

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022273.D
 Acq On : 15 May 2025 18:43
 Operator : SY/MD
 Sample : Q1982-05
 Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Quant Time: May 16 01:59:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	345998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	610490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	492184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	188552	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	185906	49.163	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.320%
35) Dibromofluoromethane	7.634	113	179801	49.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.680%
50) Toluene-d8	10.103	98	727999	48.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.560%
62) 4-Bromofluorobenzene	12.402	95	197627	41.780	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.560%

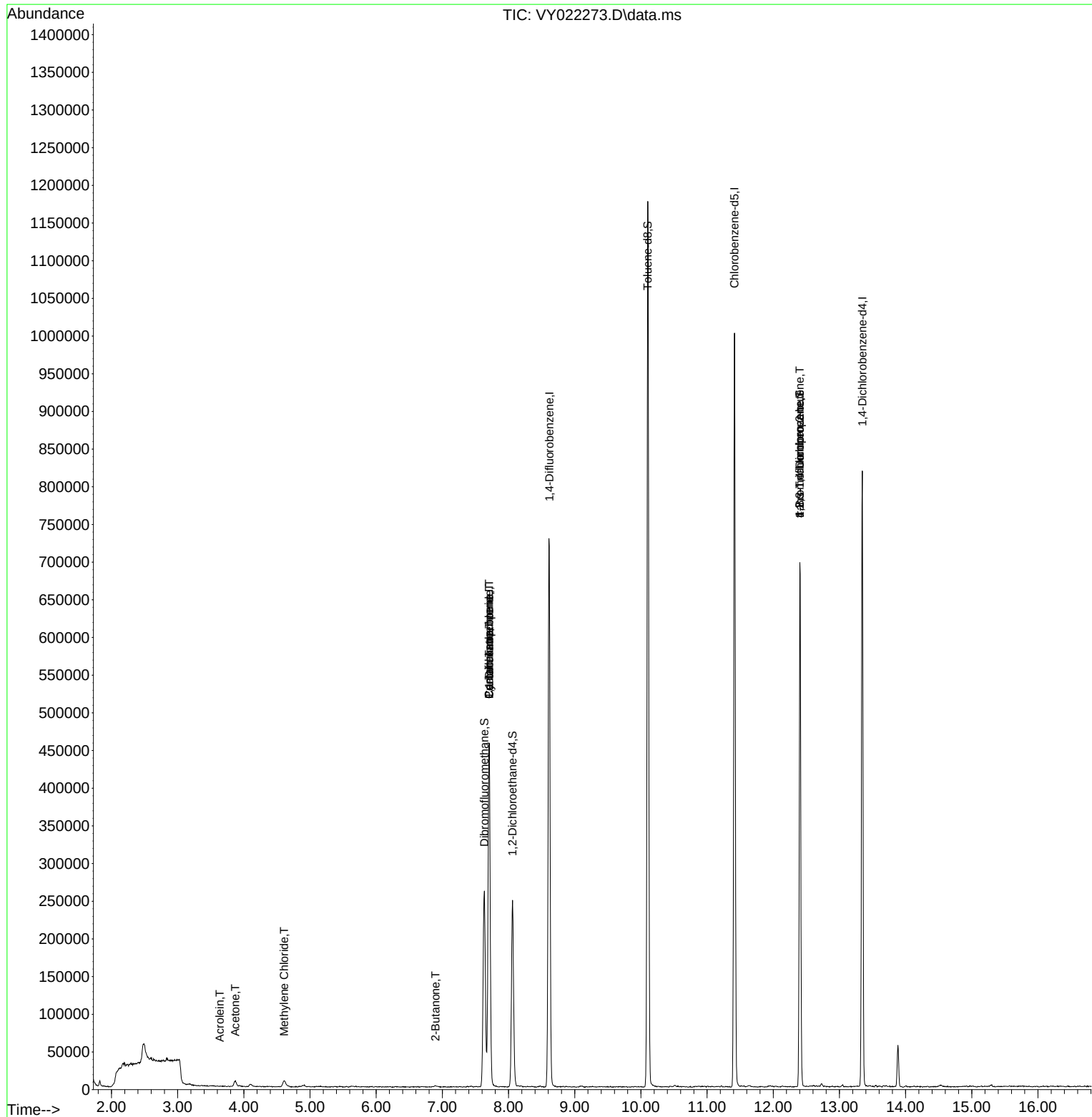
Target Compounds					Qvalue	
13) Acrolein	3.635	56	511	1.210	ug/l #	51
16) Acetone	3.873	43	12337	17.399	ug/l #	87
20) Methylene Chloride	4.610	84	5466	1.193	ug/l #	82
25) 2-Butanone	6.896	43	1523	1.284	ug/l	97
31) Cyclohexane	7.707	56	9242	1.208	ug/l #	35
36) 1,1-Dichloropropene	7.707	75	29045	4.839	ug/l #	51
38) Carbon Tetrachloride	7.707	117	34889	5.616	ug/l #	15
76) 1,2,3-Trichloropropane	12.402	75	113758	59.552	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	113758	120.637	ug/l #	12

