

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088157.D
 Acq On : 29 Oct 2025 14:05
 Operator : JC\MD
 Sample : Q3477-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOUTH-MAHWAH-SOIL

Quant Time: Oct 30 04:06:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

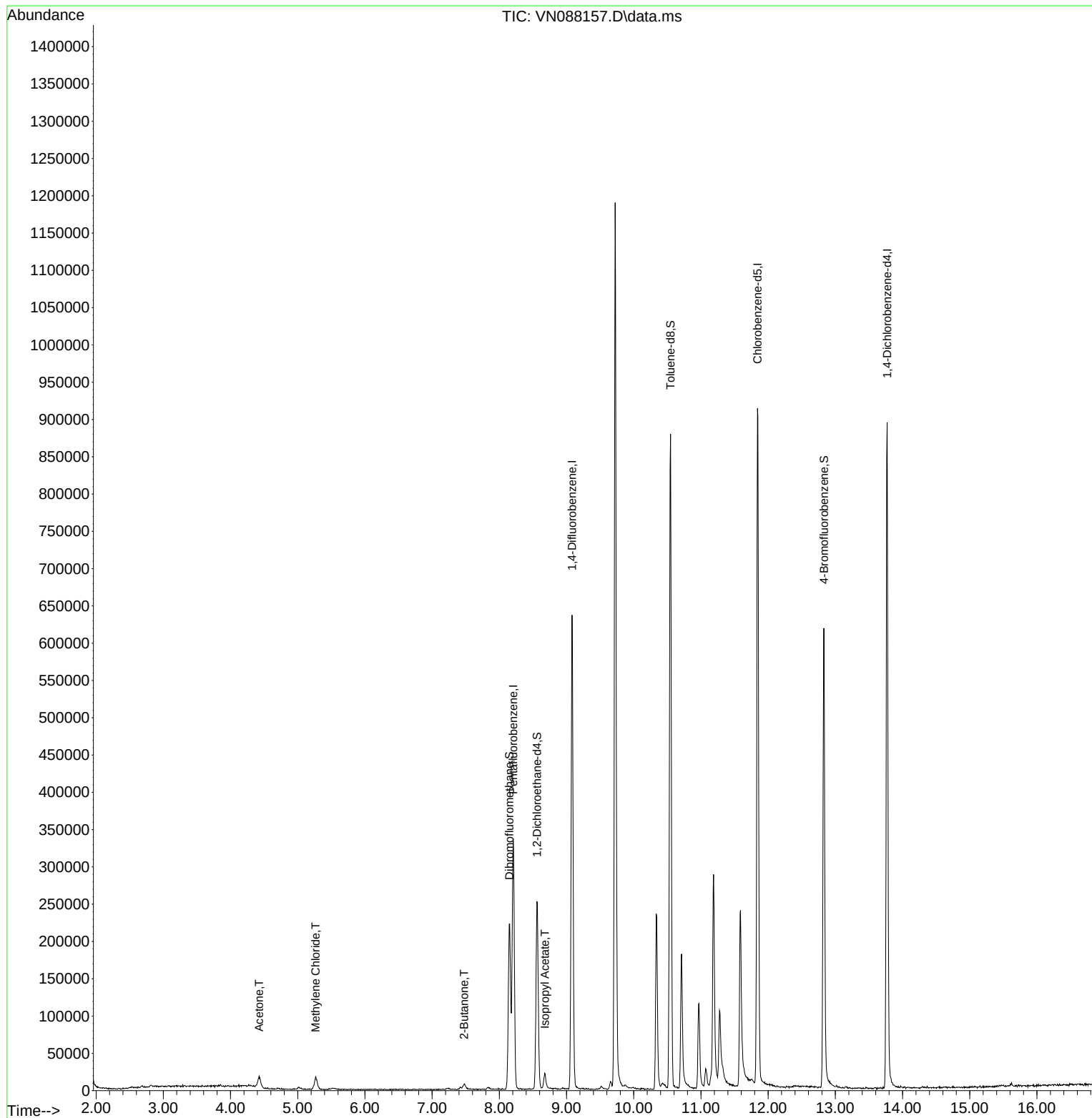
Internal Standards						
1) Pentafluorobenzene	8.206	168	218076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	505056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	492067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	227012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	212608	56.380	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	112.760%	
35) Dibromofluoromethane	8.147	113	159764	47.086	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.180%	
50) Toluene-d8	10.547	98	588724	45.031	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	90.060%	
62) 4-Bromofluorobenzene	12.829	95	224336	48.587	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	97.180%	
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	29272	15.451	ug/l	99
20) Methylene Chloride	5.265	84	11589	4.642	ug/l	89
25) 2-Butanone	7.477	43	12801	5.127	ug/l	92
43) Isopropyl Acetate	8.677	43	25614	2.607	ug/l	94

