

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032117.D
 Acq On : 22 Aug 2025 17:34
 Operator : SY/MD
 Sample : Q2932-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0002-SOIL

Quant Time: Aug 25 04:00:09 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)

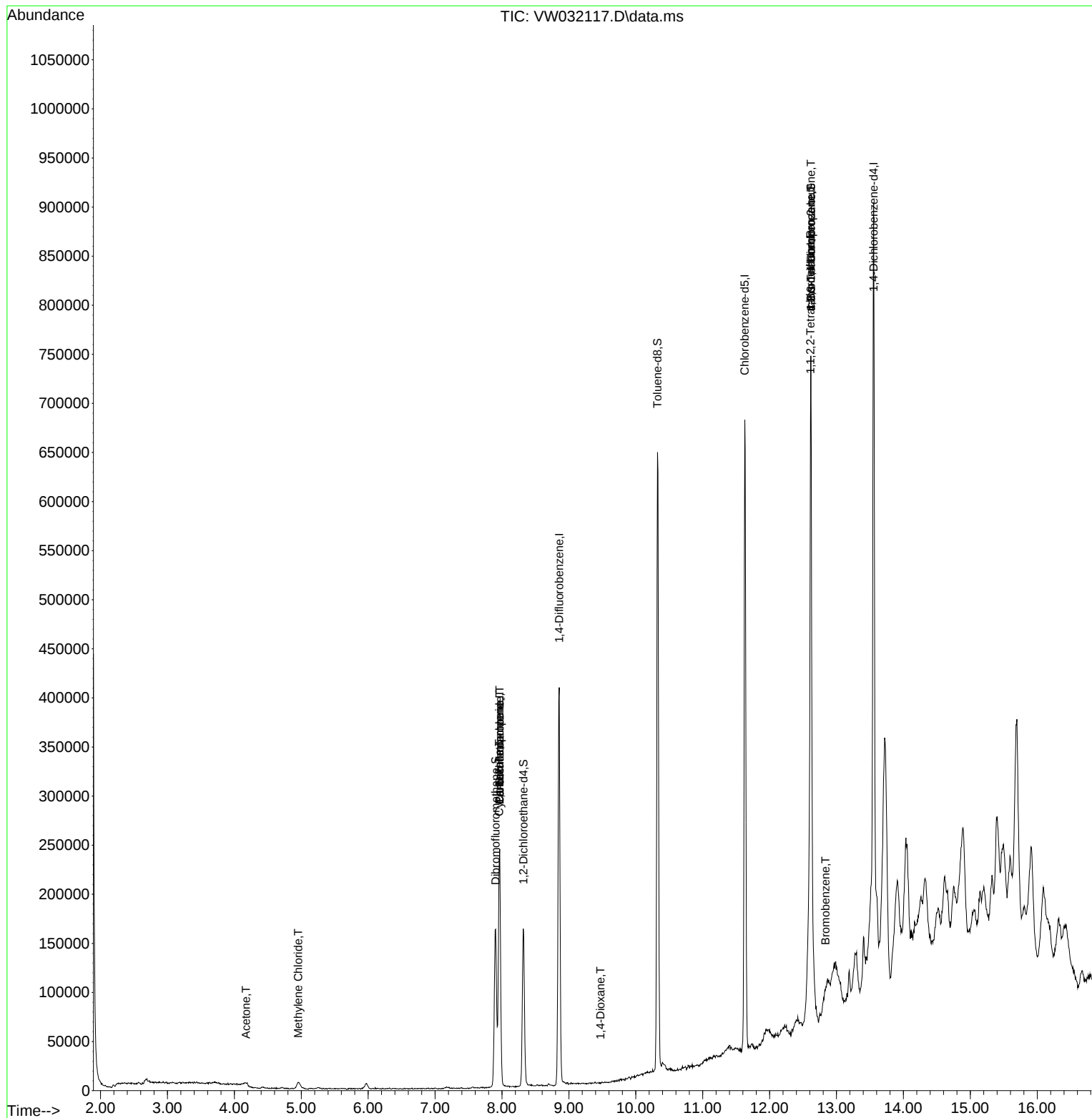
Internal Standards						
1) Pentafluorobenzene	7.965	168	176422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	333919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	342998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	182579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132237	51.826	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.660%			
35) Dibromofluoromethane	7.904	113	116987	54.230	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.460%			
50) Toluene-d8	10.324	98	428152	53.660	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 107.320%			
62) 4-Bromofluorobenzene	12.617	95	211201	71.828	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 143.660%			
Target Compounds						
					Qvalue	
16) Acetone	4.173	43	3529	5.974	ug/l #	87
20) Methylene Chloride	4.953	84	6381	2.336	ug/l	91
31) Cyclohexane	7.959	56	4862	1.337	ug/l #	27
36) 1,1-Dichloropropene	7.965	75	14703	4.835	ug/l #	53
38) Carbon Tetrachloride	7.965	117	18452	6.287	ug/l #	19
49) 1,4-Dioxane	9.471	88	33	1.732	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.610	83	47919	15.817	ug/l #	27
76) 1,2,3-Trichloropropane	12.617	75	91925	37.096	ug/l #	1
77) Bromobenzene	12.836	156	20366	6.683	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	91925	96.038	ug/l #	20

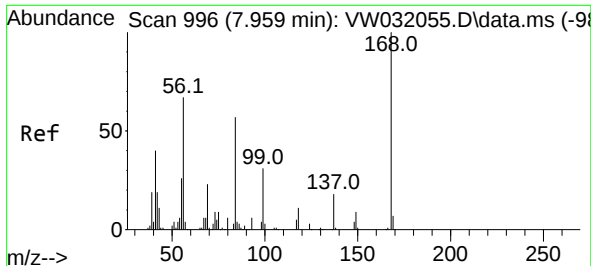
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ARS20-0002-SOIL

