

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023465.D
 Acq On : 14 Oct 2025 16:25
 Operator : SY/MD
 Sample : Q3345-03
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2ND-STREET-SOIL

Quant Time: Oct 15 03:30:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

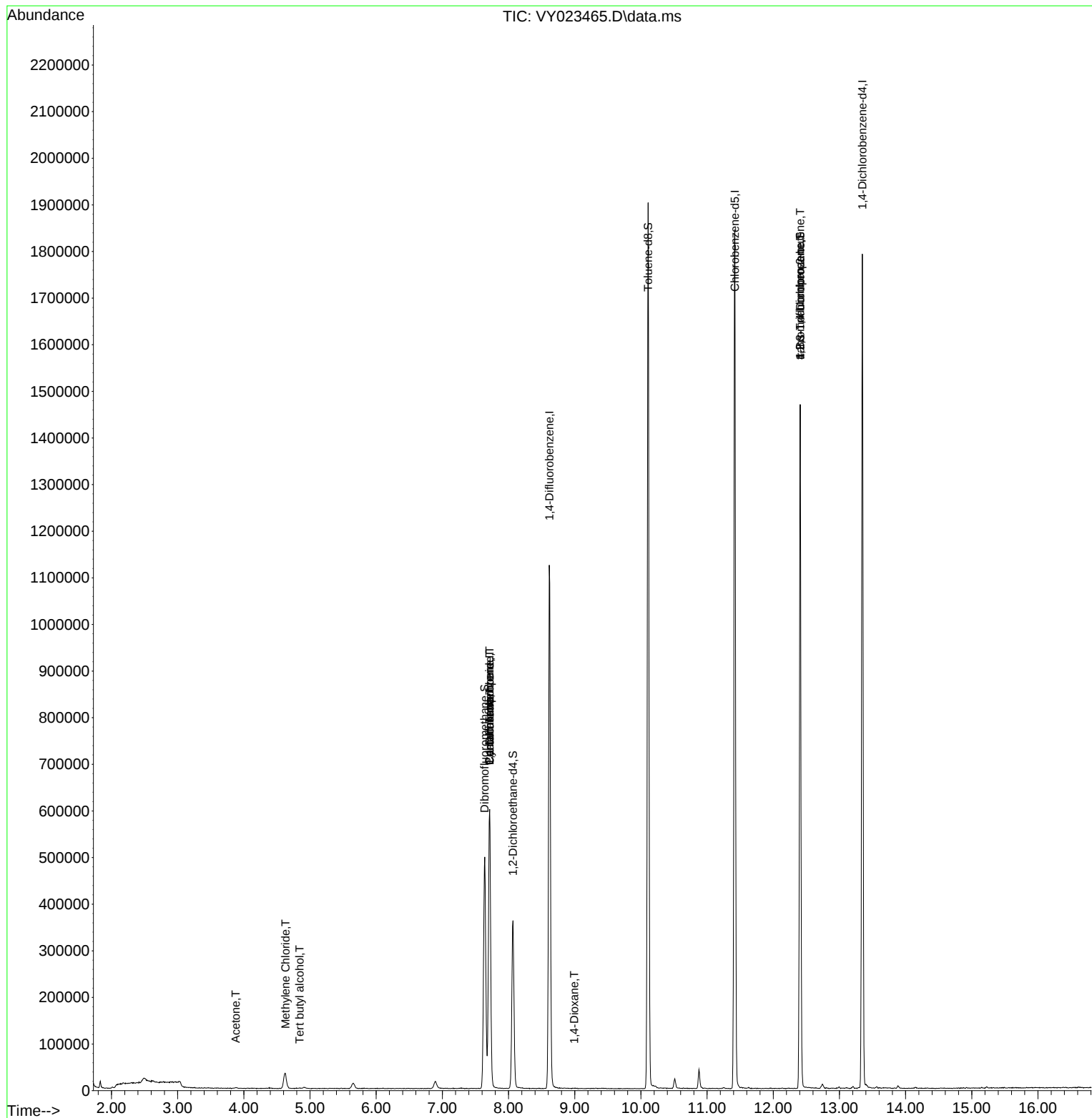
Internal Standards						
1) Pentafluorobenzene	7.713	168	501260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1014094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1063723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	470646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	284209	67.804	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.600%			
35) Dibromofluoromethane	7.640	113	350713	56.284	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.560%			
50) Toluene-d8	10.109	98	1245233	53.662	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.320%			
62) 4-Bromofluorobenzene	12.408	95	423611	55.293	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.580%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.842	59	417	1.337	ug/l #	72
16) Acetone	3.879	43	2741	2.747	ug/l #	86
20) Methylene Chloride	4.629	84	26213	4.858	ug/l	94
31) Cyclohexane	7.713	56	8957	1.285	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	33849	4.103	ug/l #	48
38) Carbon Tetrachloride	7.713	117	46619	4.661	ug/l #	16
49) 1,4-Dioxane	8.994	88	45	1.064	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	209195	50.380	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	209195	123.541	ug/l #	15

