

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031845.D
 Acq On : 14 Jul 2025 13:07
 Operator : SY/MD
 Sample : Q2592-01
 Misc : 6.94g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-SOIL-20250711

Quant Time: Jul 15 02:44:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

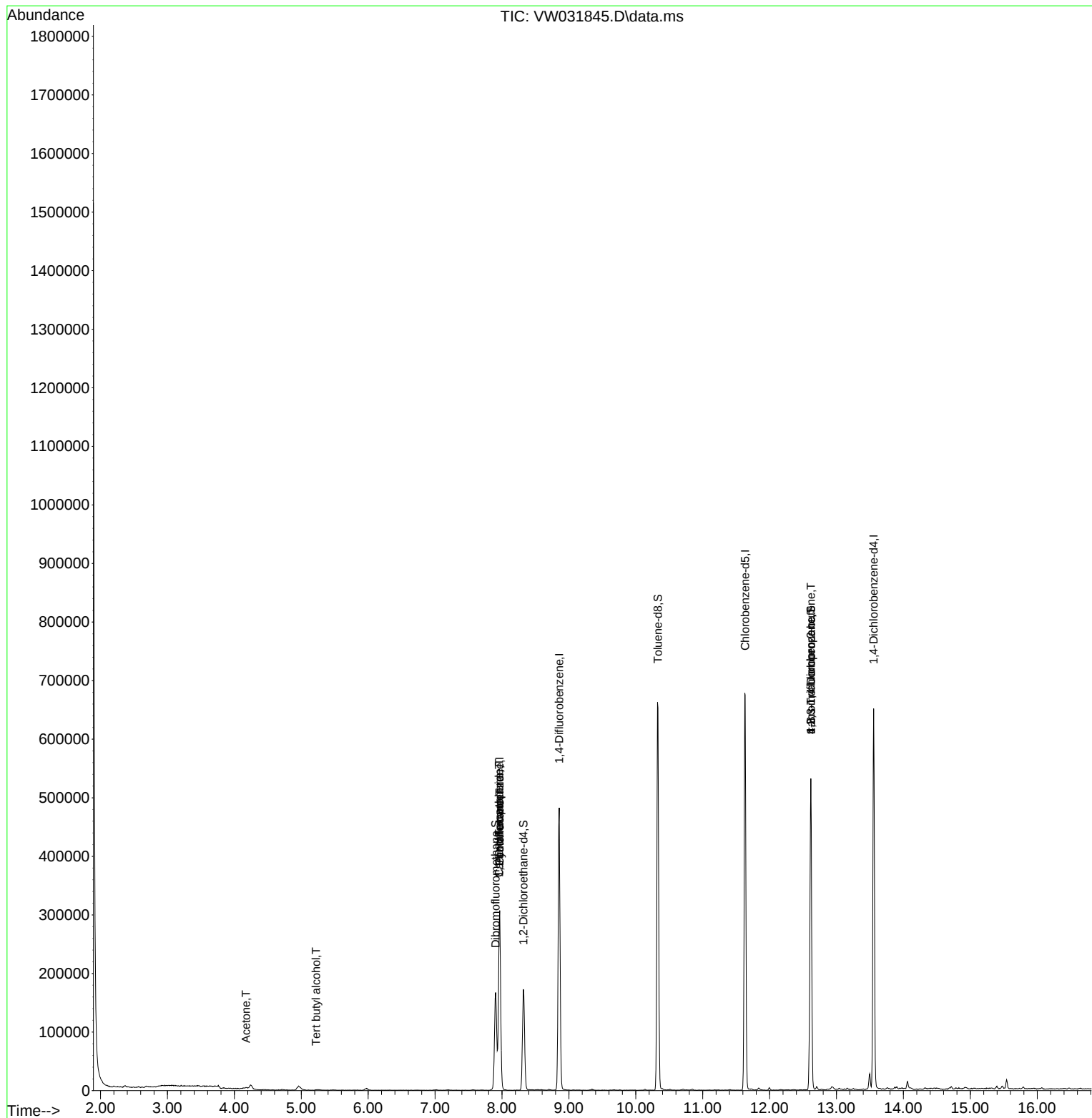
Internal Standards						
1) Pentafluorobenzene	7.965	168	205400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	386707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	368231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	145728	49.438	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	98.880%	
35) Dibromofluoromethane	7.904	113	122669	48.612	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	97.220%	
50) Toluene-d8	10.331	98	445707	47.463	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	94.920%	
62) 4-Bromofluorobenzene	12.617	95	178085	51.532	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	103.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	637	3.488	ug/l #	78
16) Acetone	4.173	43	3328	4.568	ug/l	94
20) Methylene Chloride	4.960	84	6667	Below Cal		92
31) Cyclohexane	7.965	56	5503	1.311	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	18666	5.112	ug/l #	50
38) Carbon Tetrachloride	7.959	117	22507	6.049	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	95360	44.974	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	95360	104.752	ug/l #	8