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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

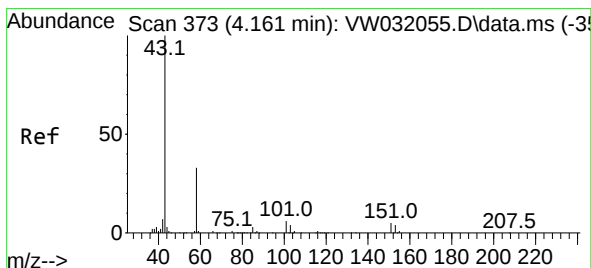
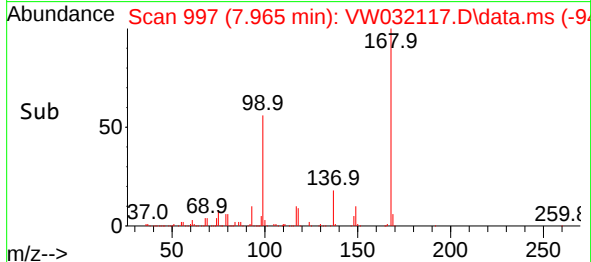
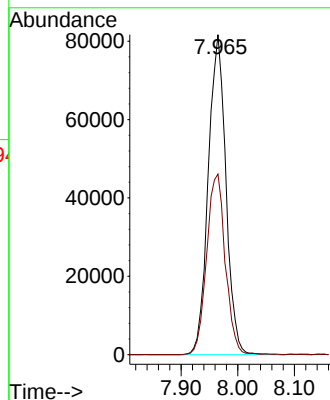
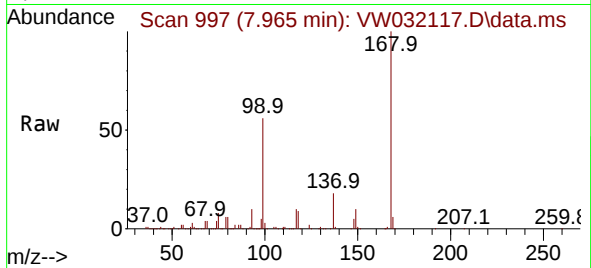




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

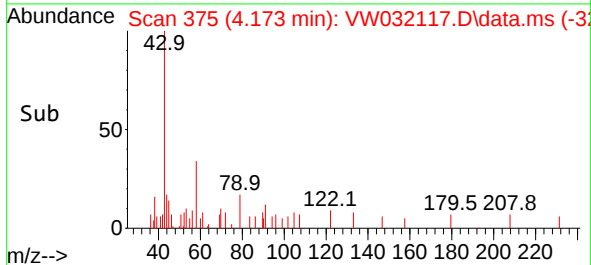
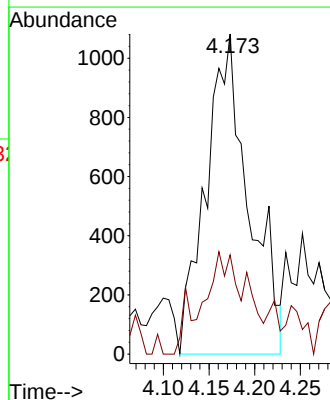
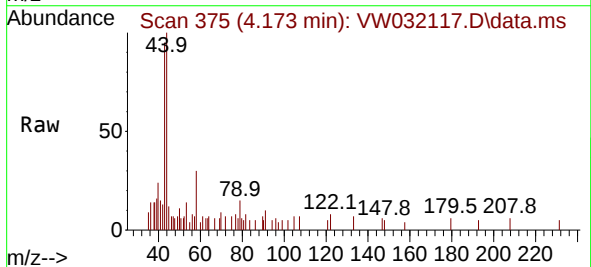
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0002-SOIL

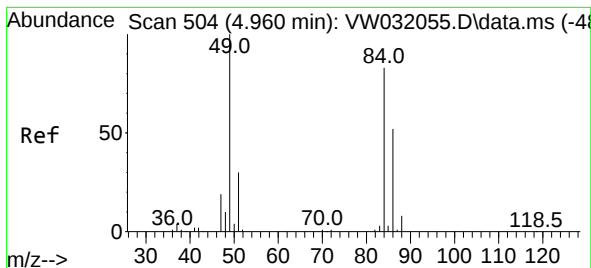
Tgt Ion:168 Resp: 176422
Ion Ratio Lower Upper
168 100
99 56.5 56.0 84.0



#16
Acetone
Concen: 5.974 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.012 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

Tgt Ion: 43 Resp: 3529
Ion Ratio Lower Upper
43 100
58 25.8 26.6 39.8#





#20

Methylene Chloride

Concen: 2.336 ug/l

RT: 4.953 min Scan# 504

Delta R.T. -0.007 min

Lab File: VW032117.D

Acq: 22 Aug 2025 17:34

Instrument :

MSVOA_W

ClientSampleId :