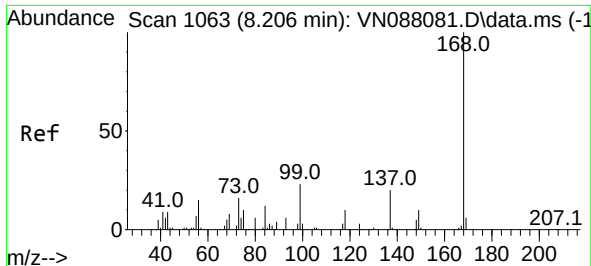
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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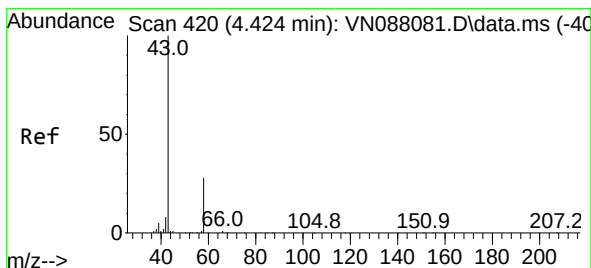
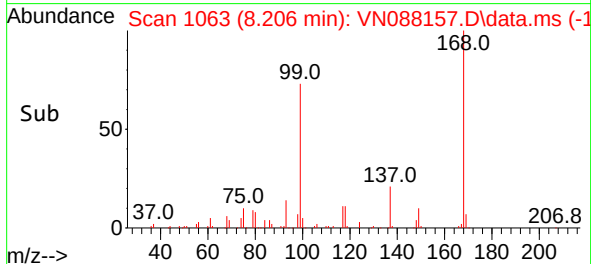
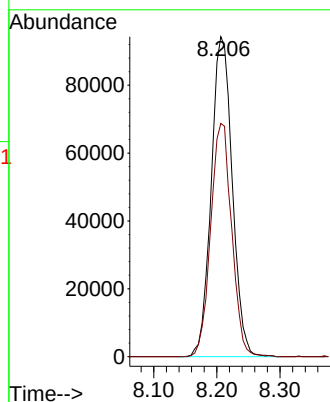
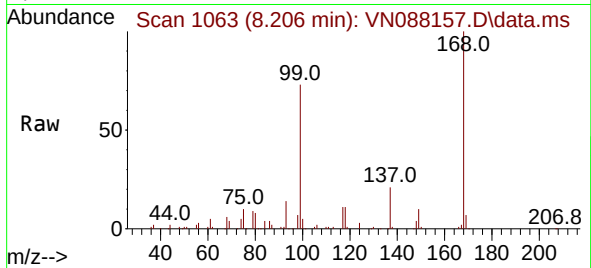




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088157.D
Acq: 29 Oct 2025 14:05