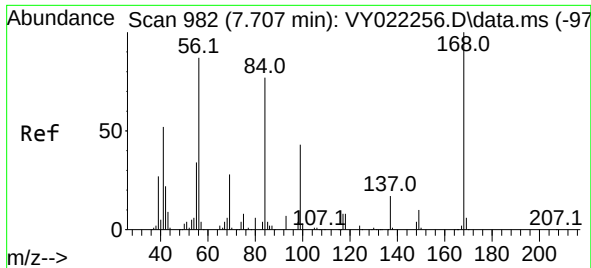
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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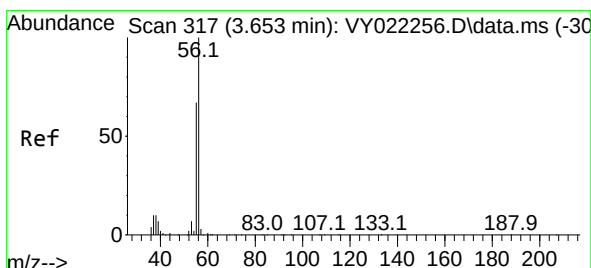
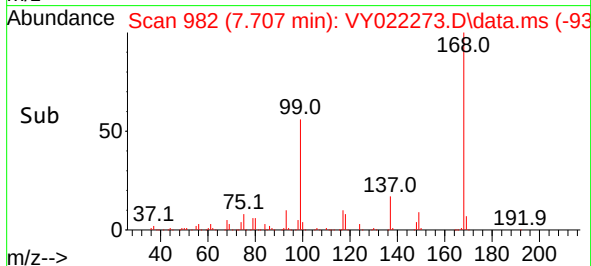
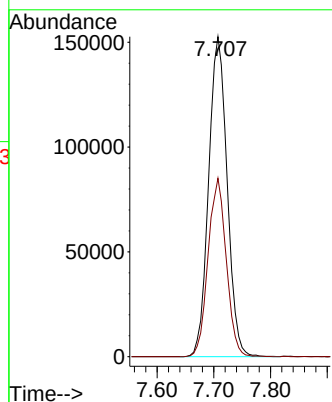
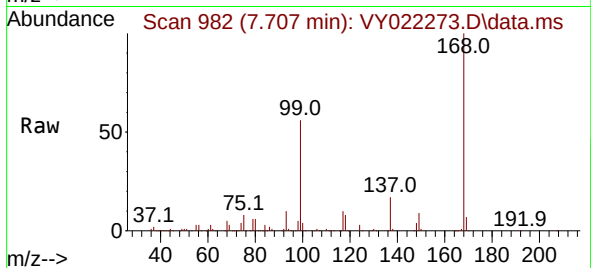




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

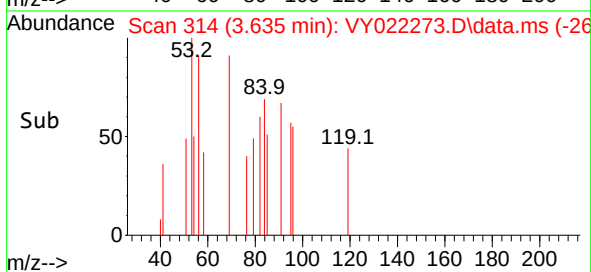
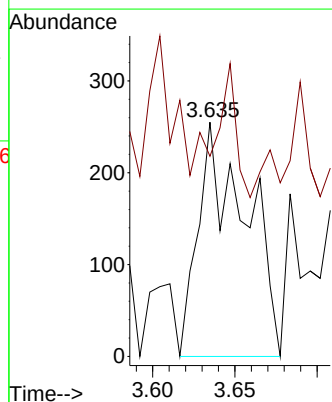
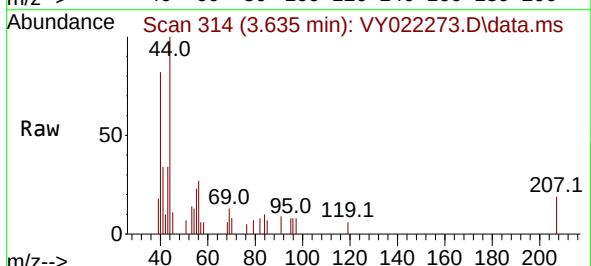
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

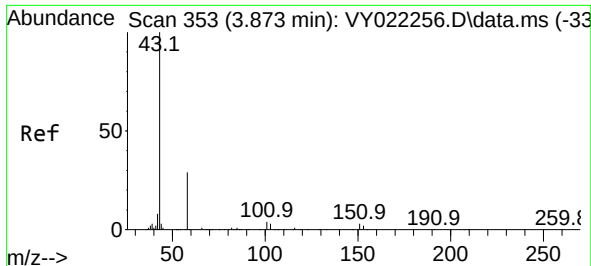
Tgt Ion:168 Resp: 345998
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#13
Acrolein
Concen: 1.210 ug/l
RT: 3.635 min Scan# 314
Delta R.T. -0.018 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 56 Resp: 511
Ion Ratio Lower Upper
56 100
55 29.5 55.6 83.4#





#16

Acetone

Concen: 17.399 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY022273.D

Acq: 15 May 2025 18:43

Instrument :

MSVOA_Y

ClientSampleId :

