

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100125\
 Data File : VN088010.D
 Acq On : 01 Oct 2025 12:38
 Operator : JC\MD
 Sample : Q3256-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE-2-WC

Quant Time: Oct 01 13:14:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

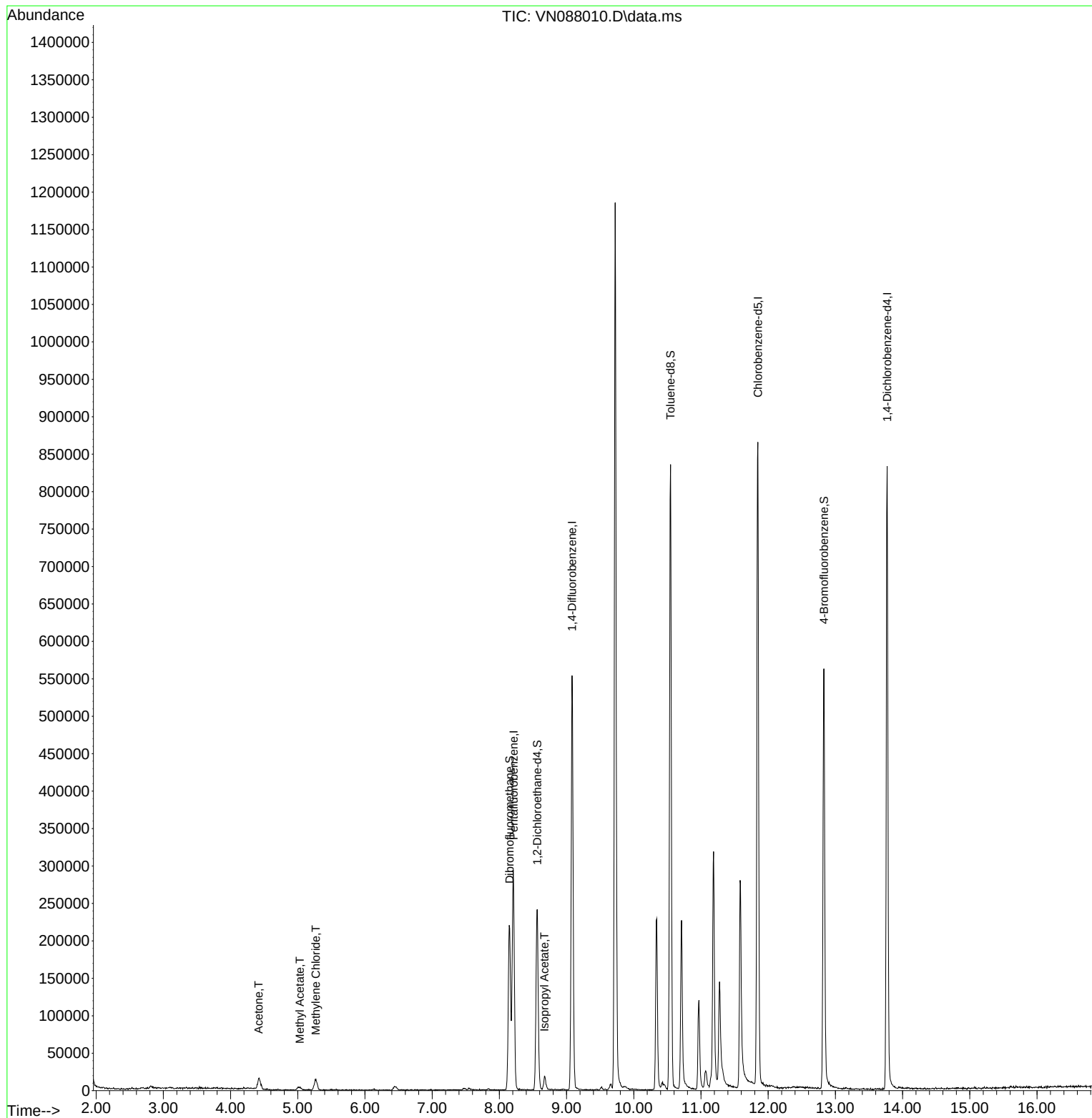
Internal Standards						
1) Pentafluorobenzene	8.212	168	200565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	461587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	498313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	222054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	202936	60.123	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.240%
35) Dibromofluoromethane	8.153	113	159452	47.578	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.160%
50) Toluene-d8	10.547	98	563291	47.795	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.600%
62) 4-Bromofluorobenzene	12.829	95	197898	46.977	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.960%
Target Compounds						
					Qvalue	
16) Acetone	4.418	43	27921	20.105	ug/l	95
18) Methyl Acetate	5.030	43	8441	2.429	ug/l #	77
20) Methylene Chloride	5.271	84	10849	3.859	ug/l #	95
43) Isopropyl Acetate	8.671	43	21106	2.534	ug/l #	90