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

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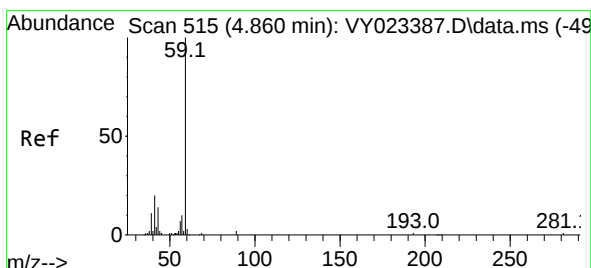
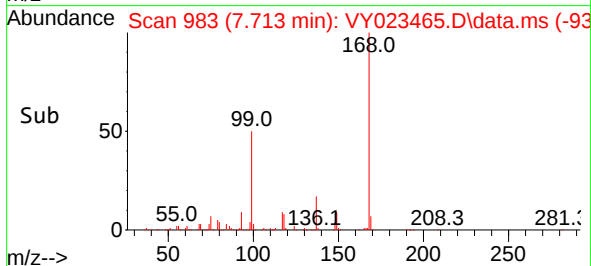
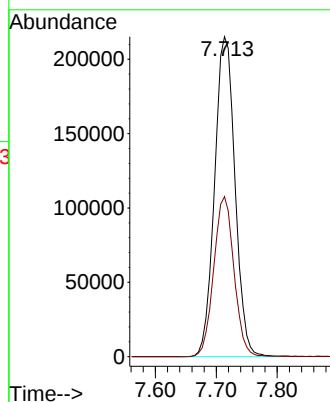
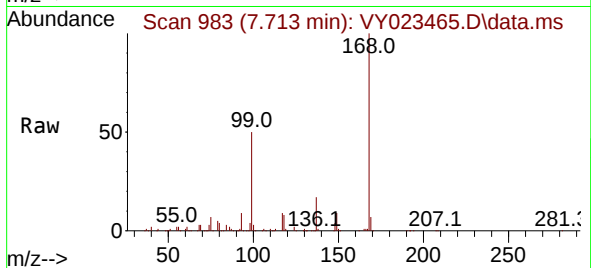




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023465.D
Acq: 14 Oct 2025 16:25

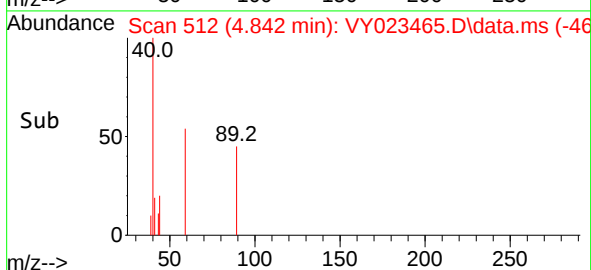
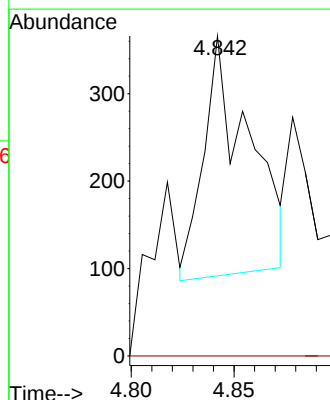
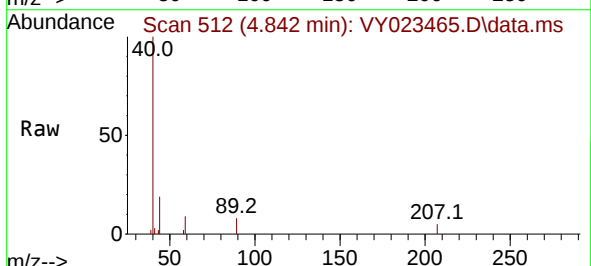
Instrument :
MSVOA_Y
ClientSampleId :
2ND-STREET-SOIL

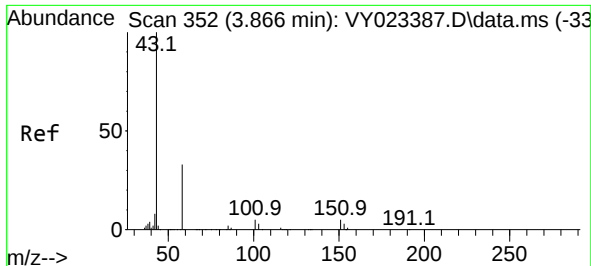
Tgt Ion:168 Resp: 501260
Ion Ratio Lower Upper
168 100
99 50.0 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.337 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023465.D
Acq: 14 Oct 2025 16:25

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 2.747 ug/l

RT: 3.879 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY023465.D

Acq: 14 Oct 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

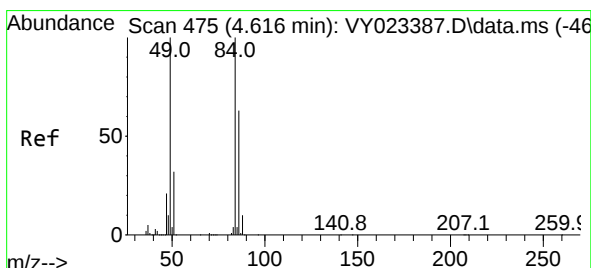
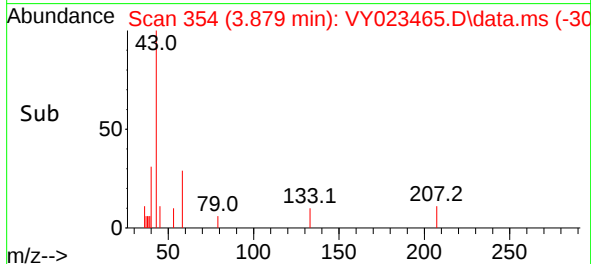
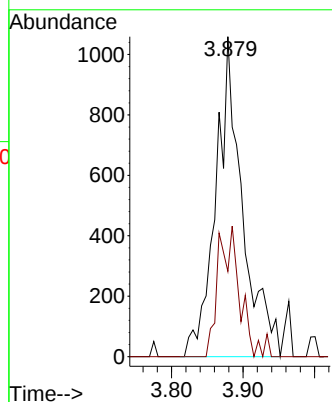
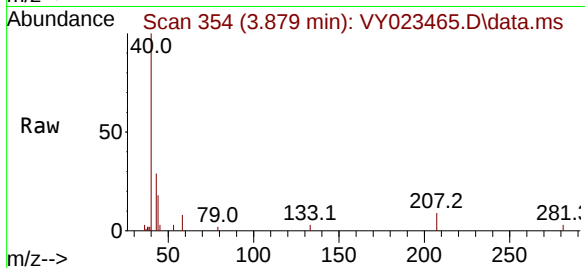
2ND-STREET-SOIL

