

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032093.D
 Acq On : 14 Aug 2025 15:01
 Operator : SY/MD
 Sample : Q2820-10
 Misc : 5.39g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-DUP-2

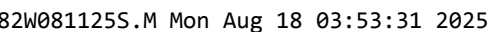
Quant Time: Aug 18 03:53:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

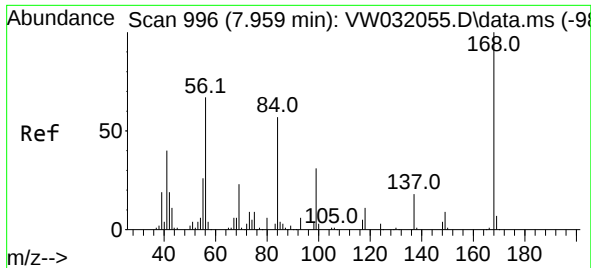
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	131941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	266004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	258211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	103366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	113358	59.405	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 118.800%		
35) Dibromofluoromethane	7.904	113	97310	56.625	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 113.260%		
50) Toluene-d8	10.325	98	318544	50.116	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.240%		
62) 4-Bromofluorobenzene	12.617	95	102332	43.688	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 87.380%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	302	2.444	ug/l #	4
13) Acrolein	3.930	56	302	1.534	ug/l #	38
16) Acetone	4.167	43	21181	47.942	ug/l	97
17) Carbon Disulfide	4.430	76	14886	3.466	ug/l	98
18) Methyl Acetate	4.710	43	1937	1.386	ug/l #	68
20) Methylene Chloride	4.954	84	9675	4.736	ug/l	95
25) 2-Butanone	7.203	43	2326	3.704	ug/l #	81
31) Cyclohexane	7.959	56	3808	1.400	ug/l #	12
36) 1,1-Dichloropropene	7.959	75	12241	5.053	ug/l #	52
38) Carbon Tetrachloride	7.959	117	15615	6.679	ug/l #	19
49) 1,4-Dioxane	9.453	88	19	1.252	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	58114	41.424	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	58114	107.242	ug/l #	9

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

Quant Time: Aug 18 03:53:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

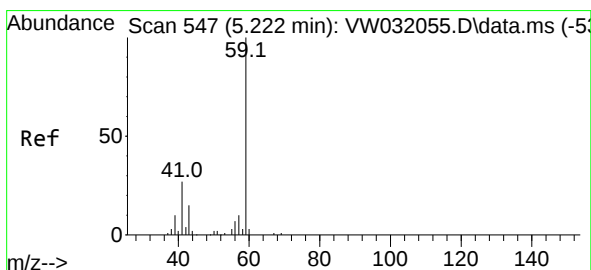
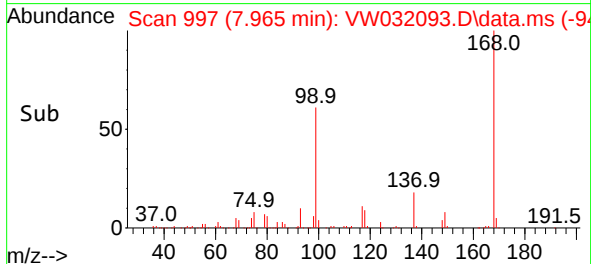
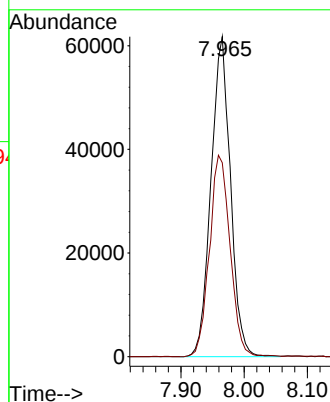
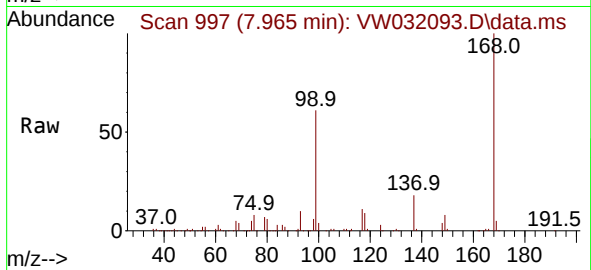




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

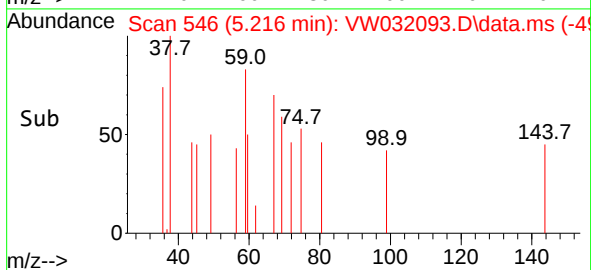
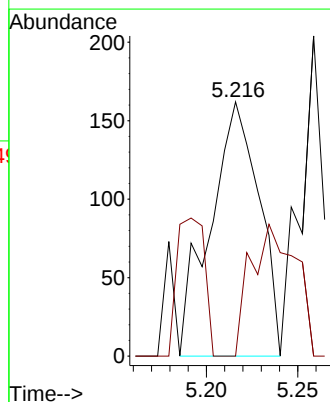
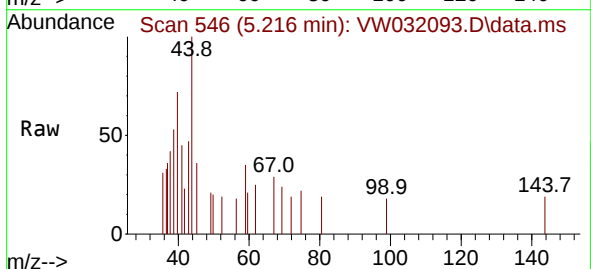
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MSVOA_W
ClientSampleId :
SOIL-DUP-2