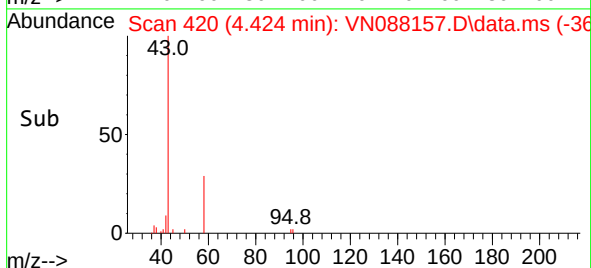
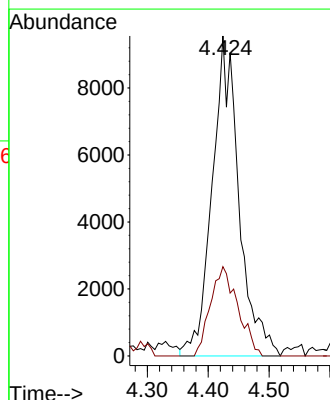
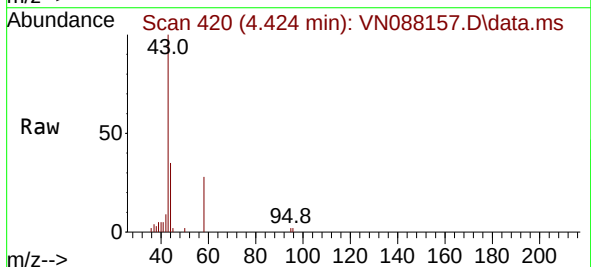
Instrument :
MSVOA_N
ClientSampleId :
SOUTH-MAHWAH-SOIL

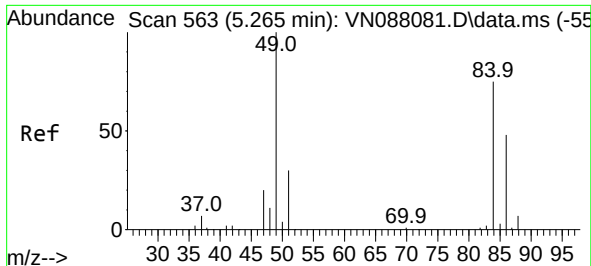
Tgt Ion:168 Resp: 218076
Ion Ratio Lower Upper
168 100
99 72.9 57.2 85.8



#16
Acetone
Concen: 15.451 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088157.D
Acq: 29 Oct 2025 14:05

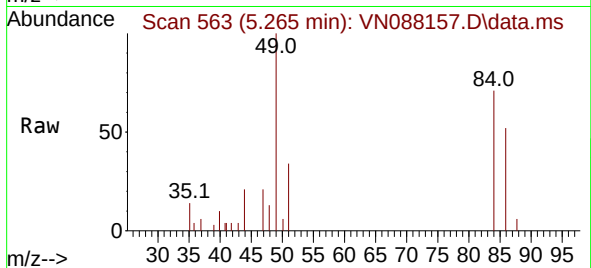
Tgt Ion: 43 Resp: 29272
Ion Ratio Lower Upper
43 100
58 27.9 22.6 33.8



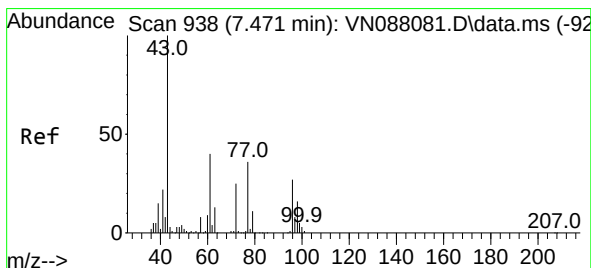
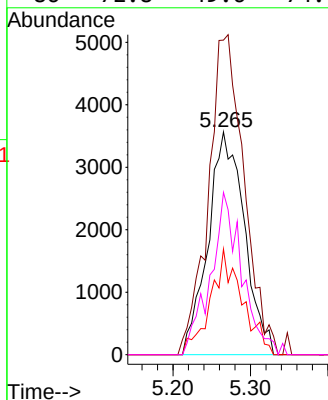
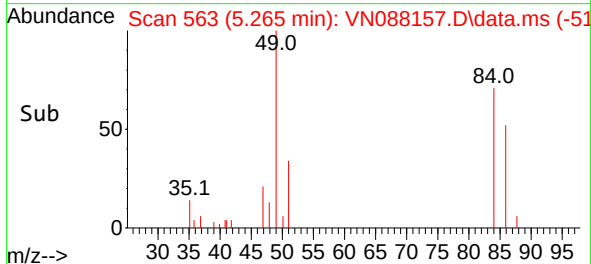