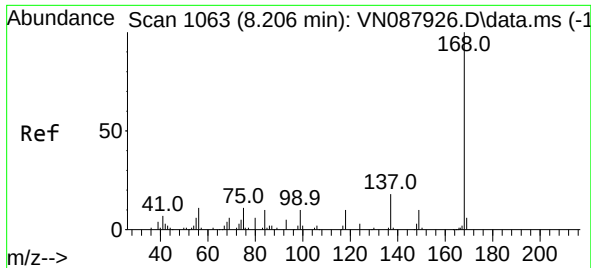
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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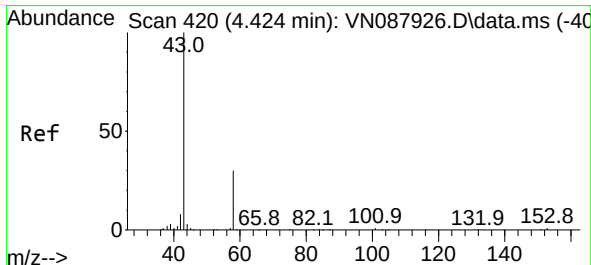
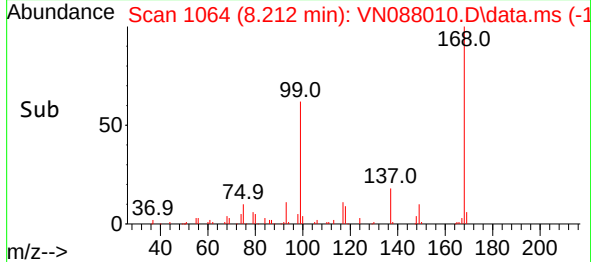
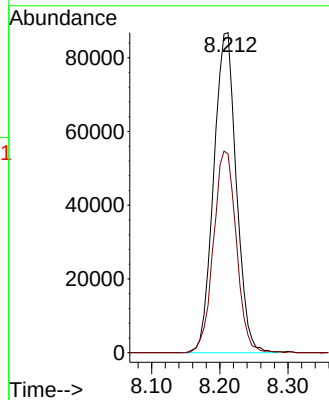
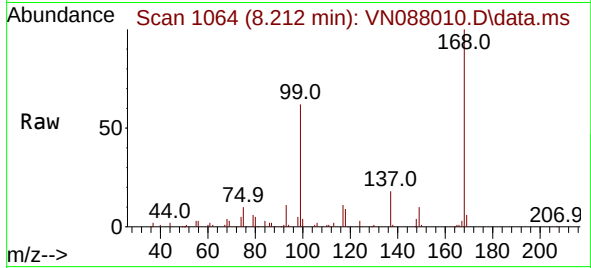




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN088010.D
Acq: 01 Oct 2025 12:38