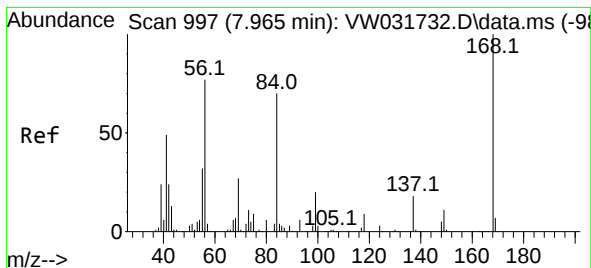
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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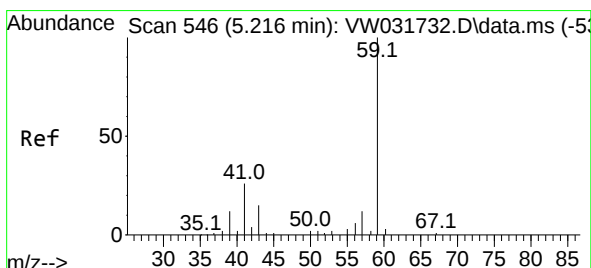
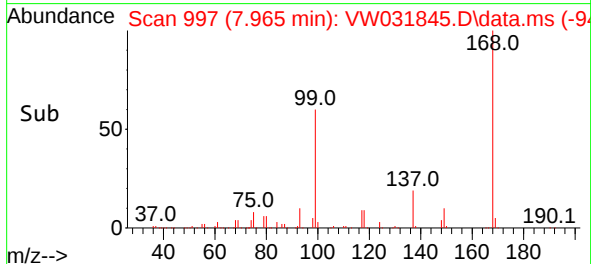
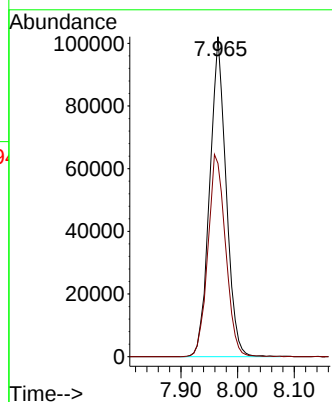
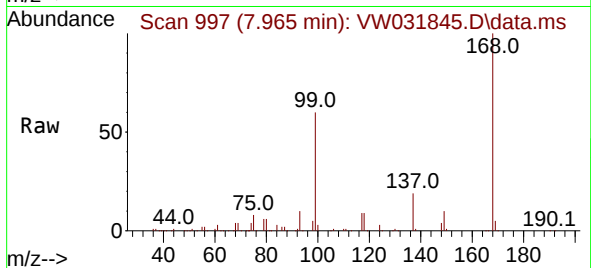




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

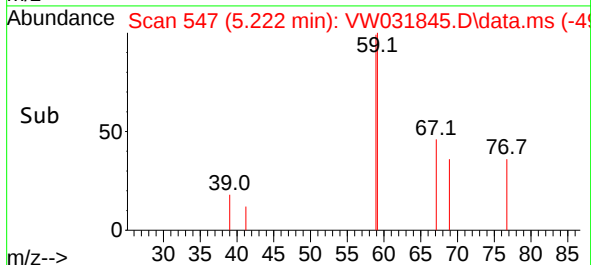
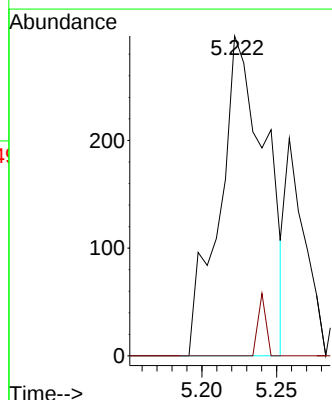
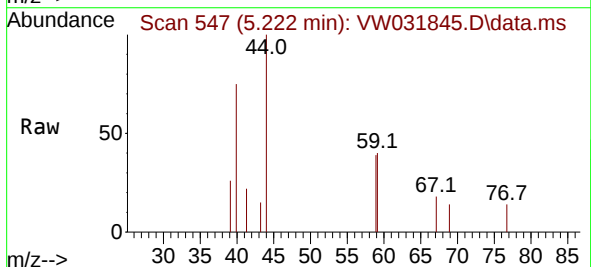
Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

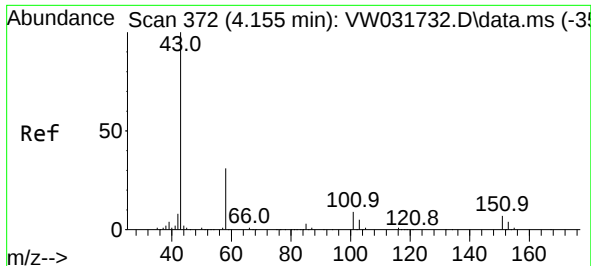
Tgt Ion:168 Resp: 205400
Ion Ratio Lower Upper
168 100
99 60.4 49.4 74.2



