

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022270.D
 Acq On : 15 May 2025 17:33
 Operator : SY/MD
 Sample : Q1984-13
 Misc : 3.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-27-050725

Quant Time: May 16 01:58:30 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)

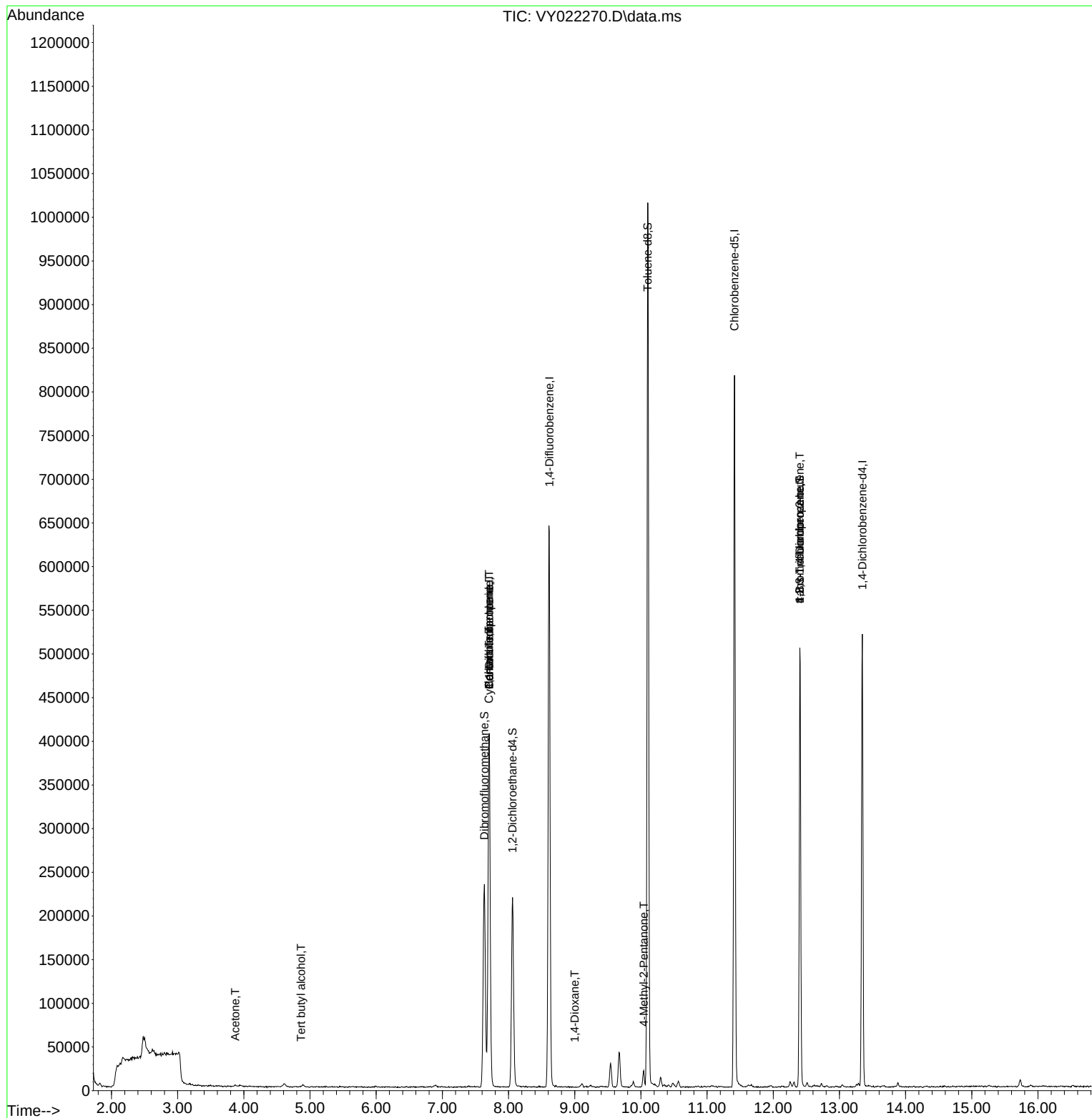
Internal Standards						
1) Pentafluorobenzene	7.707	168	308299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	537661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	394719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	119908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	163578	48.548	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.100%		
35) Dibromofluoromethane	7.634	113	158681	49.448	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.103	98	630288	47.956	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.920%		
62) 4-Bromofluorobenzene	12.402	95	144152	34.603	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	69.200%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	1333	5.181	ug/l #	100
16) Acetone	3.873	43	2457	3.889	ug/l #	86
31) Cyclohexane	7.701	56	8365	1.227	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	26440	5.002	ug/l #	51
38) Carbon Tetrachloride	7.707	117	30917	5.651	ug/l #	15
49) 1,4-Dioxane	9.000	88	42	1.825	ug/l #	72
51) 4-Methyl-2-Pentanone	10.042	43	2789	1.025	ug/l	91
76) 1,2,3-Trichloropropane	12.402	75	83288	68.561	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	83288	138.888	ug/l #	12

