

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032121.D
 Acq On : 22 Aug 2025 19:02
 Operator : SY/MD
 Sample : Q2941-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP(1-2)

Quant Time: Aug 25 04:01:57 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)

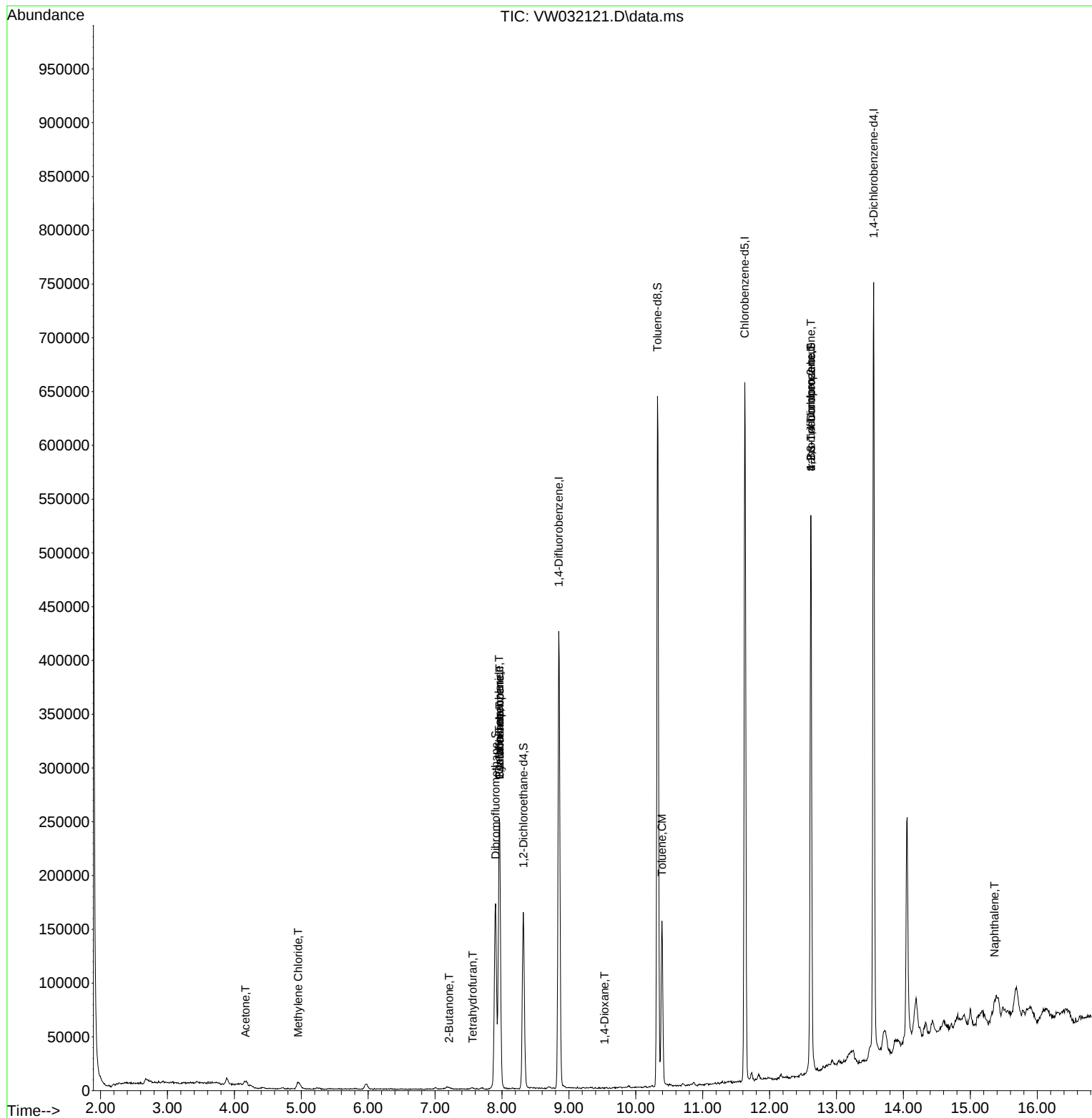
Internal Standards						
1) Pentafluorobenzene	7.965	168	179471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	349264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	349840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	177790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133163	51.302	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 102.600%		
35) Dibromofluoromethane	7.904	113	119487	52.955	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 105.920%		
50) Toluene-d8	10.324	98	422427	50.616	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 101.240%		
62) 4-Bromofluorobenzene	12.617	95	169750	55.194	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 110.380%		
Target Compounds						
					Qvalue	
16) Acetone	4.167	43	6495	10.808	ug/l	96
20) Methylene Chloride	4.953	84	5833	2.099	ug/l #	92
25) 2-Butanone	7.209	43	1874	2.194	ug/l	92
29) Tetrahydrofuran	7.563	42	881	1.564	ug/l #	76
31) Cyclohexane	7.965	56	4762	1.287	ug/l #	12
36) 1,1-Dichloropropene	7.965	75	15059	4.734	ug/l #	51
38) Carbon Tetrachloride	7.959	117	19754	6.435	ug/l #	18
49) 1,4-Dioxane	9.532	88	53	2.659	ug/l #	1
52) Toluene	10.391	92	66925	10.746	ug/l	98
76) 1,2,3-Trichloropropane	12.617	75	90474	37.494	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	90474	97.068	ug/l #	9
95) Naphthalene	15.360	128	10384	1.324	ug/l #	82

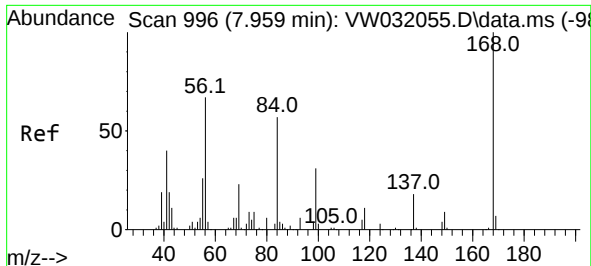
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