#11
Tert butyl alcohol
Concen: 3.488 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

Tgt Ion: 59 Resp: 637
Ion Ratio Lower Upper
59 100
57 3.3 9.5 14.3#

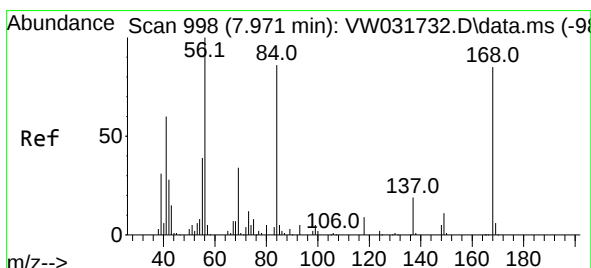
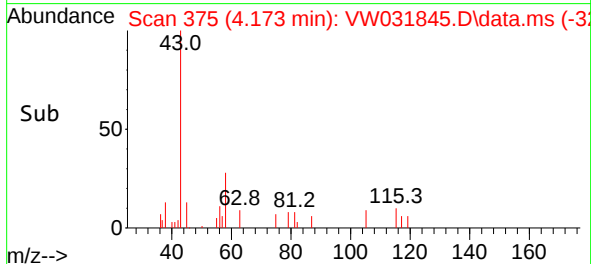
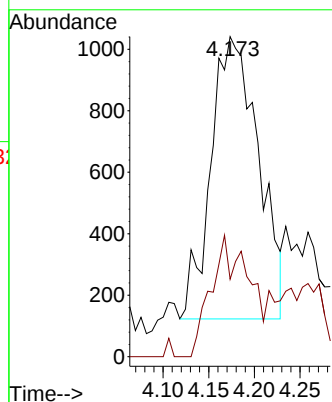
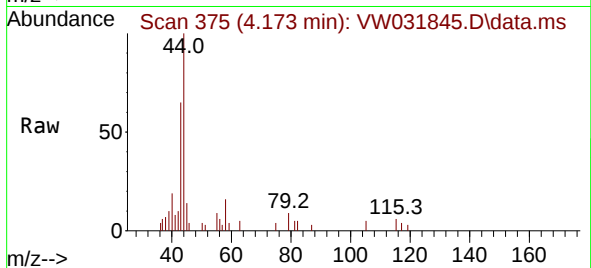




#16
Acetone
Concen: 4.568 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.019 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

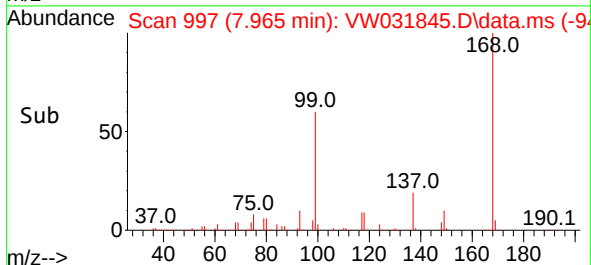
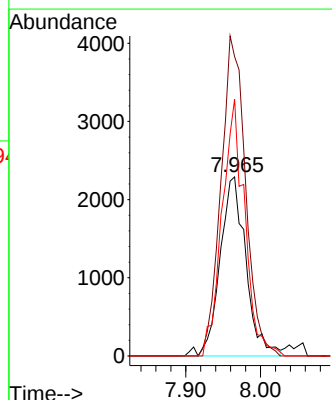
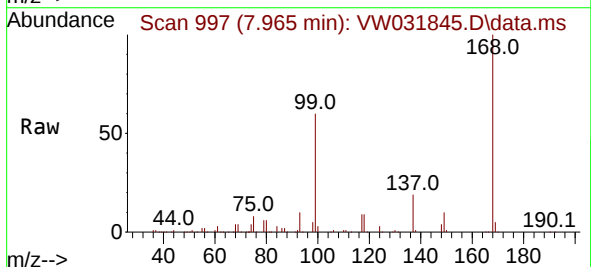
Instrument :
MSVOA_W
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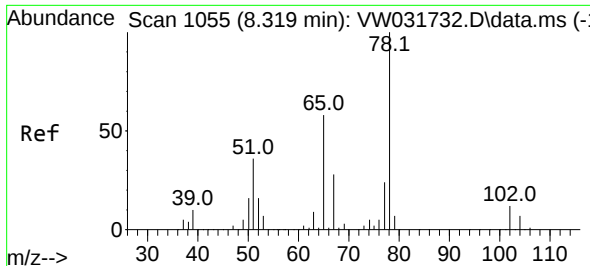
Tgt Ion: 43 Resp: 3328
Ion Ratio Lower Upper
43 100
58 27.5 24.8 37.2