#20
Methylene Chloride
Concen: 4.642 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088157.D
Acq: 29 Oct 2025 14:05

Instrument :
MSVOA_N
ClientSampleId :
SOUTH-MAHWAH-SOIL

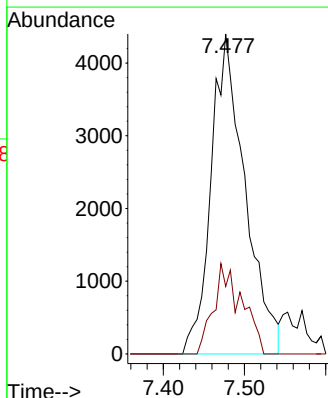
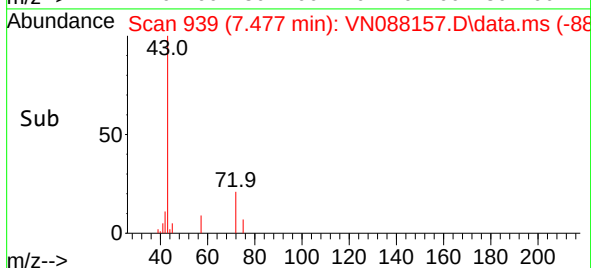
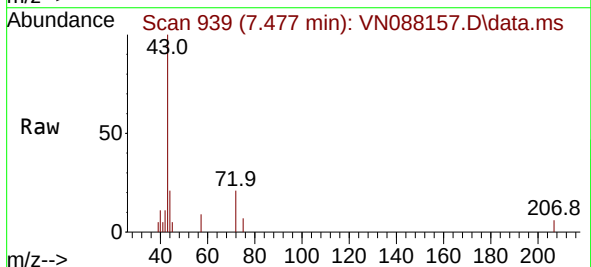


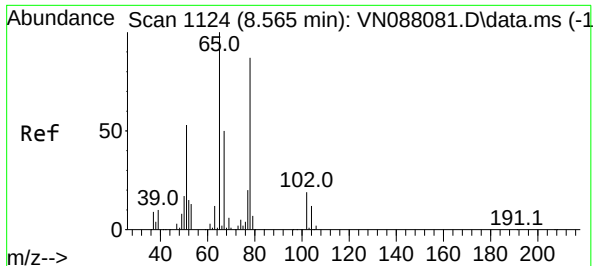
Tgt Ion:	84	Resp:	11589
Ion	Ratio	Lower	Upper
84	100		
49	141.3	103.4	155.2
51	47.4	33.8	50.8
86	72.8	49.6	74.4



#25
2-Butanone
Concen: 5.127 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088157.D
Acq: 29 Oct 2025 14:05

Tgt Ion:	43	Resp:	12801
Ion	Ratio	Lower	Upper
43	100		
72	21.1	19.9	29.9





#33

1,2-Dichloroethane-d4

Concen: 56.380 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088157.D

Acq: 29 Oct 2025 14:05

Instrument :

MSVOA_N

ClientSampleId :