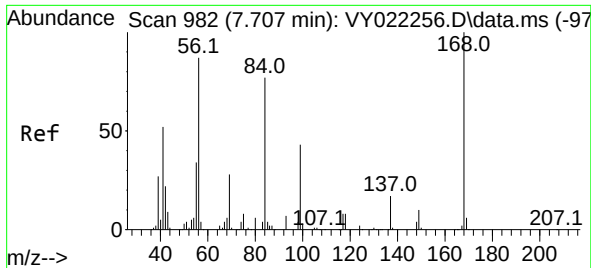
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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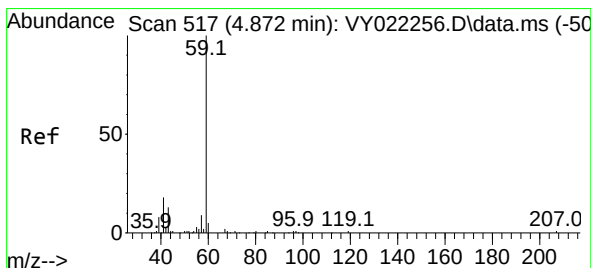
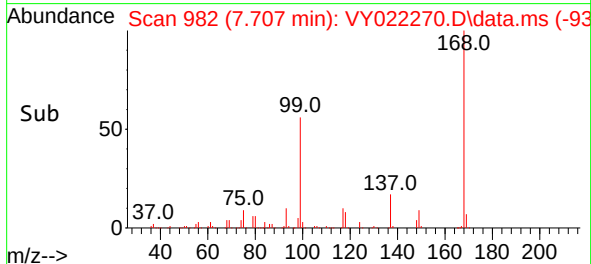
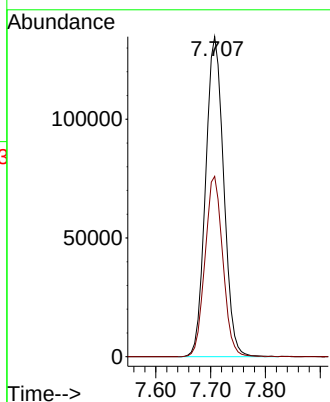
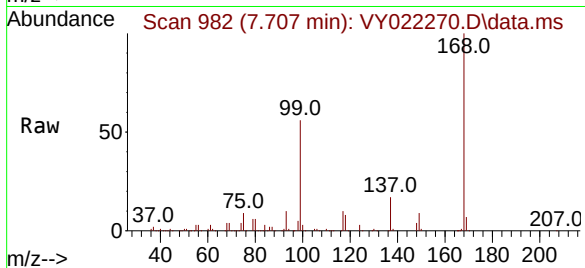




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022270.D
Acq: 15 May 2025 17:33

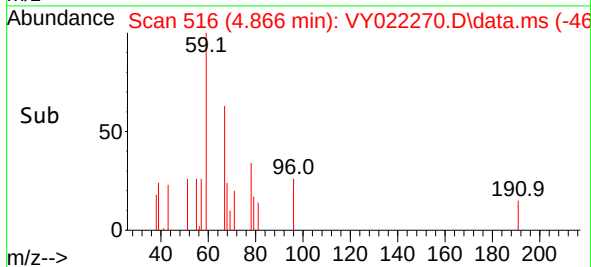
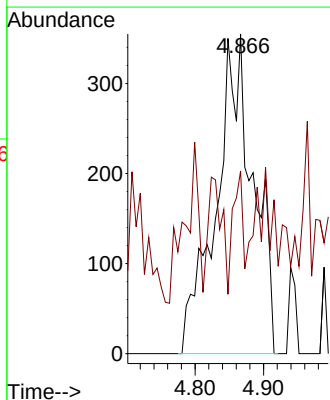
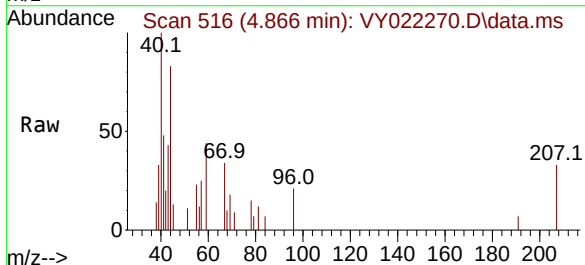
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

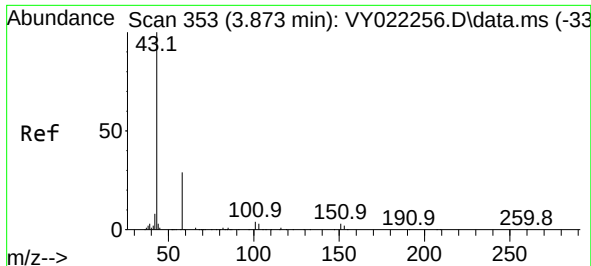
Tgt Ion:168 Resp: 308299
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 5.181 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY022270.D
Acq: 15 May 2025 17:33

Tgt Ion: 59 Resp: 1333
Ion Ratio Lower Upper
59 100
57 10.1 0.0 0.0#





#16

Acetone

Concen: 3.889 ug/l

RT: 3.873 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY022270.D

Acq: 15 May 2025 17:33

Instrument :

MSVOA_Y

ClientSampleId :