#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

Tgt Ion: 56 Resp: 5503
Ion Ratio Lower Upper
56 100
69 167.3 27.2 40.8#
84 143.5 68.5 102.7#

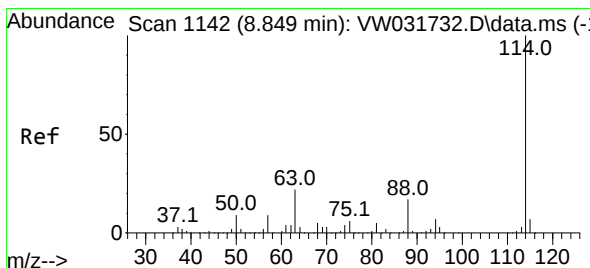
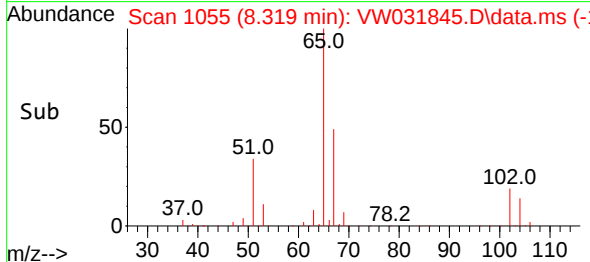
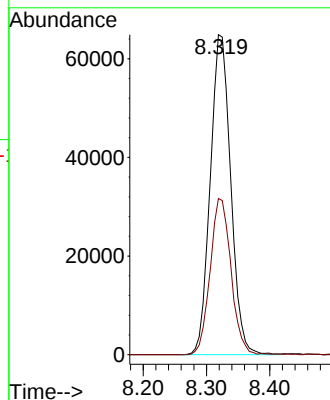
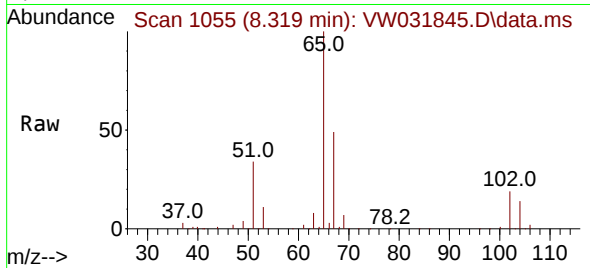




#33
 1,2-Dichloroethane-d4
 Concen: 49.438 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031845.D
 Acq: 14 Jul 2025 13:07

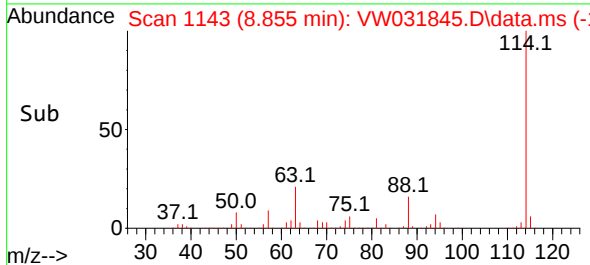
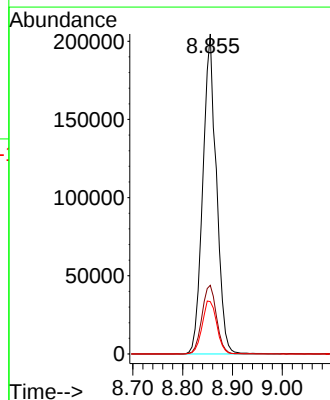
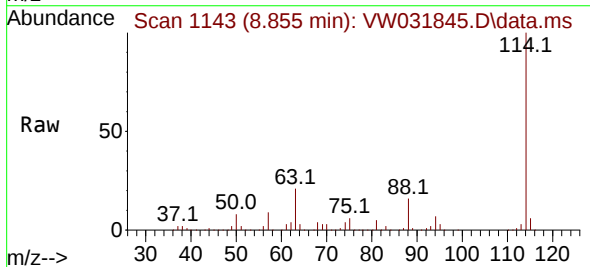
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-SOIL-20250711

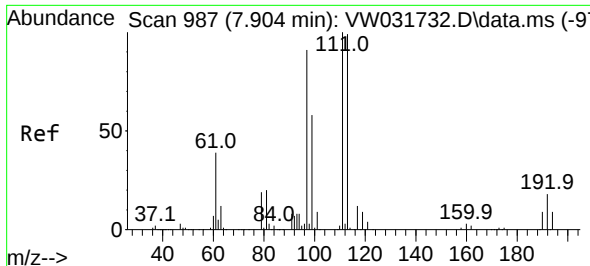
Tgt Ion: 65 Resp: 145728
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031845.D
 Acq: 14 Jul 2025 13:07

Tgt Ion: 114 Resp: 386707
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.6
 88 16.3 0.0 34.2