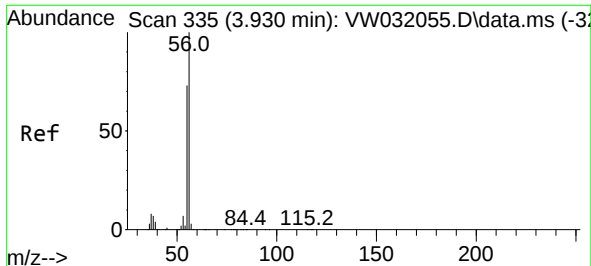
Tgt Ion:168 Resp: 131941
Ion Ratio Lower Upper
168 100
99 60.6 56.0 84.0



#11
Tert butyl alcohol
Concen: 2.444 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion: 59 Resp: 302
Ion Ratio Lower Upper
59 100
57 47.4 8.7 13.1#

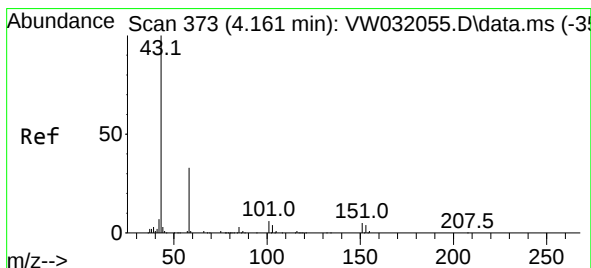
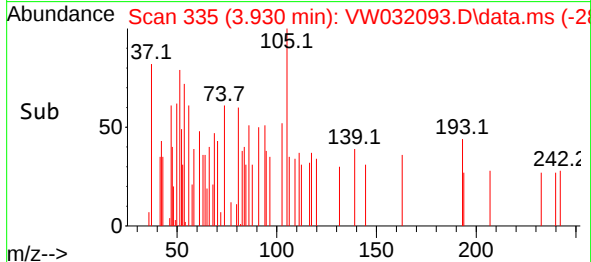
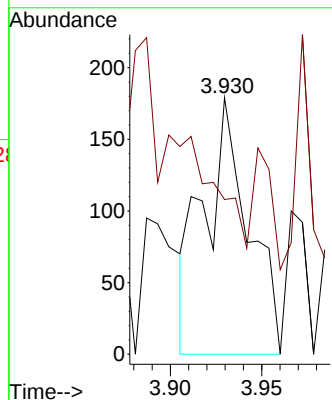
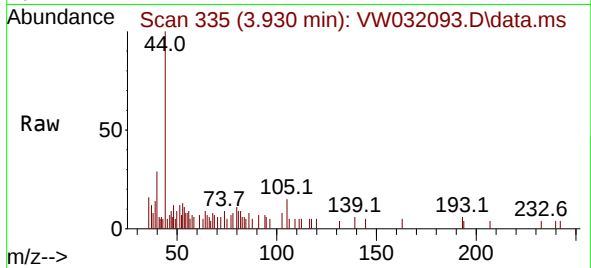




#13
Acrolein
Concen: 1.534 ug/l
RT: 3.930 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

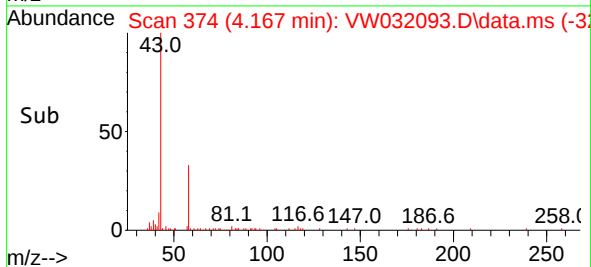
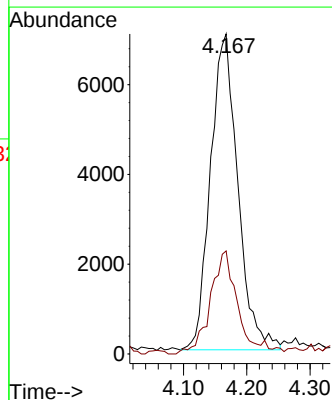
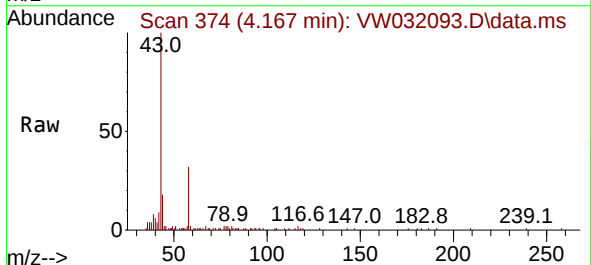
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

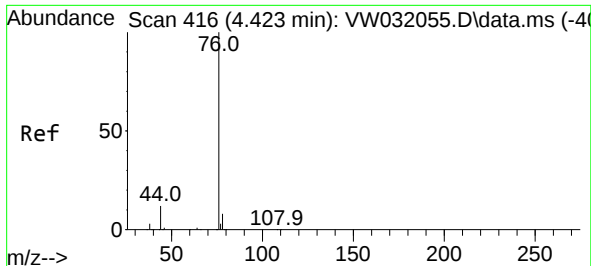
Tgt Ion: 56 Resp: 302
Ion Ratio Lower Upper
56 100
55 18.9 55.4 83.2#



#16
Acetone
Concen: 47.942 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion: 43 Resp: 21181
Ion Ratio Lower Upper
43 100
58 31.8 26.6 39.8

