

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032087.D
 Acq On : 14 Aug 2025 12:46
 Operator : SY/MD
 Sample : Q2820-04
 Misc : 7.08g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-DUP-1

Quant Time: Aug 18 03:50:47 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)

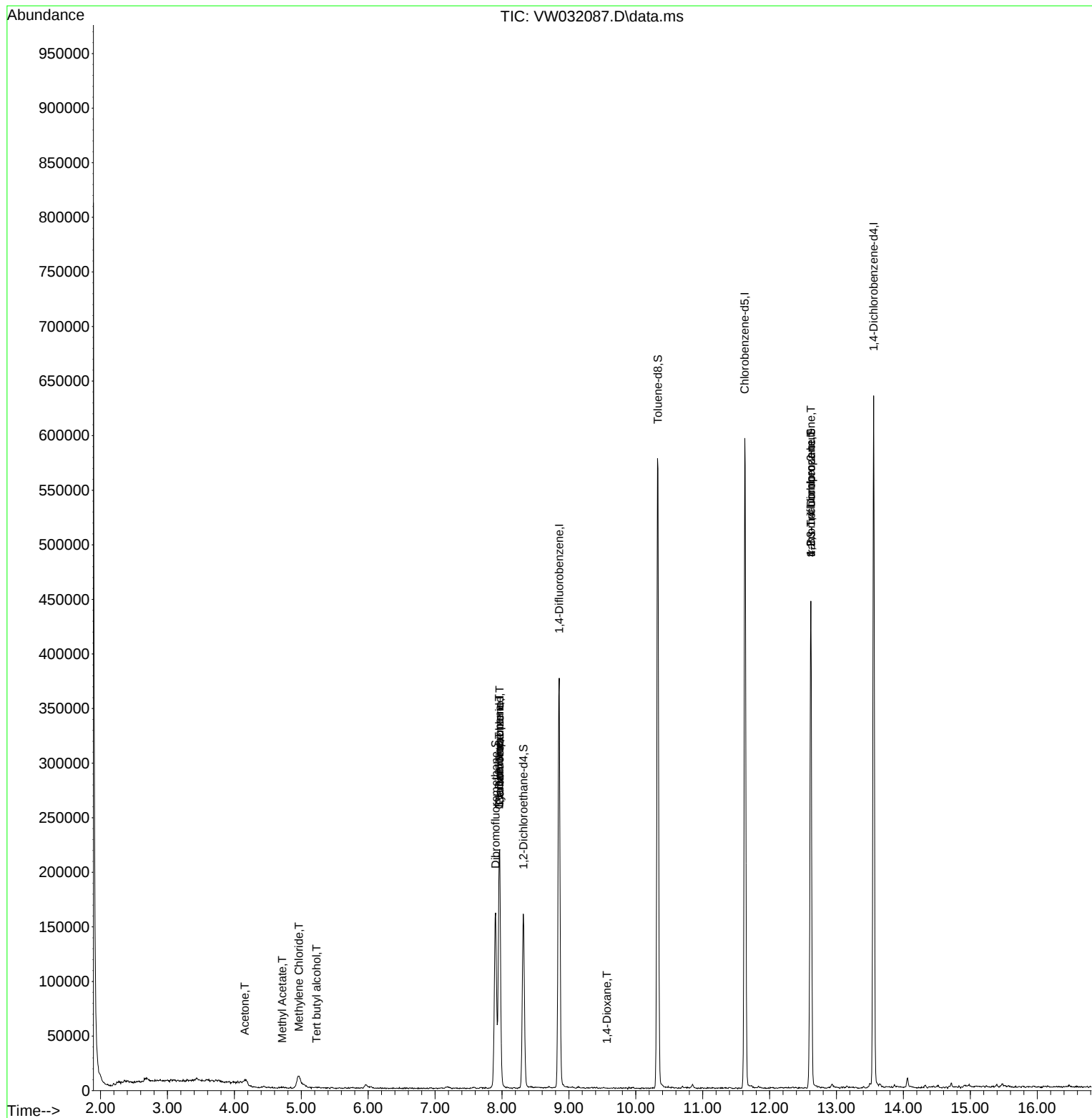
Internal Standards						
1) Pentafluorobenzene	7.965	168	155089	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	306810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	312208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	147600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130261	58.074	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 116.140%		
35) Dibromofluoromethane	7.904	113	112206	56.609	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 113.220%		
50) Toluene-d8	10.331	98	376479	51.353	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 102.700%		
62) 4-Bromofluorobenzene	12.617	95	136994	50.707	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 101.420%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	300	2.065	ug/l #	94
16) Acetone	4.155	43	1530	2.946	ug/l #	80
18) Methyl Acetate	4.716	43	1824	1.110	ug/l #	74
20) Methylene Chloride	4.966	84	11169	4.652	ug/l	86
31) Cyclohexane	7.959	56	4400	1.376	ug/l #	33
36) 1,1-Dichloropropene	7.959	75	13721	4.910	ug/l #	49
38) Carbon Tetrachloride	7.965	117	17468	6.478	ug/l #	19
49) 1,4-Dioxane	9.569	88	20	1.142	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	76692	38.283	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	76692	99.112	ug/l #	9

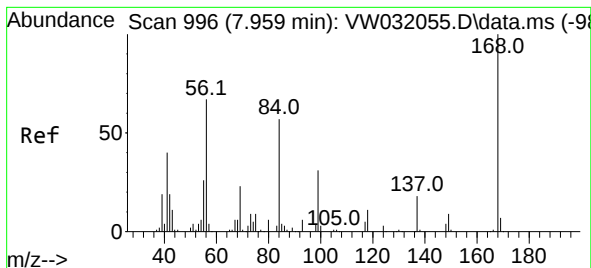
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
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Quant Time: Aug 18 03:50:47 2025
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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# 99