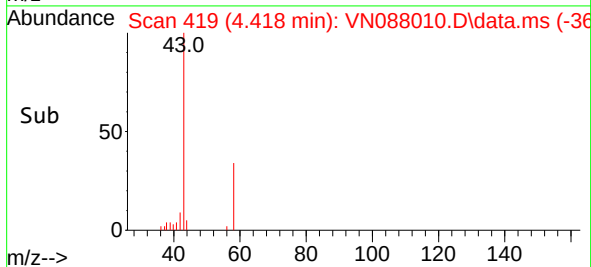
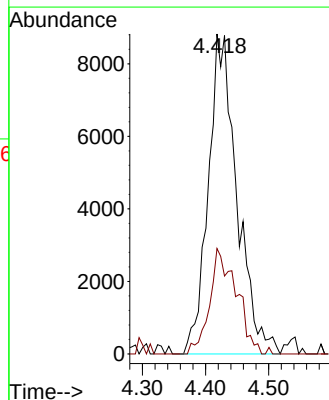
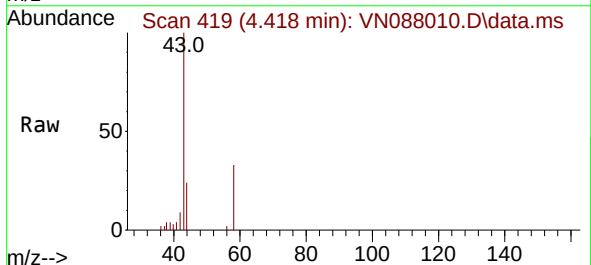
Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE-2-WC

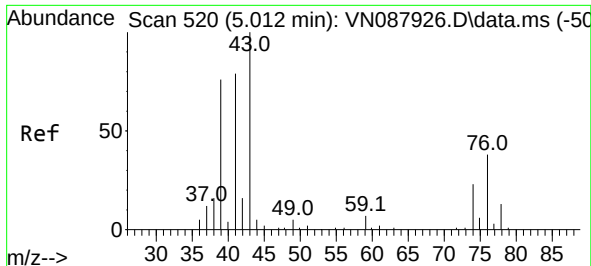
Tgt Ion:168 Resp: 200565
Ion Ratio Lower Upper
168 100
99 62.1 52.2 78.2



#16
Acetone
Concen: 20.105 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088010.D
Acq: 01 Oct 2025 12:38

Tgt Ion: 43 Resp: 27921
Ion Ratio Lower Upper
43 100
58 32.9 24.1 36.1

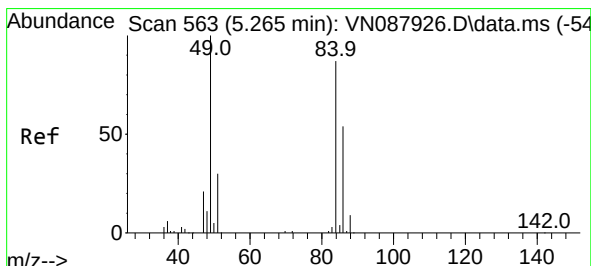
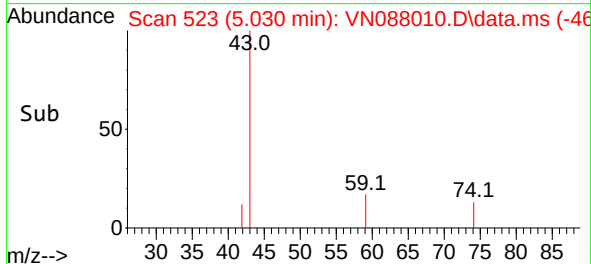
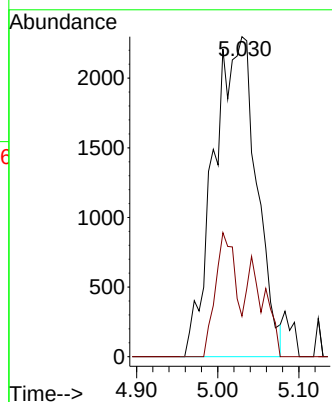
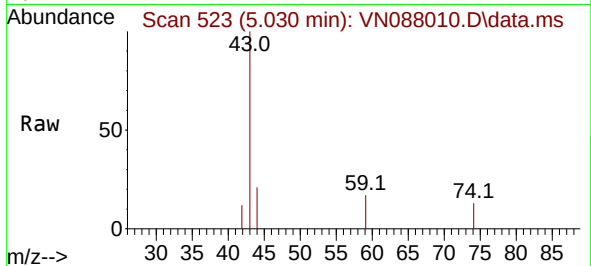