ARS20-0002-SOIL

Tgt Ion: 84 Resp: 6381

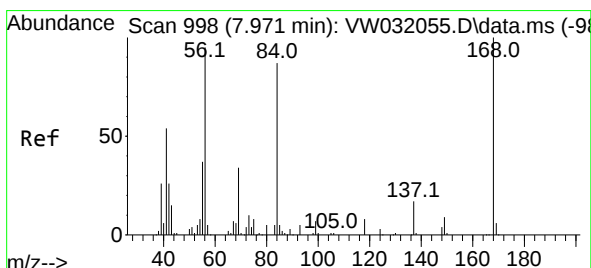
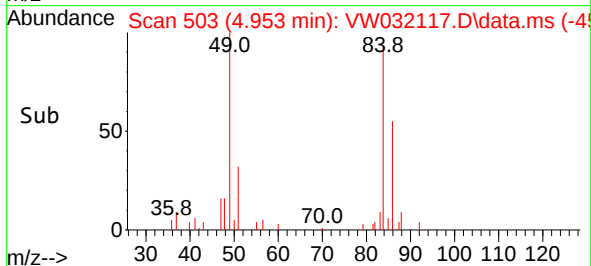
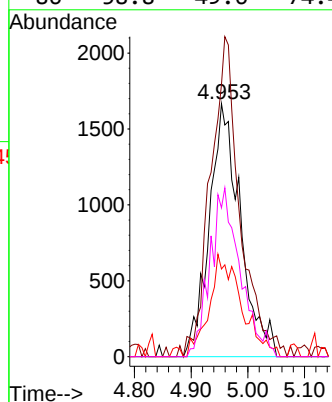
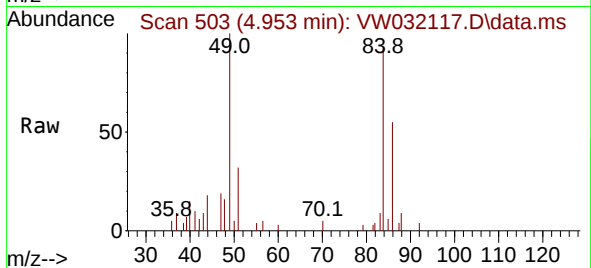
Ion Ratio Lower Upper

84 100

49 104.3 95.9 143.9

51 34.7 28.6 43.0

86 58.8 49.6 74.4



#31

Cyclohexane

Concen: 1.337 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.013 min

Lab File: VW032117.D

Acq: 22 Aug 2025 17:34

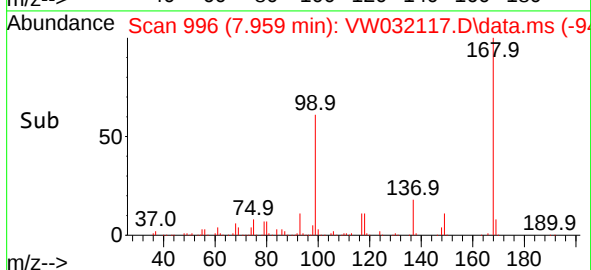
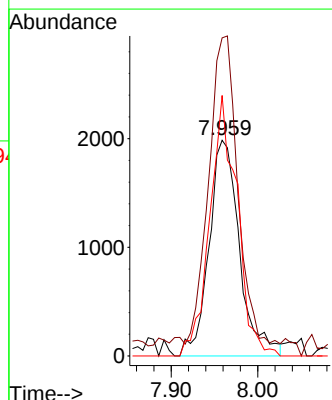
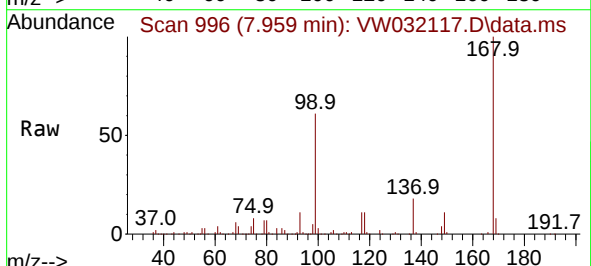
Tgt Ion: 56 Resp: 4862

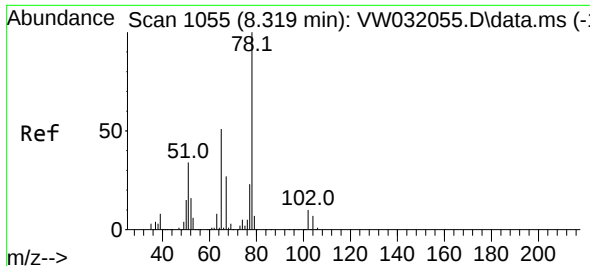
Ion Ratio Lower Upper

56 100

69 141.8 28.6 42.8#

84 120.8 73.0 109.4#





#33

1,2-Dichloroethane-d4

Concen: 51.826 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032117.D

Acq: 22 Aug 2025 17:34

Instrument :

MSVOA_W

ClientSampleId :

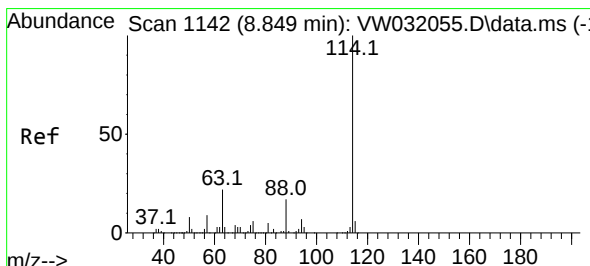
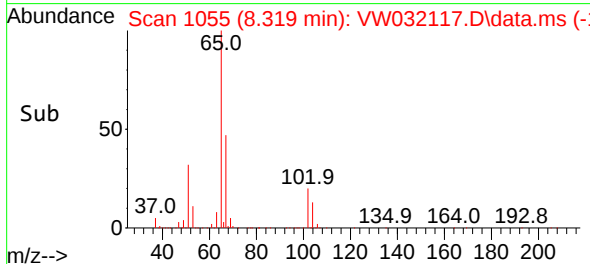
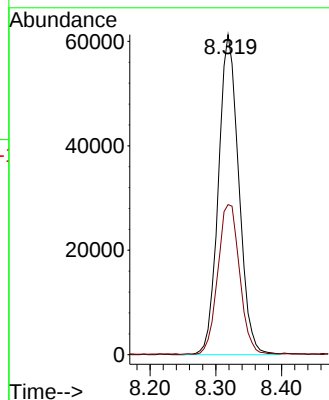
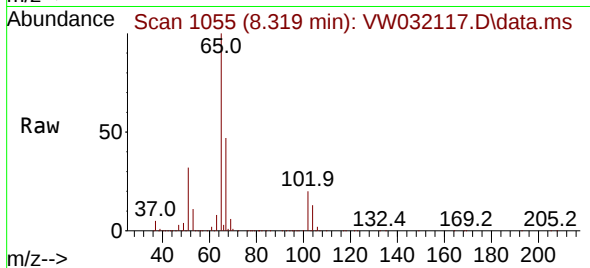
ARS20-0002-SOIL