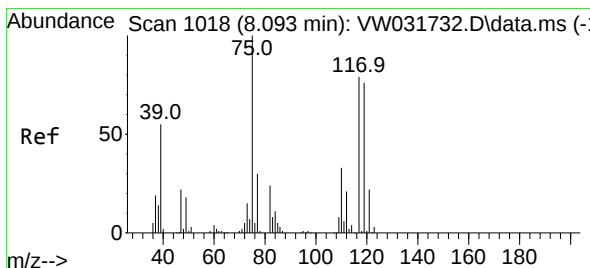
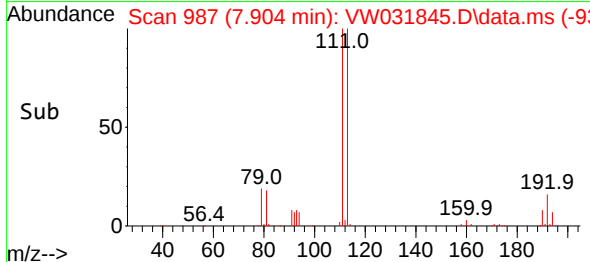
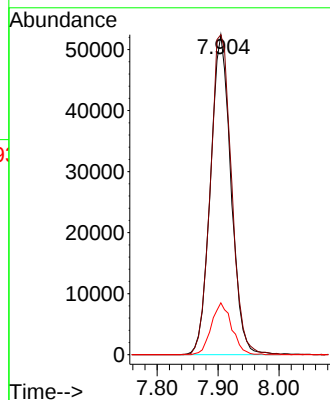
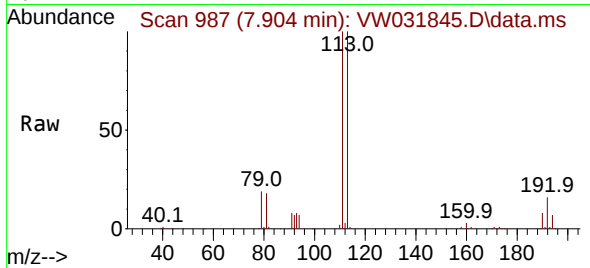




#35
 Dibromofluoromethane
 Concen: 48.612 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VW031845.D
 Acq: 14 Jul 2025 13:07

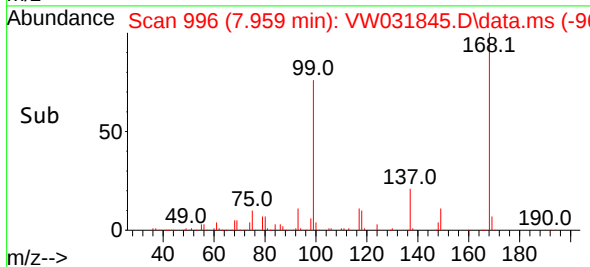
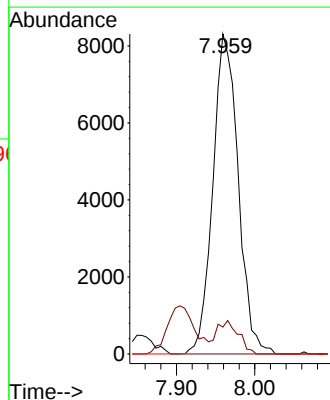
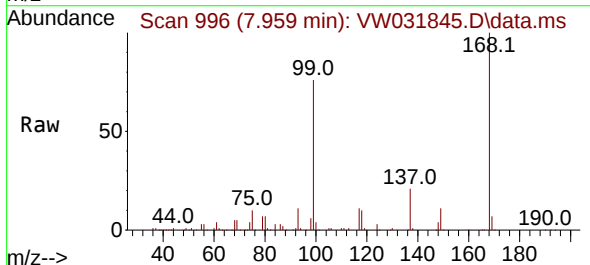
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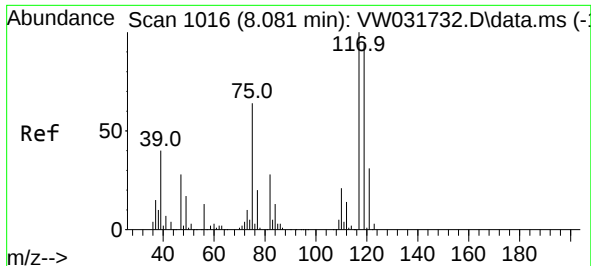
Tgt Ion:	113	Resp:	122669
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.1	123.1
192	16.1	13.8	20.6



#36
 1,1-Dichloropropene
 Concen: 5.112 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW031845.D
 Acq: 14 Jul 2025 13:07

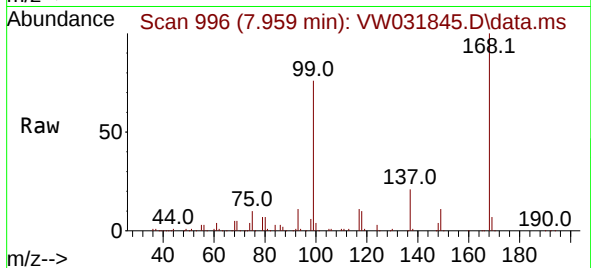
Tgt Ion:	75	Resp:	18666
Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.8	50.4#
77	0.0	25.0	37.6#