#18
Methyl Acetate
Concen: 2.429 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN088010.D
Acq: 01 Oct 2025 12:38

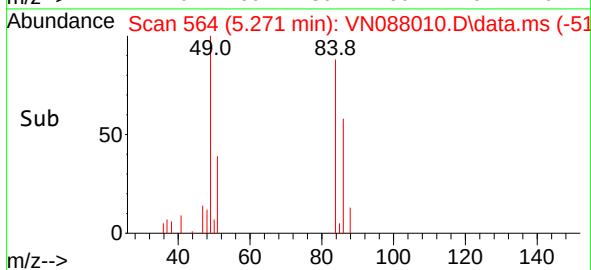
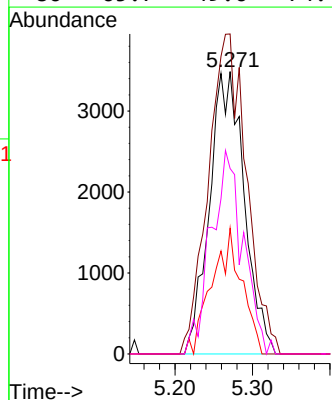
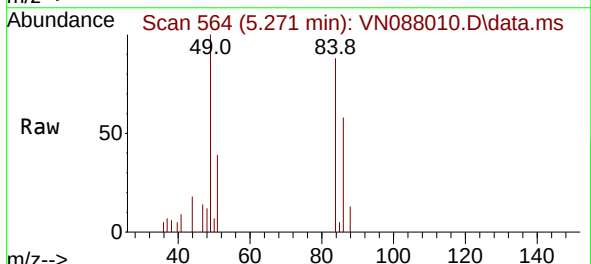
Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE-2-WC

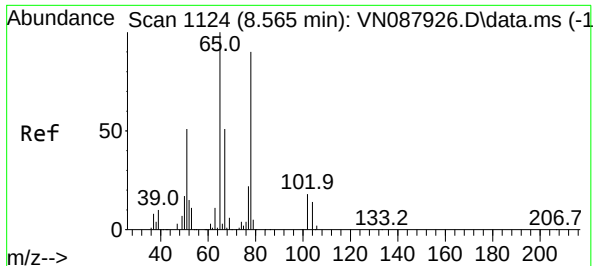
Tgt Ion: 43 Resp: 8441
Ion Ratio Lower Upper
43 100
74 13.1 19.7 29.5#



#20
Methylene Chloride
Concen: 3.859 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN088010.D
Acq: 01 Oct 2025 12:38

Tgt Ion: 84 Resp: 10849
Ion Ratio Lower Upper
84 100
49 113.3 92.1 138.1
51 44.5 27.7 41.5#
86 65.7 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 60.123 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN088010.D