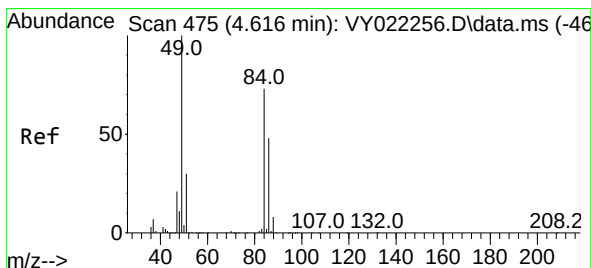
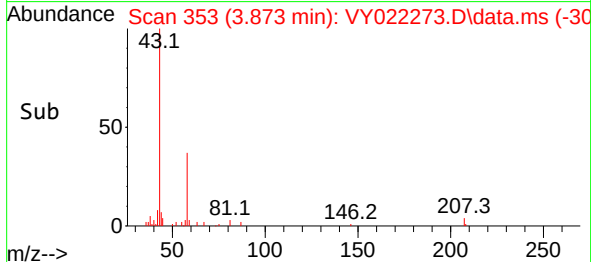
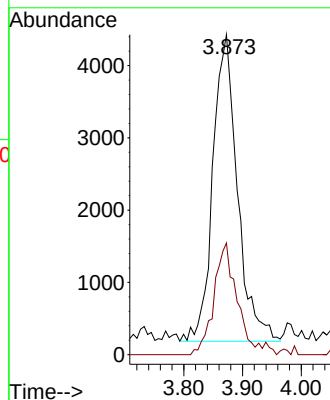
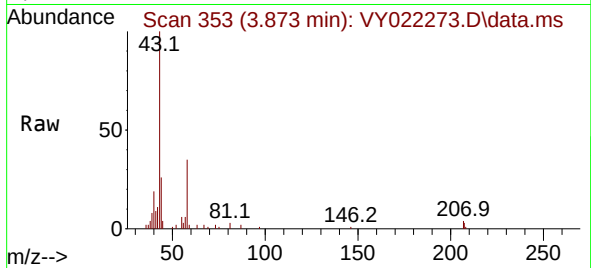
TP-5

Tgt Ion: 43 Resp: 12337

Ion Ratio Lower Upper

43 100

58 36.4 23.6 35.4#



#20

Methylene Chloride

Concen: 1.193 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY022273.D

Acq: 15 May 2025 18:43

Tgt Ion: 84 Resp: 5466

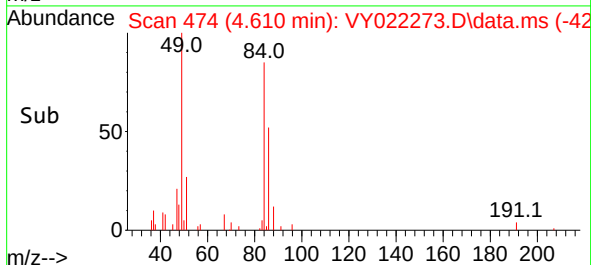
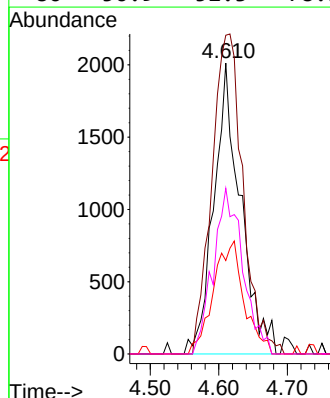
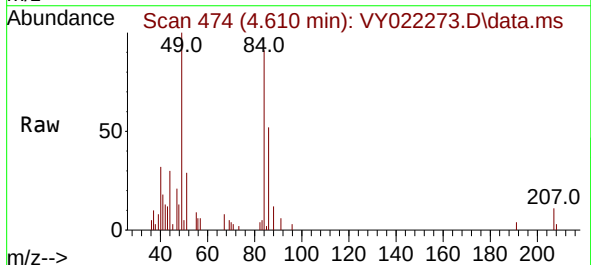
Ion Ratio Lower Upper