Delta R.T. 0.006 min

Lab File: VW032087.D

Acq: 14 Aug 2025 12:46

Instrument :

MSVOA_W

ClientSampleId :

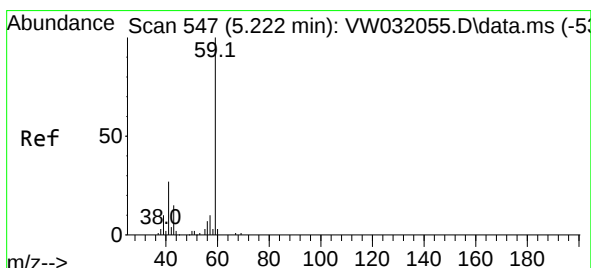
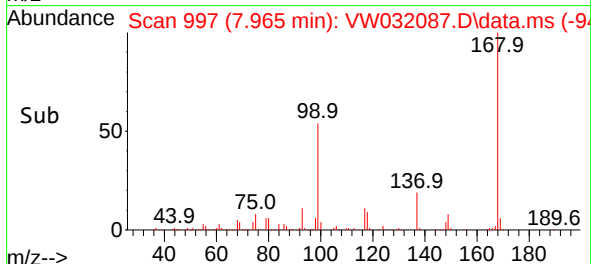
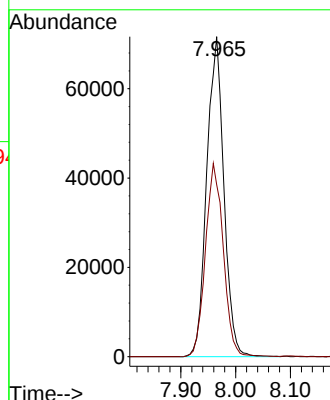
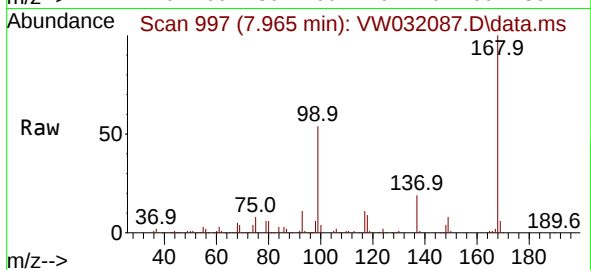
SOIL-DUP-1

Tgt Ion:168 Resp: 155089

Ion Ratio Lower Upper

168 100

99 53.8 56.0 84.0#



#11

Tert butyl alcohol

Concen: 2.065 ug/l

RT: 5.228 min Scan# 548

Delta R.T. 0.006 min

Lab File: VW032087.D

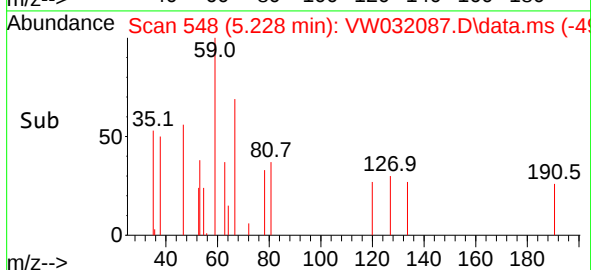
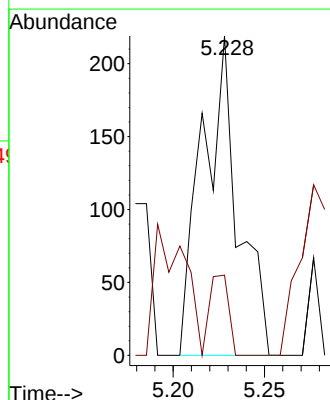
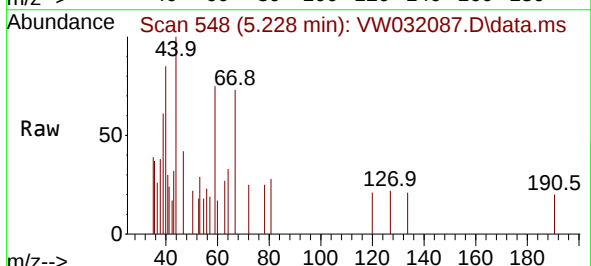
Acq: 14 Aug 2025 12:46