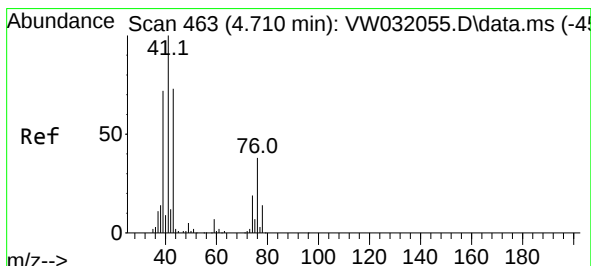
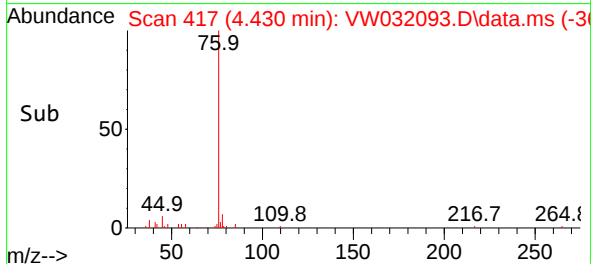
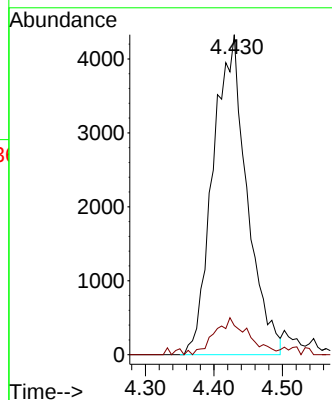
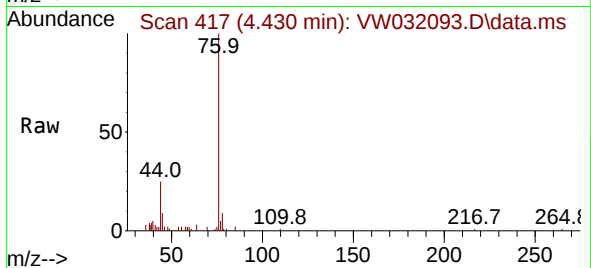




#17
Carbon Disulfide
Concen: 3.466 ug/l
RT: 4.430 min Scan# 416
Delta R.T. 0.006 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

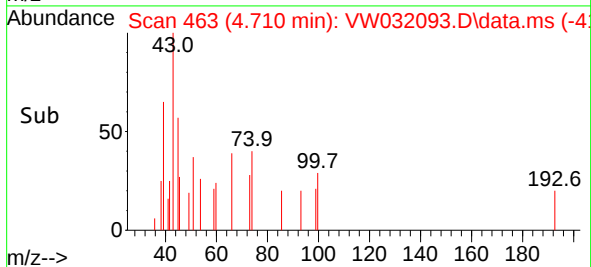
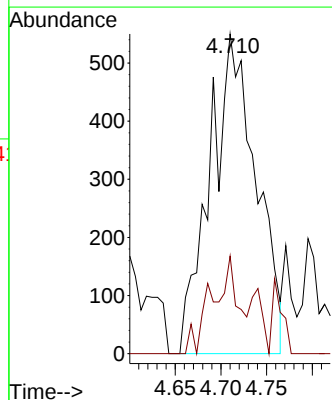
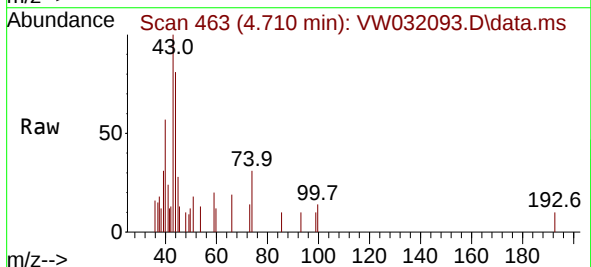
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

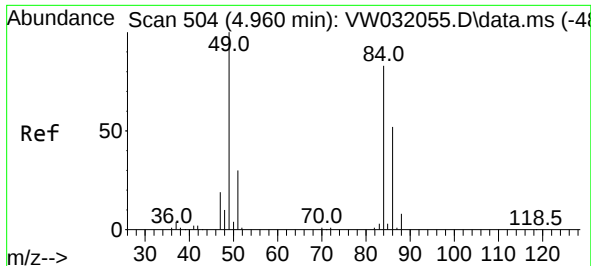
Tgt Ion: 76 Resp: 14886
Ion Ratio Lower Upper
76 100
78 8.8 6.4 9.6



#18
Methyl Acetate
Concen: 1.386 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
74 9.3 20.6 31.0#

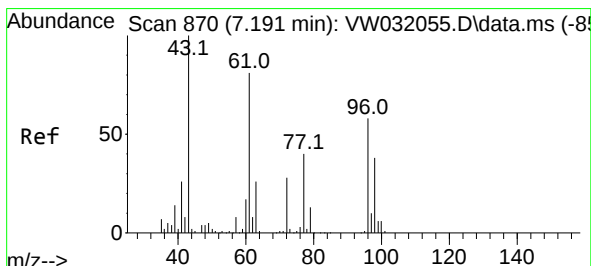
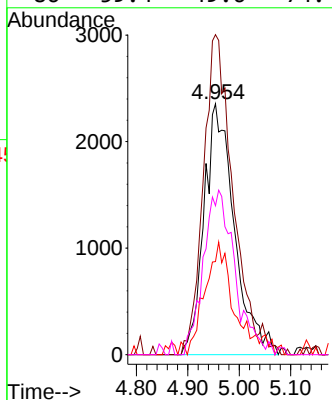
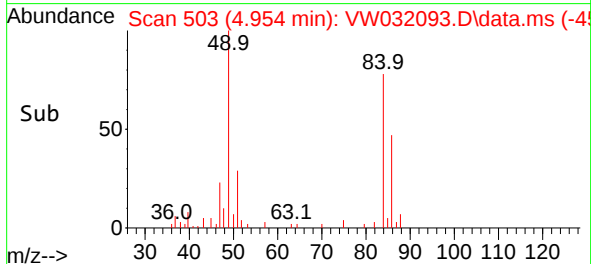
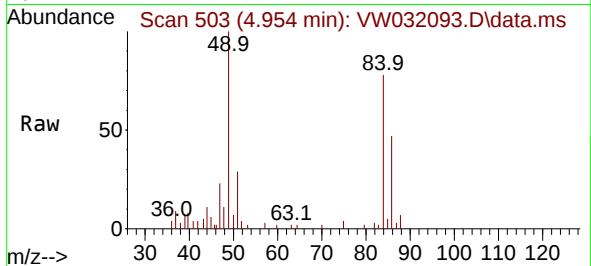




#20
Methylene Chloride
Concen: 4.736 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