Tgt Ion: 43 Resp: 2741

Ion Ratio Lower Upper

43 100

58 26.6 27.7 41.5#



#20

Methylene Chloride

Concen: 4.858 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.012 min

Lab File: VY023465.D

Acq: 14 Oct 2025 16:25

Tgt Ion: 84 Resp: 26213

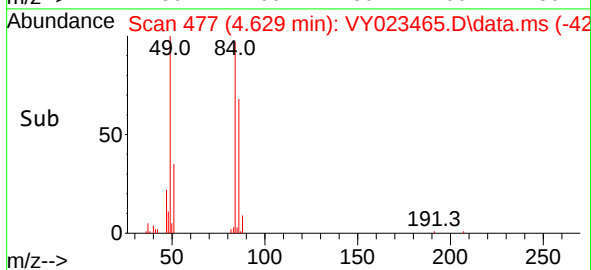
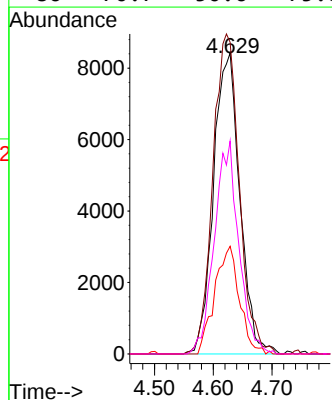
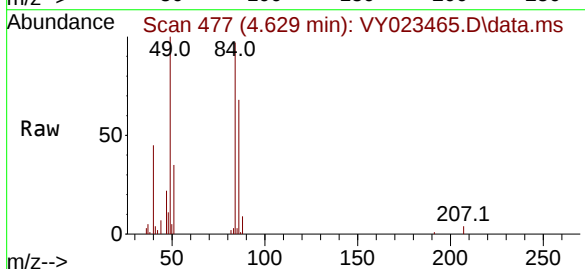
Ion Ratio Lower Upper

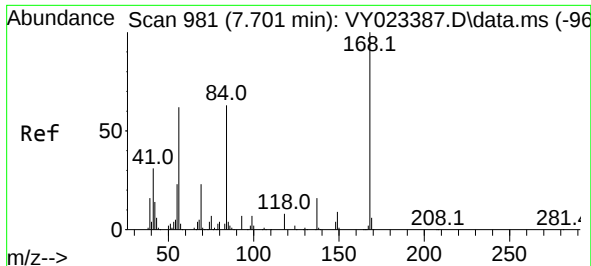
84 100

49 103.5 80.2 120.4

51 35.8 25.9 38.9

86 70.7 50.6 75.8

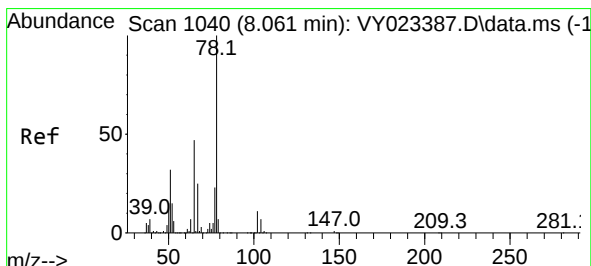
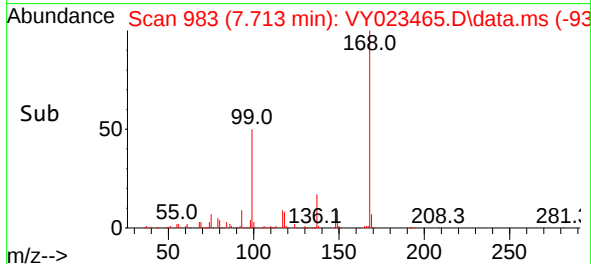
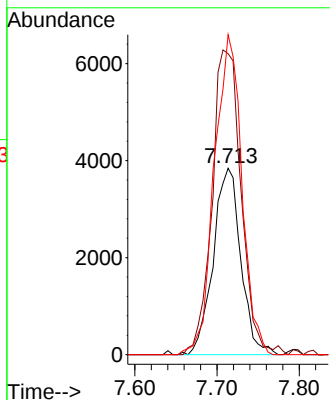
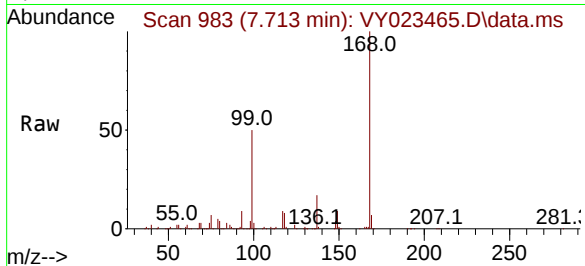