Acq: 01 Oct 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

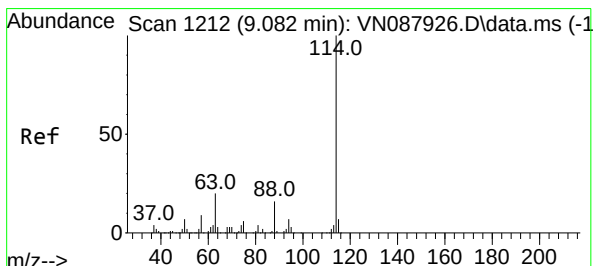
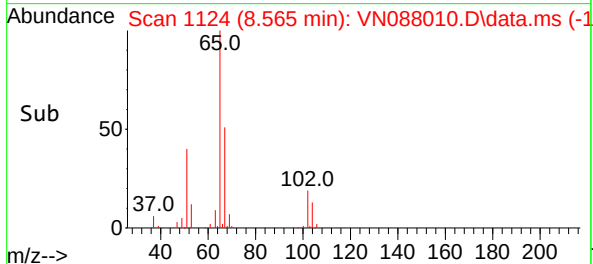
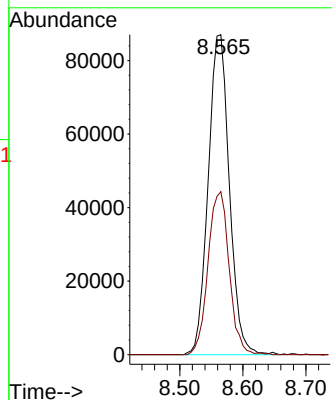
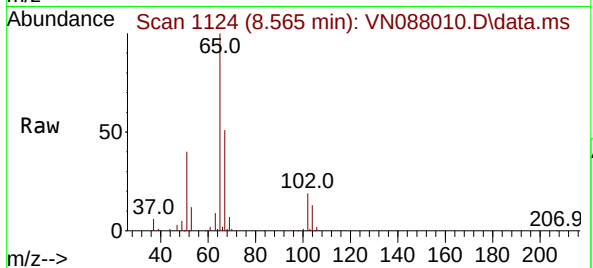
SOIL-PILE-2-WC

Tgt Ion: 65 Resp: 202936

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088010.D

Acq: 01 Oct 2025 12:38

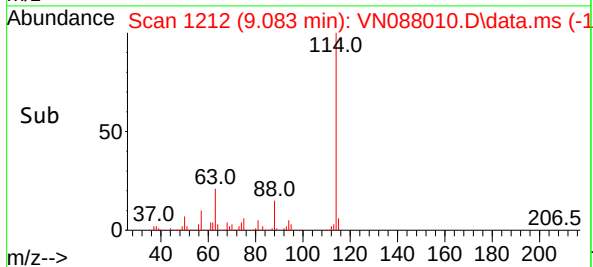
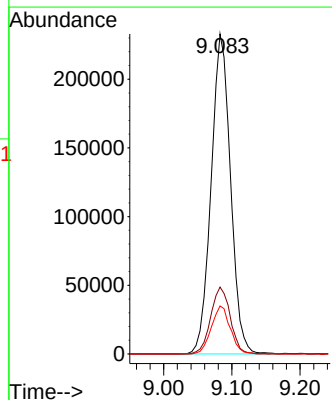
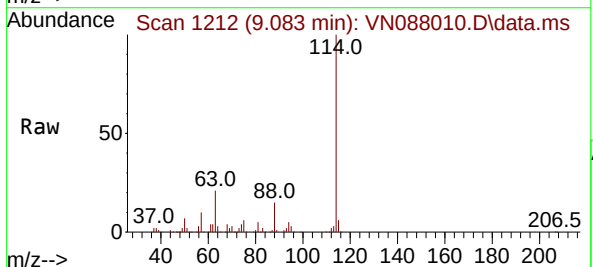
Tgt Ion: 114 Resp: 461587

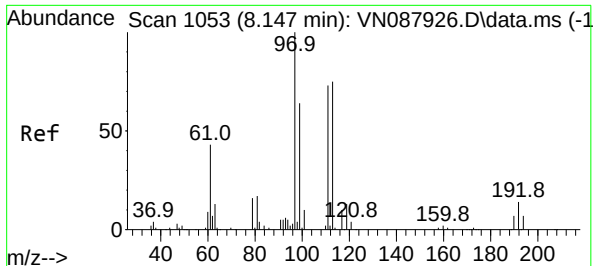
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.0 0.0 31.8