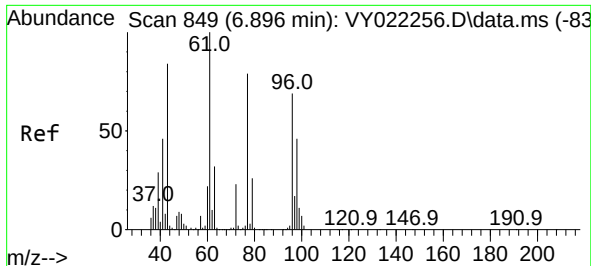
84 100

49 109.5 109.6 164.4#

51 32.1 32.4 48.6#

86 56.9 52.3 78.5

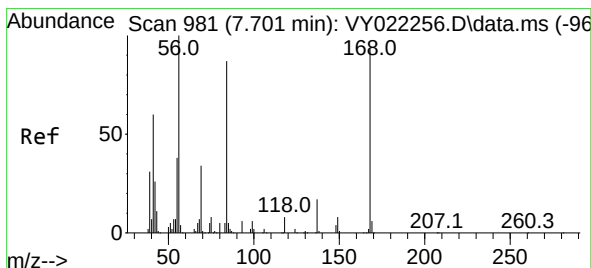
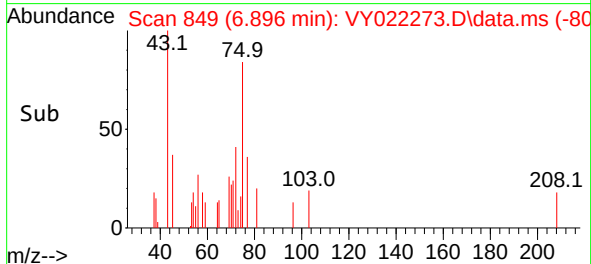
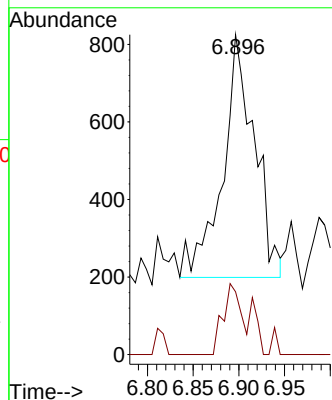
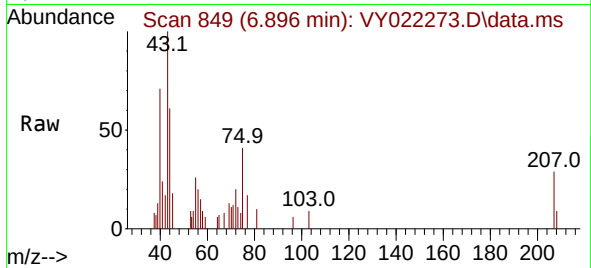




#25
2-Butanone
Concen: 1.284 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

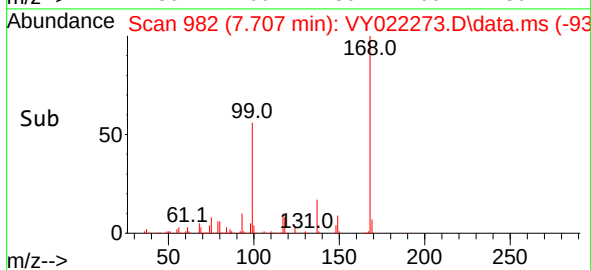
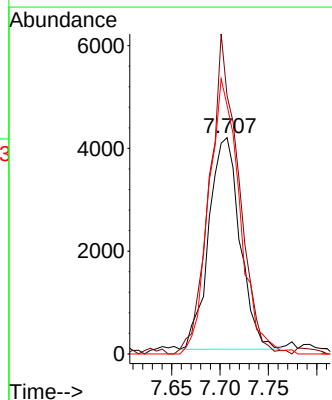
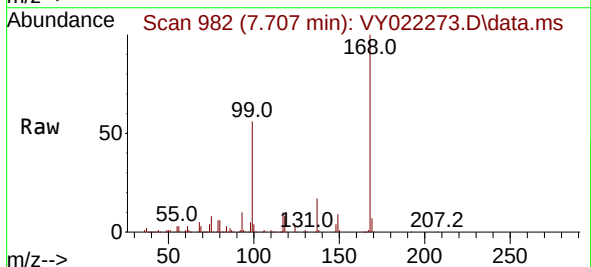
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

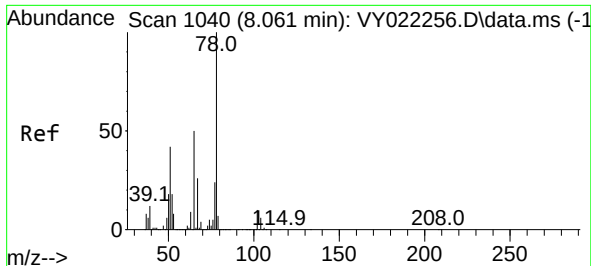
Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
72 25.9 22.1 33.1



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 56 Resp: 9242
Ion Ratio Lower Upper
56 100
69 120.4 27.4 41.2#
84 117.5 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 49.163 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY022273.D

Acq: 15 May 2025 18:43

Instrument :

MSVOA_Y

ClientSampleId :

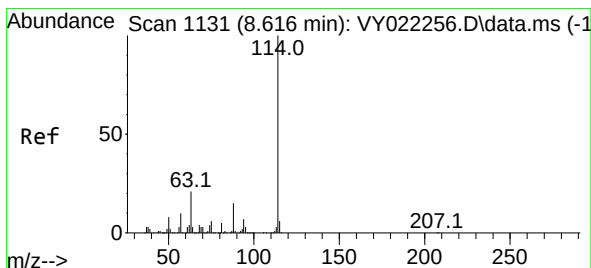
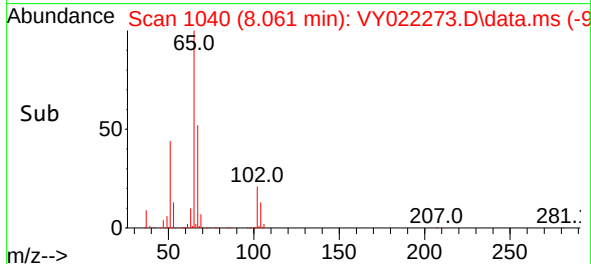
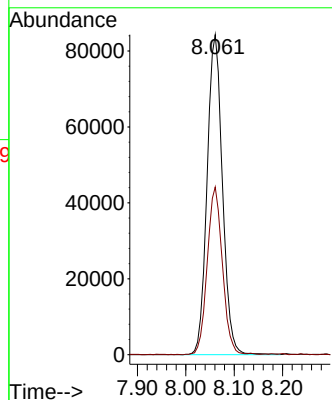
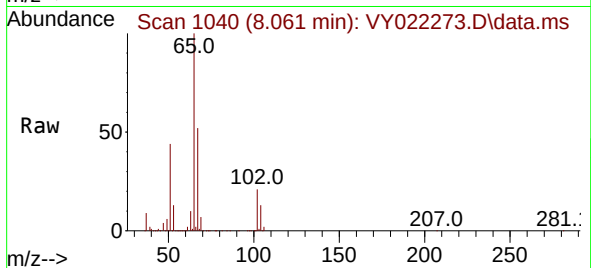
TP-5