#31
Cyclohexane
Concen: 1.285 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023465.D
Acq: 14 Oct 2025 16:25

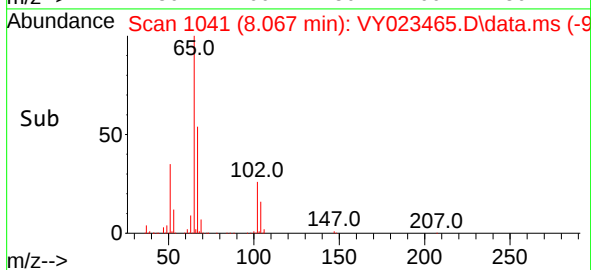
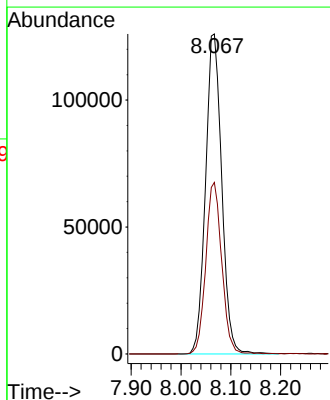
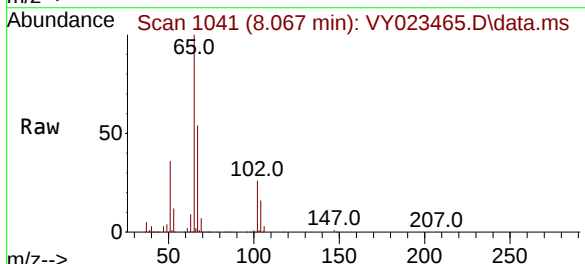
Instrument :
MSVOA_Y
ClientSampleId :
2ND-STREET-SOIL

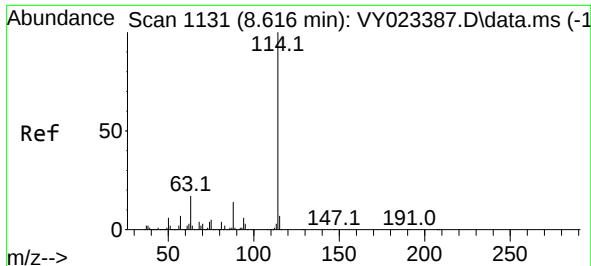
Tgt Ion: 56 Resp: 8957
Ion Ratio Lower Upper
56 100
69 161.5 30.0 45.0#
84 171.7 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 67.804 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023465.D
Acq: 14 Oct 2025 16:25

Tgt Ion: 65 Resp: 284209
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

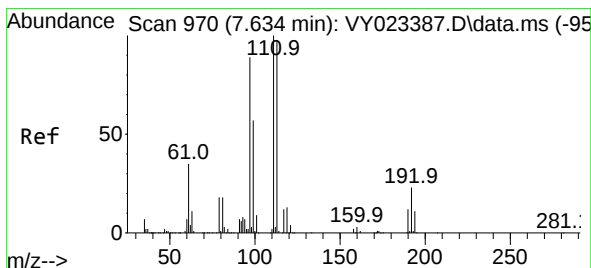
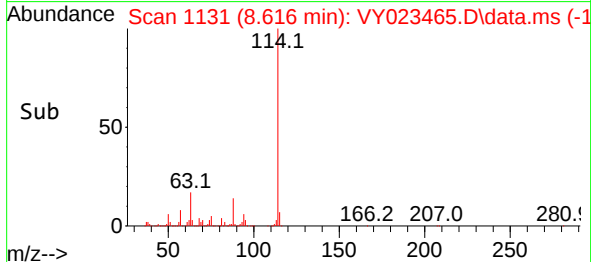
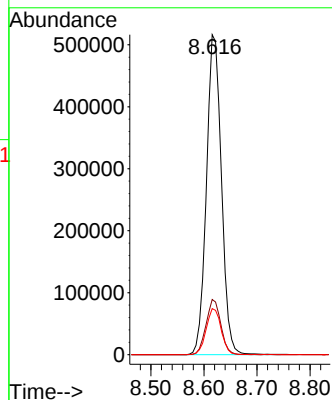
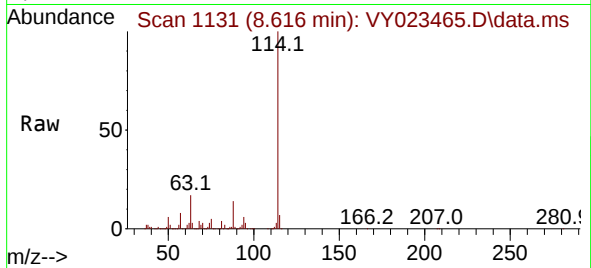




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023465.D
Acq: 14 Oct 2025 16:25

