

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088255.D
 Acq On : 11 Nov 2025 14:25
 Operator : JC\MD
 Sample : Q3599-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LIVINGSTON-SOIL

Quant Time: Nov 12 01:16:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

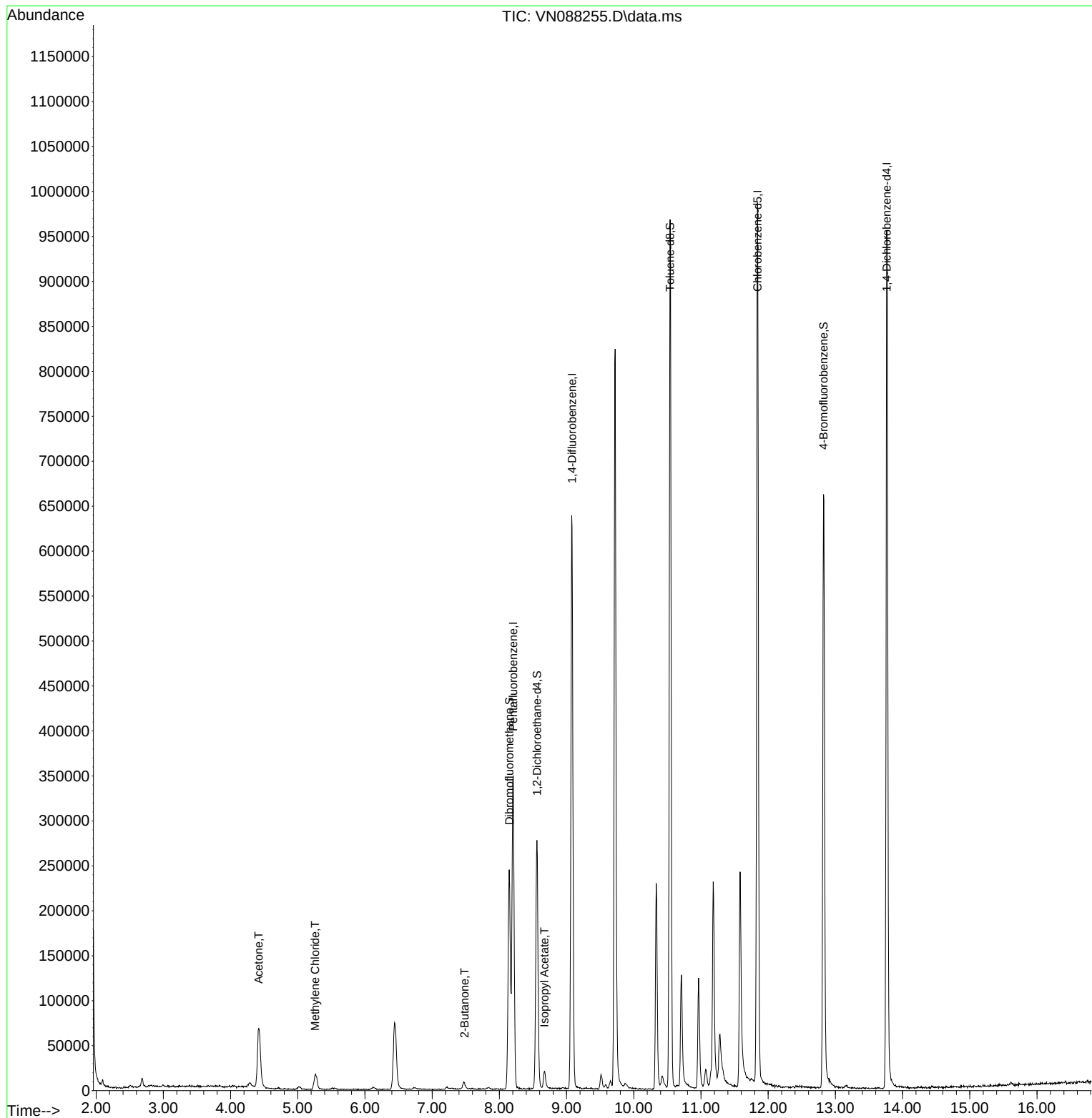
Internal Standards						
1) Pentafluorobenzene	8.206	168	226578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	518714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	521988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	248779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	235338	60.066	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.140%	
35) Dibromofluoromethane	8.147	113	172210	49.418	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.840%	
50) Toluene-d8	10.541	98	633345	47.168	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.340%	
62) 4-Bromofluorobenzene	12.823	95	244306	51.519	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.040%	
Target Compounds						
					Qvalue	
16) Acetone	4.418	43	139492	70.867	ug/l	98
20) Methylene Chloride	5.259	84	13339	4.037	ug/l #	85
25) 2-Butanone	7.483	43	14231	5.486	ug/l	97
43) Isopropyl Acetate	8.671	43	23701	2.349	ug/l	94