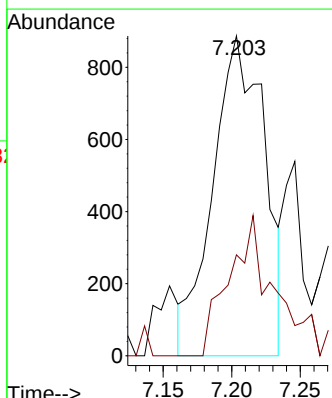
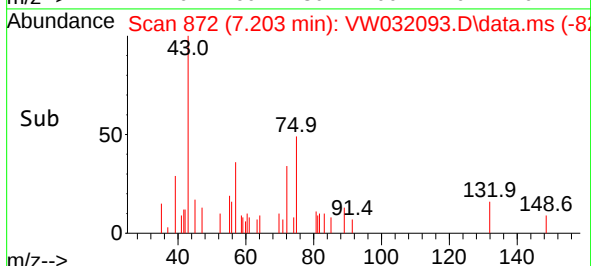
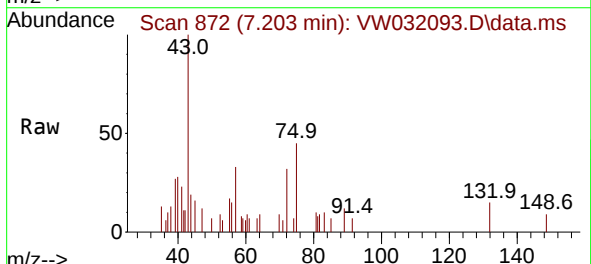
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

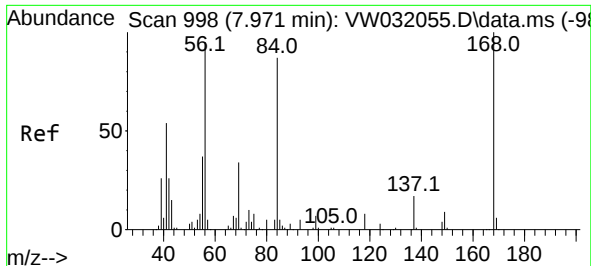
Tgt Ion: 84	Resp: 9675
Ion Ratio	Lower Upper
84 100	
49 127.6	95.9 143.9
51 37.2	28.6 43.0
86 59.4	49.6 74.4



#25
2-Butanone
Concen: 3.704 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion: 43	Resp: 2326		
Ion Ratio	Lower	Upper	
43 100			
72 37.6	22.3	33.5#	

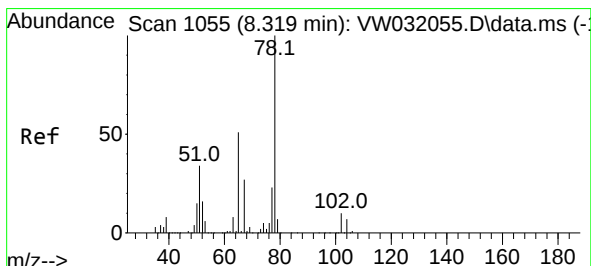
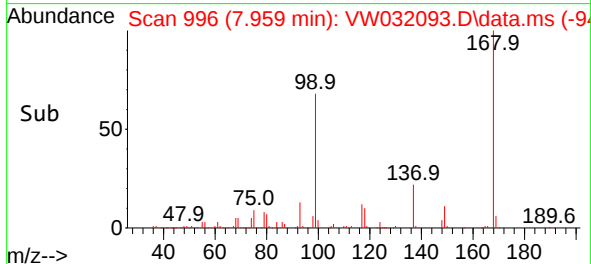
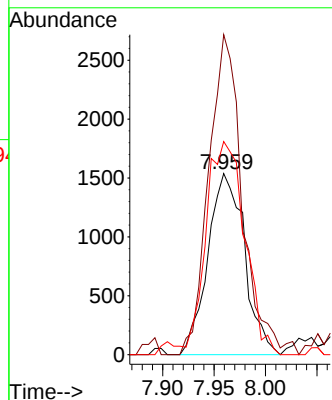
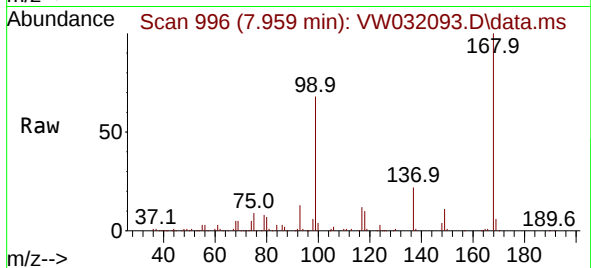




#31
Cyclohexane
Concen: 1.400 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

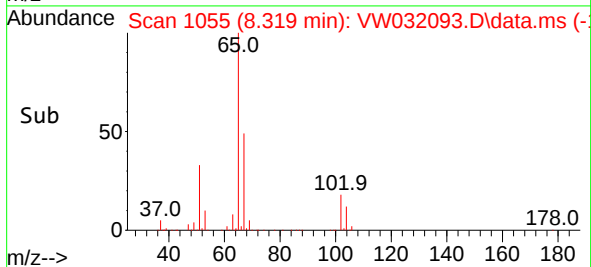
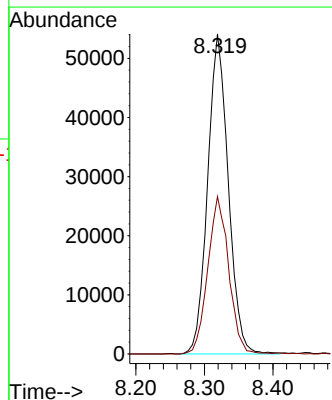
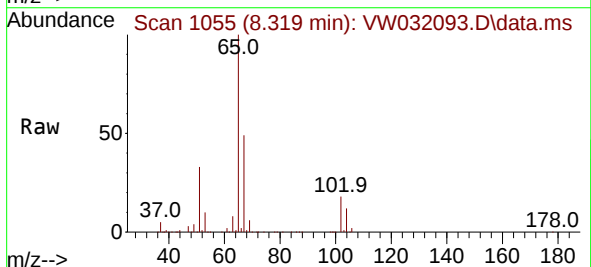
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