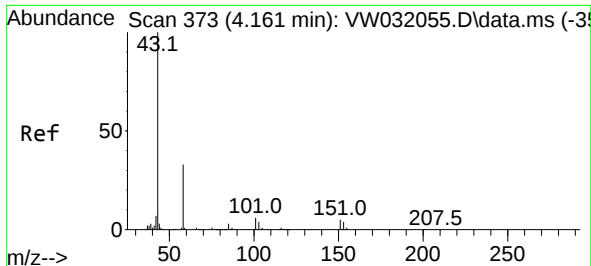
Tgt Ion: 59 Resp: 300

Ion Ratio Lower Upper

59 100

57 13.3 8.7 13.1#

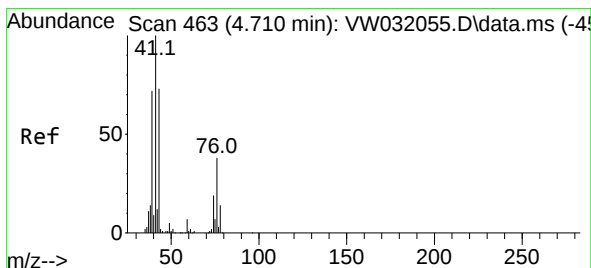
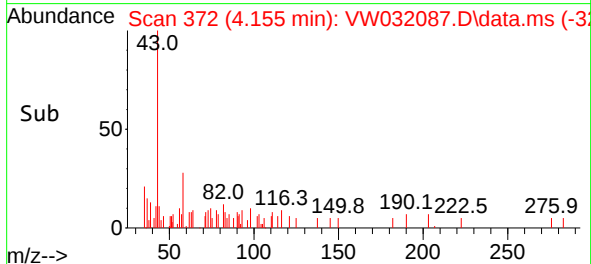
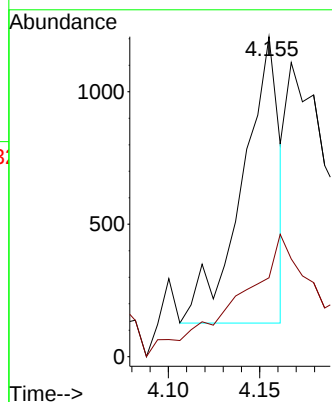
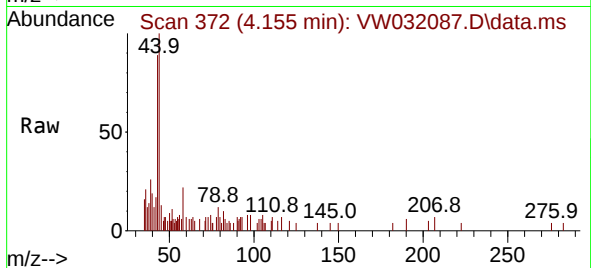




#16
Acetone
Concen: 2.946 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

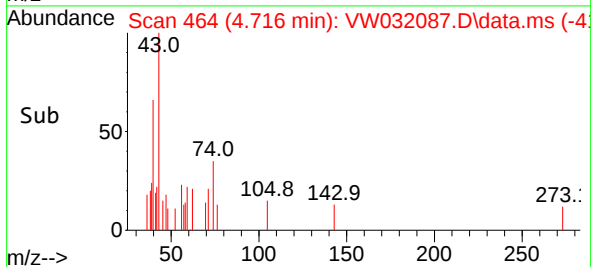
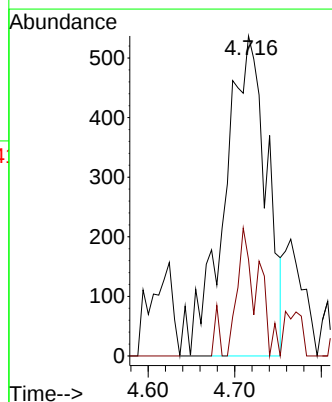
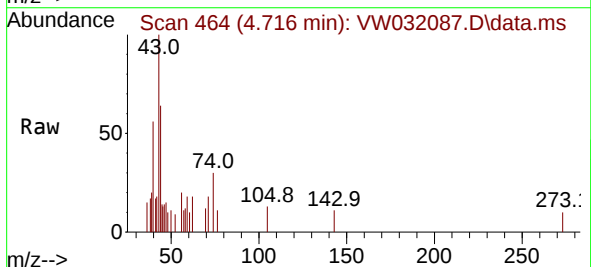
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

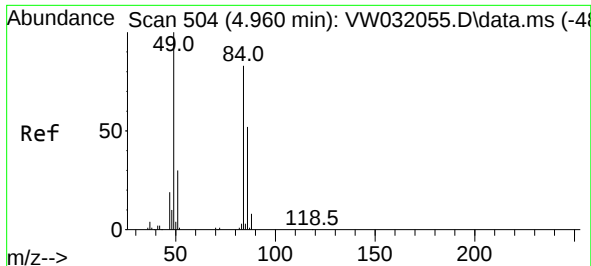
Tgt Ion: 43 Resp: 1530
Ion Ratio Lower Upper
43 100
58 21.9 26.6 39.8#



#18
Methyl Acetate
Concen: 1.110 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 43 Resp: 1824
Ion Ratio Lower Upper
43 100
74 12.6 20.6 31.0#

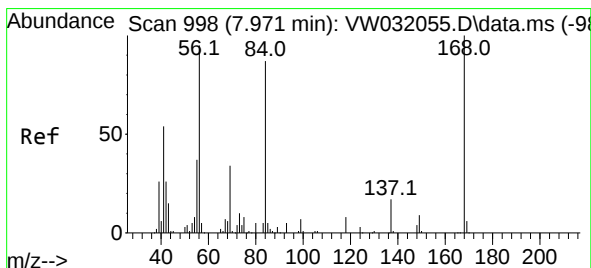
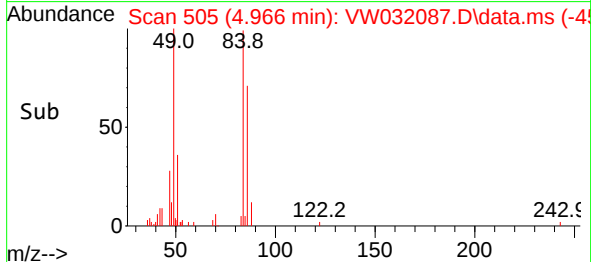
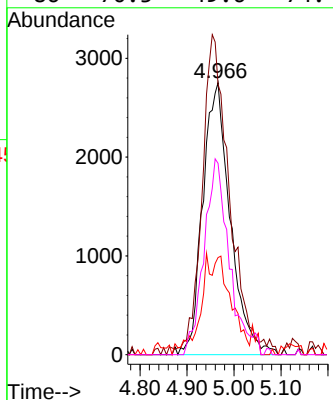
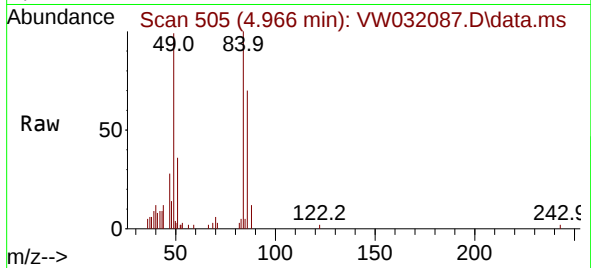