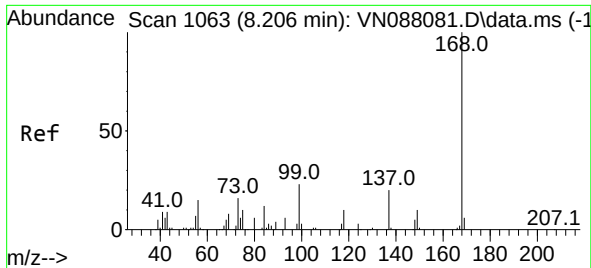
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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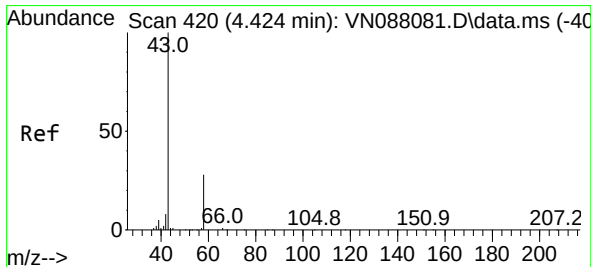
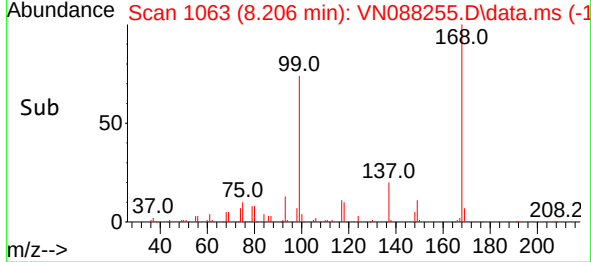
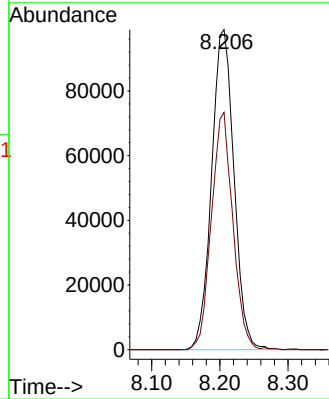
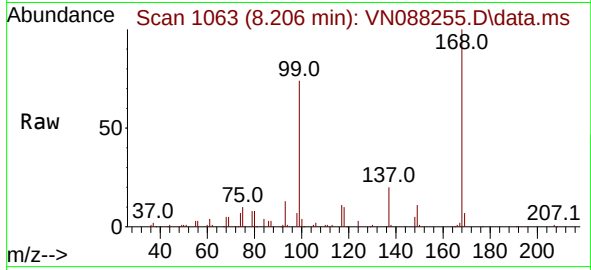




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088255.D
Acq: 11 Nov 2025 14:25