Tgt Ion: 65 Resp: 185906

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022273.D

Acq: 15 May 2025 18:43

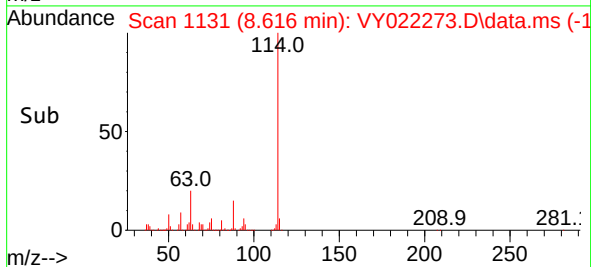
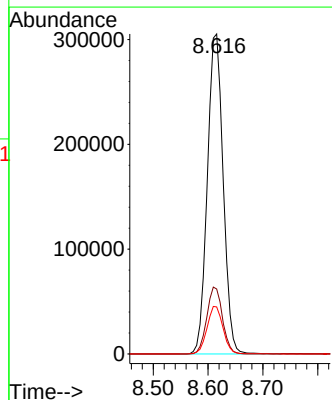
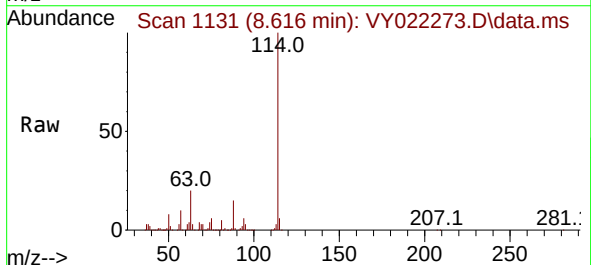
Tgt Ion:114 Resp: 610490

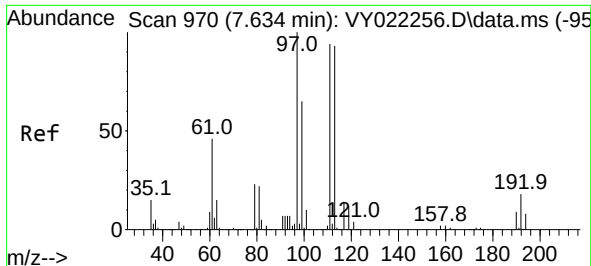
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 14.7 0.0 29.4

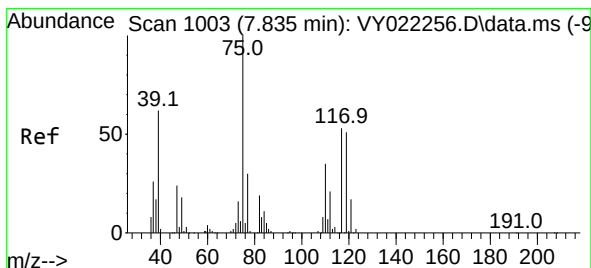
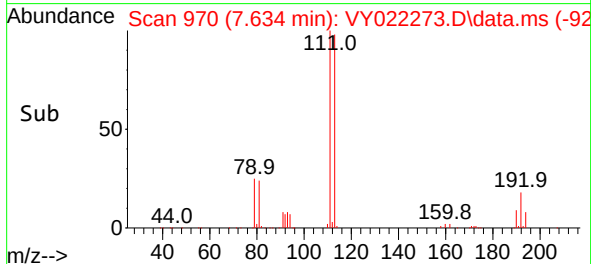
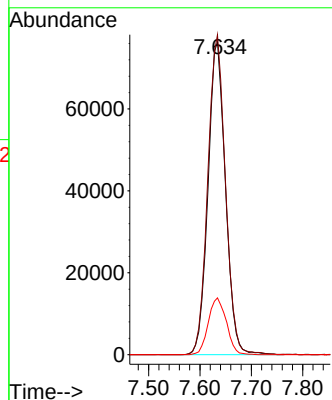
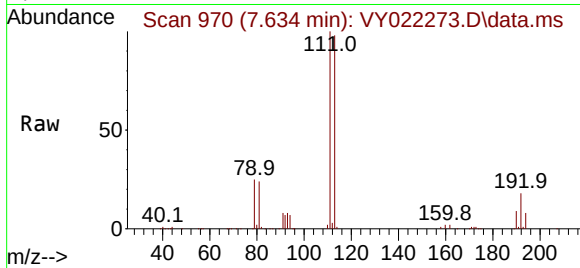




#35
Dibromofluoromethane
Concen: 49.345 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