Tgt Ion: 65 Resp: 132237

Ion Ratio Lower Upper

65 100

67 50.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032117.D

Acq: 22 Aug 2025 17:34

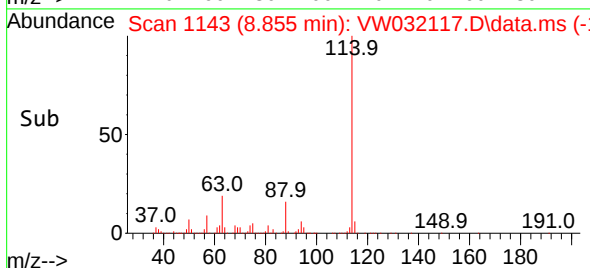
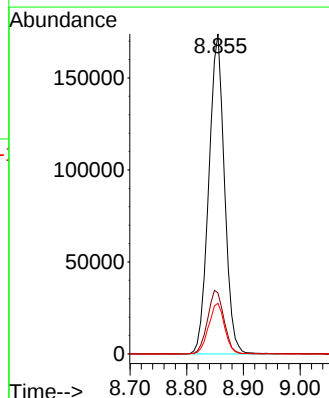
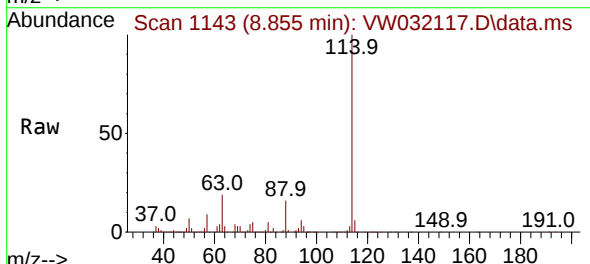
Tgt Ion: 114 Resp: 333919

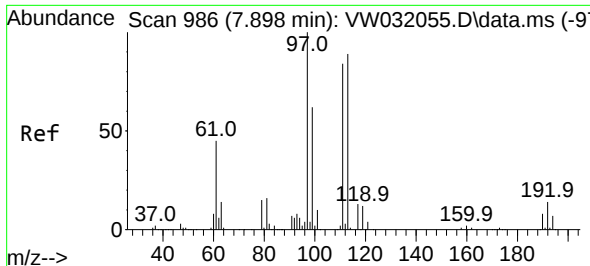
Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.0

88 15.8 0.0 33.8

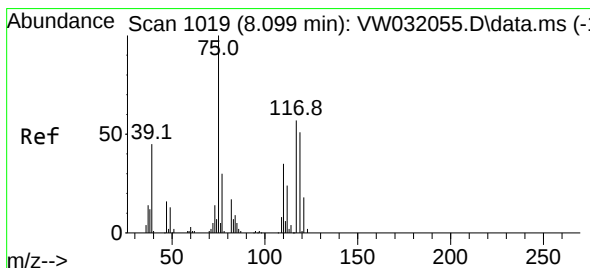
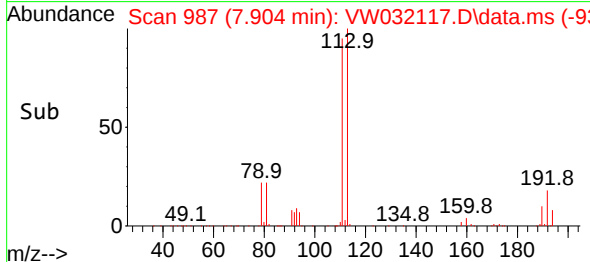
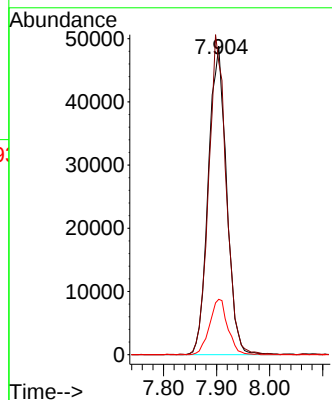
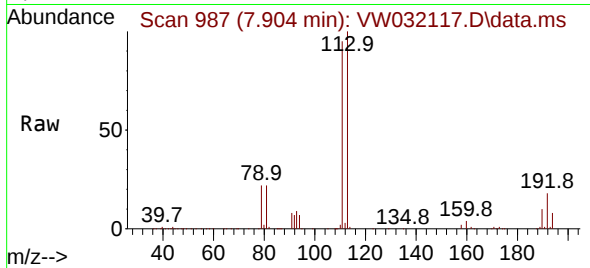




#35
 Dibromofluoromethane
 Concen: 54.230 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VW032117.D
 Acq: 22 Aug 2025 17:34