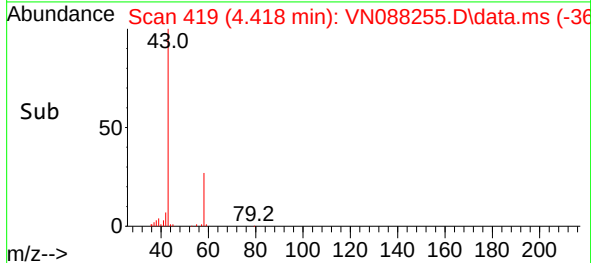
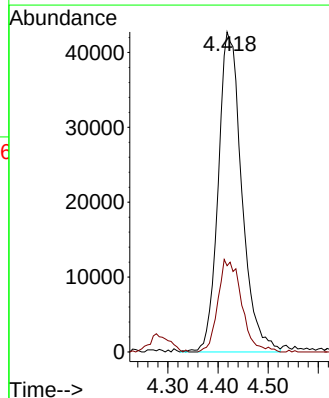
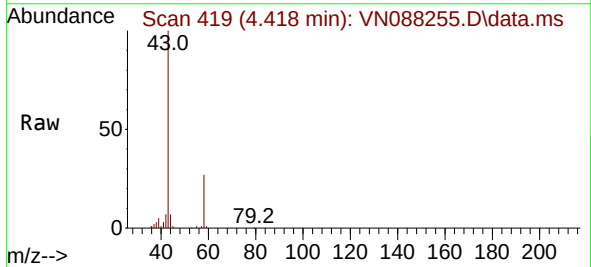
Instrument :
MSVOA_N
ClientSampleId :
LIVINGSTON-SOIL

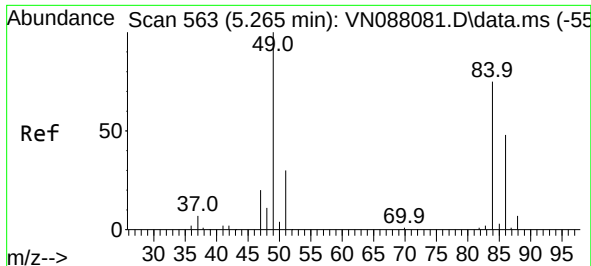
Tgt Ion:168 Resp: 226578
Ion Ratio Lower Upper
168 100
99 74.1 57.2 85.8



#16
Acetone
Concen: 70.867 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088255.D
Acq: 11 Nov 2025 14:25

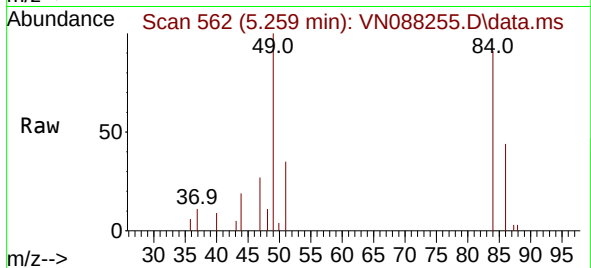
Tgt Ion: 43 Resp: 139492
Ion Ratio Lower Upper
43 100
58 26.9 22.6 33.8



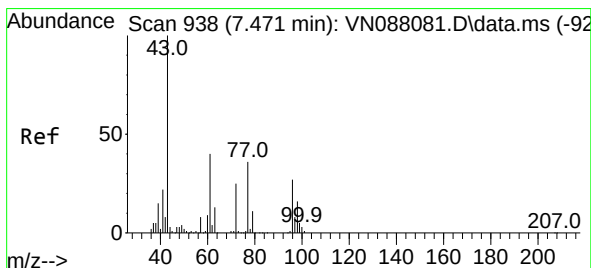
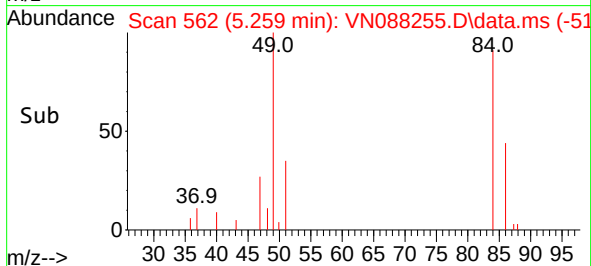
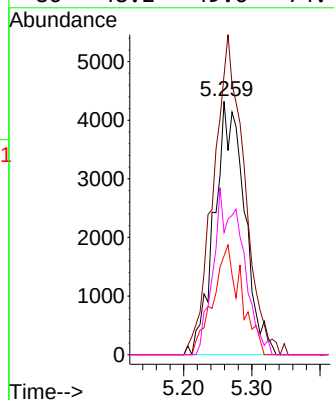