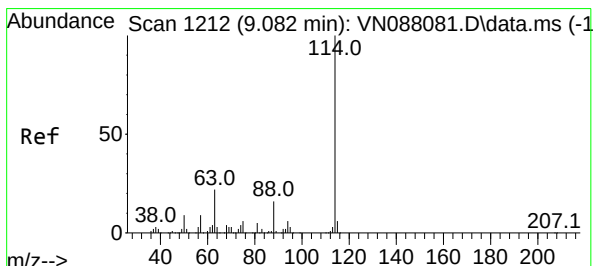
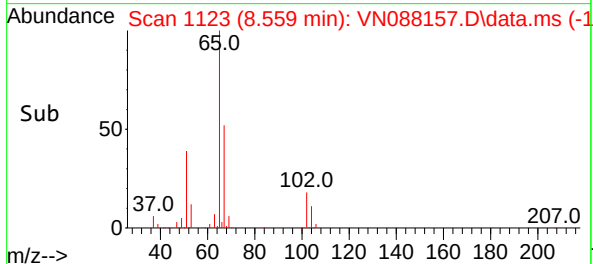
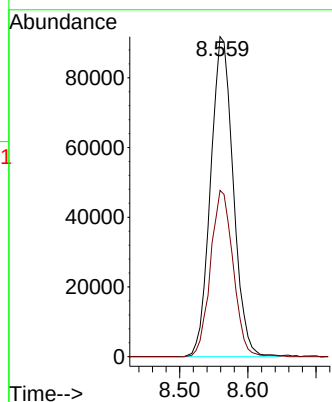
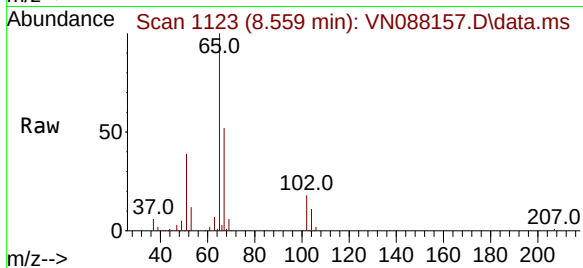
SOUTH-MAHWAH-SOIL

Tgt Ion: 65 Resp: 212608

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088157.D

Acq: 29 Oct 2025 14:05

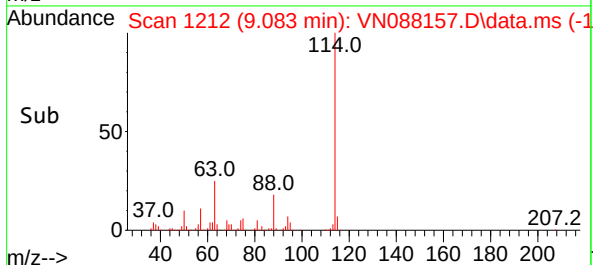
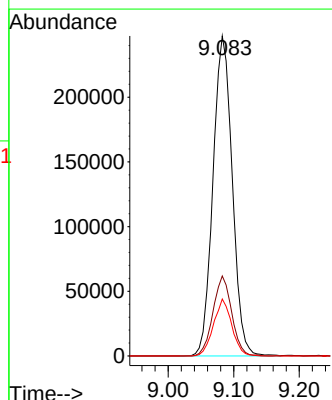
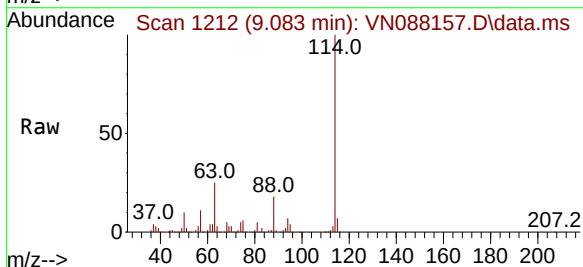
Tgt Ion: 114 Resp: 505056