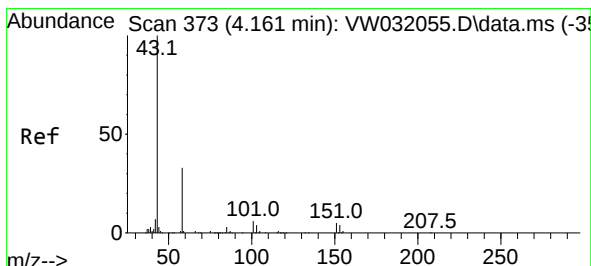
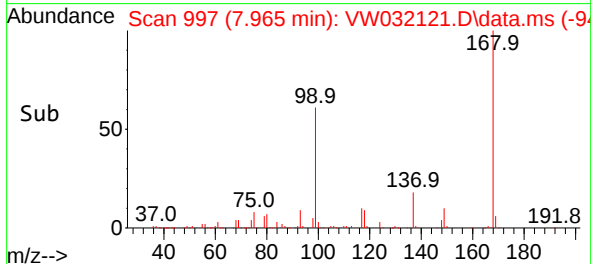
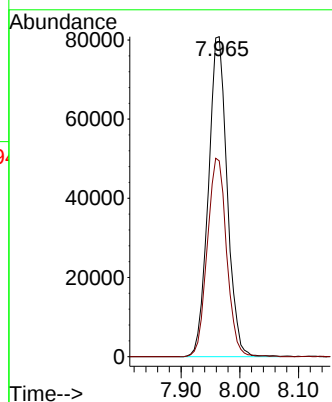
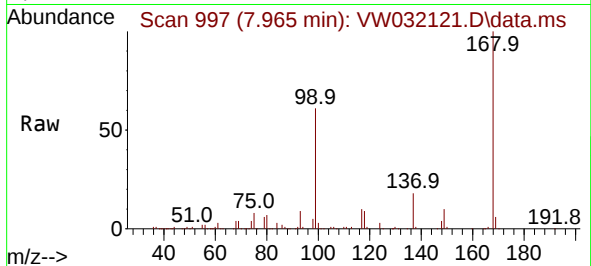




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

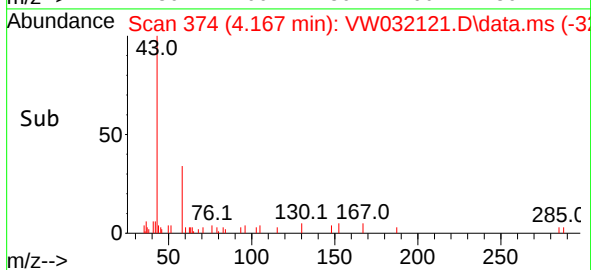
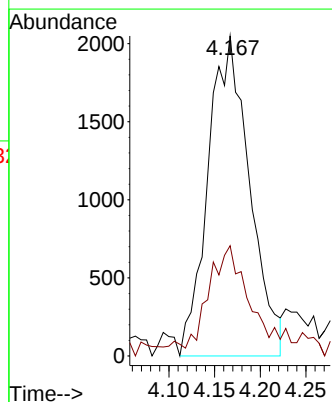
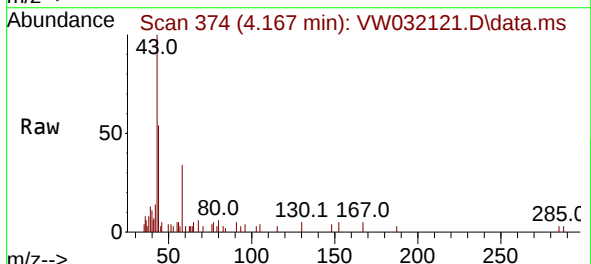
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP(1-2)

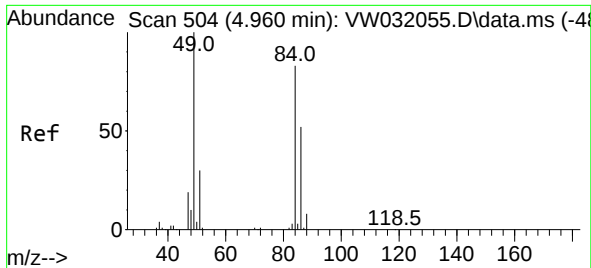
Tgt Ion:168 Resp: 179471
Ion Ratio Lower Upper
168 100
99 61.2 56.0 84.0



#16
Acetone
Concen: 10.808 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

Tgt Ion: 43 Resp: 6495
Ion Ratio Lower Upper
43 100
58 30.8 26.6 39.8

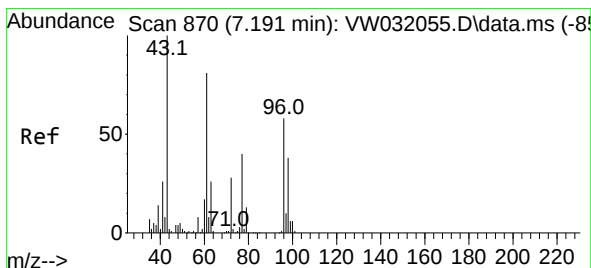
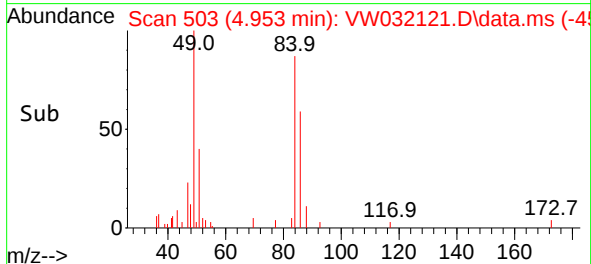
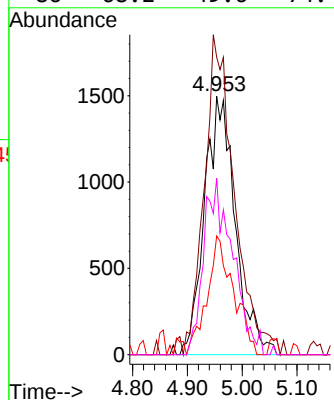
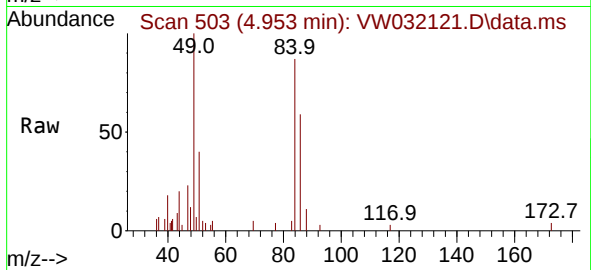




#20
Methylene Chloride
Concen: 2.099 ug/l
RT: 4.953 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