#20
Methylene Chloride
Concen: 4.037 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN088255.D
Acq: 11 Nov 2025 14:25

Instrument :
MSVOA_N
ClientSampleId :
LIVINGSTON-SOIL

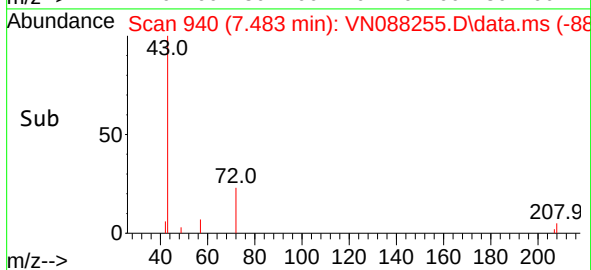
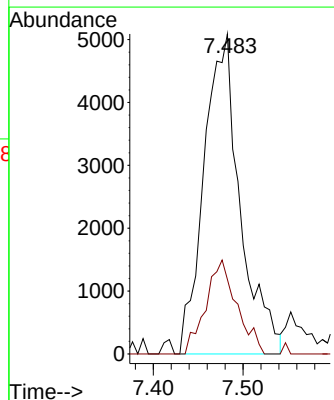
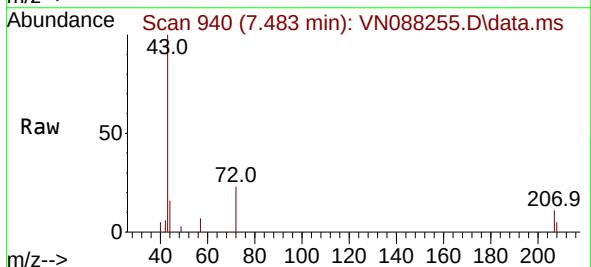


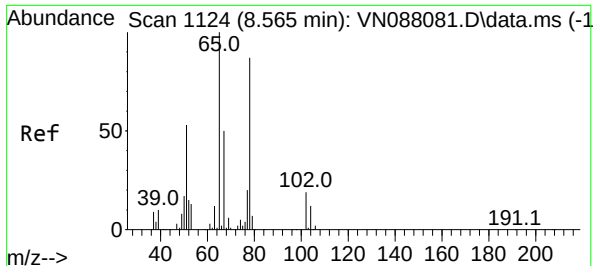
Tgt Ion:	84	Resp:	13339
Ion	Ratio	Lower	Upper
84	100		
49	110.3	103.4	155.2
51	39.0	33.8	50.8
86	48.2	49.6	74.4



#25
2-Butanone
Concen: 5.486 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN088255.D
Acq: 11 Nov 2025 14:25

Tgt Ion:	43	Resp:	14231
Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.9	29.9





#33

1,2-Dichloroethane-d4

Concen: 60.066 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088255.D

Acq: 11 Nov 2025 14:25

Instrument :

MSVOA_N

ClientSampleId :

