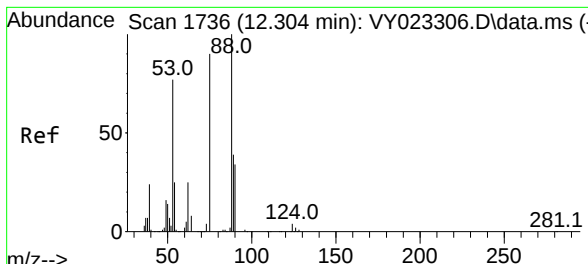
Tgt Ion: 75 Resp: 242278

Ion Ratio Lower Upper

75 100

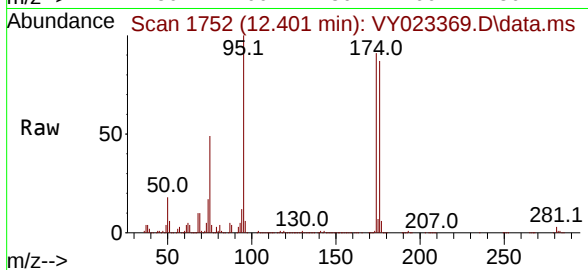
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.327 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023369.D
 Acq: 25 Sep 2025 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 242278
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