#20
Methylene Chloride
Concen: 4.652 ug/l
RT: 4.966 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

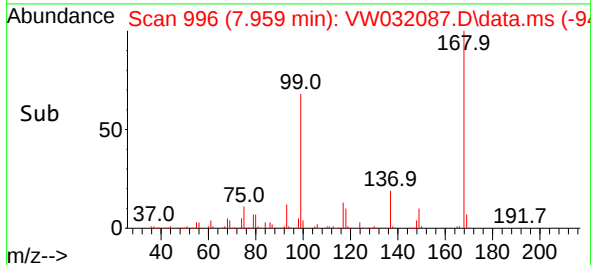
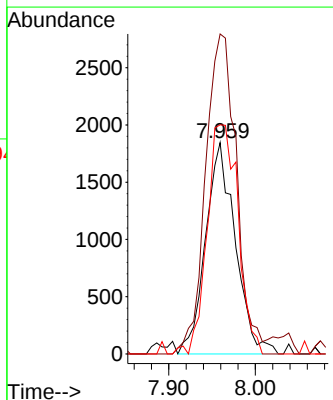
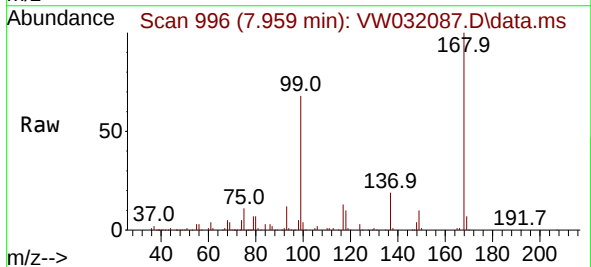
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

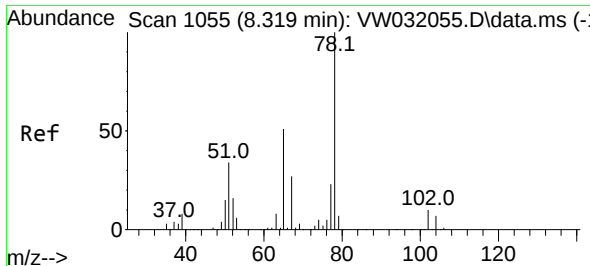
Tgt Ion:	84	Resp:	11169
Ion	Ratio	Lower	Upper
84	100		
49	99.4	95.9	143.9
51	33.8	28.6	43.0
86	70.3	49.6	74.4



#31
Cyclohexane
Concen: 1.376 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion:	56	Resp:	4400
Ion	Ratio	Lower	Upper
56	100		
69	148.6	28.6	42.8#
84	108.4	73.0	109.4





#33

1,2-Dichloroethane-d4

Concen: 58.074 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032087.D

Acq: 14 Aug 2025 12:46

Instrument :

MSVOA_W

ClientSampleId :

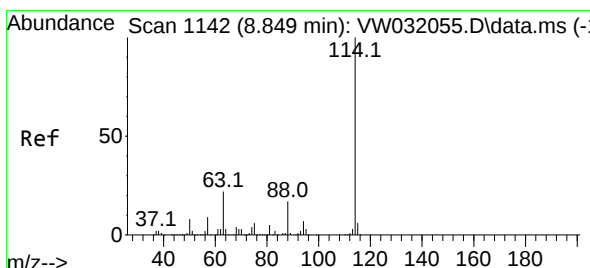
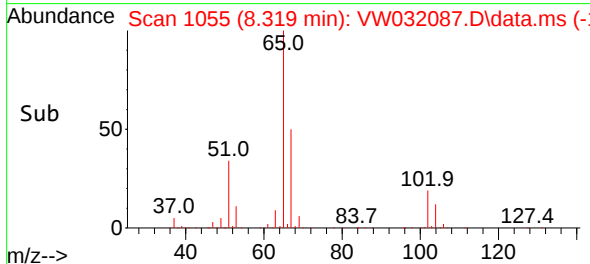
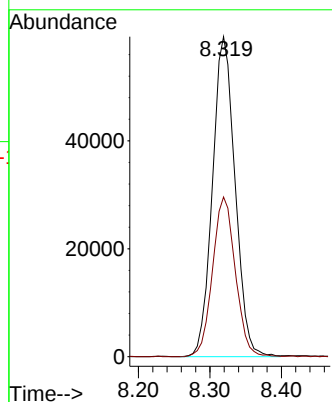
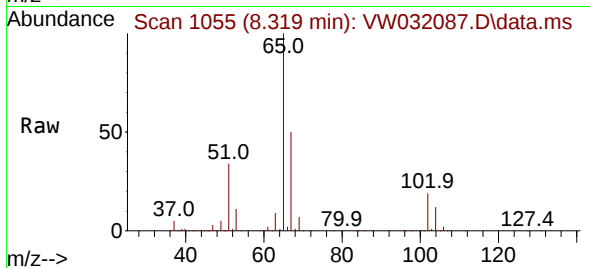
SOIL-DUP-1