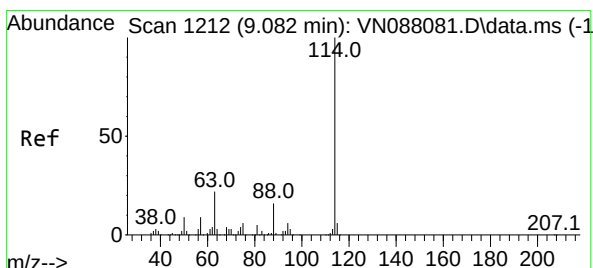
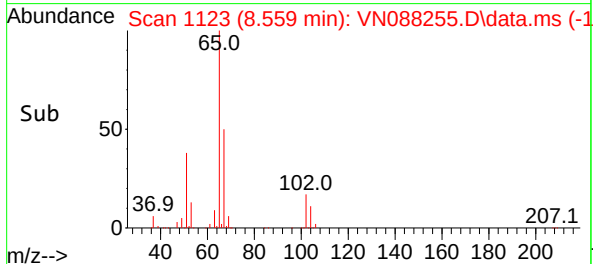
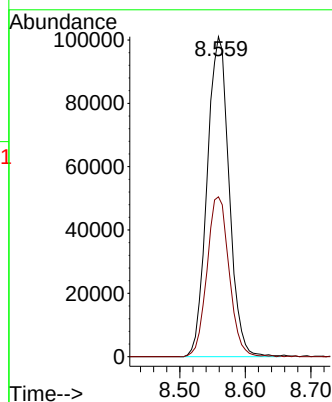
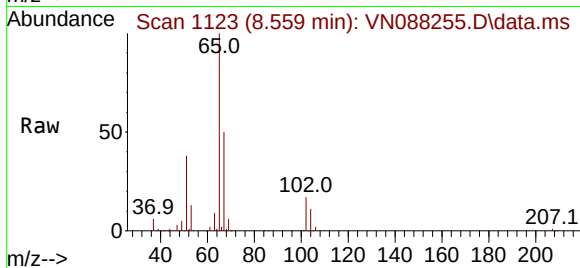
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Tgt Ion: 65 Resp: 235338

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088255.D

Acq: 11 Nov 2025 14:25

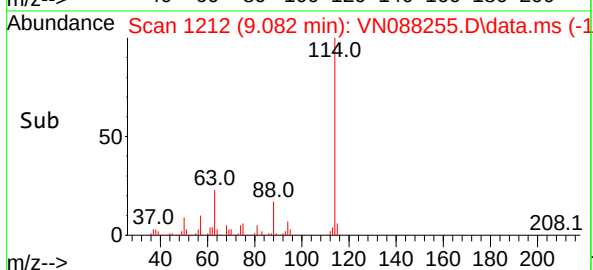
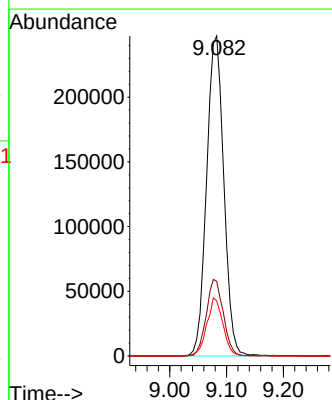
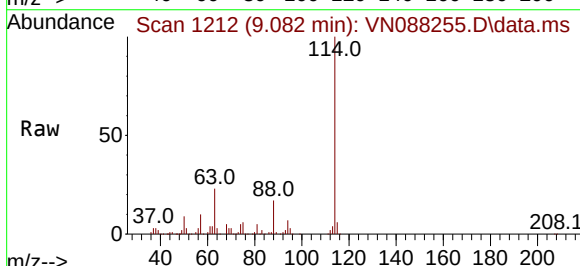
Tgt Ion: 114 Resp: 518714

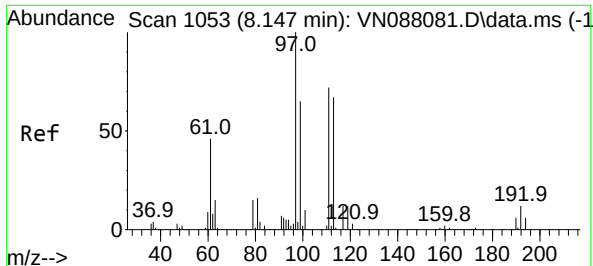
Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.2