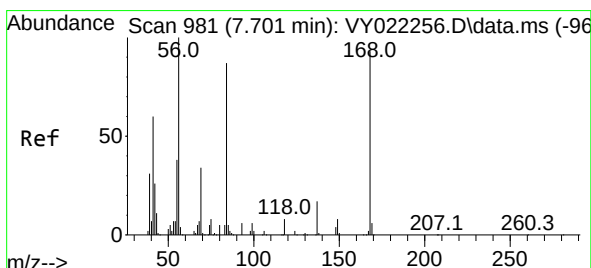
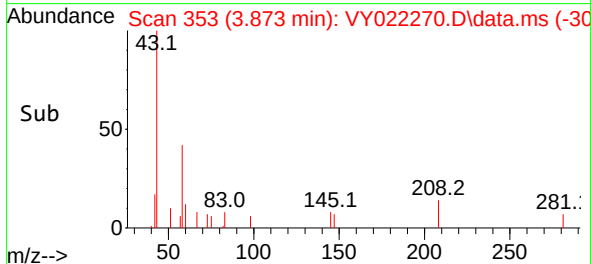
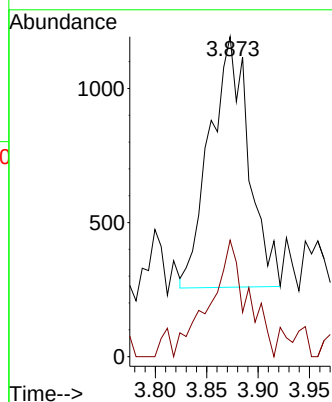
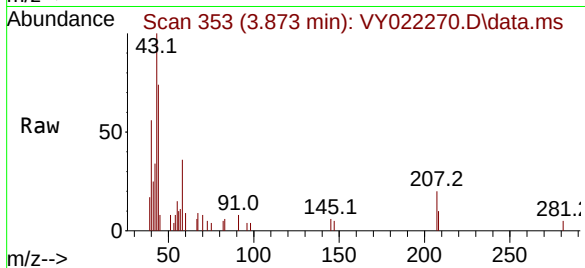
OU4-TS-27-050725

Tgt Ion: 43 Resp: 2457

Ion Ratio Lower Upper

43 100

58 37.1 23.6 35.4#



#31

Cyclohexane

Concen: 1.227 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY022270.D

Acq: 15 May 2025 17:33

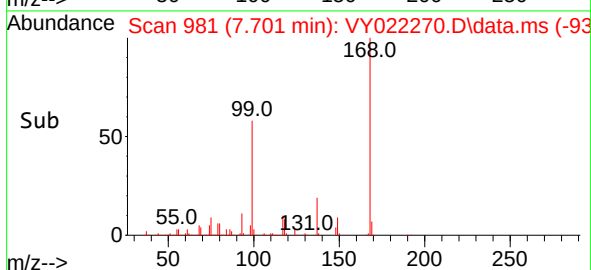
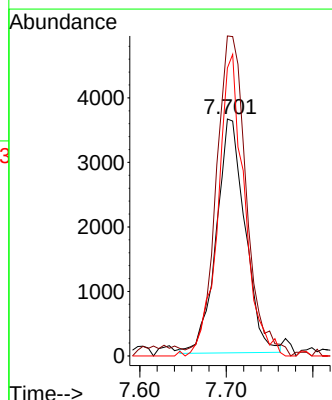
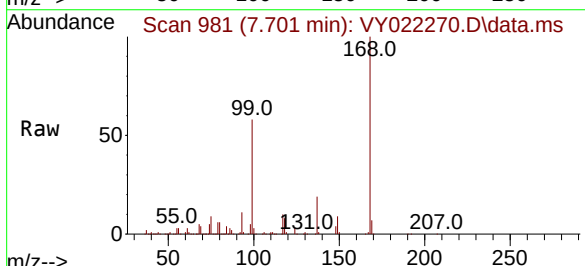
Tgt Ion: 56 Resp: 8365

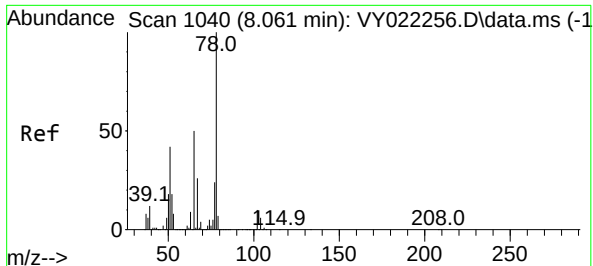
Ion Ratio Lower Upper

56 100

69 135.7 27.4 41.2#

84 123.6 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 48.548 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022270.D

Acq: 15 May 2025 17:33

Instrument :

MSVOA_Y

ClientSampleId :

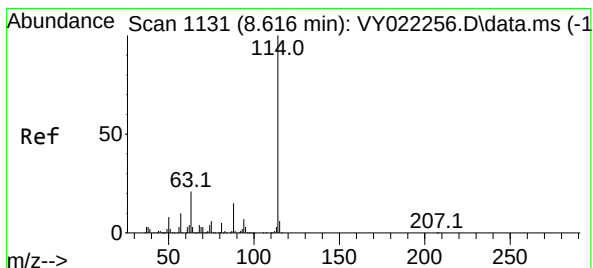
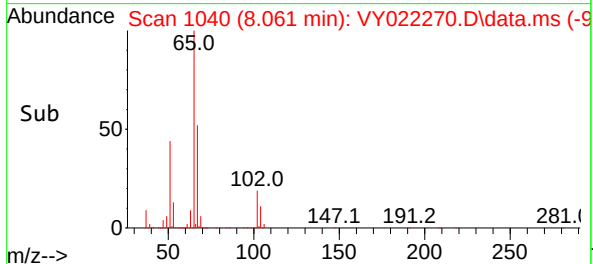
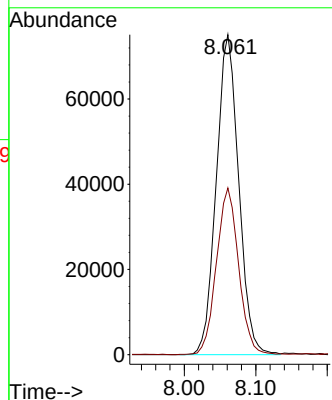
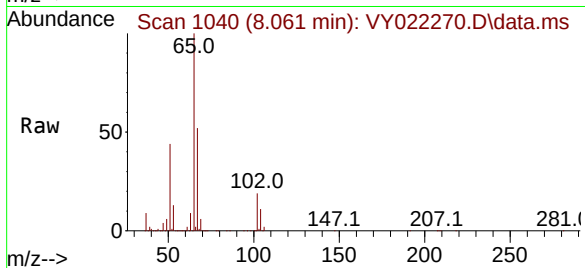
OU4-TS-27-050725