Tgt Ion: 65 Resp: 130261

Ion Ratio Lower Upper

65 100

67 50.3 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: VW032087.D

Acq: 14 Aug 2025 12:46

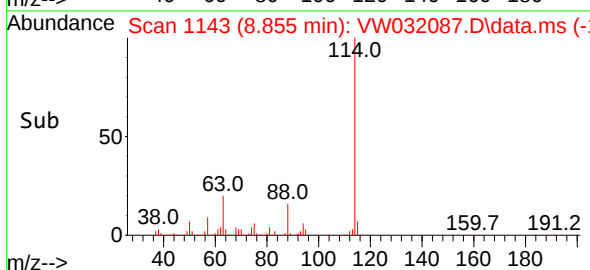
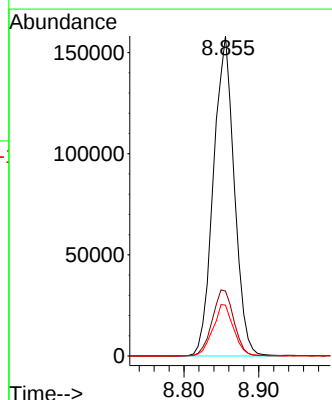
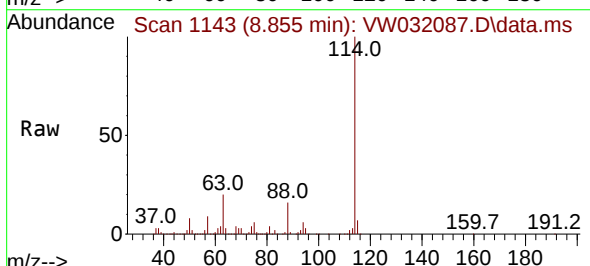
Tgt Ion: 114 Resp: 306810

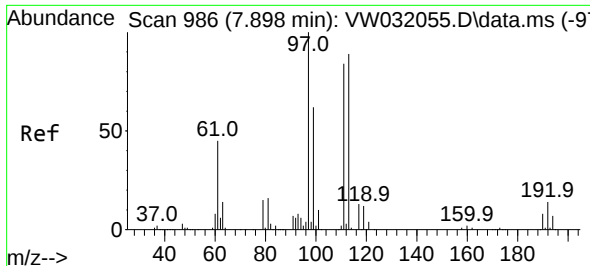
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.0

88 15.9 0.0 33.8

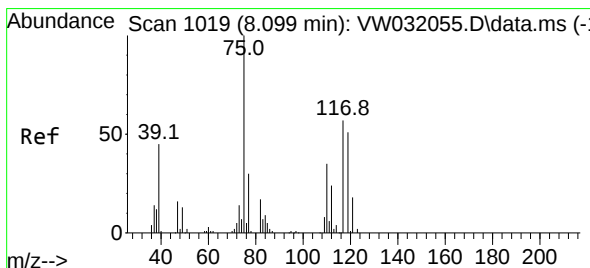
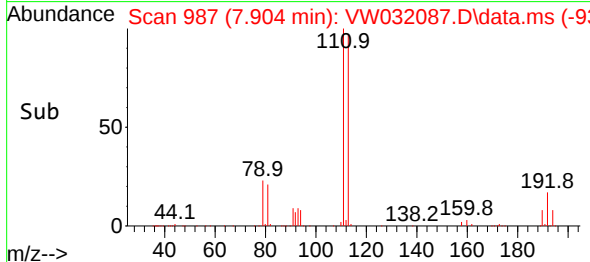
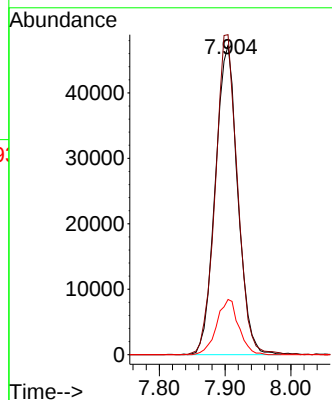
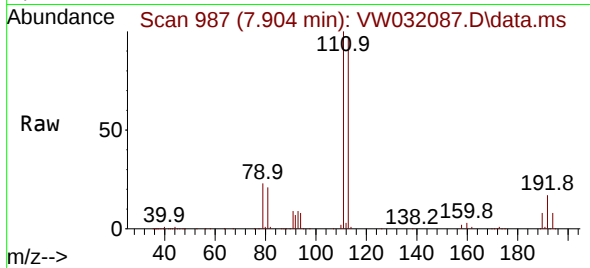




#35
Dibromofluoromethane
Concen: 56.609 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

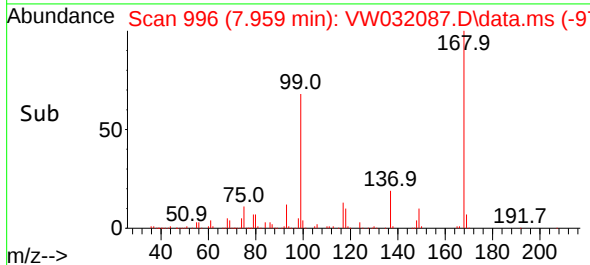
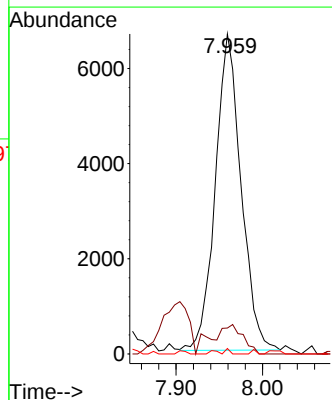
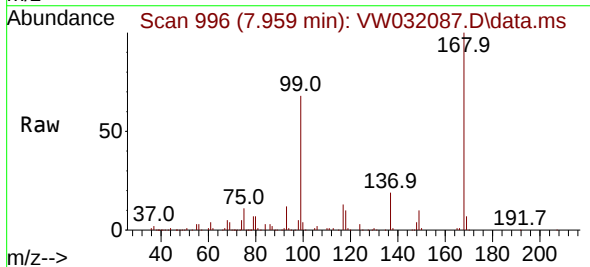
Instrument :
MSVOA_W
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SOIL-DUP-1