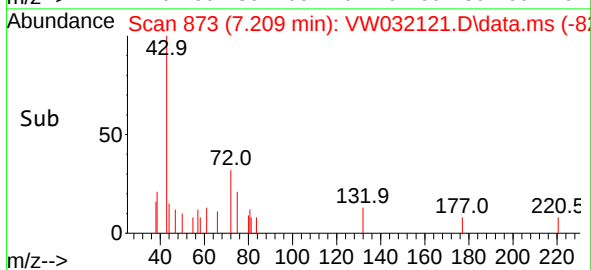
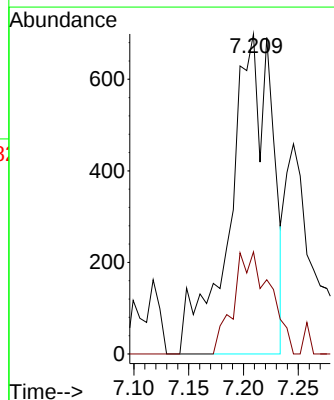
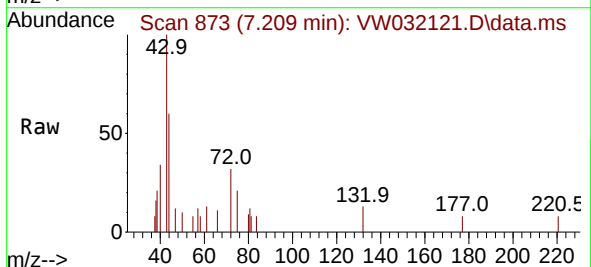
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP(1-2)

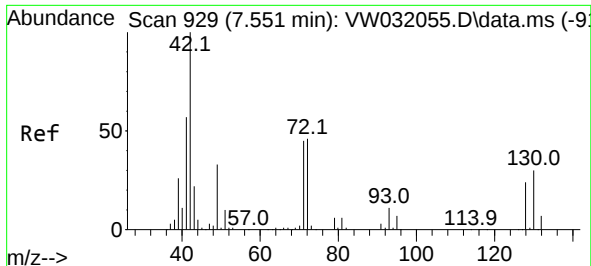
Tgt Ion:	84	Resp:	5833
Ion	Ratio	Lower	Upper
84	100		
49	115.1	95.9	143.9
51	46.0	28.6	43.0#
86	68.2	49.6	74.4



#25
2-Butanone
Concen: 2.194 ug/l
RT: 7.209 min Scan# 873
Delta R.T. 0.018 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

Tgt Ion:	43	Resp:	1874
Ion	Ratio	Lower	Upper
43	100		
72	31.9	22.3	33.5





#29

Tetrahydrofuran

Concen: 1.564 ug/l

RT: 7.563 min Scan# 91

Delta R.T. 0.012 min

Lab File: VW032121.D

Acq: 22 Aug 2025 19:02

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP(1-2)

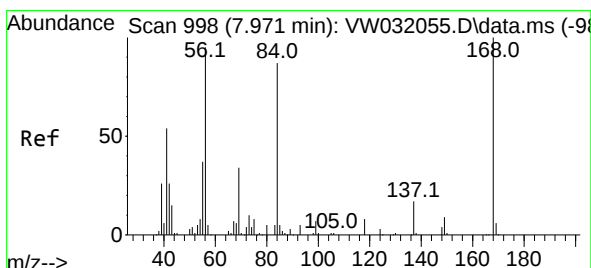
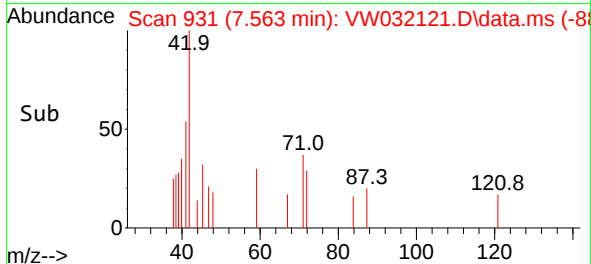
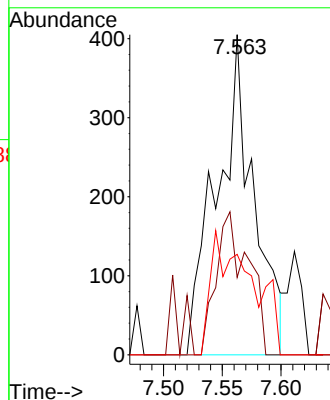
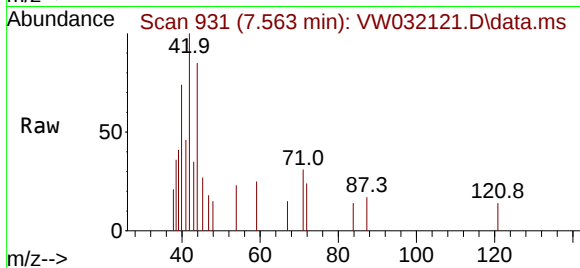
Tgt Ion: 42 Resp: 881

Ion Ratio Lower Upper

42 100

72 38.9 36.6 55.0

71 18.8 34.7 52.1#



#31

Cyclohexane

Concen: 1.287 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW032121.D

Acq: 22 Aug 2025 19:02

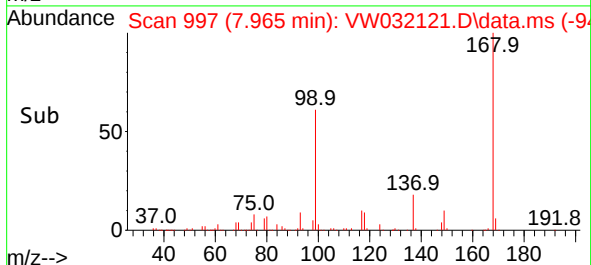
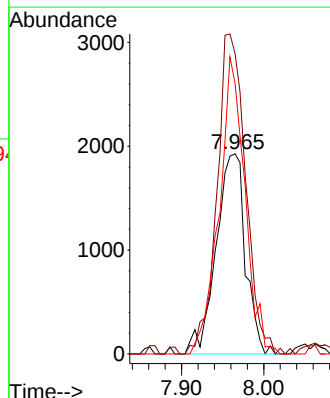
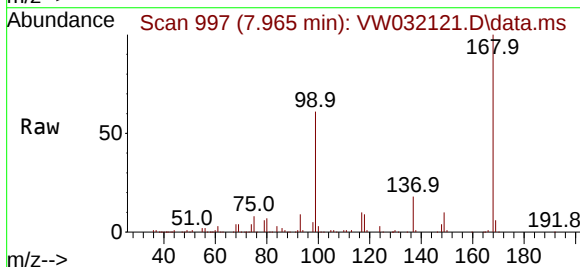
Tgt Ion: 56 Resp: 4762