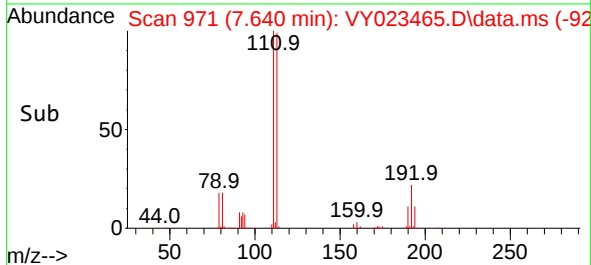
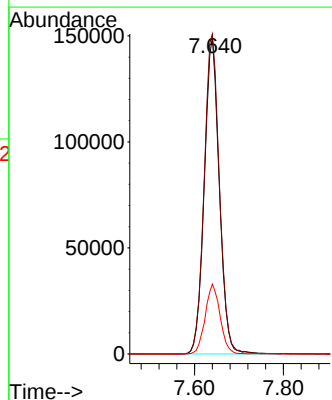
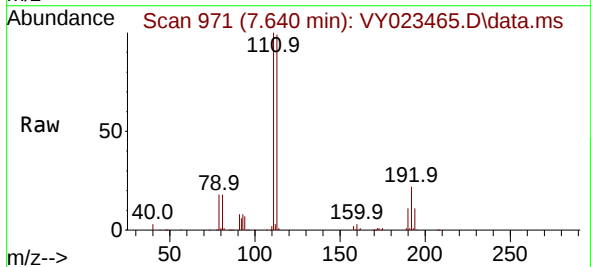
Instrument :
MSVOA_Y
ClientSampleId :
2ND-STREET-SOIL

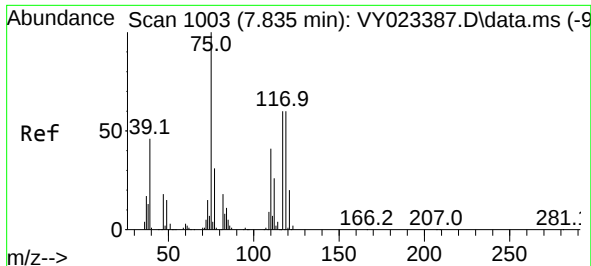
Tgt Ion:114 Resp: 1014094
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 56.284 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023465.D
Acq: 14 Oct 2025 16:25

Tgt Ion:113 Resp: 350713
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 22.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.103 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023465.D

Acq: 14 Oct 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

2ND-STREET-SOIL

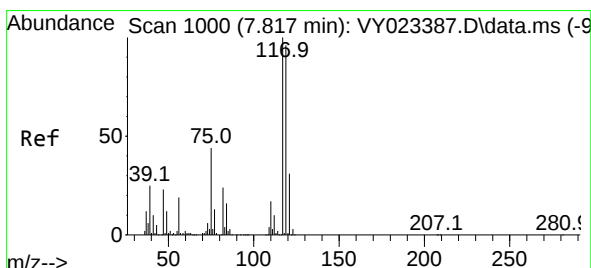
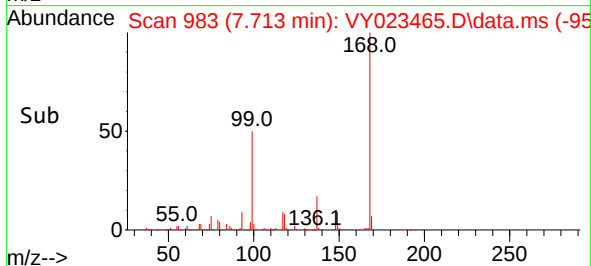
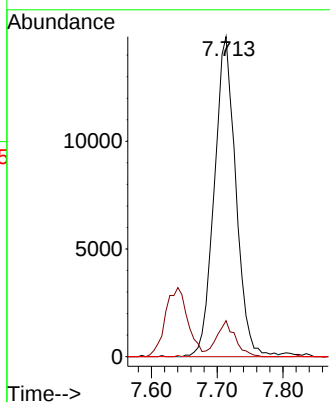
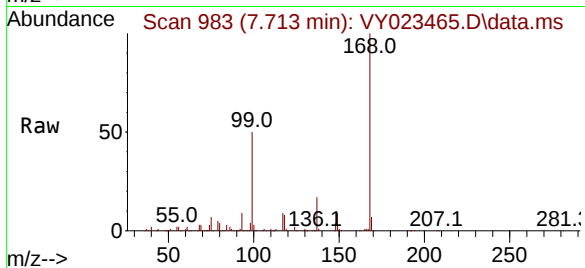
Tgt Ion: 75 Resp: 33849

Ion Ratio Lower Upper

75 100

110 9.6 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.661 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023465.D

Acq: 14 Oct 2025 16:25

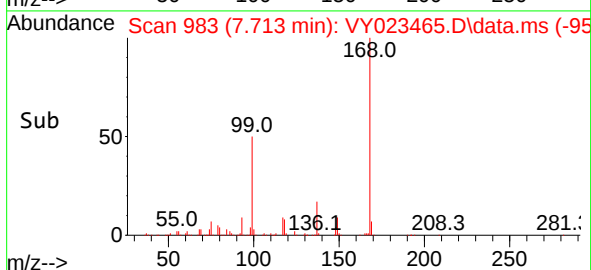
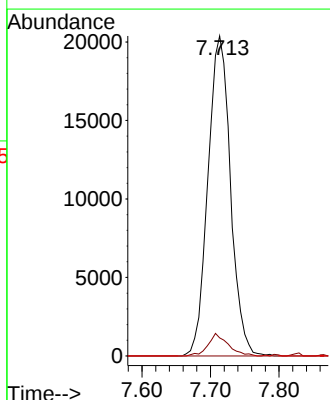
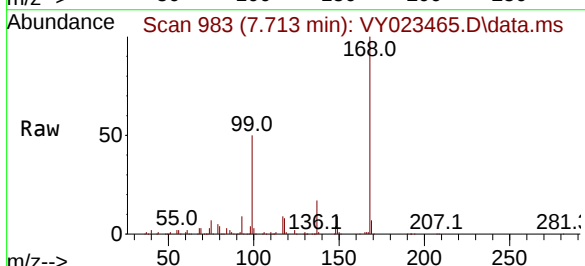
Tgt Ion: 117 Resp: 46619