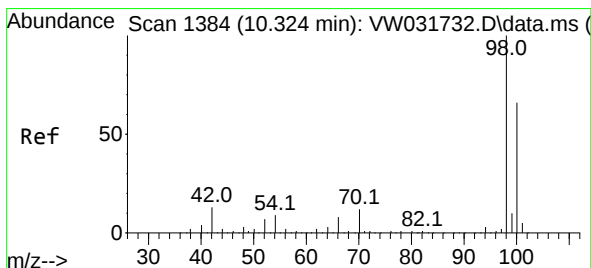
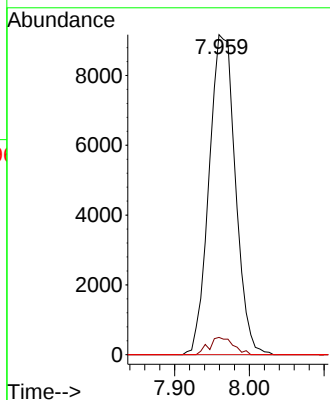
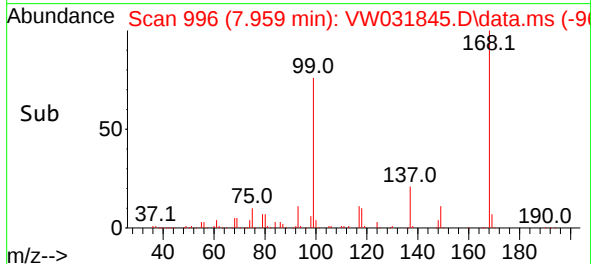


#38
Carbon Tetrachloride
Concen: 6.049 ug/l
RT: 7.959 min Scan# 91
Delta R.T. -0.122 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

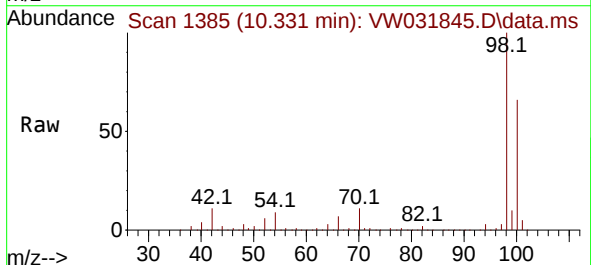
Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711



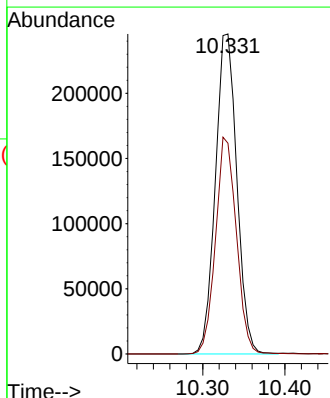
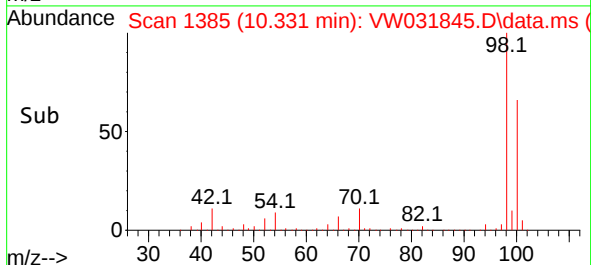
Tgt Ion:117 Resp: 22507
Ion Ratio Lower Upper
117 100
119 5.4 75.0 112.6#
121 0.0 24.6 37.0#

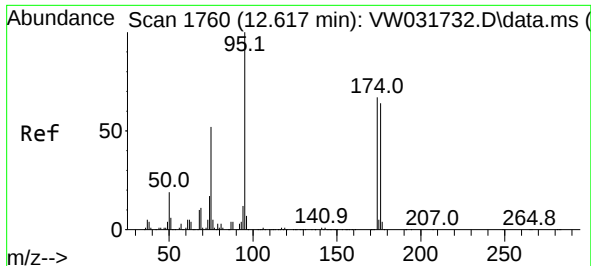


#50
Toluene-d8
Concen: 47.463 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07