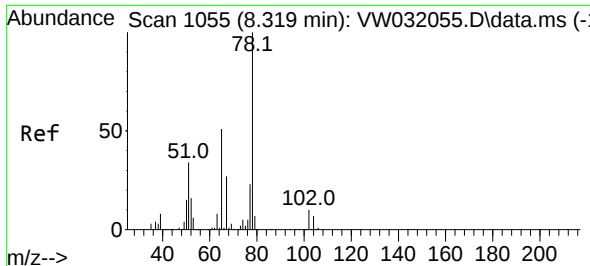
Ion Ratio Lower Upper

56 100

69 149.9 28.6 42.8#

84 135.2 73.0 109.4#

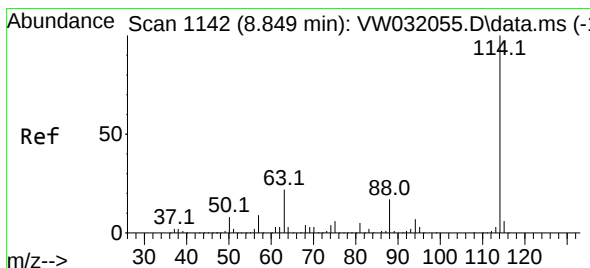
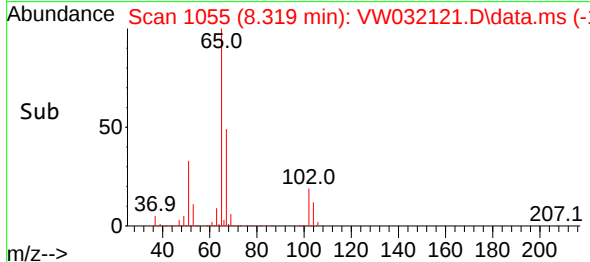
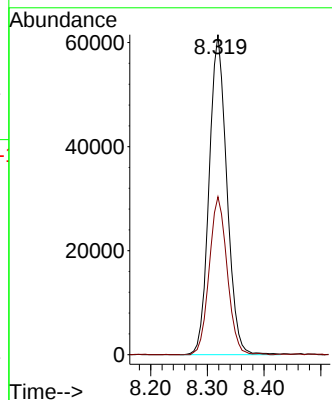
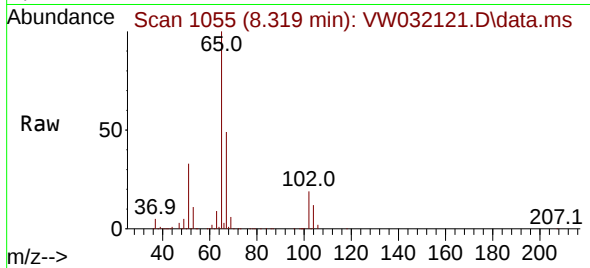




#33
 1,2-Dichloroethane-d4
 Concen: 51.302 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032121.D
 Acq: 22 Aug 2025 19:02

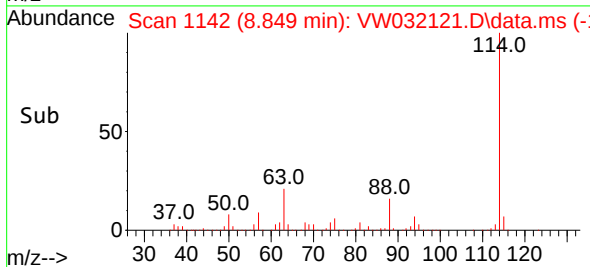
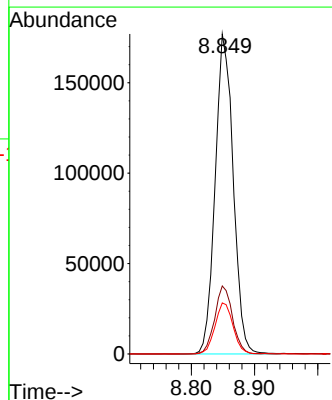
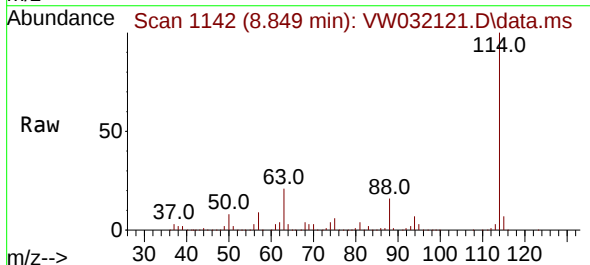
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP(1-2)

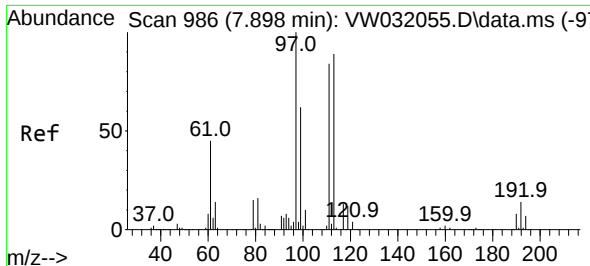
Tgt Ion: 65 Resp: 133163
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032121.D
 Acq: 22 Aug 2025 19:02

Tgt Ion: 114 Resp: 349264
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 15.9 0.0 33.8