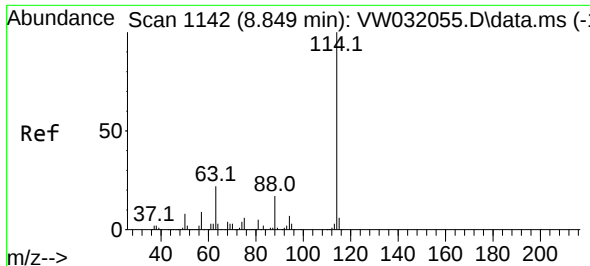
Tgt Ion: 56 Resp: 3808
Ion Ratio Lower Upper
56 100
69 176.8 28.6 42.8#
84 117.7 73.0 109.4#



#33
1,2-Dichloroethane-d4
Concen: 59.405 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion: 65 Resp: 113358
Ion Ratio Lower Upper
65 100
67 49.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032093.D

Acq: 14 Aug 2025 15:01

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DUP-2

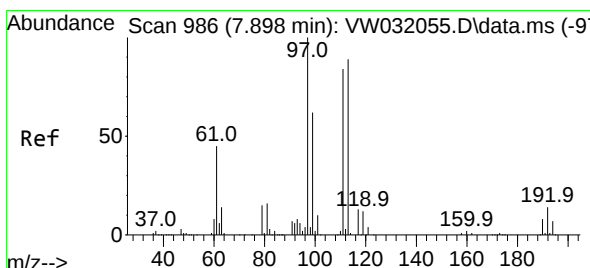
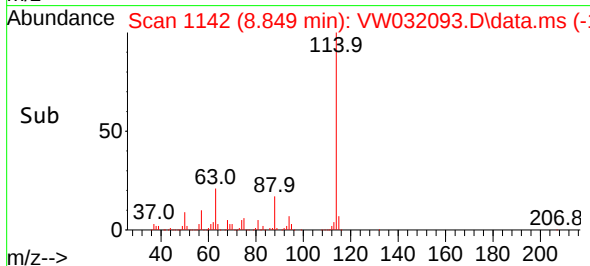
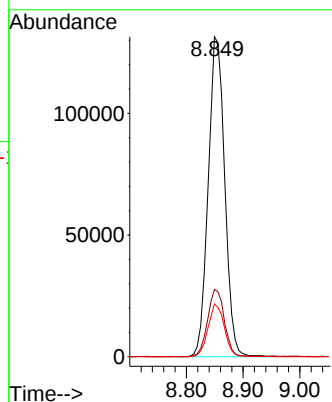
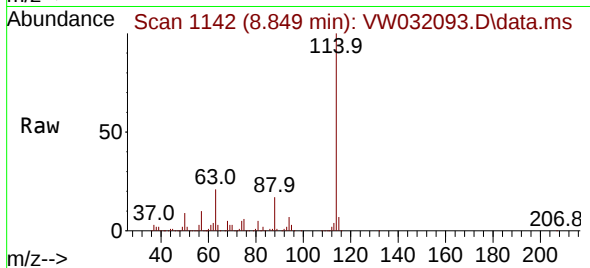
Tgt Ion:114 Resp: 266004

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.0

88 16.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 56.625 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032093.D

Acq: 14 Aug 2025 15:01

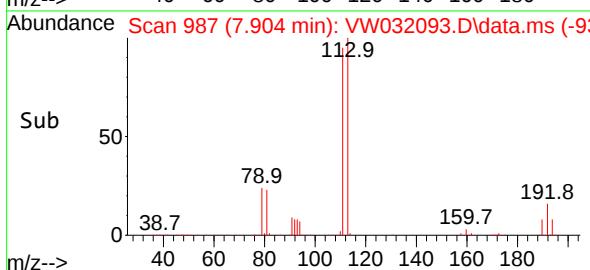
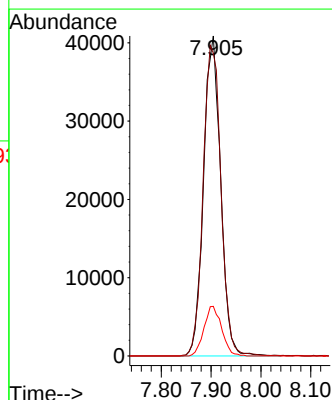
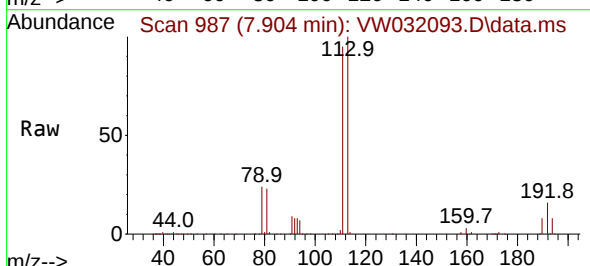
Tgt Ion:113 Resp: 97310