Tgt Ion: 98 Resp: 445707
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

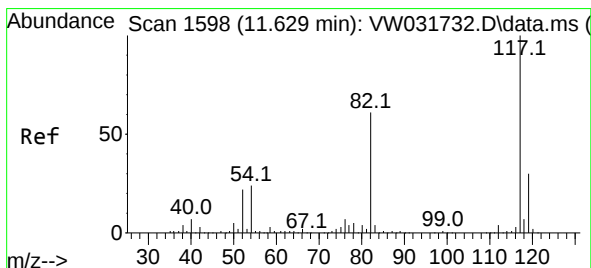
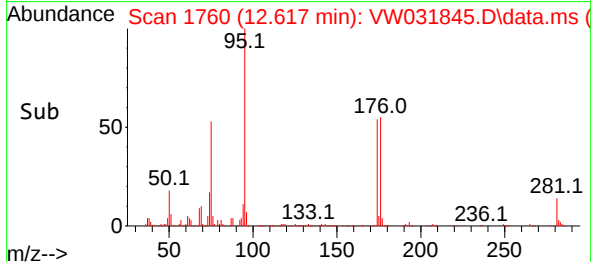
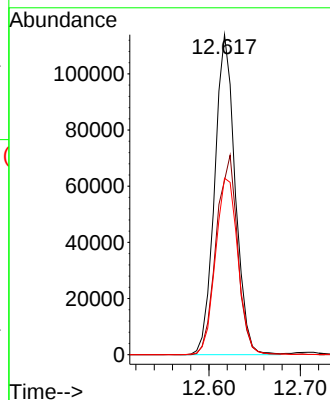
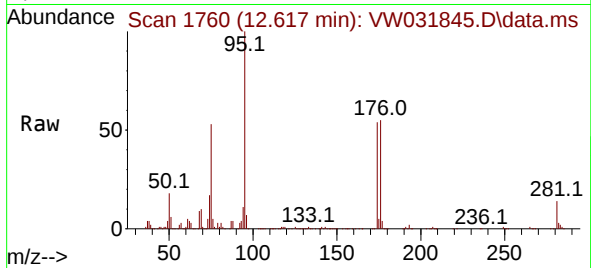




#62
4-Bromofluorobenzene
Concen: 51.532 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

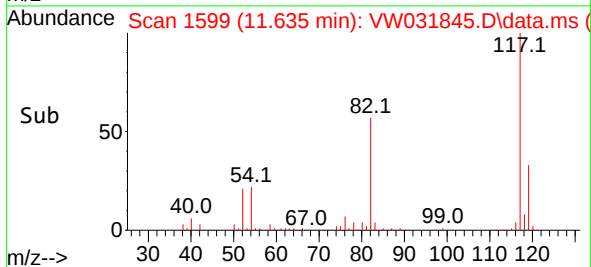
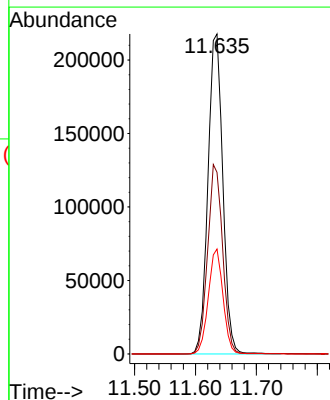
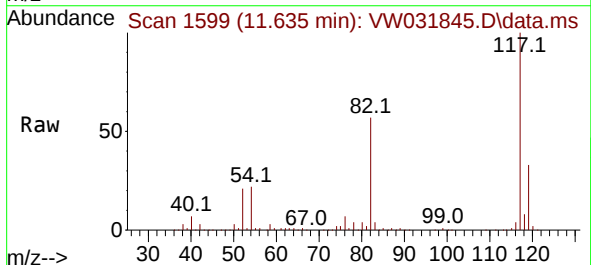
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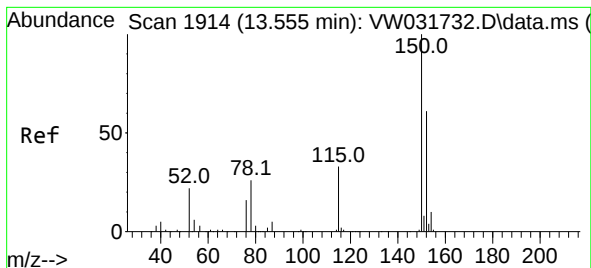
Tgt Ion: 95 Resp: 178085
Ion Ratio Lower Upper
95 100
174 65.0 0.0 133.8
176 60.7 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

Tgt Ion: 117 Resp: 368231
Ion Ratio Lower Upper
117 100
82 56.8 48.6 72.8
119 32.8 23.9 35.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031845.D

Acq: 14 Jul 2025 13:07

Instrument :

MSVOA_W

ClientSampleId :