88 17.2 0.0 33.4

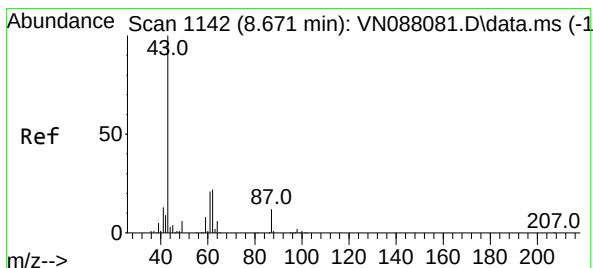
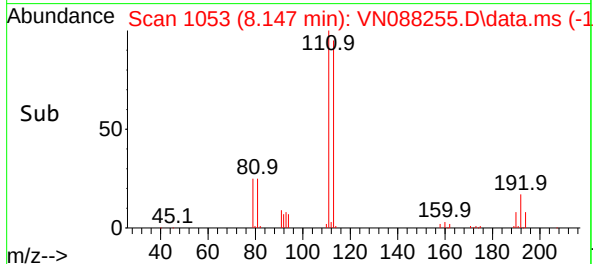
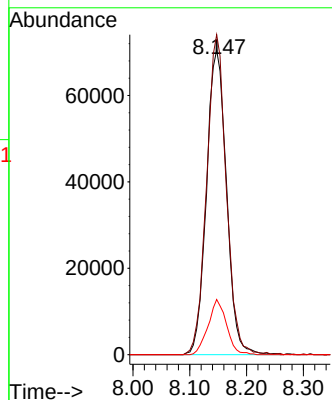
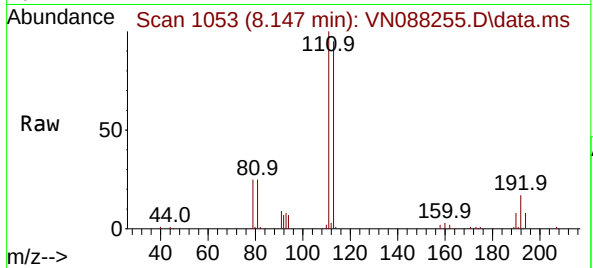




#35
Dibromofluoromethane
Concen: 49.418 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088255.D
Acq: 11 Nov 2025 14:25

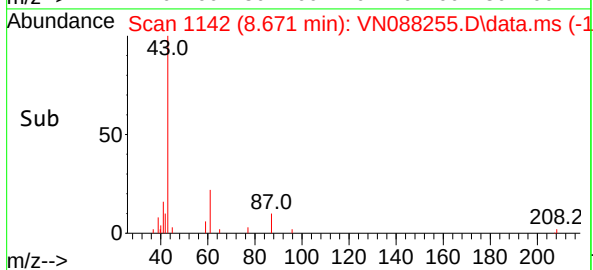
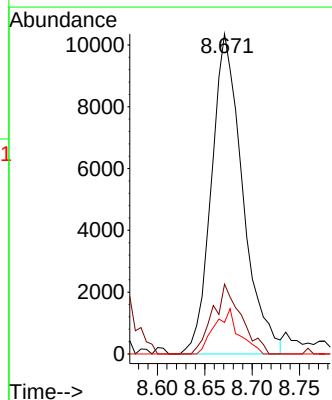
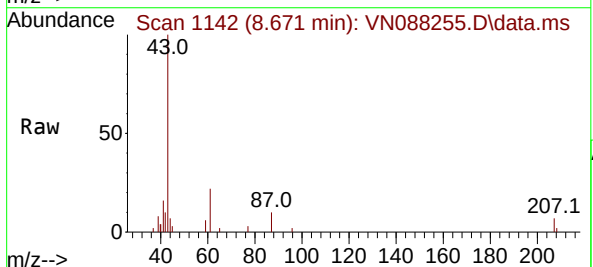
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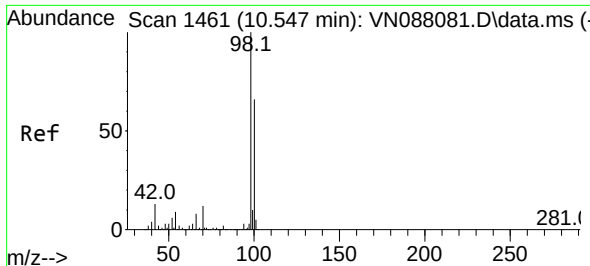
Tgt Ion:113 Resp: 172210
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 16.7 12.8 19.2