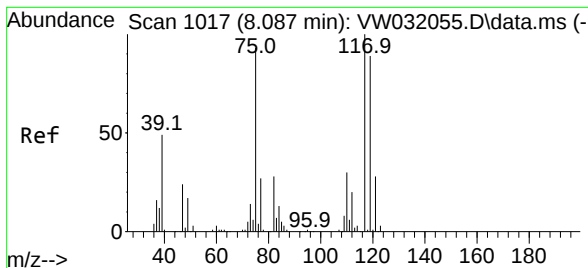
Tgt Ion:113 Resp: 112206
Ion Ratio Lower Upper
113 100
111 102.2 80.1 120.1
192 17.5 13.1 19.7



#36
1,1-Dichloropropene
Concen: 4.910 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 75 Resp: 13721
Ion Ratio Lower Upper
75 100
110 7.6 17.4 52.2#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.478 ug/l

RT: 7.965 min Scan# 91

Delta R.T. -0.122 min

Lab File: VW032087.D

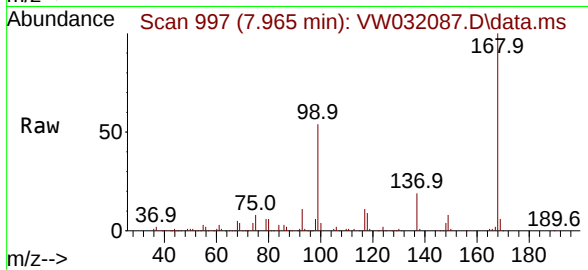
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Instrument :

MSVOA_W

ClientSampleId :

SOIL-DUP-1



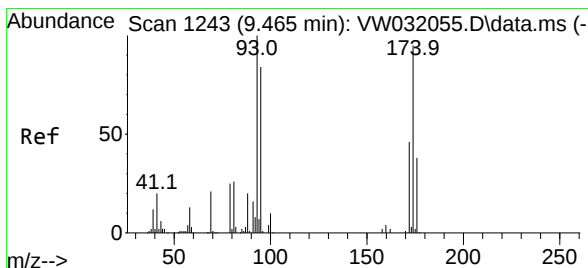
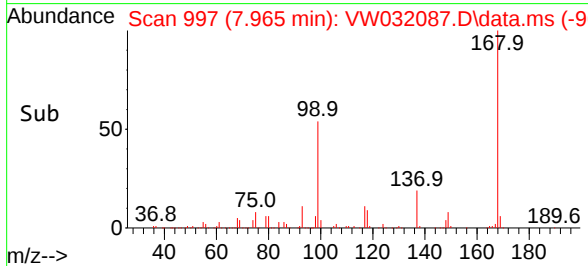
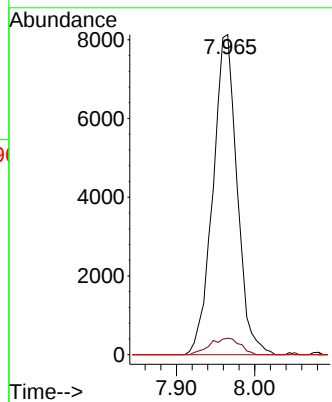
Tgt Ion:117 Resp: 17468

Ion Ratio Lower Upper

117 100

119 5.1 71.4 107.2#

121 0.0 22.3 33.5#



#49

1,4-Dioxane

Concen: 1.142 ug/l

RT: 9.569 min Scan# 1260

Delta R.T. 0.104 min

Lab File: VW032087.D

Acq: 14 Aug 2025 12:46

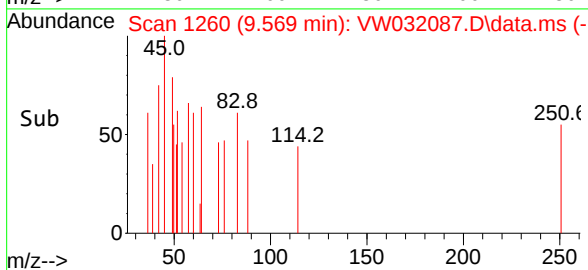
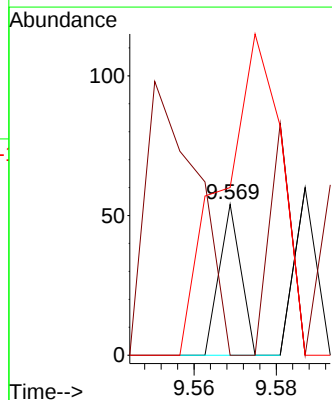
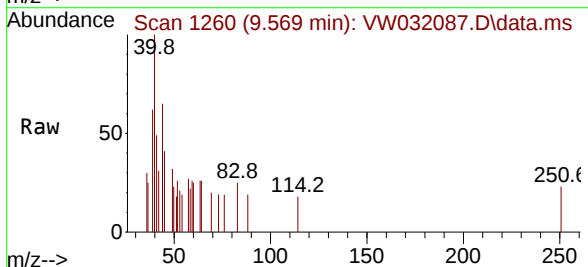
Tgt Ion: 88 Resp: 20