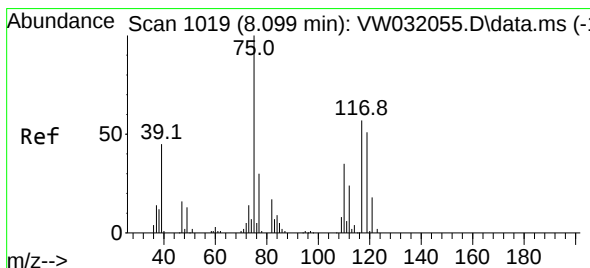
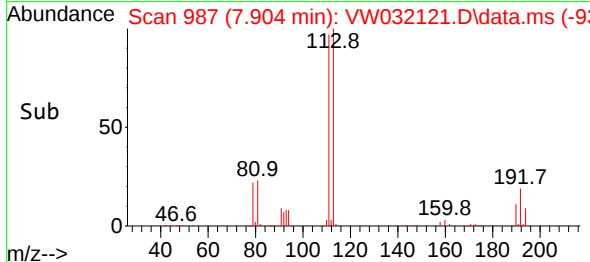
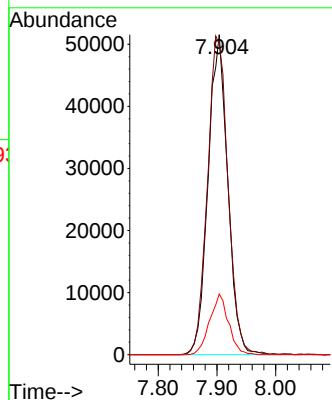
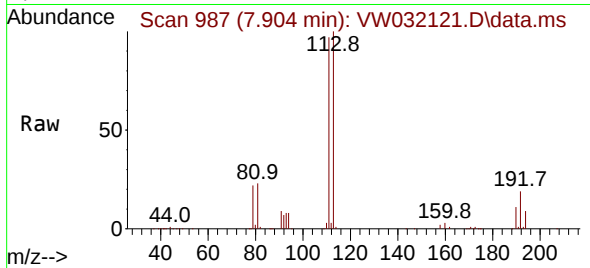




#35
 Dibromofluoromethane
 Concen: 52.955 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VW032121.D
 Acq: 22 Aug 2025 19:02

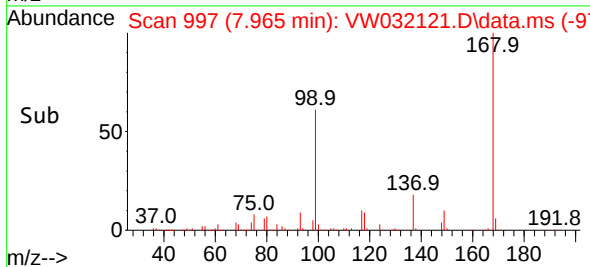
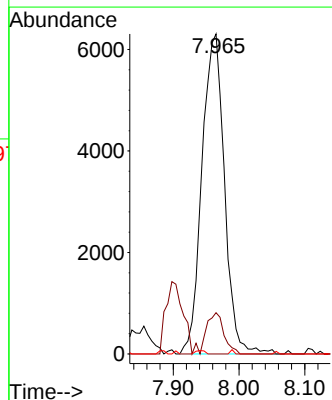
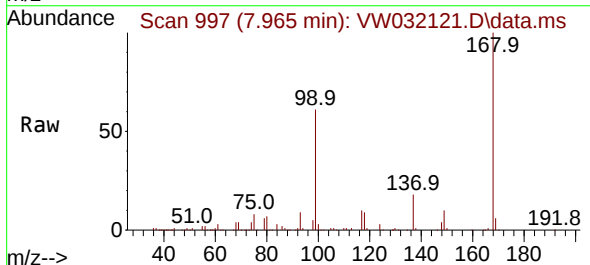
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP(1-2)

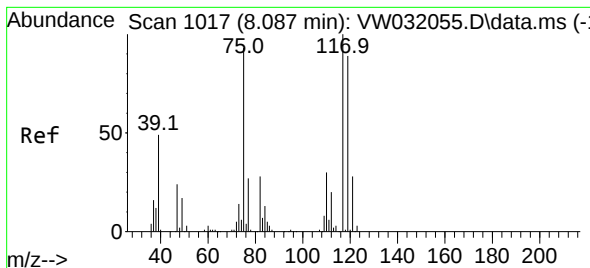
Tgt Ion:113 Resp: 119487
 Ion Ratio Lower Upper
 113 100
 111 104.3 80.1 120.1
 192 18.2 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032121.D
 Acq: 22 Aug 2025 19:02

Tgt Ion: 75 Resp: 15059
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.4 52.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.435 ug/l

RT: 7.959 min Scan# 91

Delta R.T. -0.128 min

Lab File: VW032121.D

Acq: 22 Aug 2025 19:02

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP(1-2)

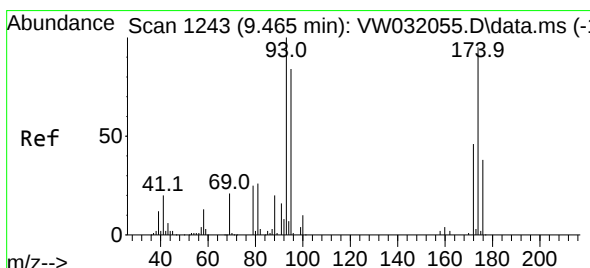
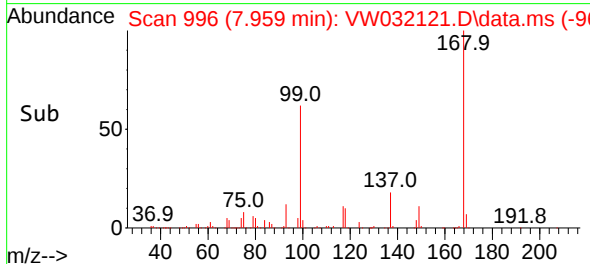
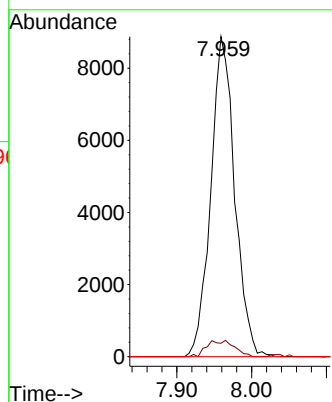
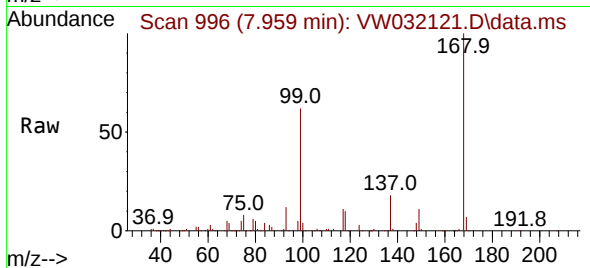
Tgt Ion:117 Resp: 19754