Tgt Ion: 65 Resp: 163578

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: VY022270.D

Acq: 15 May 2025 17:33

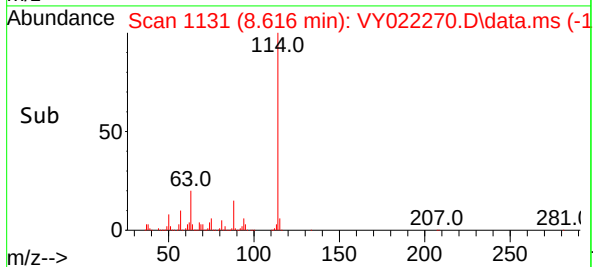
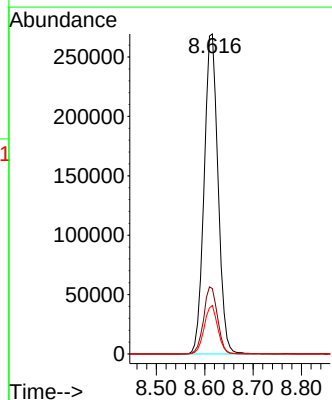
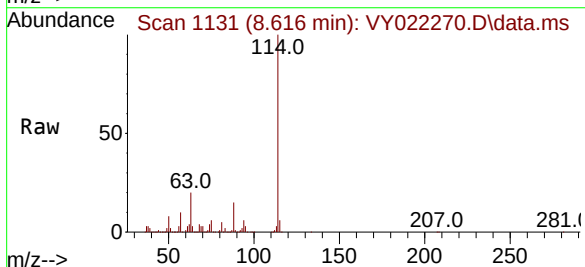
Tgt Ion:114 Resp: 537661

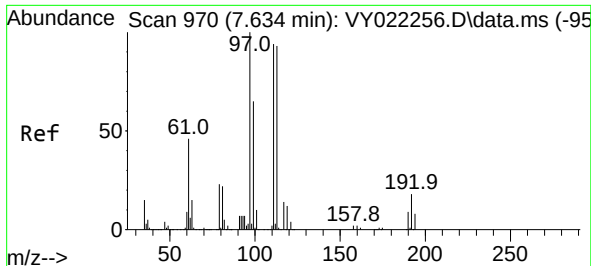
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 15.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.448 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022270.D

Acq: 15 May 2025 17:33

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-27-050725

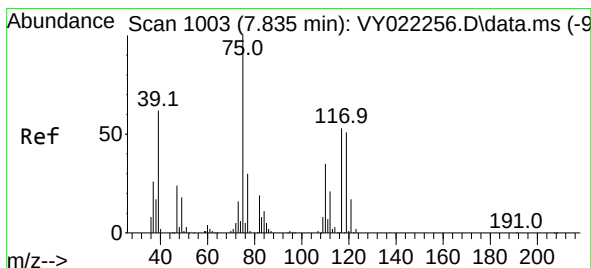
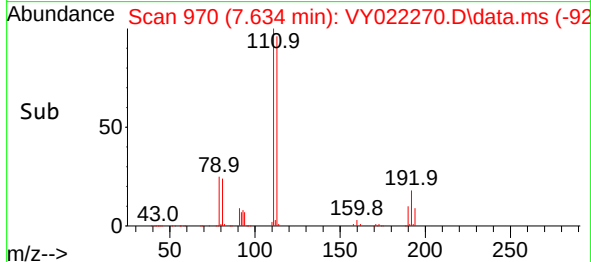
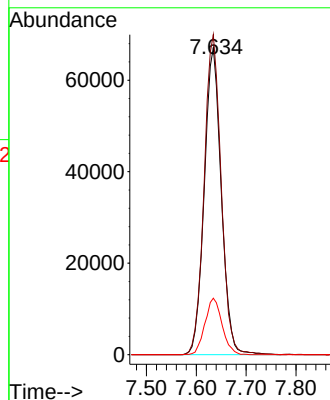
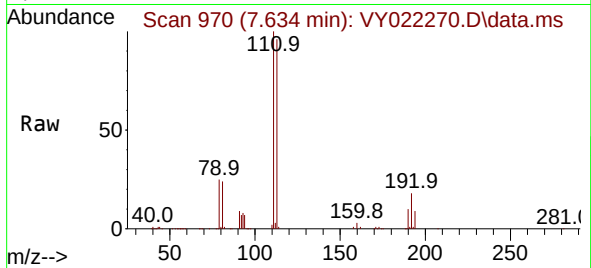
Tgt Ion:113 Resp: 158681

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 18.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.002 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022270.D