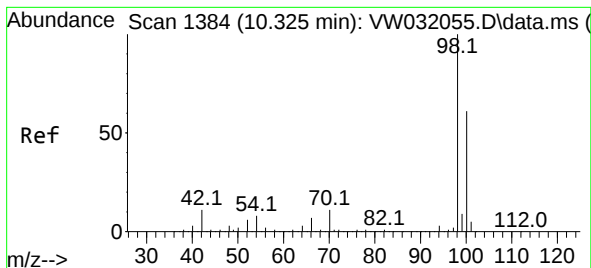
Ion Ratio Lower Upper

88 100

43 425.0 20.6 30.8#

58 0.0 60.4 90.6#

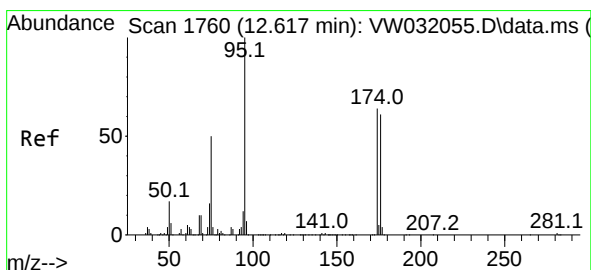
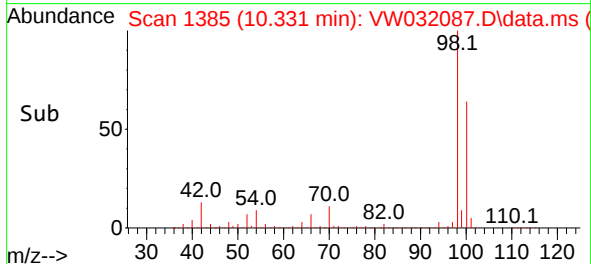
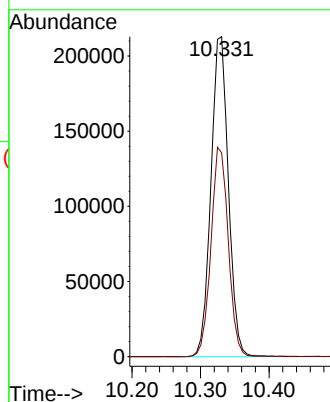
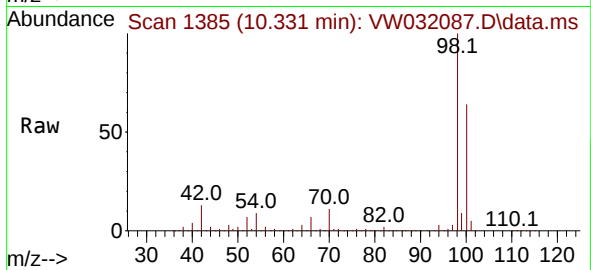




#50
Toluene-d8
Concen: 51.353 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

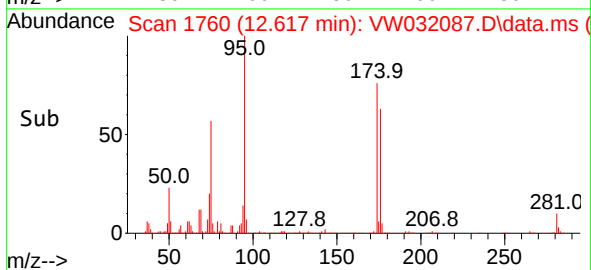
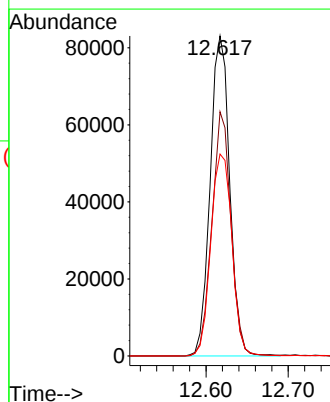
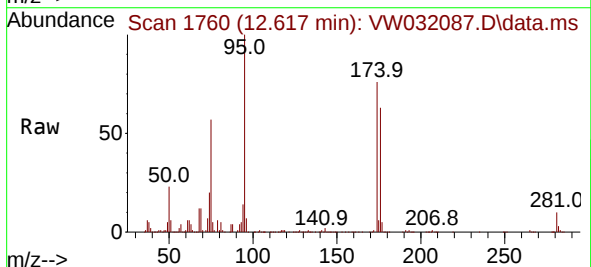
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

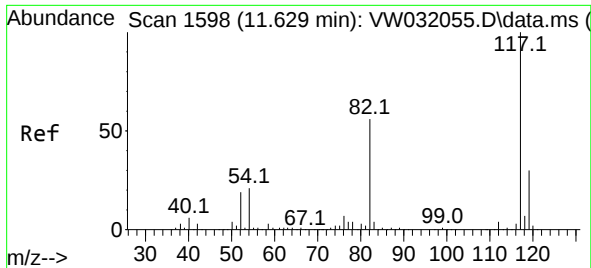
Tgt Ion: 98 Resp: 376479
Ion Ratio Lower Upper
98 100
100 65.0 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 50.707 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 95 Resp: 136994
Ion Ratio Lower Upper
95 100
174 75.0 0.0 129.0
176 68.2 0.0 124.6

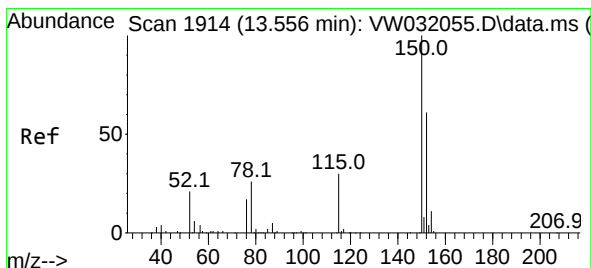
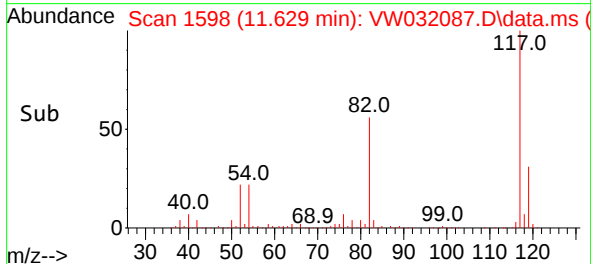
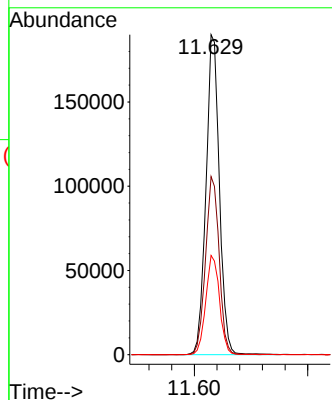
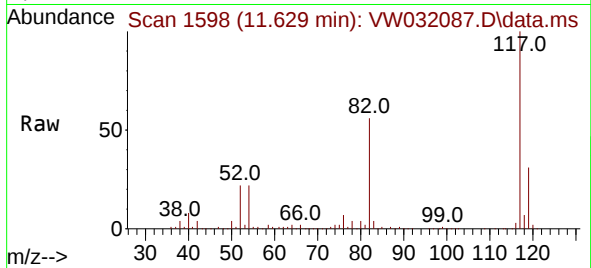