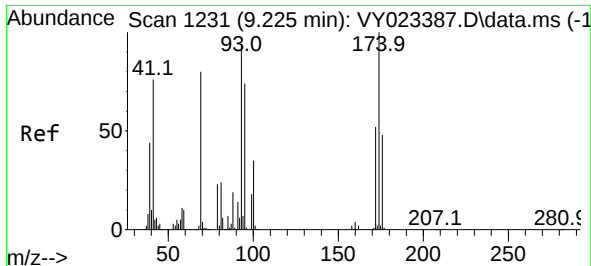
Ion Ratio Lower Upper

117 100

119 5.7 76.8 115.2#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 1.064 ug/l

RT: 8.994 min Scan# 1193

Delta R.T. -0.232 min

Lab File: VY023465.D

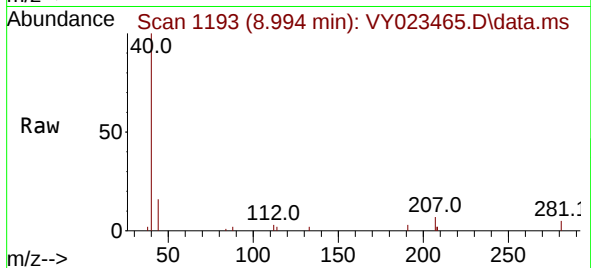
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Instrument :

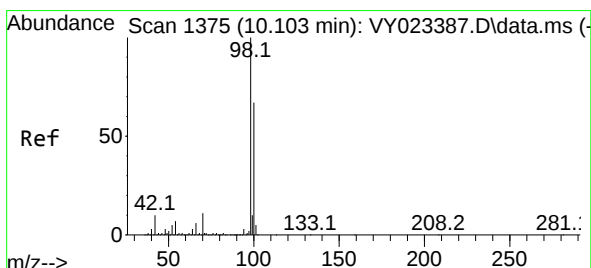
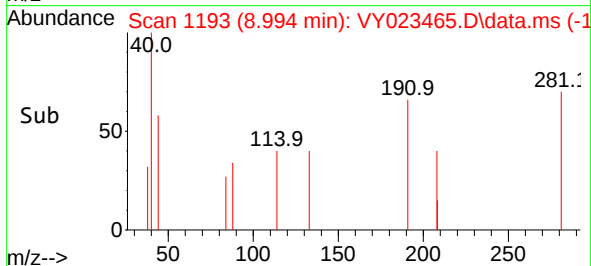
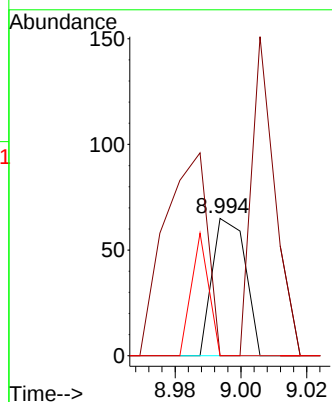
MSVOA_Y

ClientSampleId :

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Tgt Ion:	88	Resp:	45
Ion	Ratio	Lower	Upper
88	100		
43	193.3	21.8	32.8#
58	46.7	46.8	70.2#



#50

Toluene-d8

Concen: 53.662 ug/l

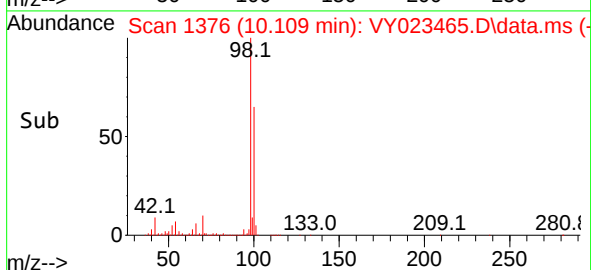
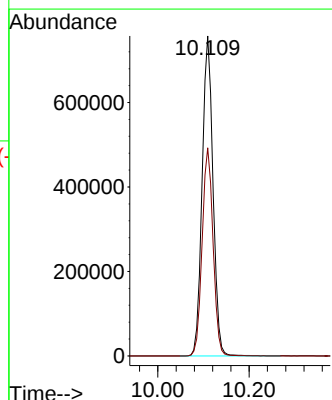
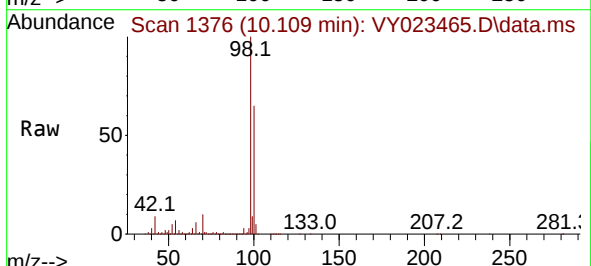
RT: 10.109 min Scan# 1376