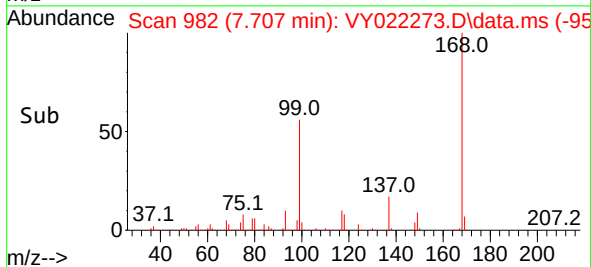
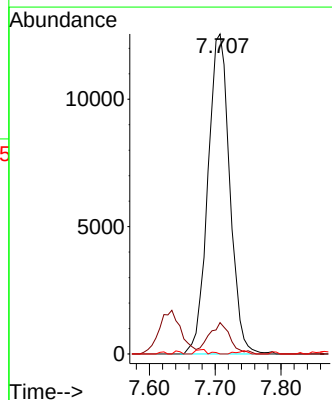
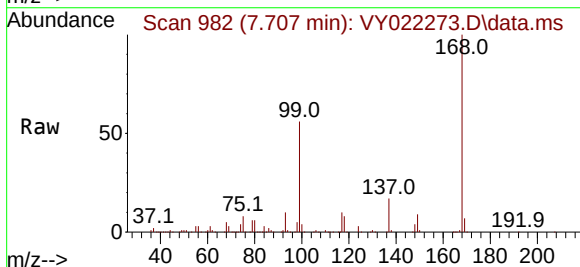
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

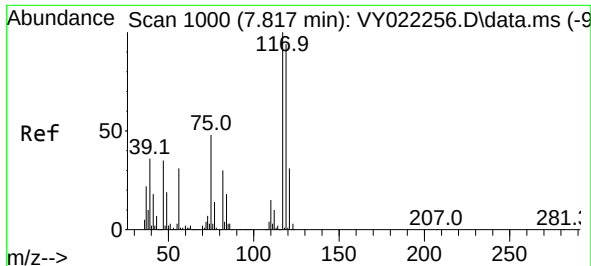
Tgt Ion:113 Resp: 179801
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 18.8 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.839 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 75 Resp: 29045
Ion Ratio Lower Upper
75 100
110 9.5 16.6 49.8#
77 0.0 24.6 37.0#

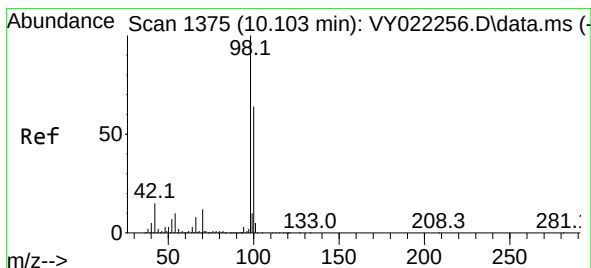
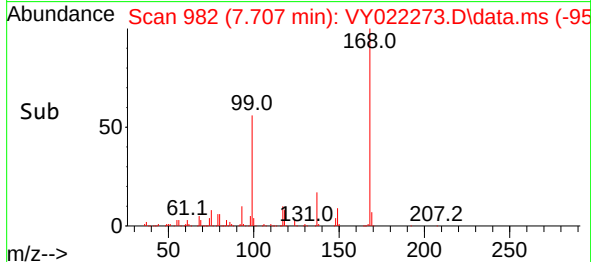
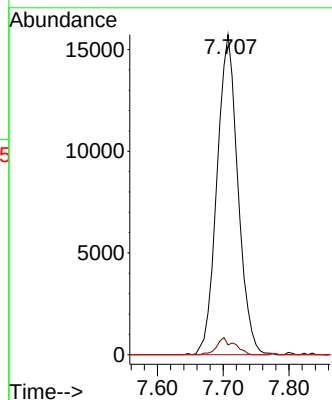
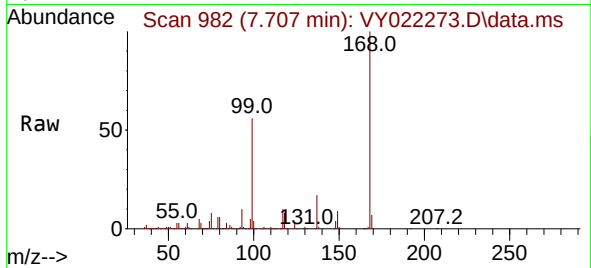




#38
Carbon Tetrachloride
Concen: 5.616 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

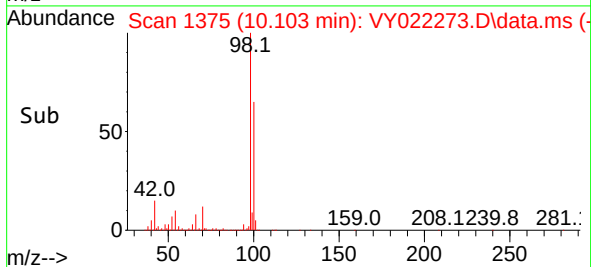
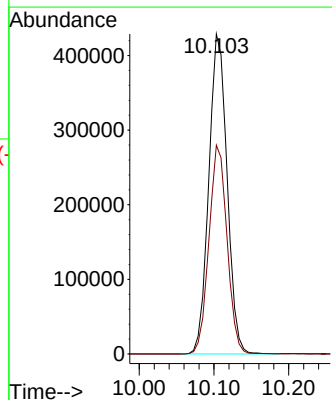
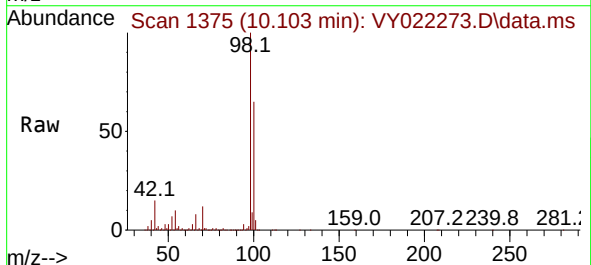
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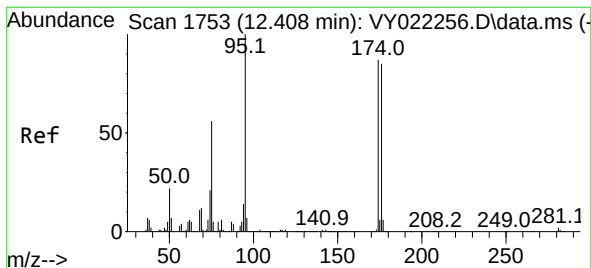
Tgt Ion:117 Resp: 34889
Ion Ratio Lower Upper
117 100
119 3.1 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.783 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 98 Resp: 727999
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