Acq: 15 May 2025 17:33

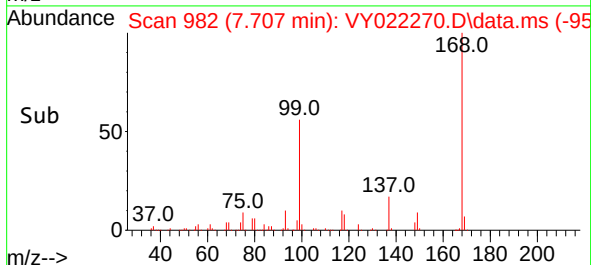
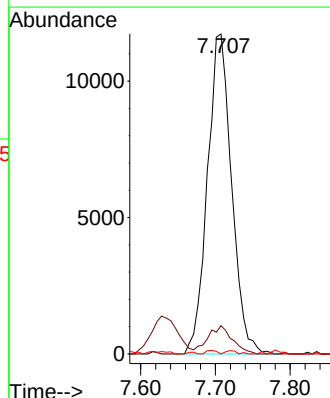
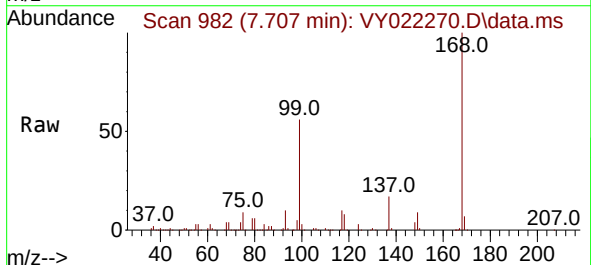
Tgt Ion: 75 Resp: 26440

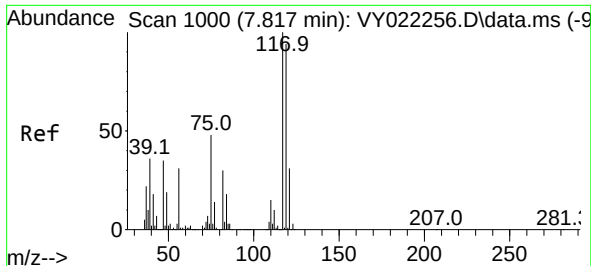
Ion Ratio Lower Upper

75 100

110 8.9 16.6 49.8#

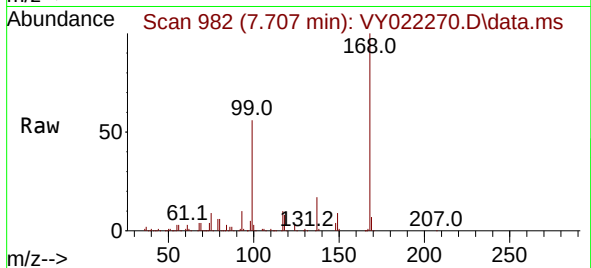
77 0.5 24.6 37.0#



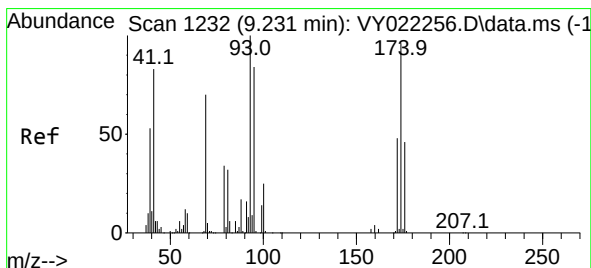
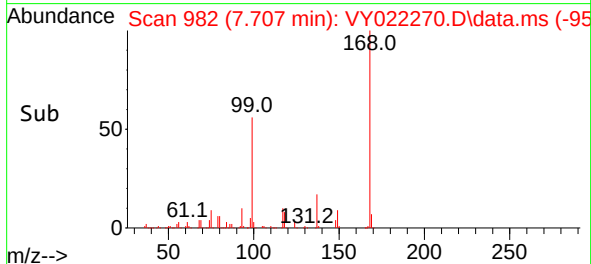
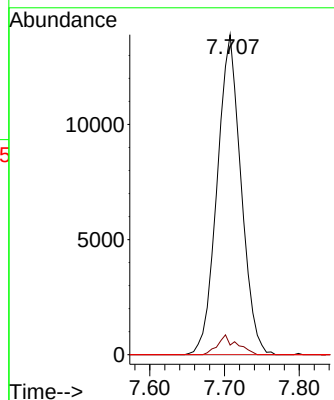


#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022270.D
Acq: 15 May 2025 17:33

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

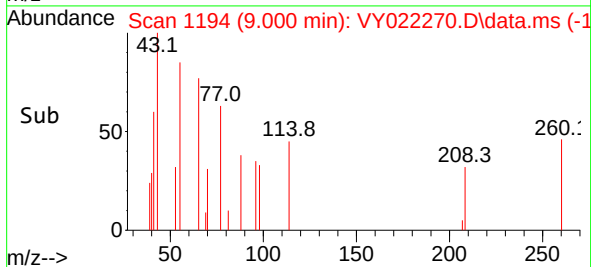
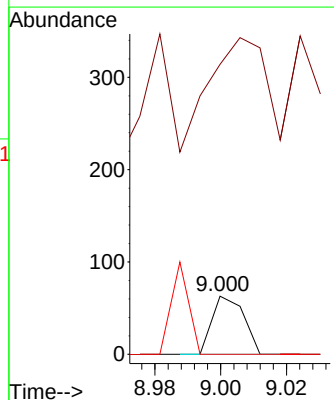
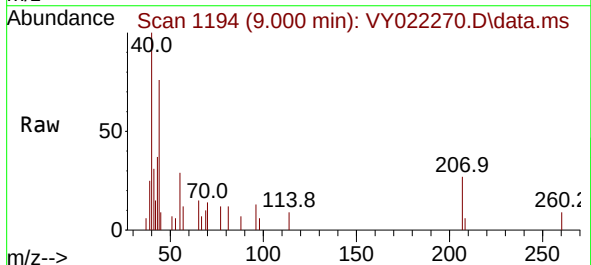