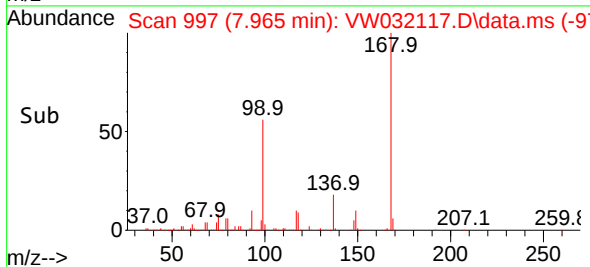
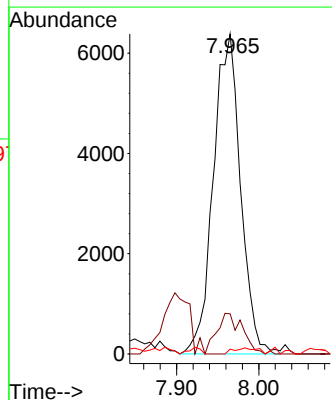
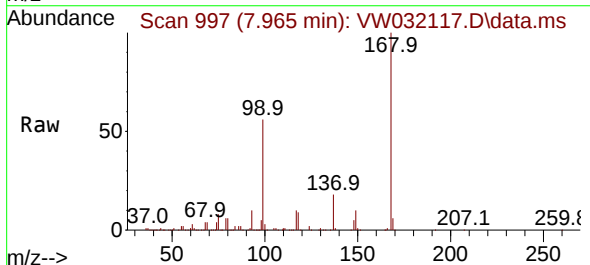
Instrument :
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 ARS20-0002-SOIL

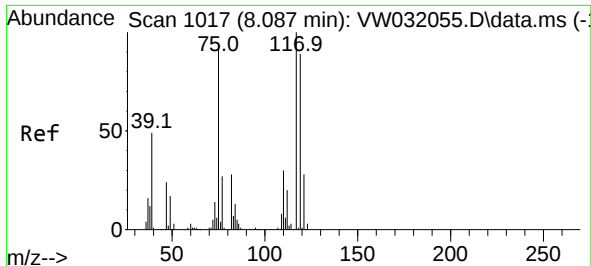
Tgt Ion:113 Resp: 116987
 Ion Ratio Lower Upper
 113 100
 111 100.0 80.1 120.1
 192 17.8 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 4.835 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.135 min
 Lab File: VW032117.D
 Acq: 22 Aug 2025 17:34

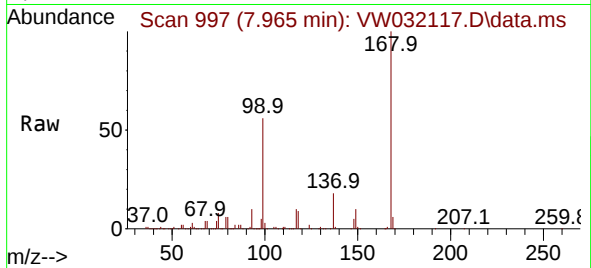
Tgt Ion: 75 Resp: 14703
 Ion Ratio Lower Upper
 75 100
 110 12.0 17.4 52.2#
 77 0.0 24.7 37.1#



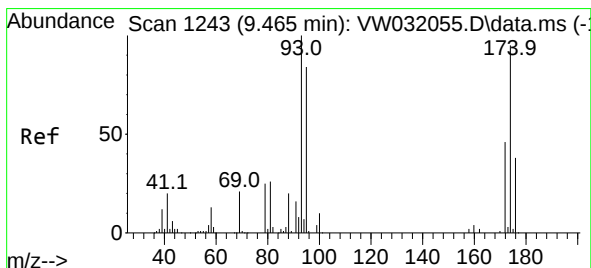
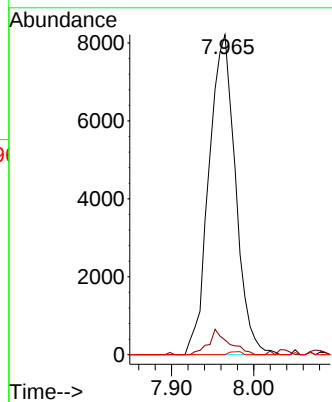
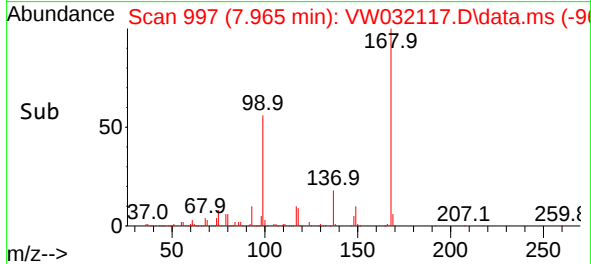


#38
Carbon Tetrachloride
Concen: 6.287 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

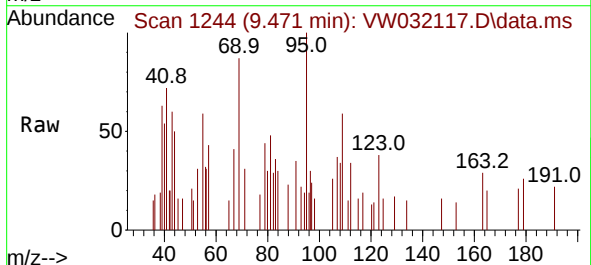
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0002-SOIL



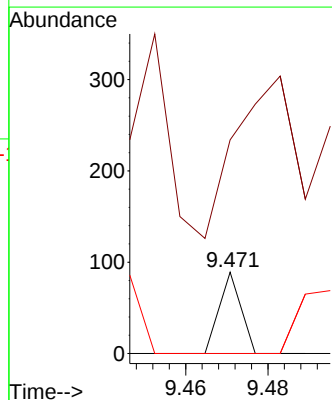
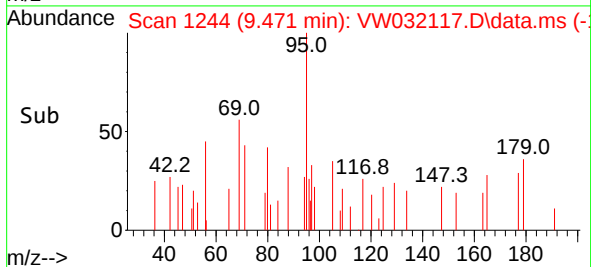
Tgt Ion:117 Resp: 18452
Ion Ratio Lower Upper
117 100
119 4.6 71.4 107.2#
121 0.0 22.3 33.5#