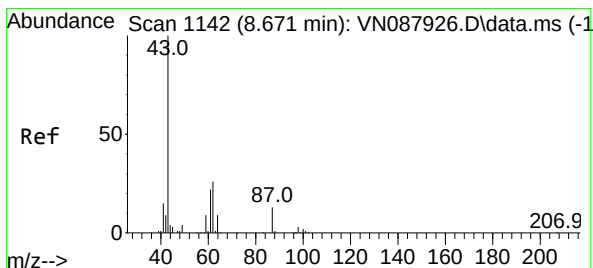
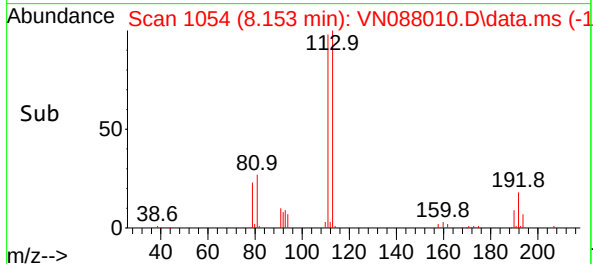
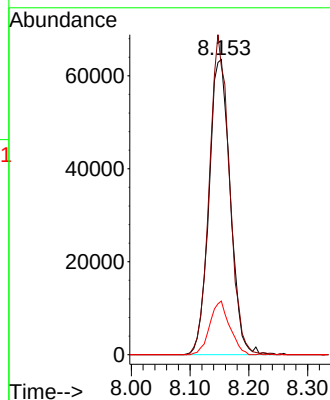
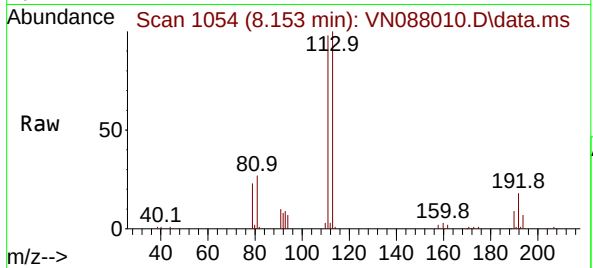




#35
Dibromofluoromethane
Concen: 47.578 ug/l
RT: 8.153 min Scan# 1113
Delta R.T. 0.006 min
Lab File: VN088010.D
Acq: 01 Oct 2025 12:38

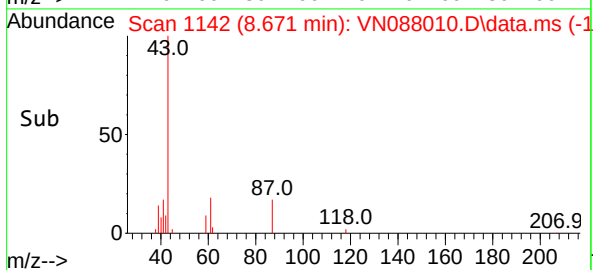
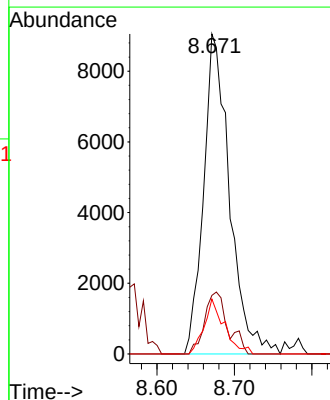
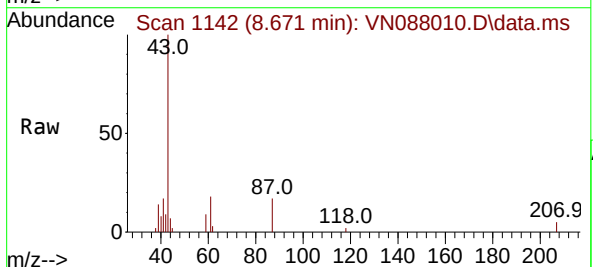
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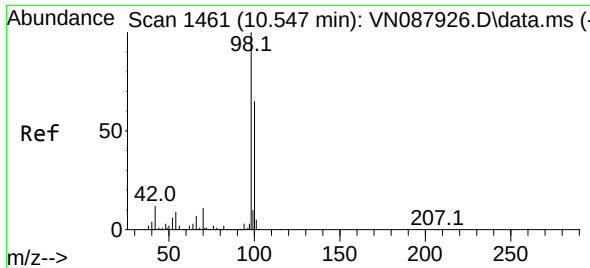
Tgt Ion:113 Resp: 159452
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 17.0 14.2 21.2