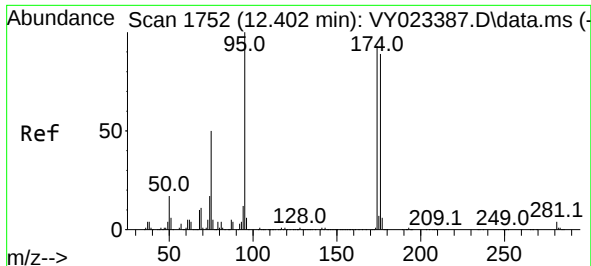
Delta R.T. 0.006 min

Lab File: VY023465.D

Acq: 14 Oct 2025 16:25

Tgt Ion:	98	Resp:	1245233
Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

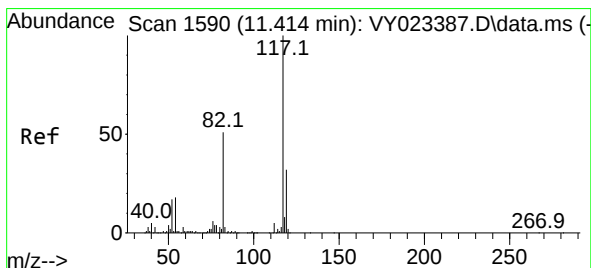
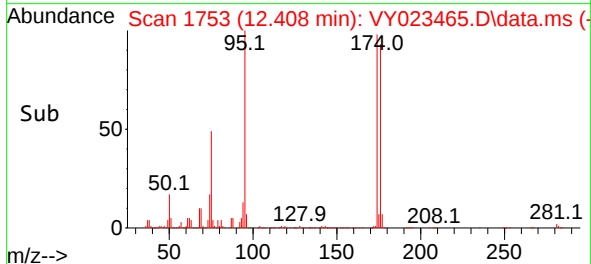
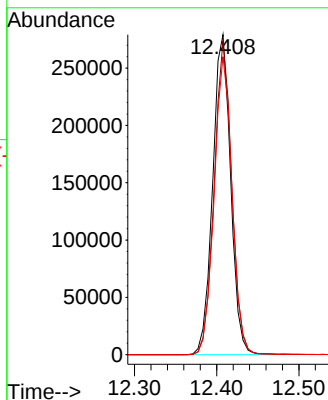
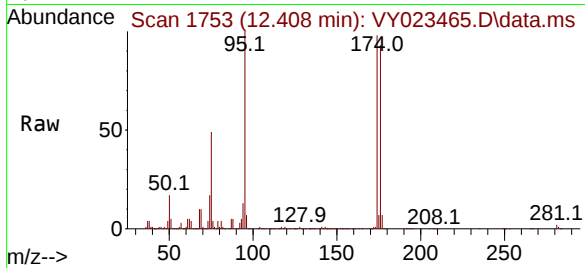




#62
4-Bromofluorobenzene
Concen: 55.293 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023465.D
Acq: 14 Oct 2025 16:25

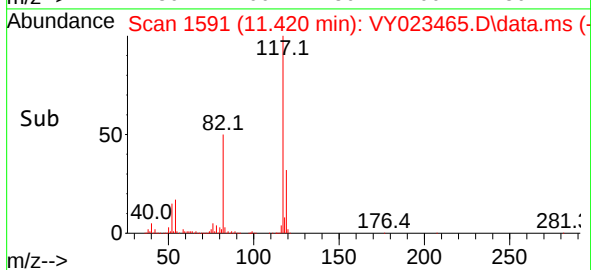
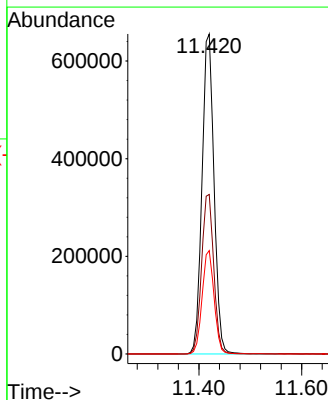
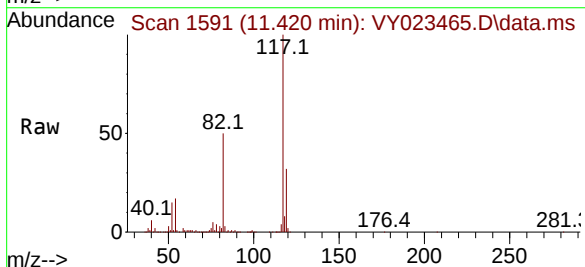
Instrument :
MSVOA_Y
ClientSampleId :
2ND-STREET-SOIL

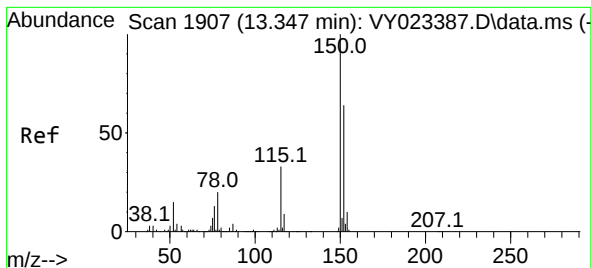
Tgt Ion: 95 Resp: 423611
Ion Ratio Lower Upper
95 100
174 96.4 0.0 192.8
176 92.9 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023465.D
Acq: 14 Oct 2025 16:25