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

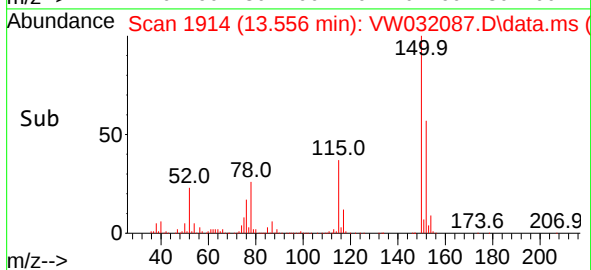
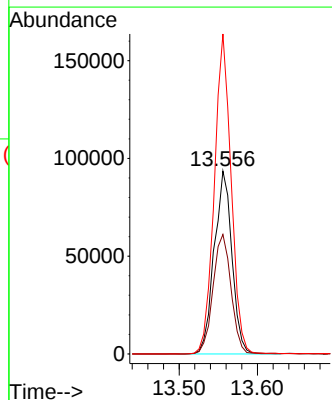
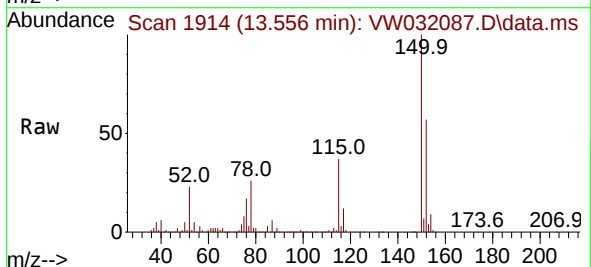
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

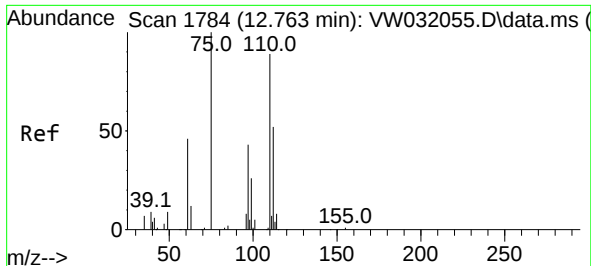
Tgt Ion:117 Resp: 312208
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.4
119 31.0 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion:152 Resp: 147600
Ion Ratio Lower Upper
152 100
115 66.3 32.6 97.8
150 165.7 0.0 359.4

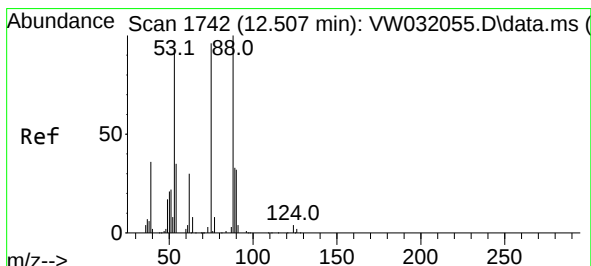
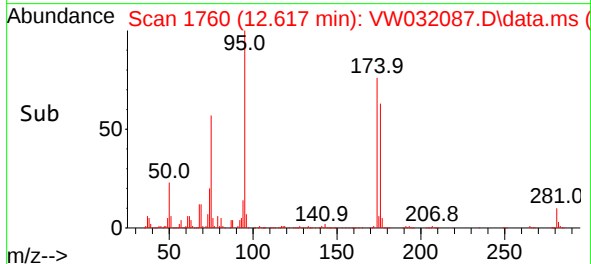
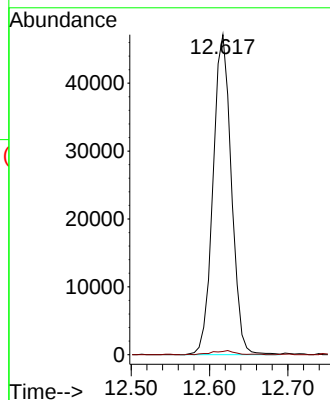
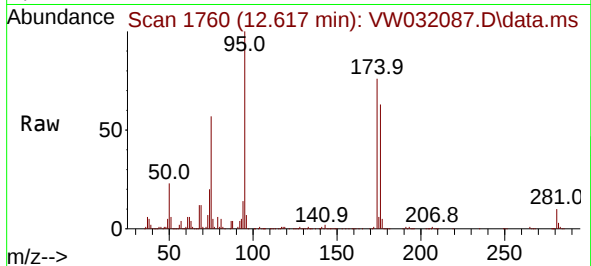




#76
1,2,3-Trichloropropane
Concen: 38.283 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

Tgt Ion: 75 Resp: 76692
Ion Ratio Lower Upper
75 100
77 1.5 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.112 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 75 Resp: 76692
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.6#
89 0.5 37.3 55.9#