#43
Isopropyl Acetate
Concen: 2.349 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088255.D
Acq: 11 Nov 2025 14:25

Tgt Ion: 43 Resp: 23701
Ion Ratio Lower Upper
43 100
61 20.0 18.8 28.2
87 11.0 9.6 14.4

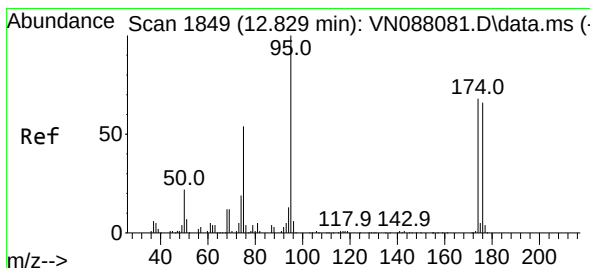
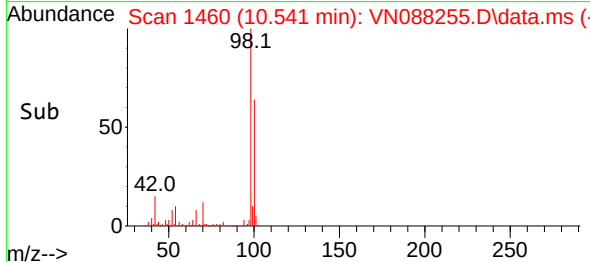
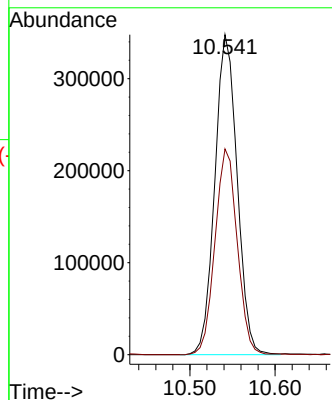
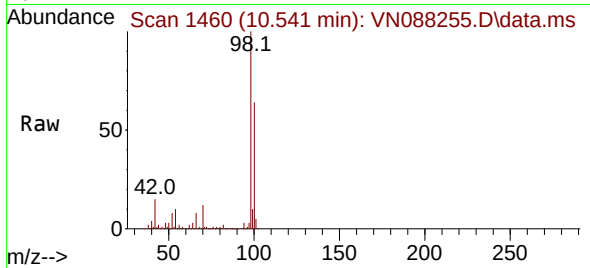




#50
Toluene-d8
Concen: 47.168 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088255.D
Acq: 11 Nov 2025 14:25

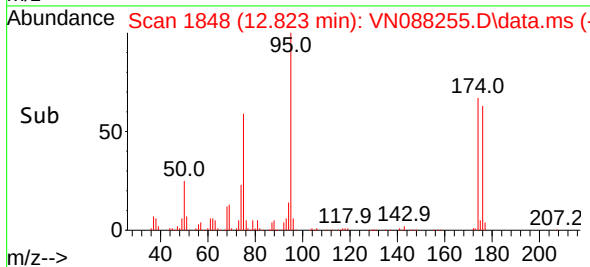
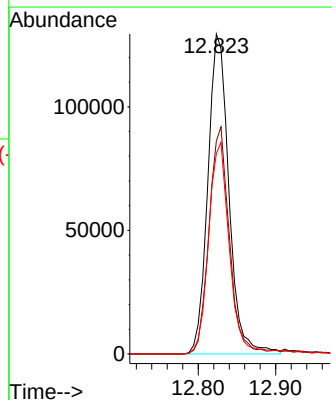
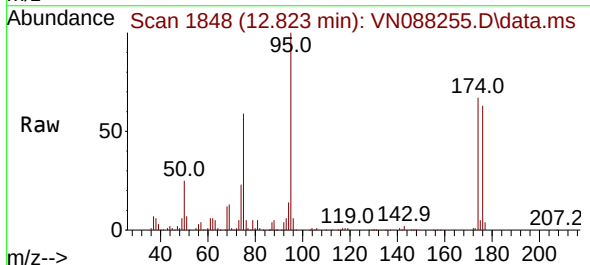
Instrument :
MSVOA_N
ClientSampleId :
LIVINGSTON-SOIL