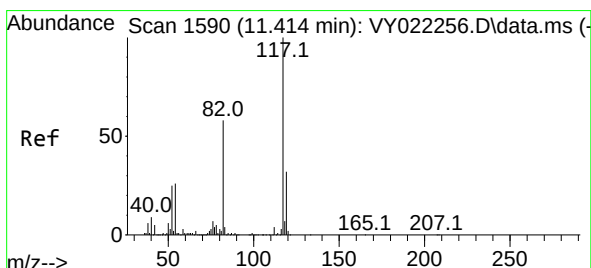
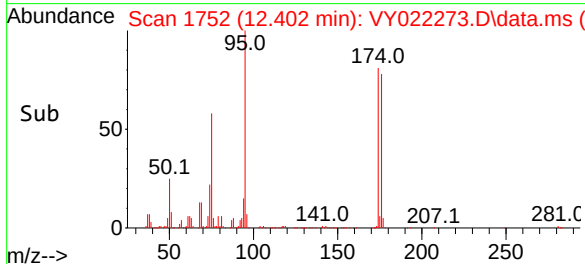
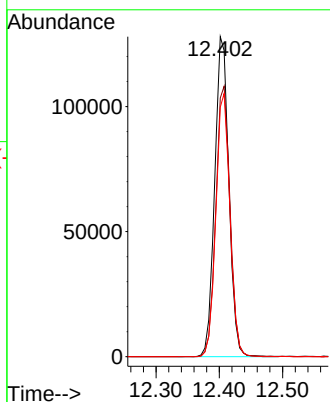
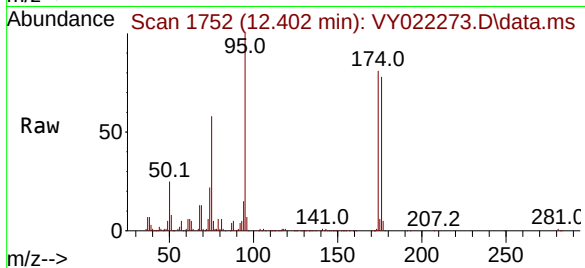




#62
4-Bromofluorobenzene
Concen: 41.780 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

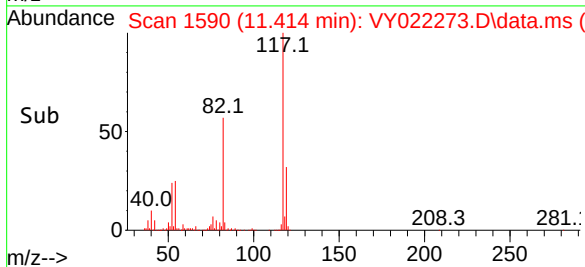
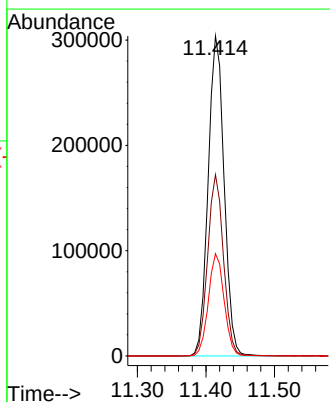
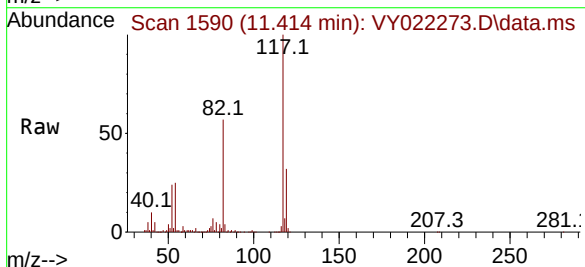
Instrument :
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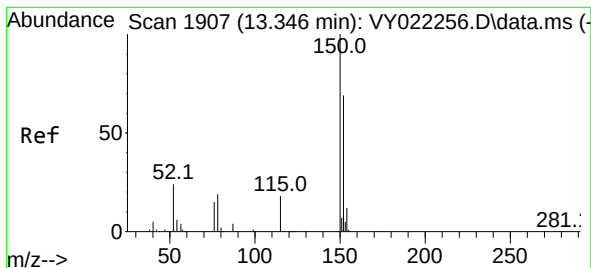
Tgt Ion: 95 Resp: 197627
Ion Ratio Lower Upper
95 100
174 85.1 0.0 166.8
176 82.0 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 117 Resp: 492184
Ion Ratio Lower Upper
117 100
82 56.7 46.6 70.0
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022273.D