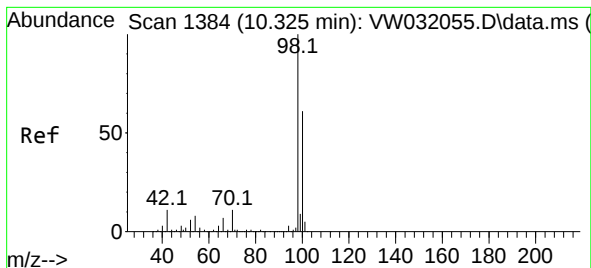


#49
1,4-Dioxane
Concen: 1.732 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.006 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34



Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 709.1 20.6 30.8#
58 0.0 60.4 90.6#

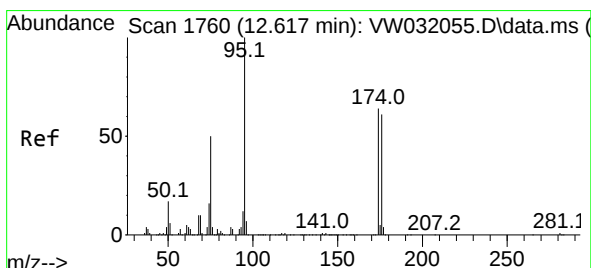
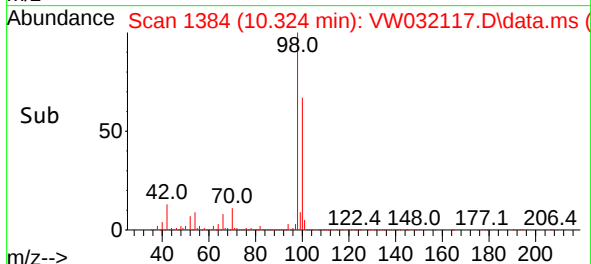
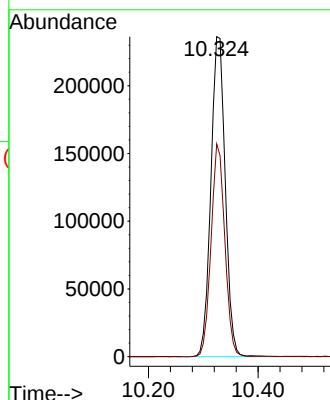
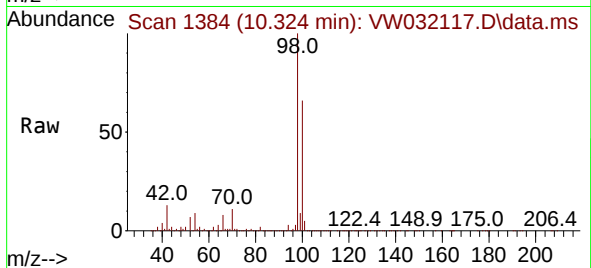




#50
Toluene-d8
Concen: 53.660 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

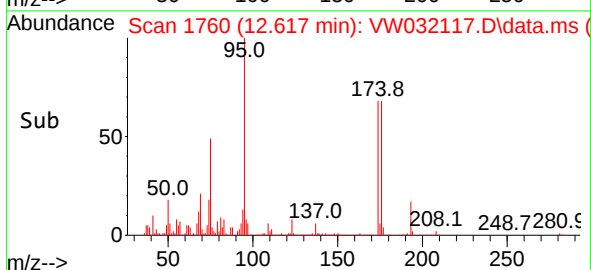
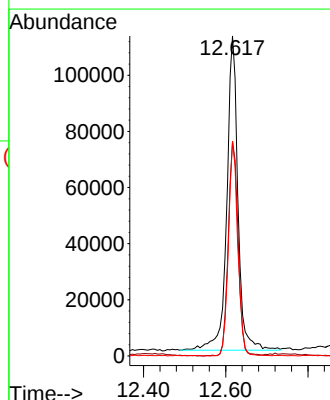
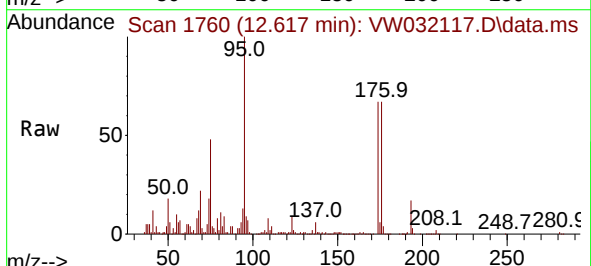
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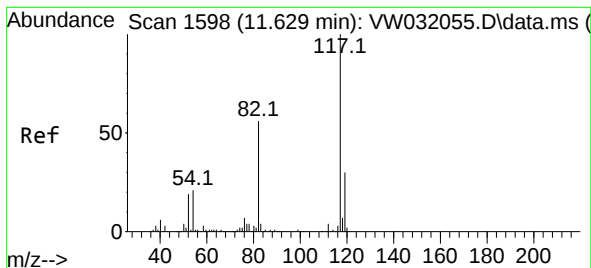
Tgt Ion: 98 Resp: 428152
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 71.828 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

Tgt Ion: 95 Resp: 211201
Ion Ratio Lower Upper
95 100
174 60.2 0.0 129.0
176 57.2 0.0 124.6