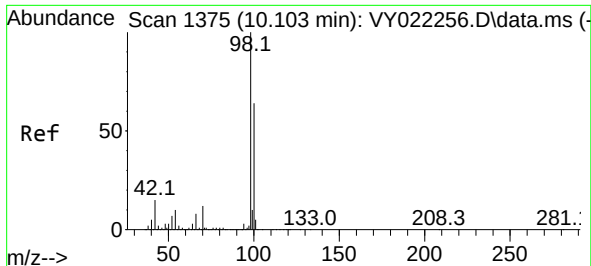
Tgt Ion:117 Resp: 30917
Ion Ratio Lower Upper
117 100
119 3.0 75.3 112.9#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 1.825 ug/l
RT: 9.000 min Scan# 1194
Delta R.T. -0.232 min
Lab File: VY022270.D
Acq: 15 May 2025 17:33

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 28.5 42.7#
58 88.1 61.4 92.2

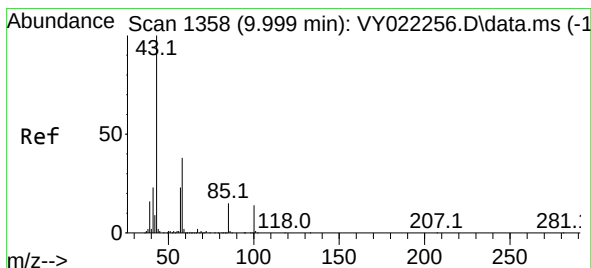
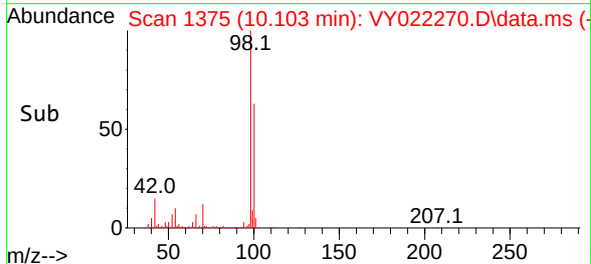
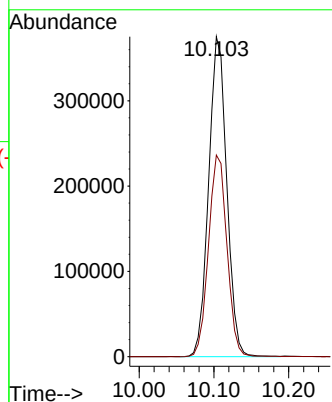
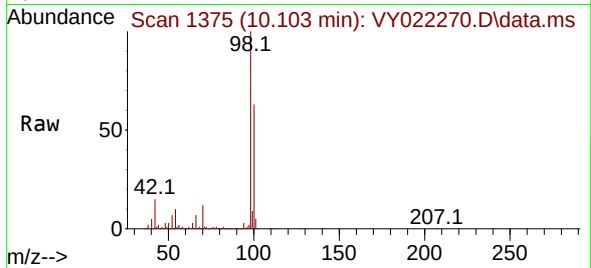




#50
Toluene-d8
Concen: 47.956 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022270.D
Acq: 15 May 2025 17:33

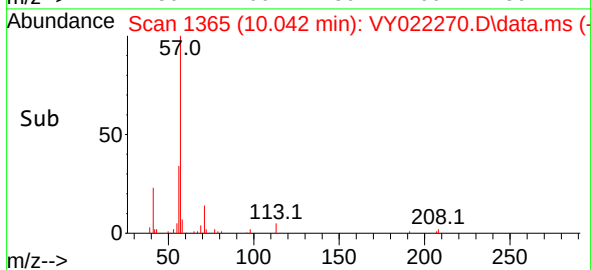
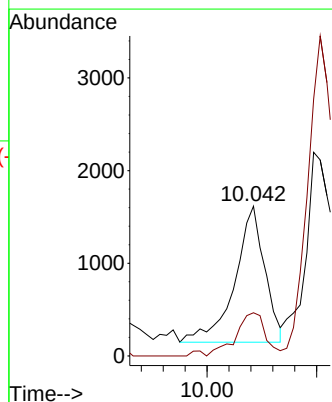
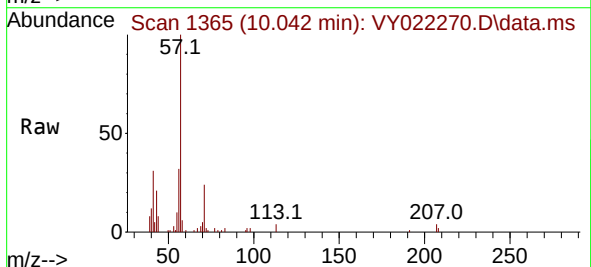
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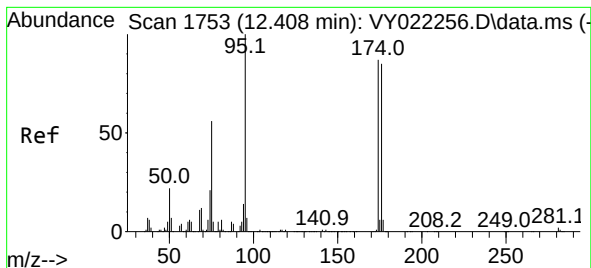
Tgt Ion: 98 Resp: 630288
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.025 ug/l
RT: 10.042 min Scan# 1365
Delta R.T. 0.043 min
Lab File: VY022270.D
Acq: 15 May 2025 17:33