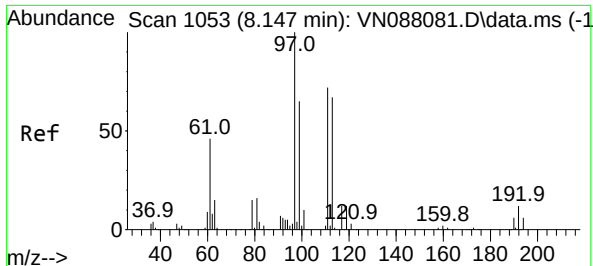
Ion Ratio Lower Upper

114 100

63 25.0 0.0 45.2

88 17.8 0.0 33.4

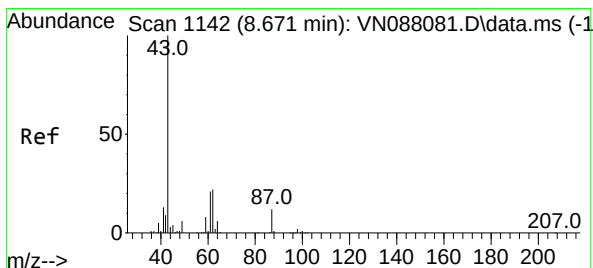
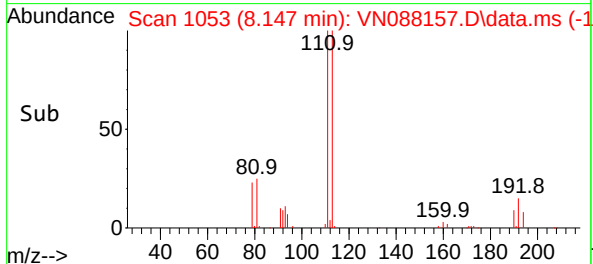
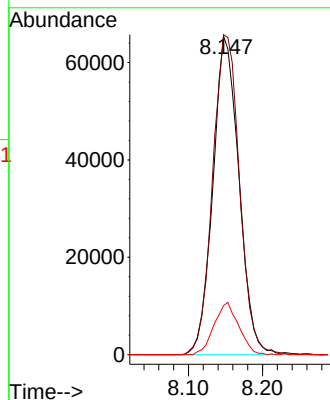
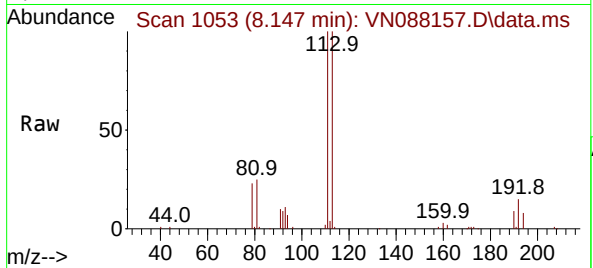




#35
Dibromofluoromethane
Concen: 47.086 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088157.D
Acq: 29 Oct 2025 14:05

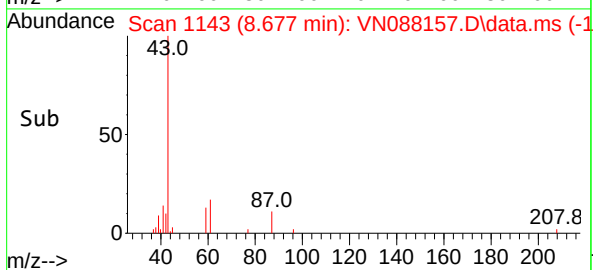
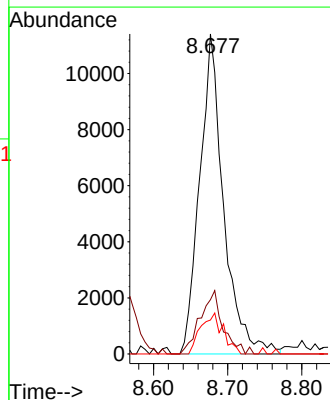
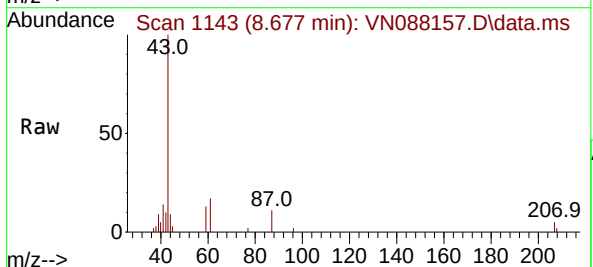
Instrument :
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SOUTH-MAHWAH-SOIL