#43
Isopropyl Acetate
Concen: 2.534 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN088010.D
Acq: 01 Oct 2025 12:38

Tgt Ion: 43 Resp: 21106
Ion Ratio Lower Upper
43 100
61 17.2 20.2 30.2#
87 13.4 10.9 16.3

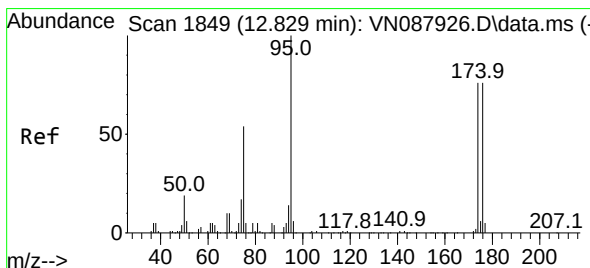
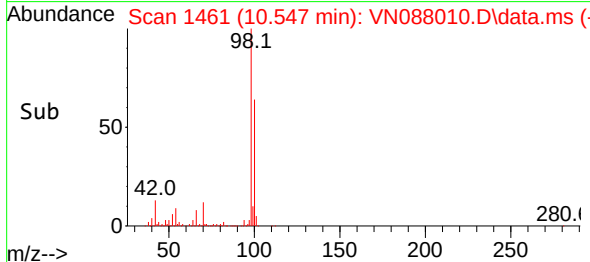
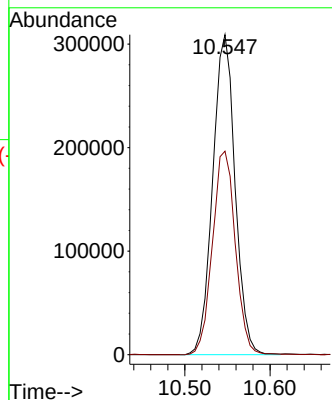
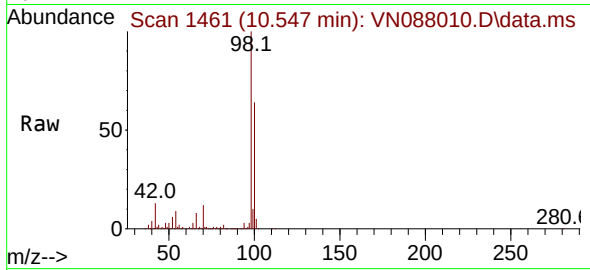




#50
Toluene-d8
Concen: 47.795 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088010.D
Acq: 01 Oct 2025 12:38