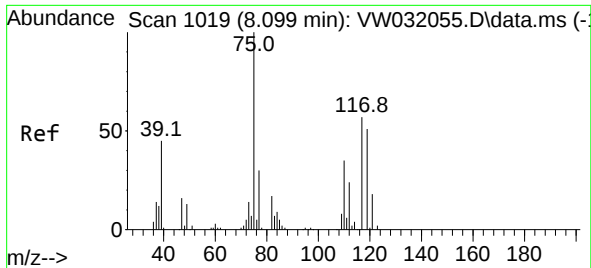
Ion Ratio Lower Upper

113 100

111 101.5 80.1 120.1

192 16.1 13.1 19.7

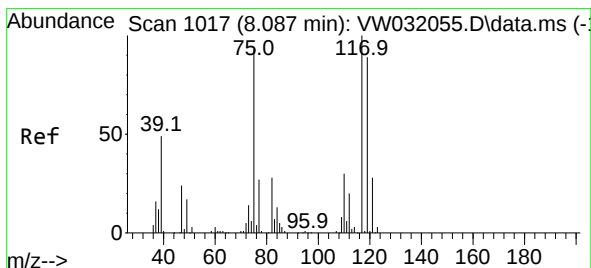
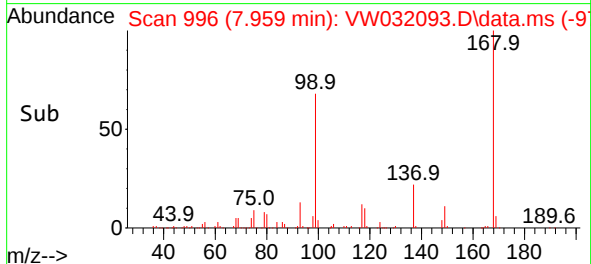
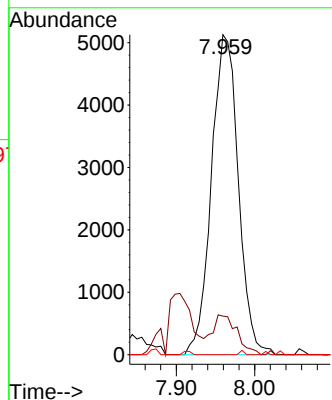
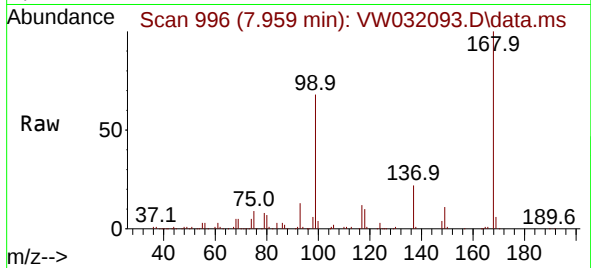




#36
1,1-Dichloropropene
Concen: 5.053 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

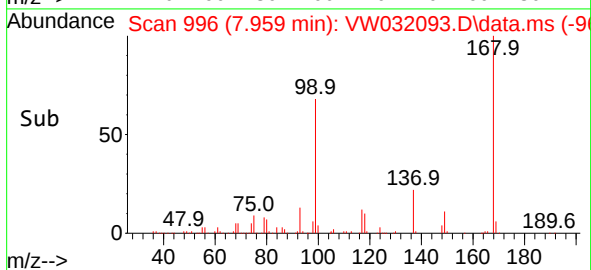
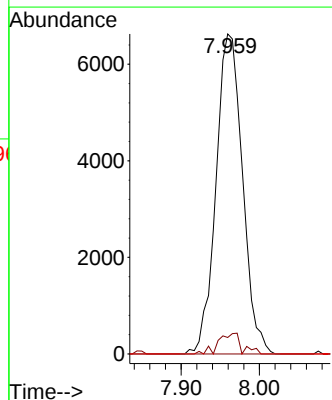
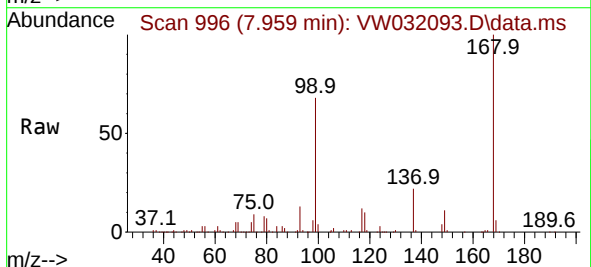
Instrument :
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SOIL-DUP-2

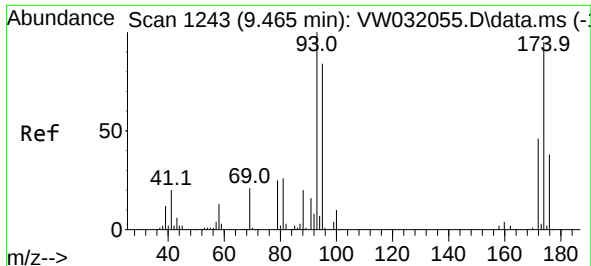
Tgt Ion: 75 Resp: 12241
Ion Ratio Lower Upper
75 100
110 11.4 17.4 52.2#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.679 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion: 117 Resp: 15615
Ion Ratio Lower Upper
117 100
119 5.2 71.4 107.2#
121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 1.252 ug/l

RT: 9.453 min Scan# 1241

Delta R.T. -0.012 min

Lab File: VW032093.D

Acq: 14 Aug 2025 15:01

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DUP-2

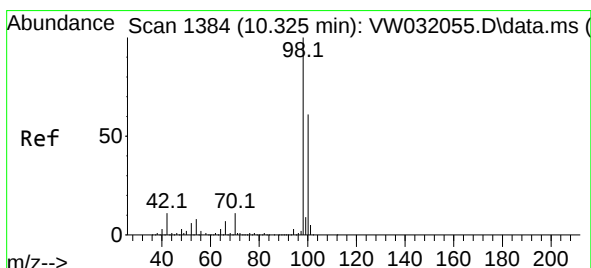
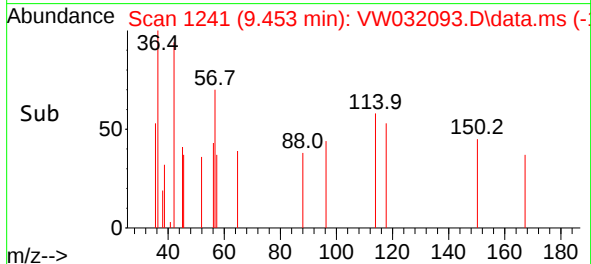
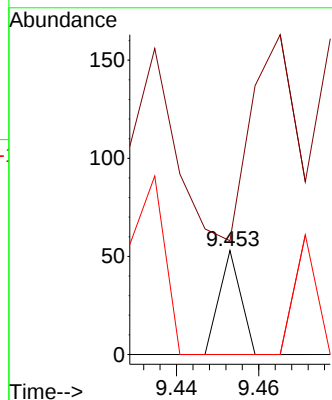
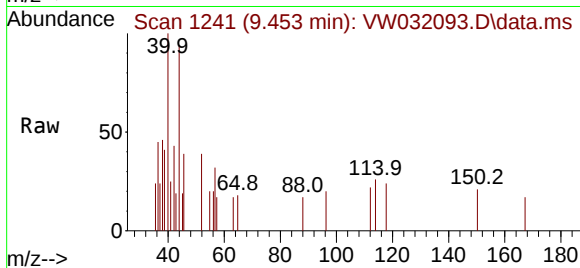
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 747.4 20.6 30.8#