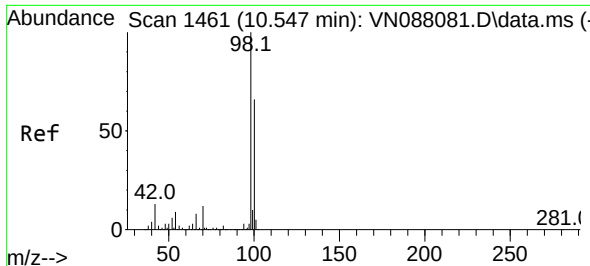
Tgt Ion:113 Resp: 159764
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 15.5 12.8 19.2



#43
Isopropyl Acetate
Concen: 2.607 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088157.D
Acq: 29 Oct 2025 14:05

Tgt Ion: 43 Resp: 25614
Ion Ratio Lower Upper
43 100
61 18.9 18.8 28.2
87 12.0 9.6 14.4

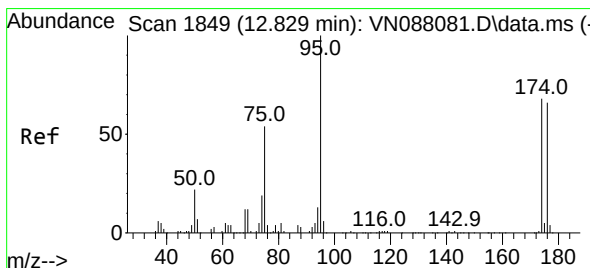
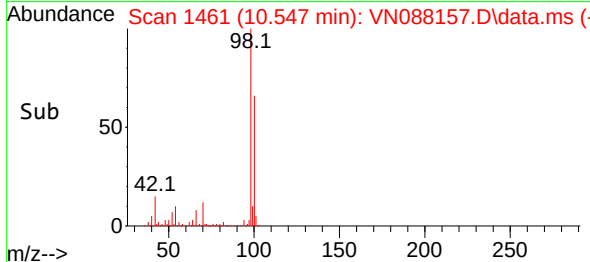
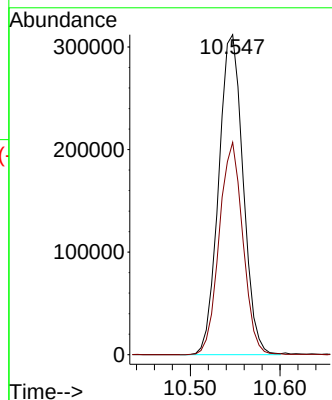
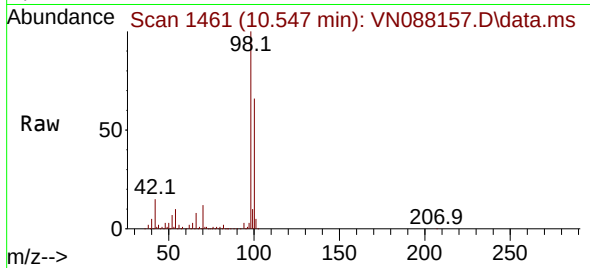




#50
Toluene-d8
Concen: 45.031 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088157.D
Acq: 29 Oct 2025 14:05

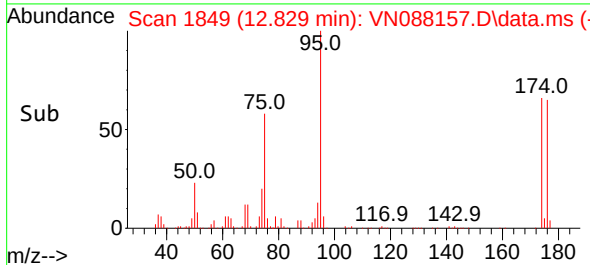
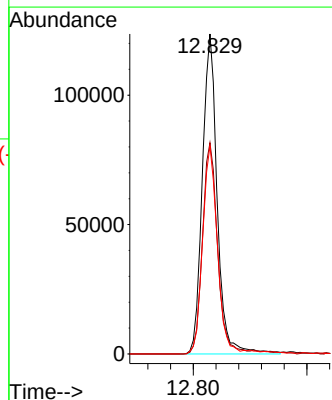
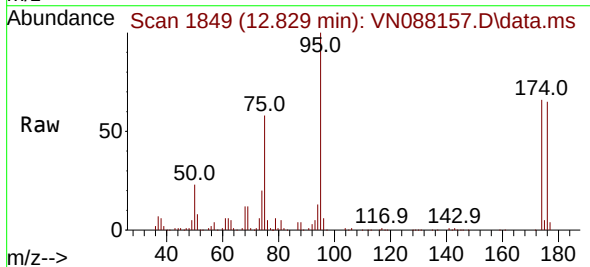
Instrument :
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SOUTH-MAHWAH-SOIL