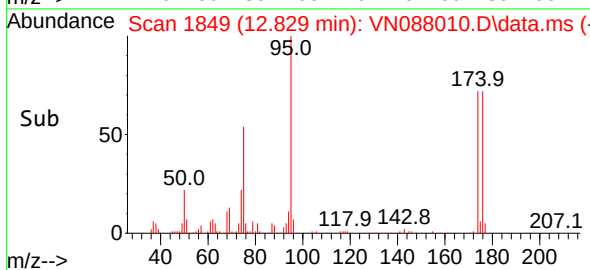
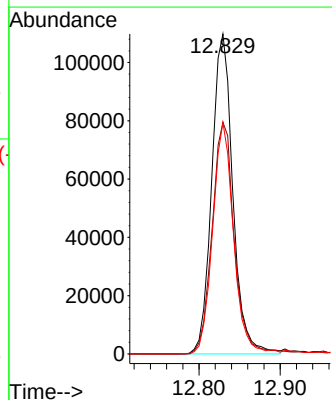
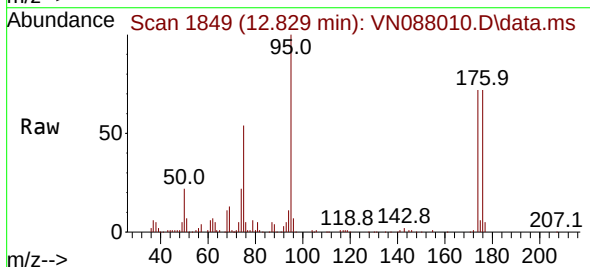
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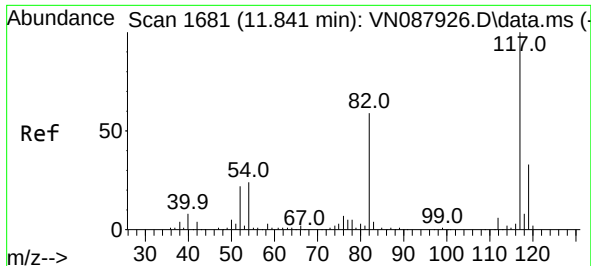
Tgt Ion: 98 Resp: 563291
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.977 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088010.D
Acq: 01 Oct 2025 12:38

Tgt Ion: 95 Resp: 197898
Ion Ratio Lower Upper
95 100
174 76.7 0.0 159.2
176 71.6 0.0 152.6

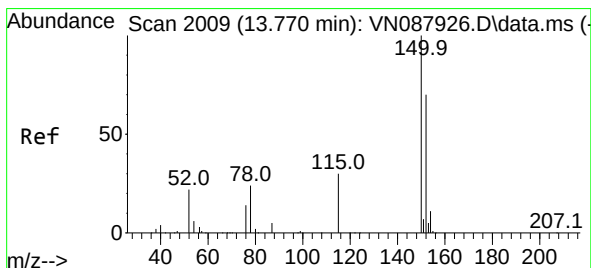
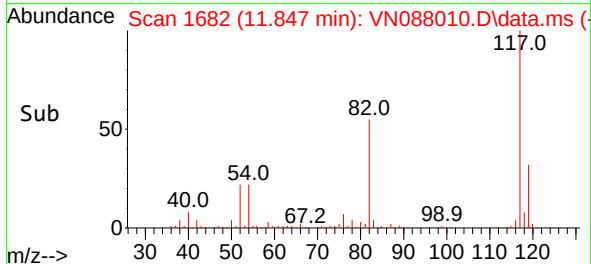
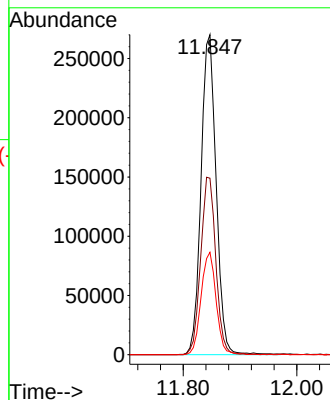
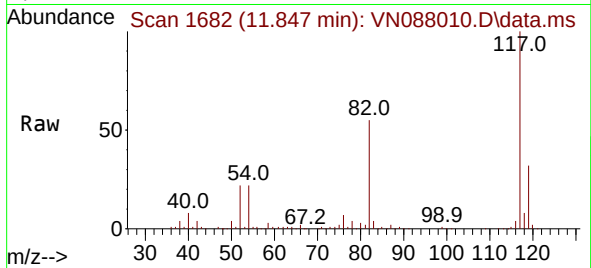




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN088010.D
Acq: 01 Oct 2025 12:38

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Tgt Ion:117 Resp: 498313
Ion Ratio Lower Upper
117 100
82 55.1 47.0 70.4
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088010.D
Acq: 01 Oct 2025 12:38

Tgt Ion:152 Resp: 222054
Ion Ratio Lower Upper
152 100
115 63.8 29.9 89.7
150 158.9 0.0 335.0