Tgt Ion: 43 Resp: 2789
Ion Ratio Lower Upper
43 100
58 31.2 29.4 44.2

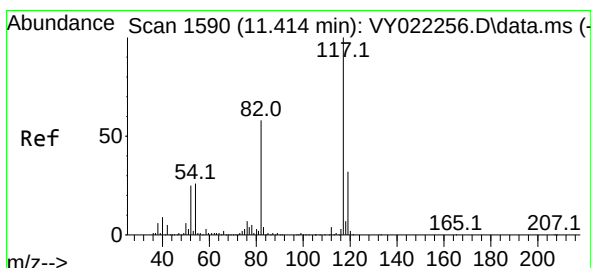
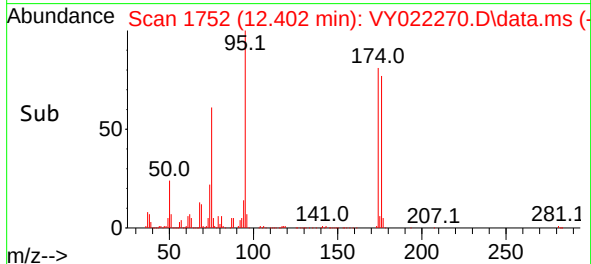
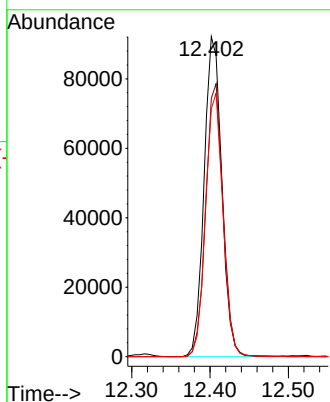
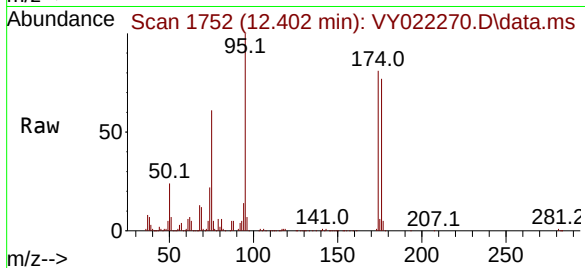




#62
4-Bromofluorobenzene
Concen: 34.603 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022270.D
Acq: 15 May 2025 17:33

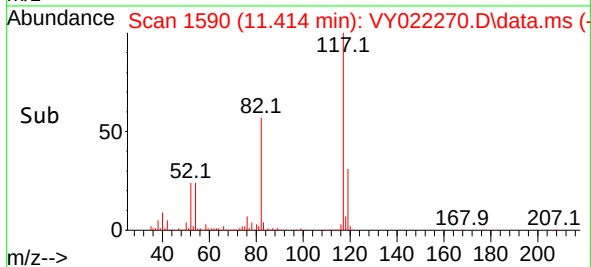
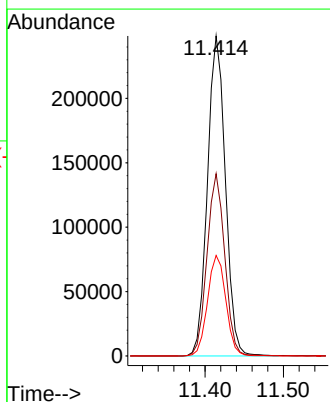
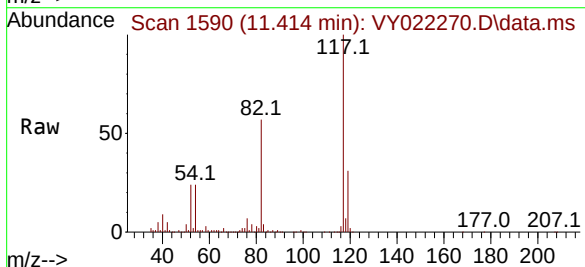
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

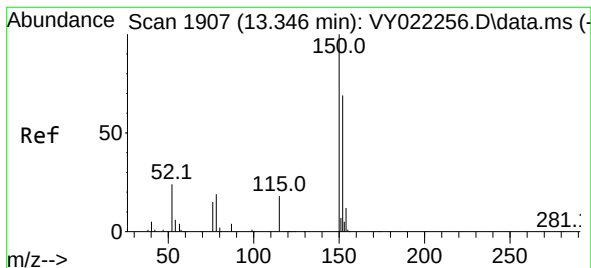
Tgt Ion: 95 Resp: 144152
Ion Ratio Lower Upper
95 100
174 83.8 0.0 166.8
176 81.3 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022270.D
Acq: 15 May 2025 17:33