58 236.8 60.4 90.6#



#50

Toluene-d8

Concen: 50.116 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032093.D

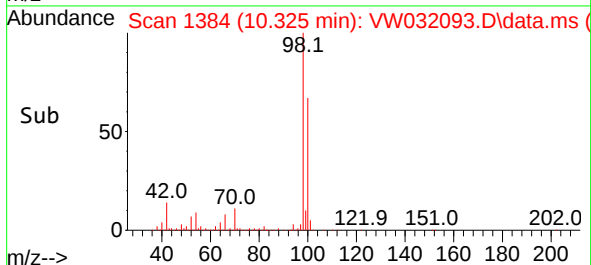
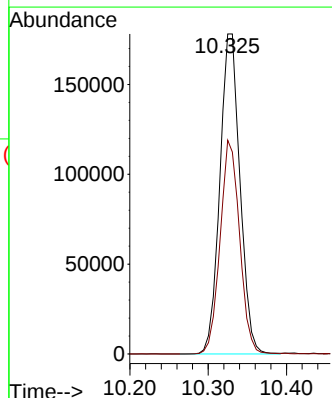
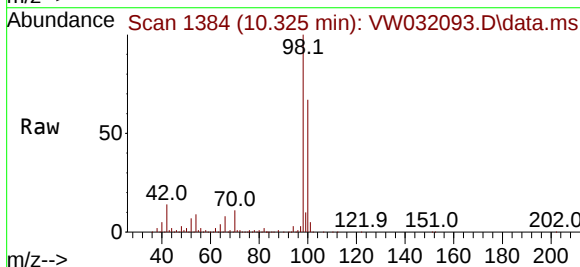
Acq: 14 Aug 2025 15:01

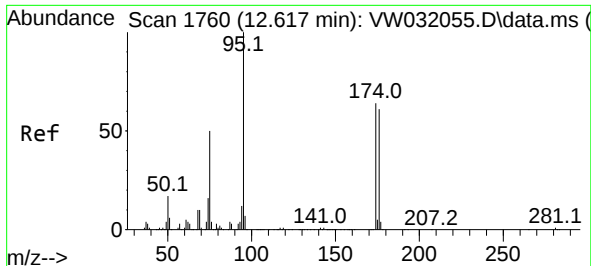
Tgt Ion: 98 Resp: 318544

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7

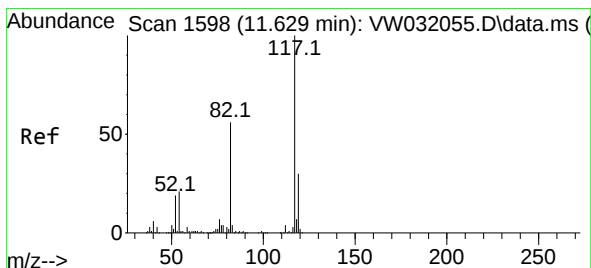
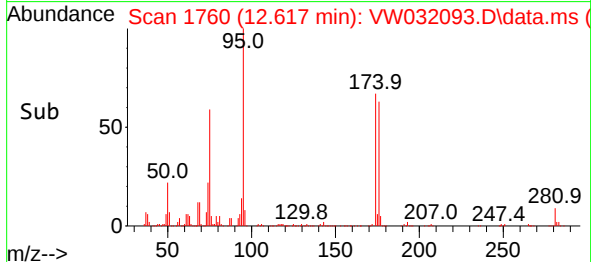
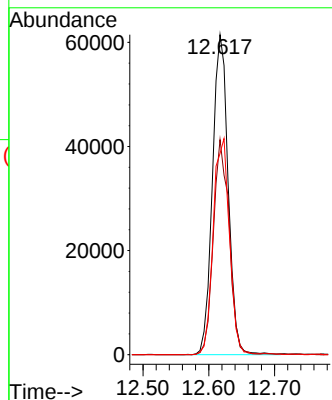
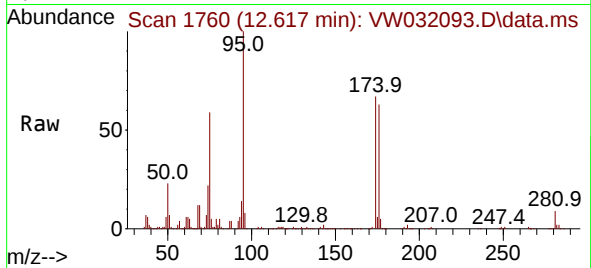




#62
4-Bromofluorobenzene
Concen: 43.688 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

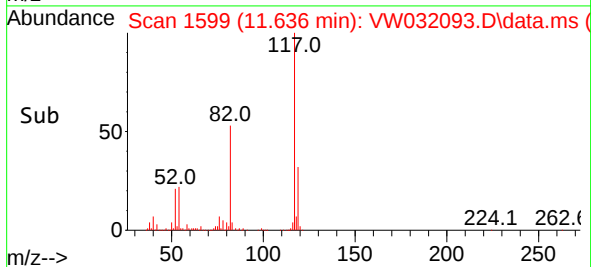
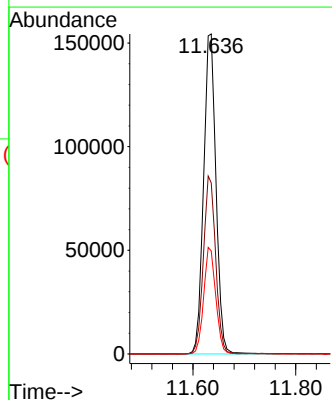
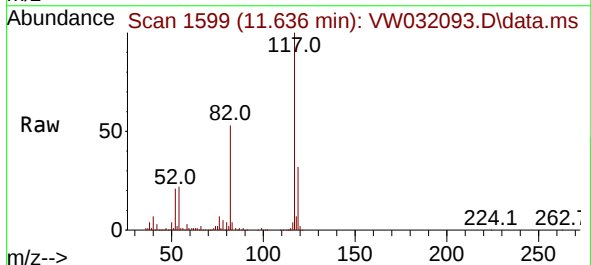
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-2