Ion Ratio Lower Upper

117 100

119 4.2 71.4 107.2#

121 0.0 22.3 33.5#



#49

1,4-Dioxane

Concen: 2.659 ug/l

RT: 9.532 min Scan# 1254

Delta R.T. 0.067 min

Lab File: VW032121.D

Acq: 22 Aug 2025 19:02

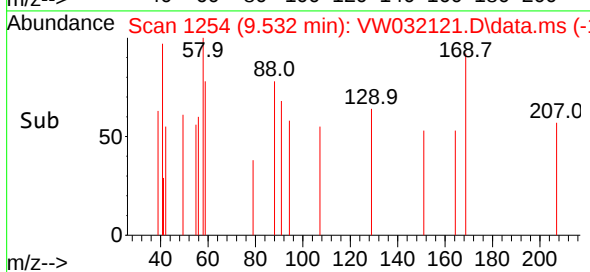
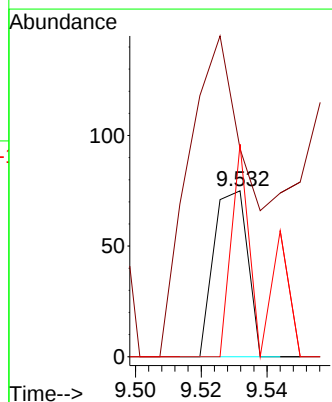
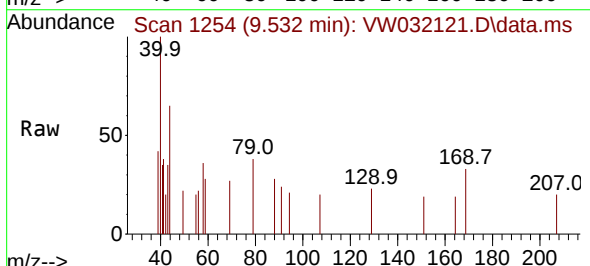
Tgt Ion: 88 Resp: 53

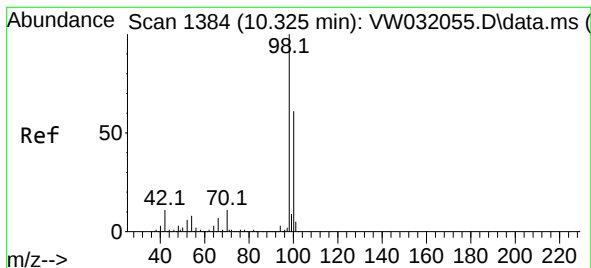
Ion Ratio Lower Upper

88 100

43 339.6 20.6 30.8#

58 105.7 60.4 90.6#

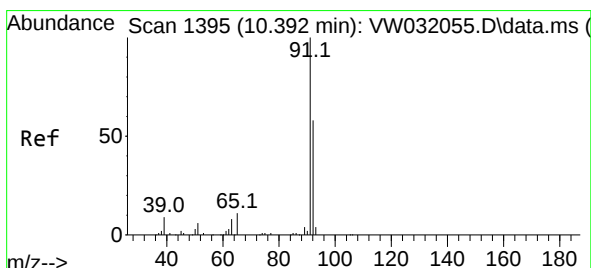
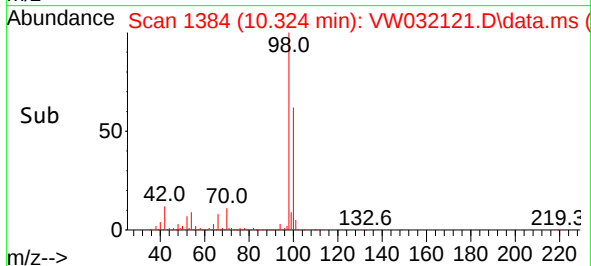
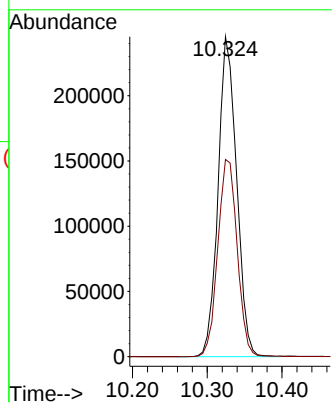
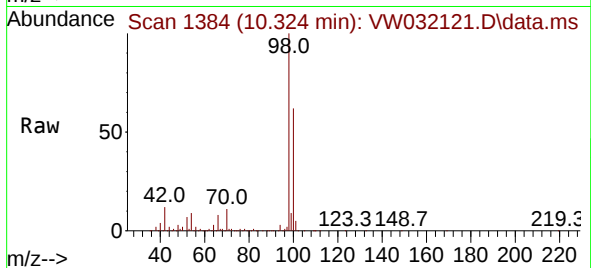




#50
Toluene-d8
Concen: 50.616 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

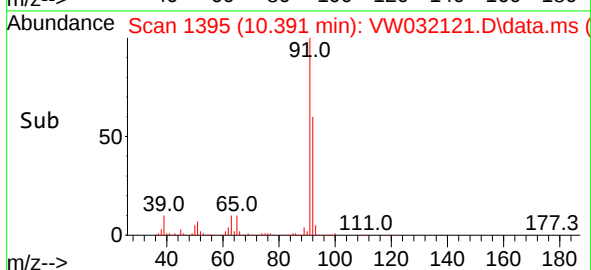
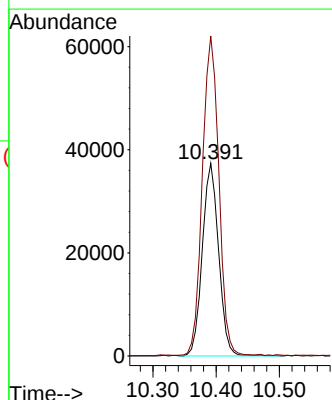
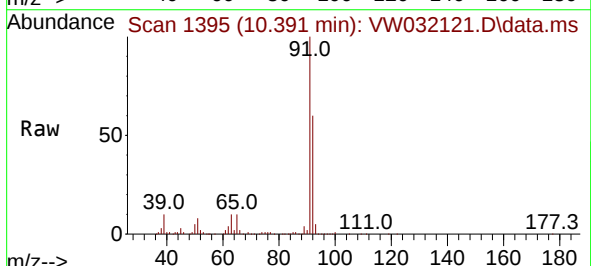
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP(1-2)