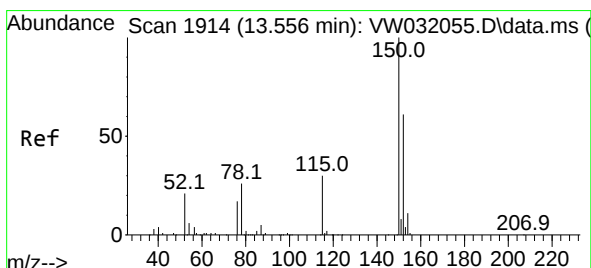
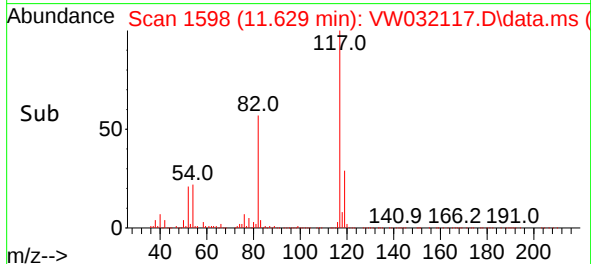
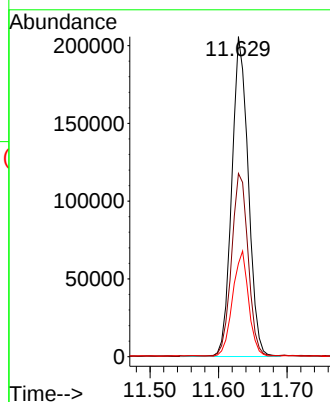
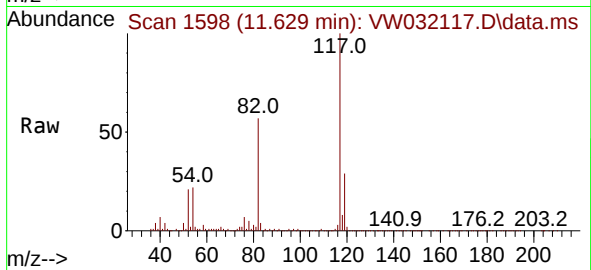




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.000 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

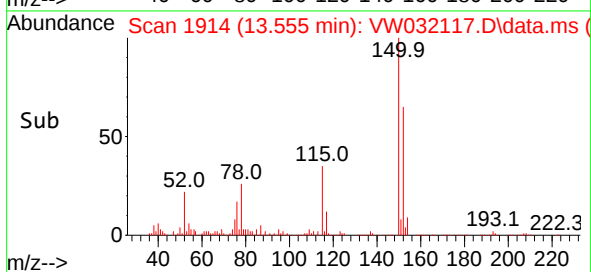
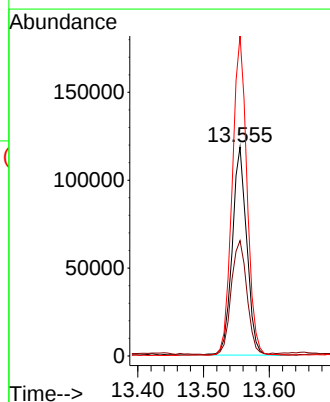
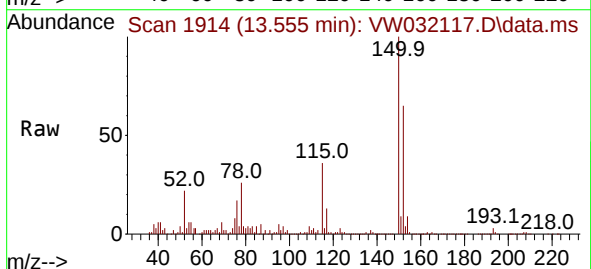
Instrument :
MSVOA_W
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ARS20-0002-SOIL

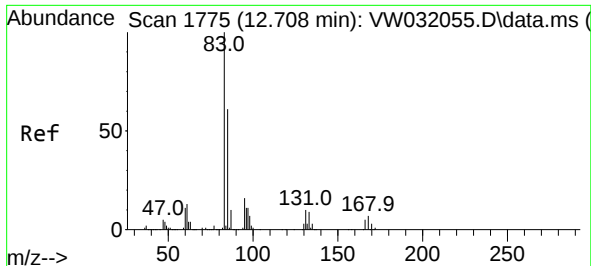
Tgt Ion:117 Resp: 342998
Ion Ratio Lower Upper
117 100
82 56.9 45.0 67.4
119 28.9 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

Tgt Ion:152 Resp: 182579
Ion Ratio Lower Upper
152 100
115 58.9 32.6 97.8
150 155.1 0.0 359.4

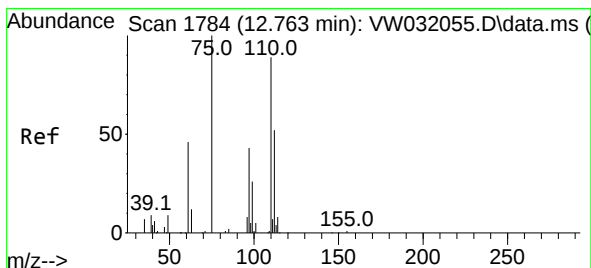
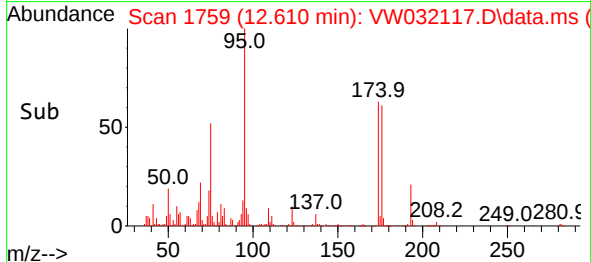
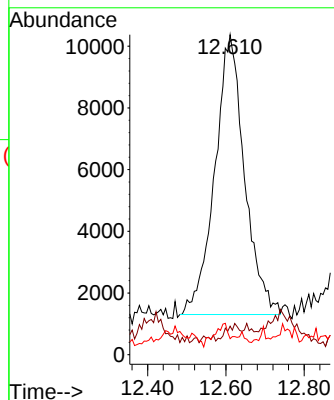
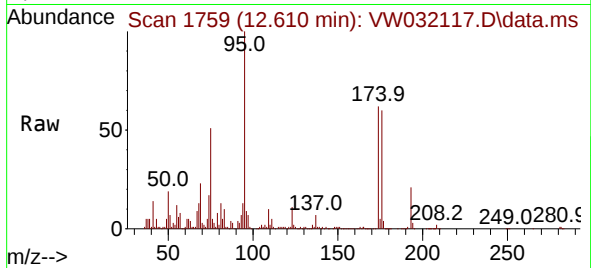