WC-SOIL-20250711

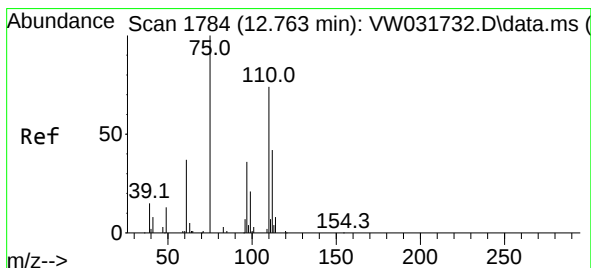
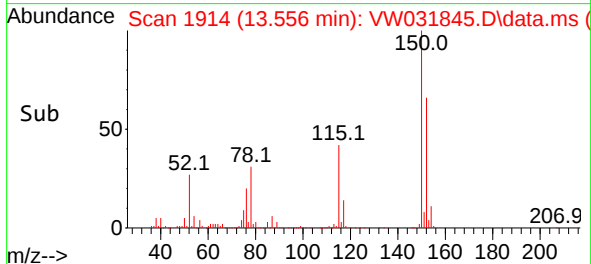
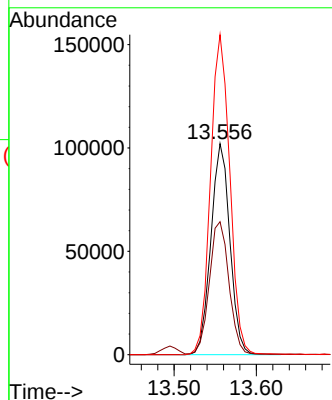
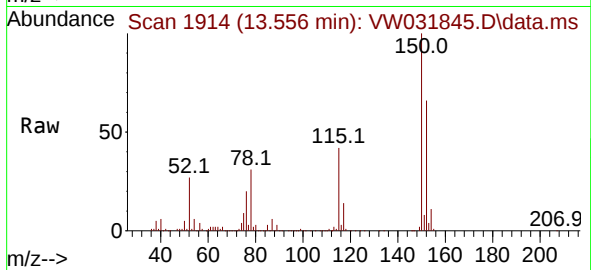
Tgt Ion:152 Resp: 164076

Ion Ratio Lower Upper

152 100

115 65.2 31.9 95.7

150 153.9 0.0 356.4



#76

1,2,3-Trichloropropane

Concen: 44.974 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW031845.D

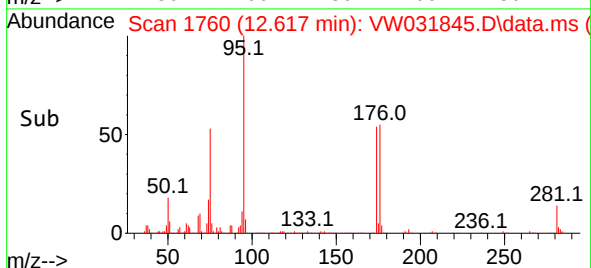
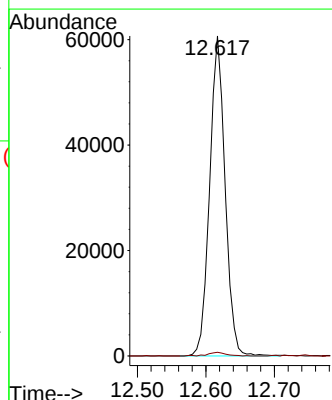
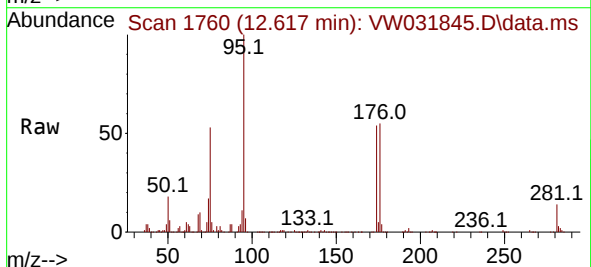
Acq: 14 Jul 2025 13:07

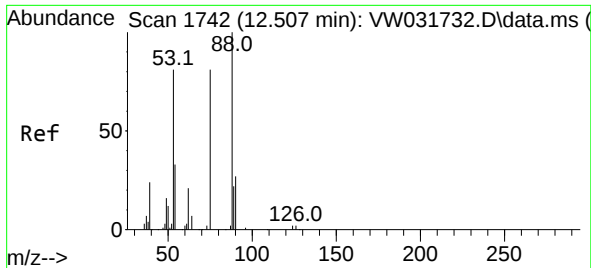
Tgt Ion: 75 Resp: 95360

Ion Ratio Lower Upper

75 100

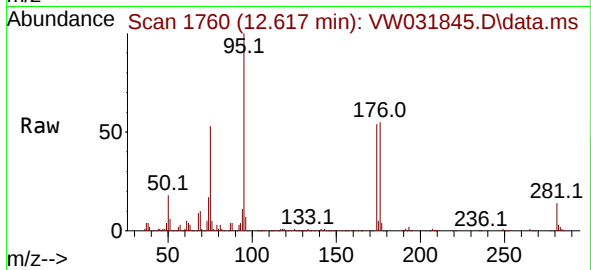
77 1.3 141.2 423.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.752 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW031845.D
 Acq: 14 Jul 2025 13:07

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-SOIL-20250711



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	83.5	125.3#
89	0.0	38.3	57.5#