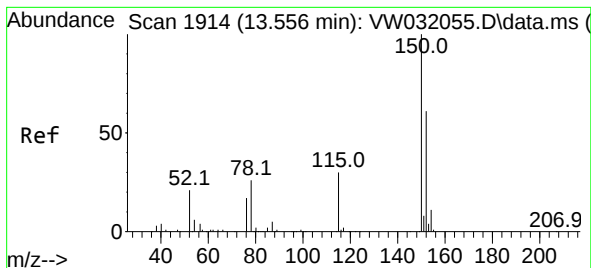
Tgt Ion: 95 Resp: 102332
Ion Ratio Lower Upper
95 100
174 67.6 0.0 129.0
176 69.9 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032093.D
Acq: 14 Aug 2025 15:01

Tgt Ion: 117 Resp: 258211
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.2 24.2 36.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032093.D

Acq: 14 Aug 2025 15:01

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DUP-2

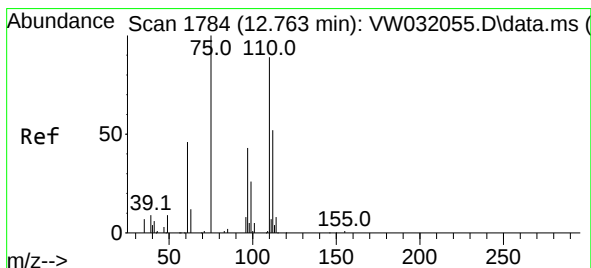
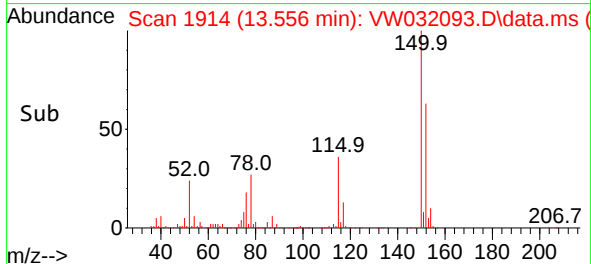
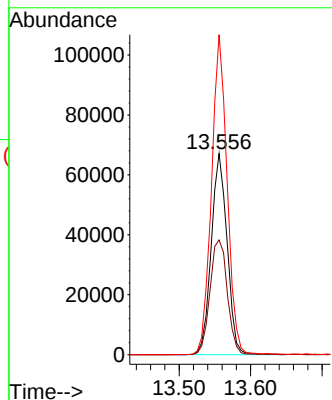
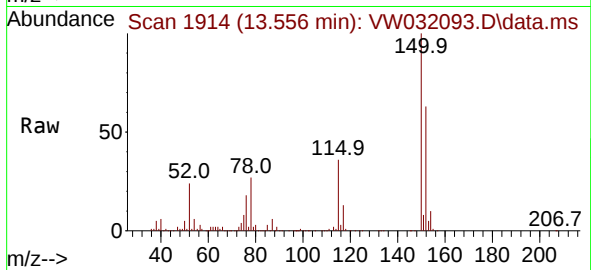
Tgt Ion:152 Resp: 103366

Ion Ratio Lower Upper

152 100

115 62.6 32.6 97.8

150 156.3 0.0 359.4



#76

1,2,3-Trichloropropane

Concen: 41.424 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032093.D

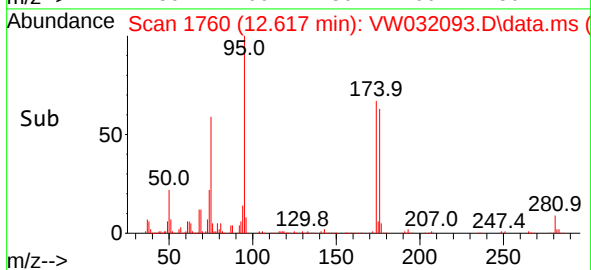
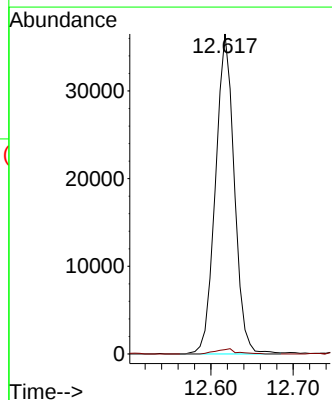
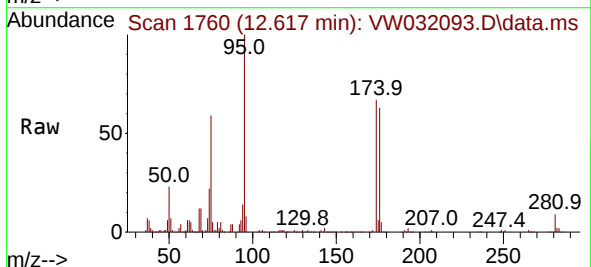
Acq: 14 Aug 2025 15:01

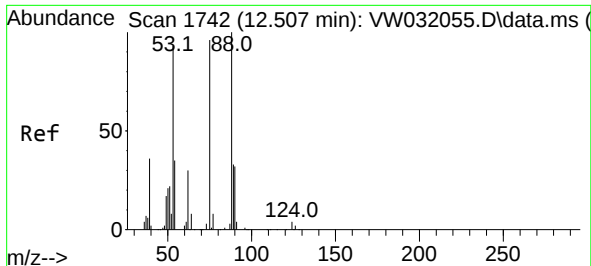
Tgt Ion: 75 Resp: 58114

Ion Ratio Lower Upper

75 100

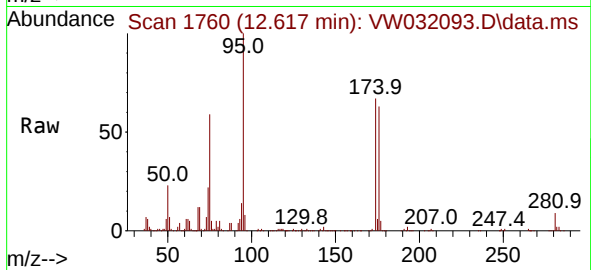
77 1.8 123.5 370.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.242 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032093.D
 Acq: 14 Aug 2025 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-DUP-2



Tgt Ion: 75 Resp: 58114
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.0 121.6#
 89 0.0 37.3 55.9#