#75
1,1,2,2-Tetrachloroethane
Concen: 15.817 ug/l
RT: 12.610 min Scan# 1759
Delta R.T. -0.098 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

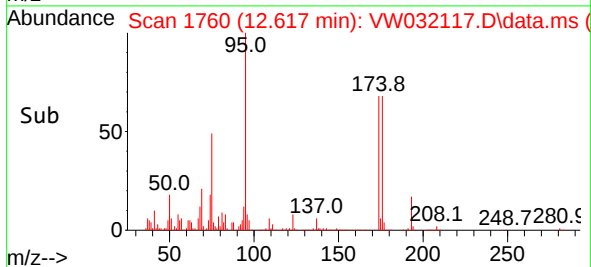
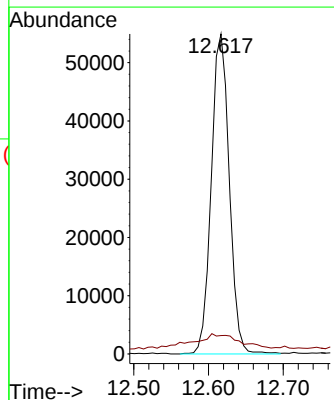
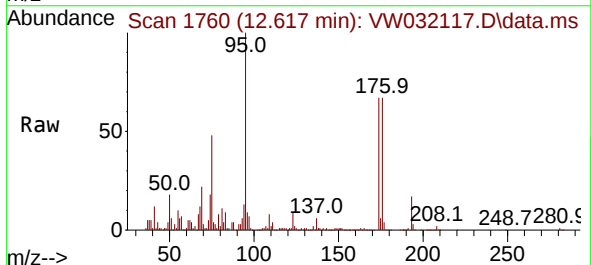
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0002-SOIL

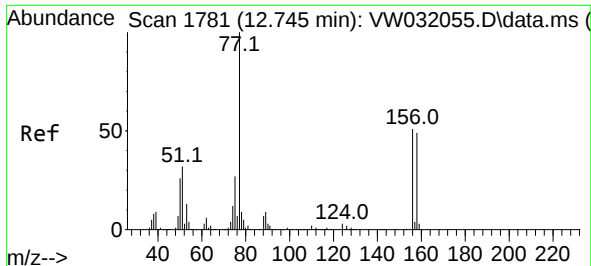
Tgt Ion: 83 Resp: 47919
Ion Ratio Lower Upper
83 100
131 2.9 5.1 15.4#
85 0.0 32.2 96.6#



#76
1,2,3-Trichloropropane
Concen: 37.096 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

Tgt Ion: 75 Resp: 91925
Ion Ratio Lower Upper
75 100
77 10.9 123.5 370.5#

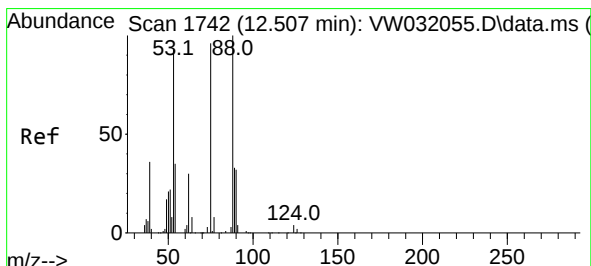
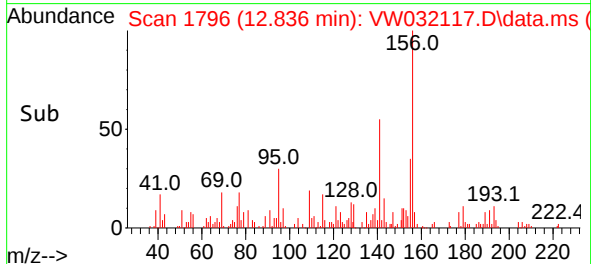
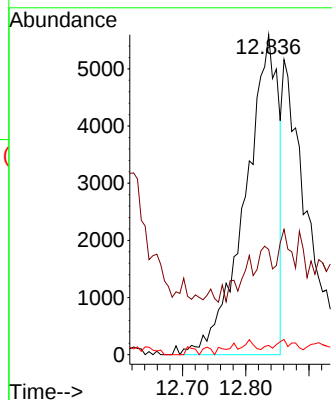
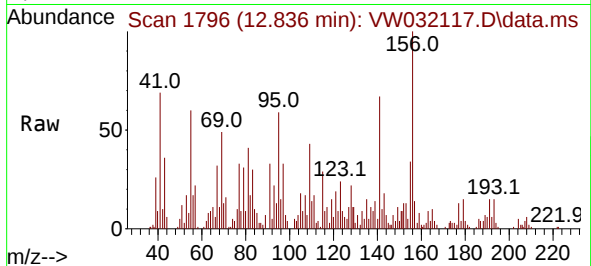




#77
Bromobenzene
Concen: 6.683 ug/l
RT: 12.836 min Scan# 1760
Delta R.T. 0.091 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

Instrument :
MSVOA_W
ClientSampleId :
ARS20-0002-SOIL

Tgt Ion:156 Resp: 20366
Ion Ratio Lower Upper
156 100
77 2.9 108.7 326.3#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.038 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.109 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

Tgt Ion: 75 Resp: 91925
Ion Ratio Lower Upper
75 100
53 15.6 81.0 121.6#
89 0.1 37.3 55.9#