Tgt Ion: 117 Resp: 394719
Ion Ratio Lower Upper
117 100
82 56.9 46.6 70.0
119 31.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022270.D

Acq: 15 May 2025 17:33

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-27-050725

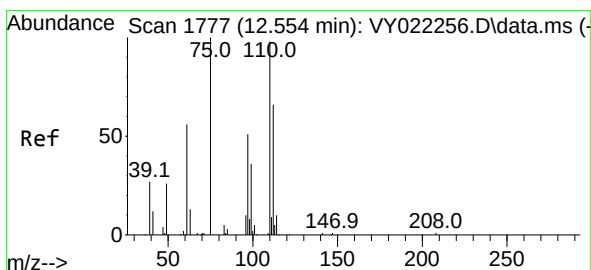
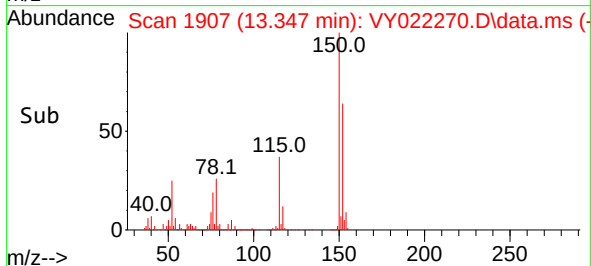
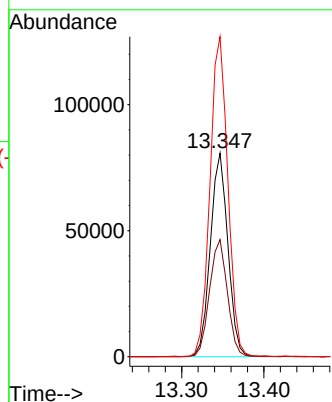
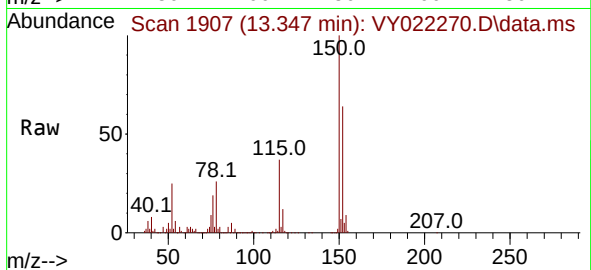
Tgt Ion:152 Resp: 119908

Ion Ratio Lower Upper

152 100

115 58.5 29.4 88.2

150 159.5 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 68.561 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022270.D

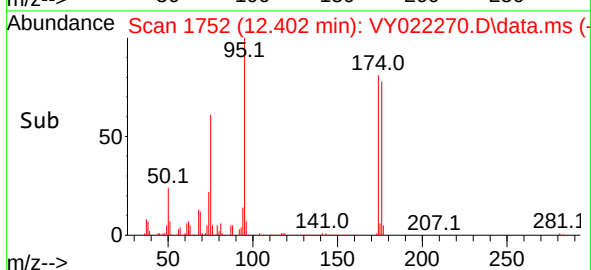
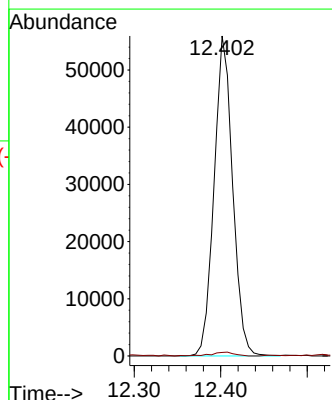
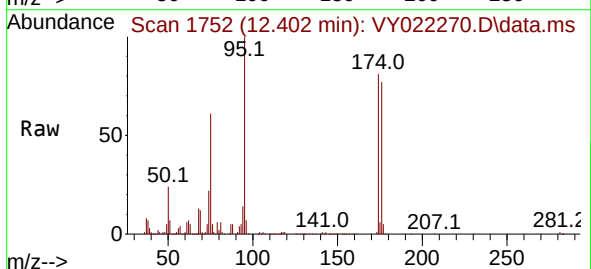
Acq: 15 May 2025 17:33

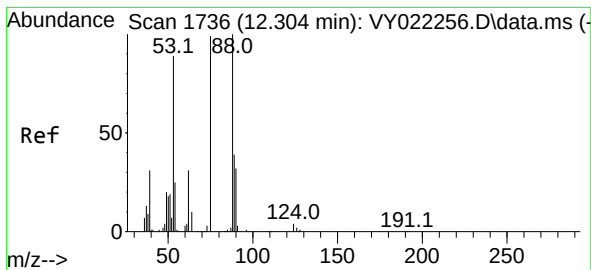
Tgt Ion: 75 Resp: 83288

Ion Ratio Lower Upper

75 100

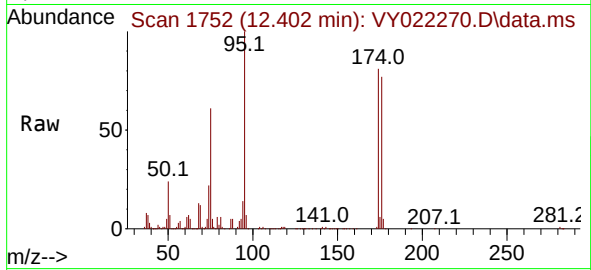
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.888 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022270.D
 Acq: 15 May 2025 17:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-27-050725



Tgt Ion: 75 Resp: 83288
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.0 36.2 54.2#