Tgt Ion: 117 Resp: 1063723
Ion Ratio Lower Upper
117 100
82 49.9 41.0 61.4
119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023465.D

Acq: 14 Oct 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

2ND-STREET-SOIL

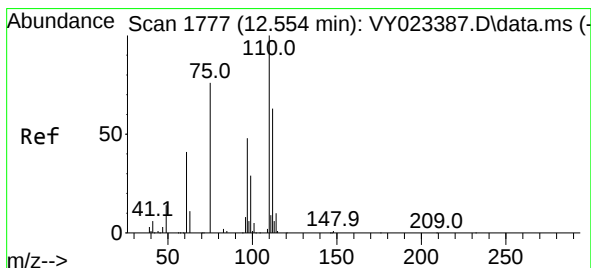
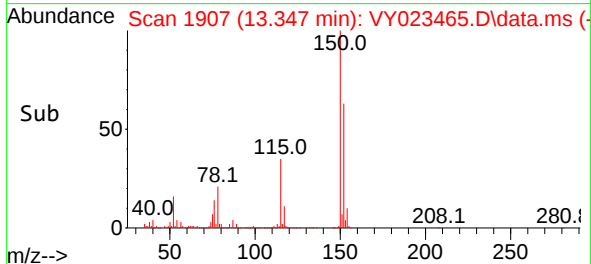
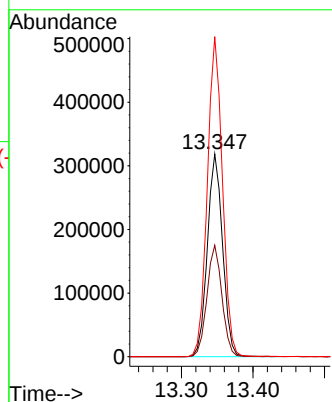
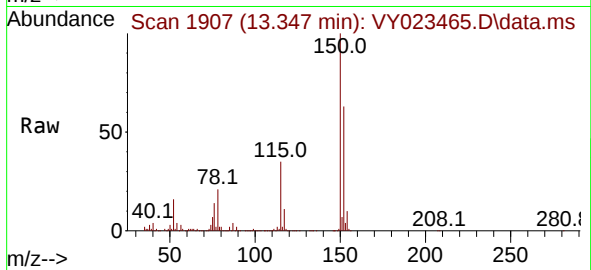
Tgt Ion:152 Resp: 470646

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.2

150 156.5 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 50.380 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023465.D

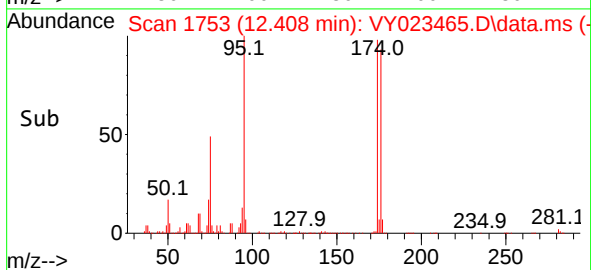
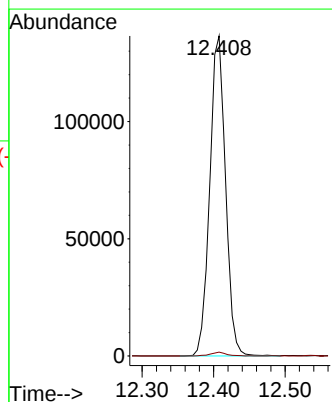
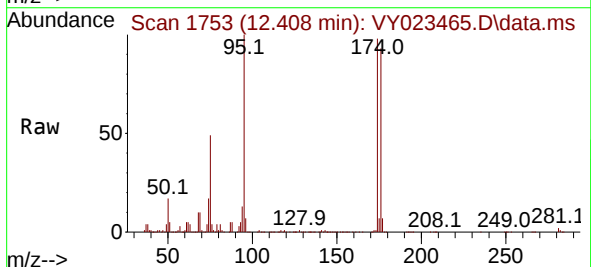
Acq: 14 Oct 2025 16:25

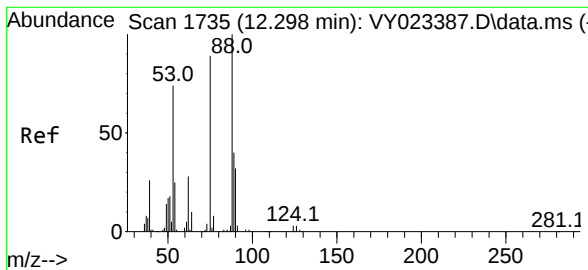
Tgt Ion: 75 Resp: 209195

Ion Ratio Lower Upper

75 100

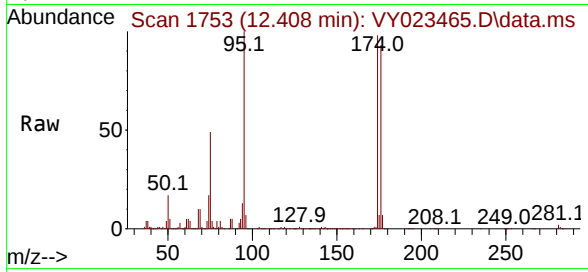
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.541 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023465.D
 Acq: 14 Oct 2025 16:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 2ND-STREET-SOIL



Tgt Ion: 75 Resp: 209195
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