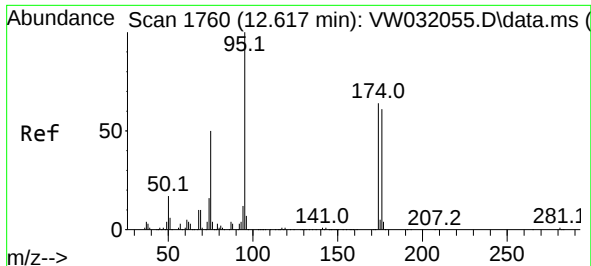
Tgt Ion: 98 Resp: 422427
Ion Ratio Lower Upper
98 100
100 64.6 51.1 76.7



#52
Toluene
Concen: 10.746 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

Tgt Ion: 92 Resp: 66925
Ion Ratio Lower Upper
92 100
91 167.6 136.3 204.5

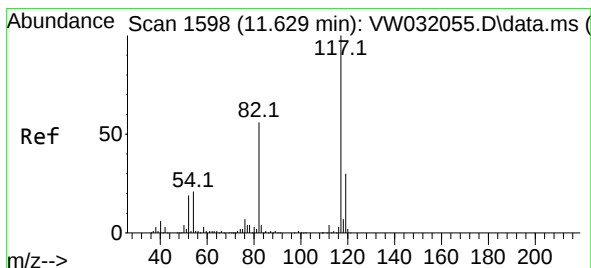
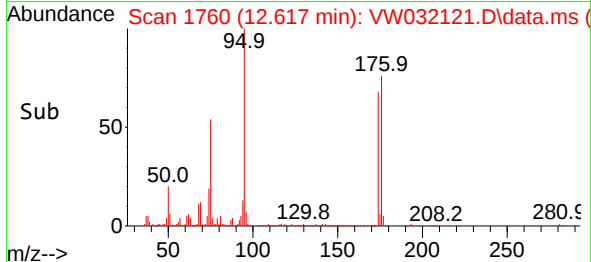
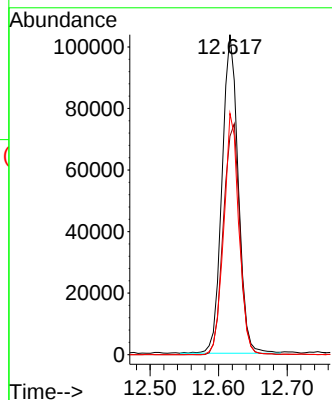
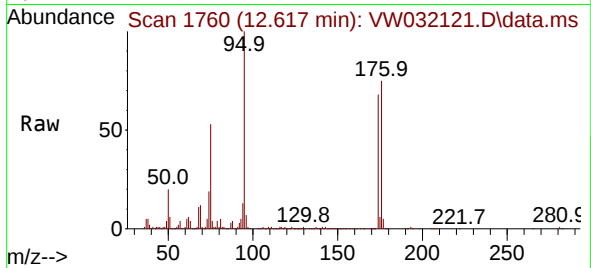




#62
4-Bromofluorobenzene
Concen: 55.194 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

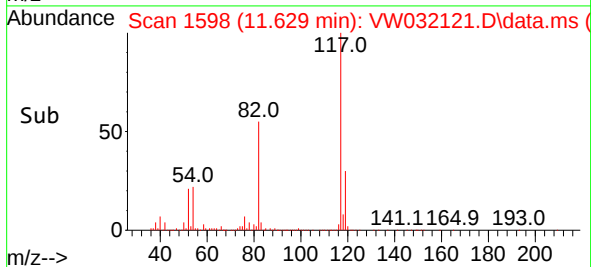
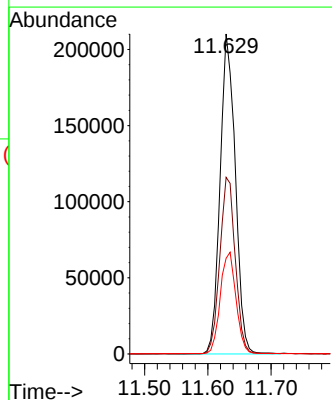
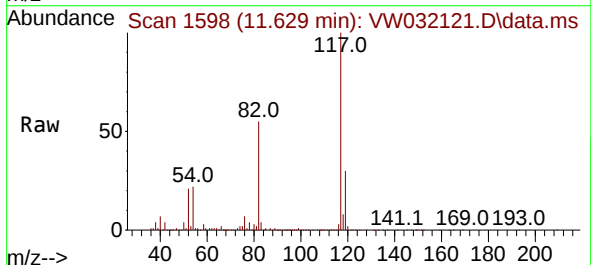
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP(1-2)

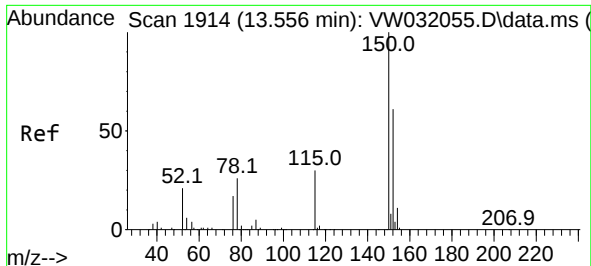
Tgt Ion: 95 Resp: 169750
Ion Ratio Lower Upper
95 100
174 73.2 0.0 129.0
176 70.9 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

Tgt Ion: 117 Resp: 349840
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 29.8 24.2 36.4