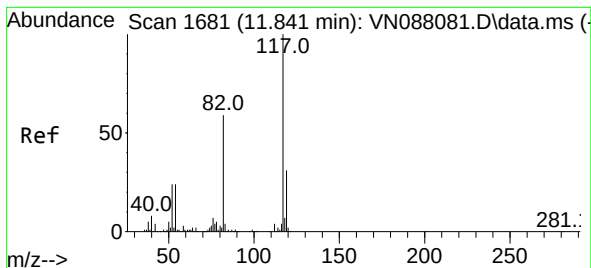
Tgt Ion: 98 Resp: 588724
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.587 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088157.D
Acq: 29 Oct 2025 14:05

Tgt Ion: 95 Resp: 224336
Ion Ratio Lower Upper
95 100
174 66.7 0.0 138.4
176 64.6 0.0 132.6

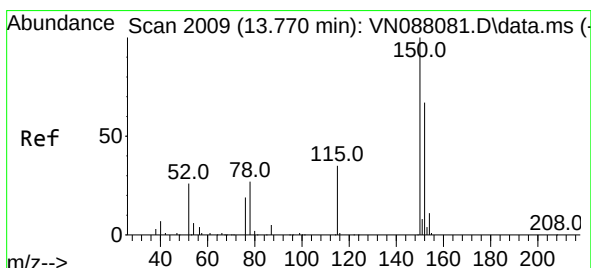
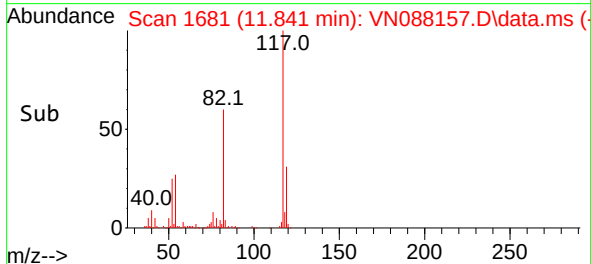
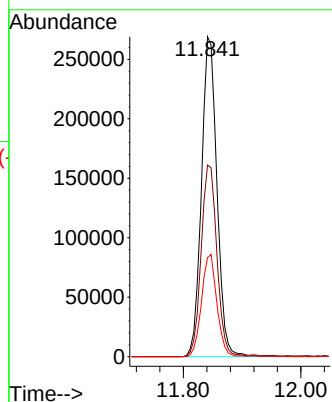
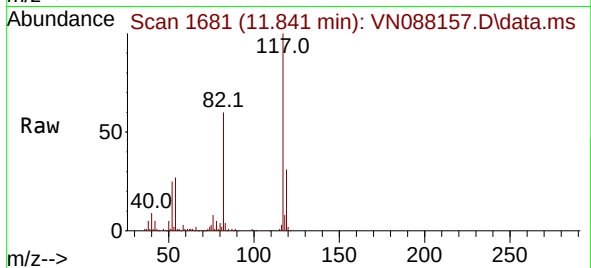




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VN088157.D
Acq: 29 Oct 2025 14:05

Instrument :
MSVOA_N
ClientSampleId :
SOUTH-MAHWAH-SOIL

Tgt Ion:117 Resp: 492067
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 30.9 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088157.D
Acq: 29 Oct 2025 14:05

Tgt Ion:152 Resp: 227012
Ion Ratio Lower Upper
152 100
115 67.0 32.3 96.8
150 162.3 0.0 351.0