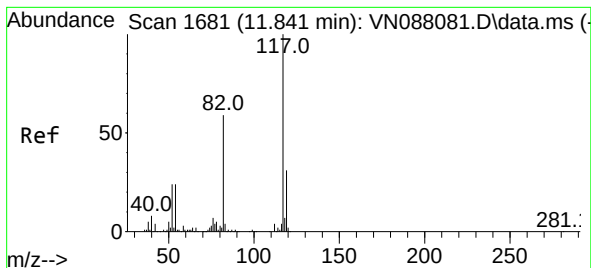
Tgt Ion: 98 Resp: 633345
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 51.519 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088255.D
Acq: 11 Nov 2025 14:25

Tgt Ion: 95 Resp: 244306
Ion Ratio Lower Upper
95 100
174 69.8 0.0 138.4
176 64.6 0.0 132.6

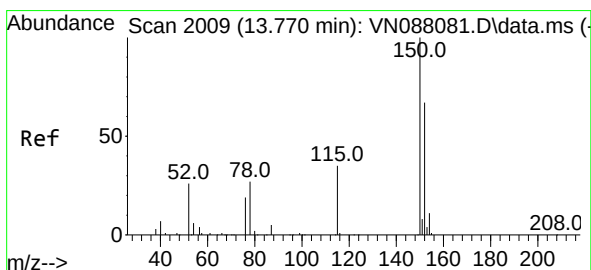
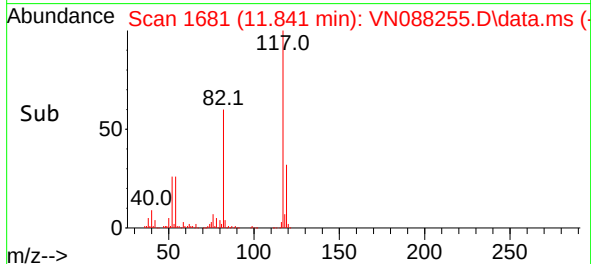
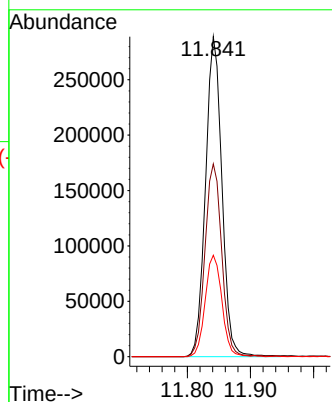
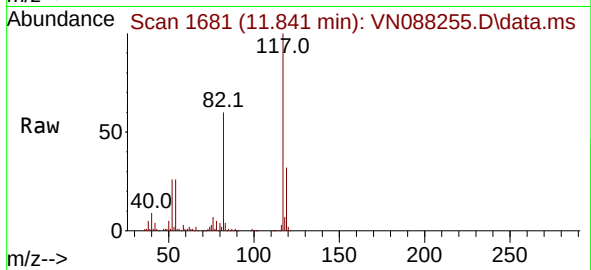




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088255.D
Acq: 11 Nov 2025 14:25

Instrument :
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Tgt Ion:117 Resp: 521988
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 31.7 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.765 min Scan# 2008
Delta R.T. -0.000 min
Lab File: VN088255.D
Acq: 11 Nov 2025 14:25

Tgt Ion:152 Resp: 248779
Ion Ratio Lower Upper
152 100
115 65.6 32.3 96.8
150 158.9 0.0 351.0