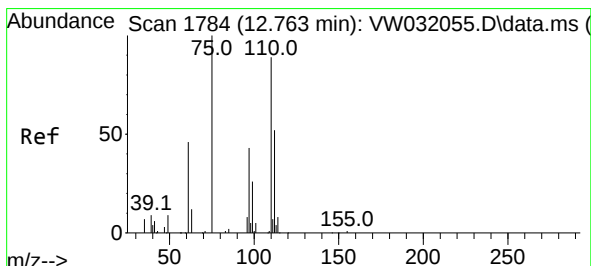
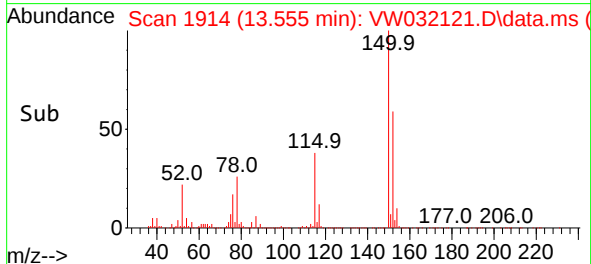
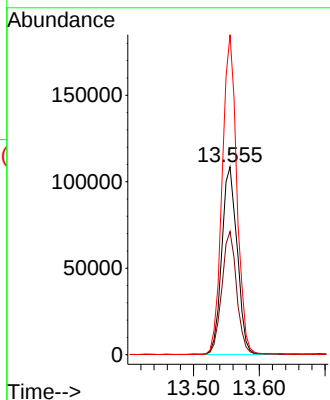
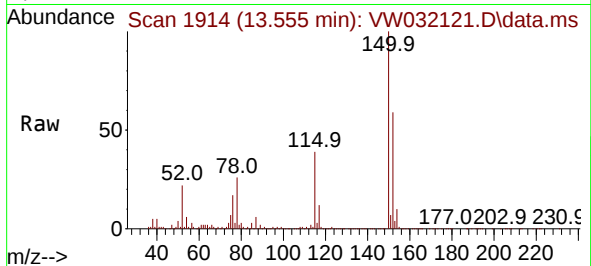




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

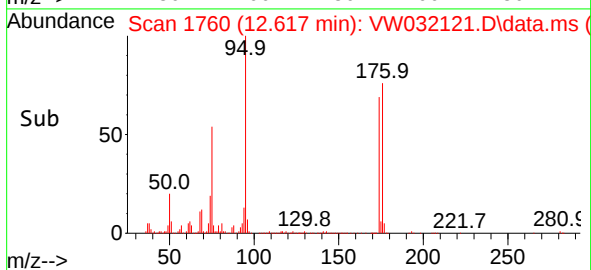
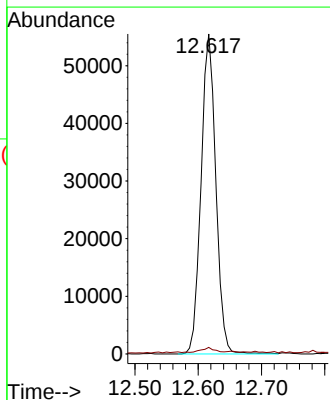
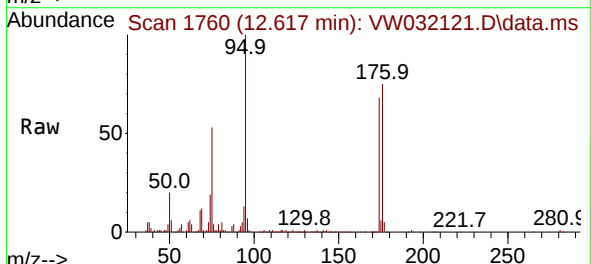
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP(1-2)

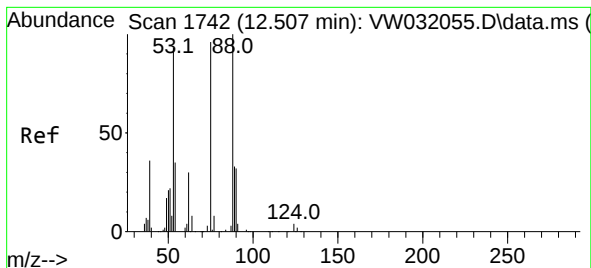
Tgt Ion:152 Resp: 177790
Ion Ratio Lower Upper
152 100
115 62.9 32.6 97.8
150 161.6 0.0 359.4



#76
1,2,3-Trichloropropane
Concen: 37.494 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

Tgt Ion: 75 Resp: 90474
Ion Ratio Lower Upper
75 100
77 1.5 123.5 370.5#

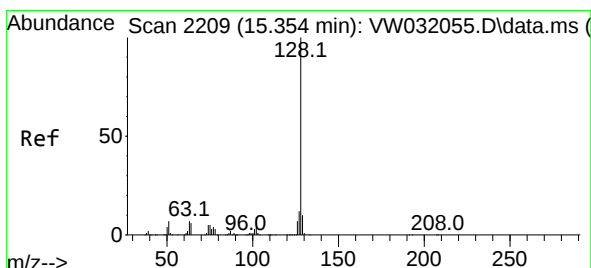
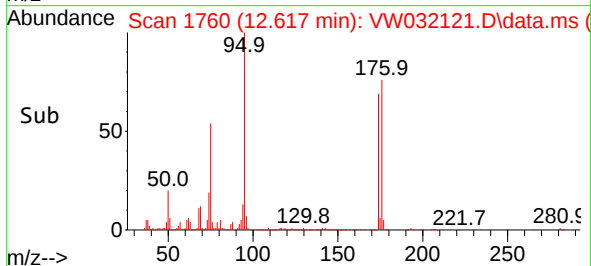
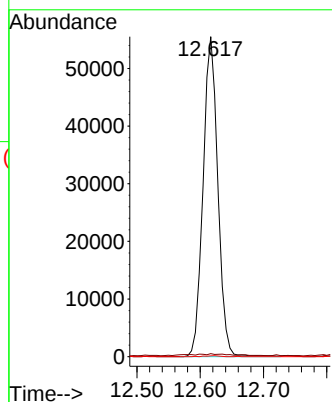
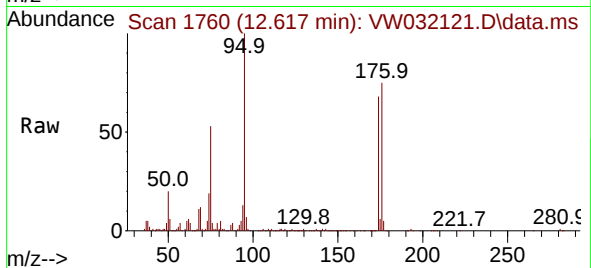




#81
trans-1,4-Dichloro-2-butene
Concen: 97.068 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.109 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP(1-2)

Tgt Ion: 75 Resp: 90474
Ion Ratio Lower Upper
75 100
53 0.4 81.0 121.6#
89 0.3 37.3 55.9#



#95
Naphthalene
Concen: 1.324 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW032121.D
Acq: 22 Aug 2025 19:02

Tgt Ion: 128 Resp: 10384
Ion Ratio Lower Upper
128 100
127 18.9 10.5 15.7#
129 19.0 8.2 12.4#