Acq: 15 May 2025 18:43

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

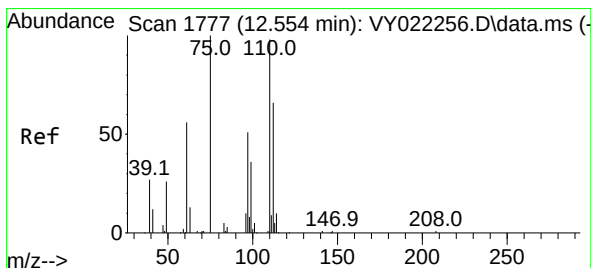
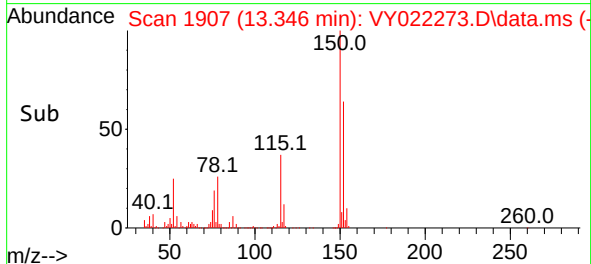
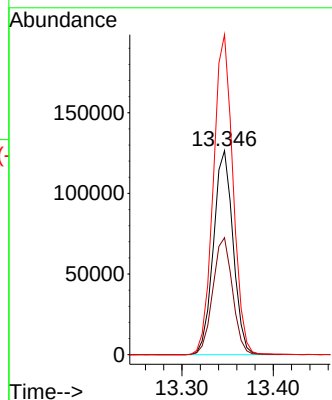
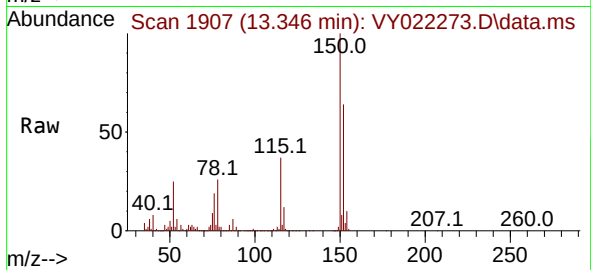
Tgt Ion:152 Resp: 188552

Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 156.8 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 59.552 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022273.D

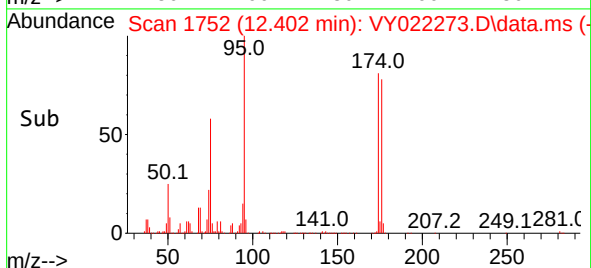
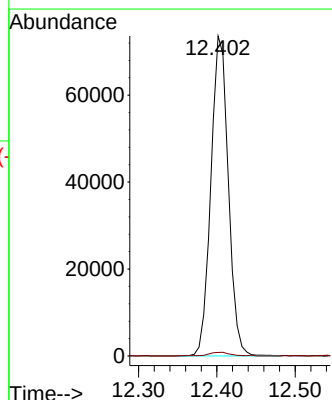
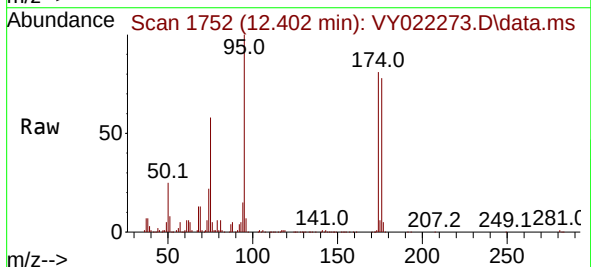
Acq: 15 May 2025 18:43

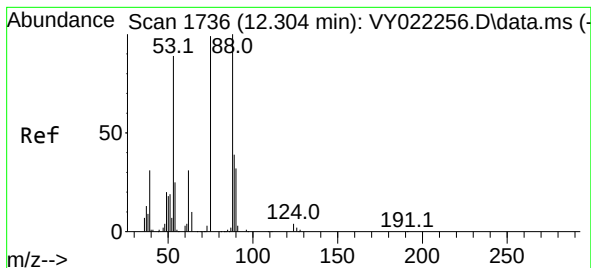
Tgt Ion: 75 Resp: 113758

Ion Ratio Lower Upper

75 100

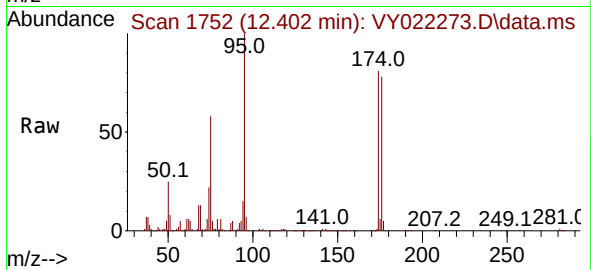
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.637 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022273.D
 Acq: 15 May 2025 18:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5



Tgt Ion: 75 Resp: 113758
 Ion Ratio Lower Upper
 75 100
 53 0.2 75.8 113.8#
 89 0.0 36.2 54.2#

