

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088522.D
 Acq On : 16 Dec 2025 13:04
 Operator : JC\MD
 Sample : PB170929TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB170929TB

Quant Time: Dec 17 01:39:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

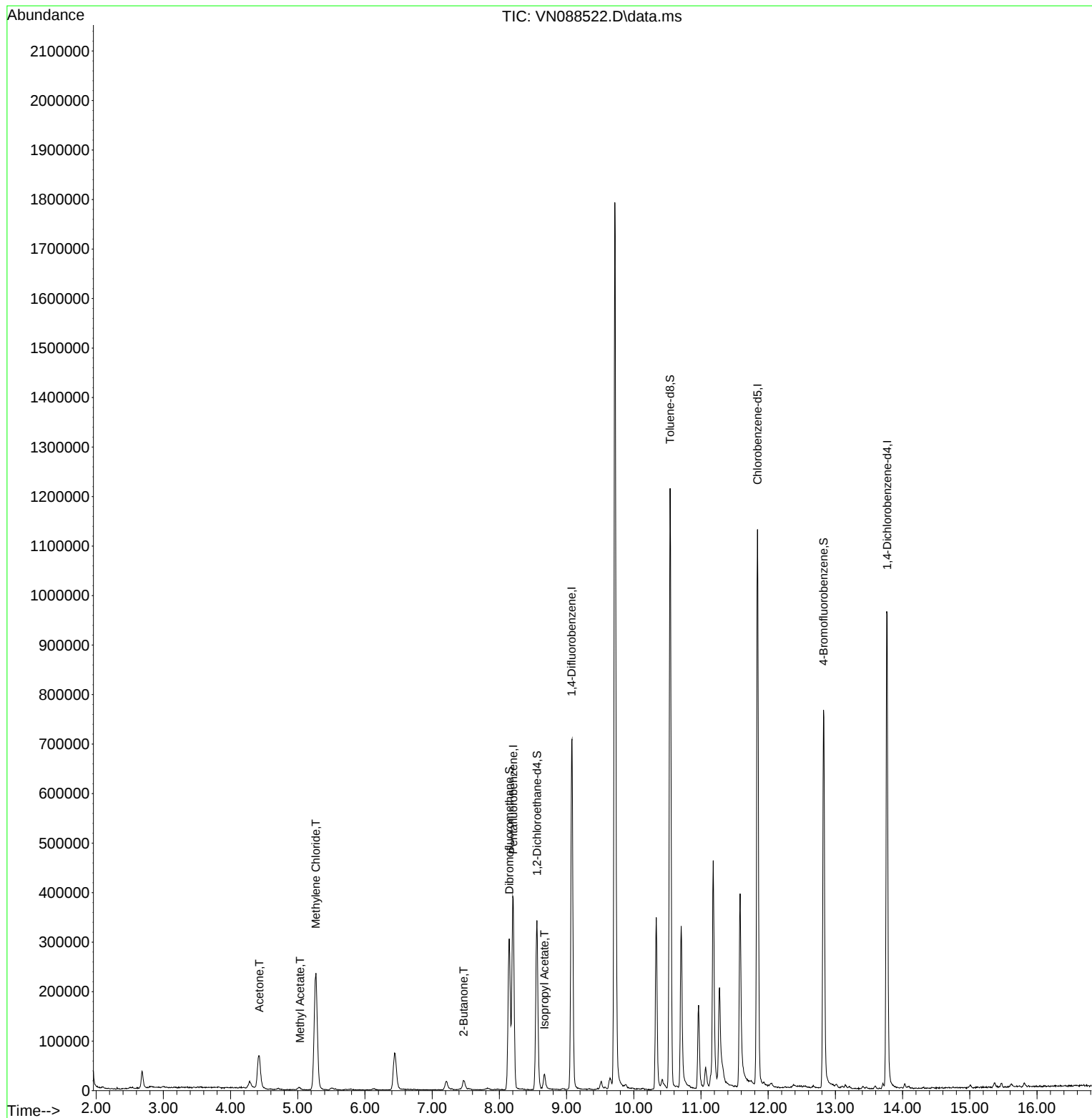
Internal Standards						
1) Pentafluorobenzene	8.206	168	264828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	599101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	614763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	267582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	292011	58.533	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	117.060%	
35) Dibromofluoromethane	8.147	113	223537	53.842	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	107.680%	
50) Toluene-d8	10.541	98	823162	53.287	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	106.580%	
62) 4-Bromofluorobenzene	12.823	95	294842	55.626	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	111.260%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	141370	78.355	ug/l	92
18) Methyl Acetate	5.036	43	9445	1.759	ug/l	95
20) Methylene Chloride	5.271	84	185885	48.155	ug/l	93
25) 2-Butanone	7.471	43	34460	11.881	ug/l	96
43) Isopropyl Acetate	8.671	43	37609	2.922	ug/l	95

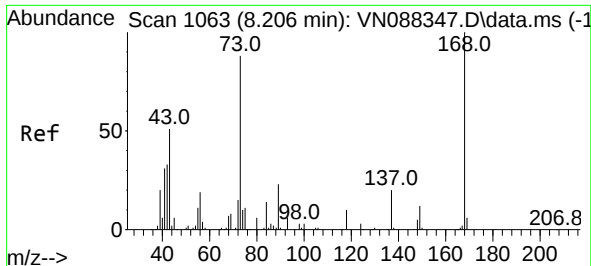
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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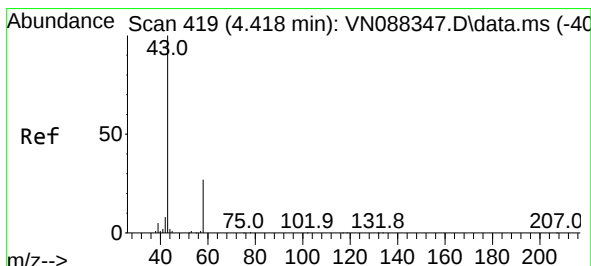
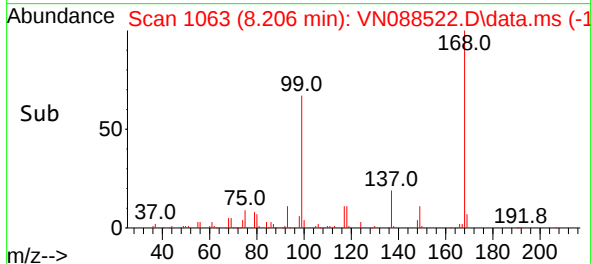
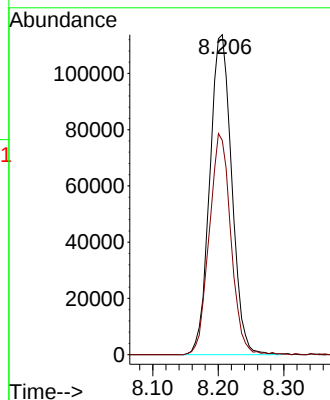
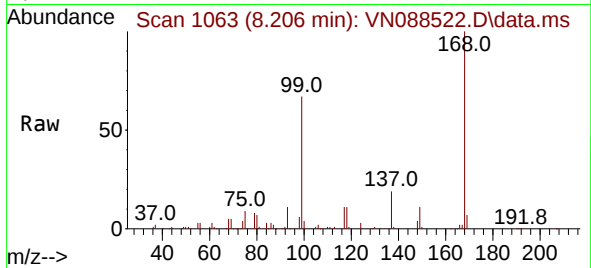




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

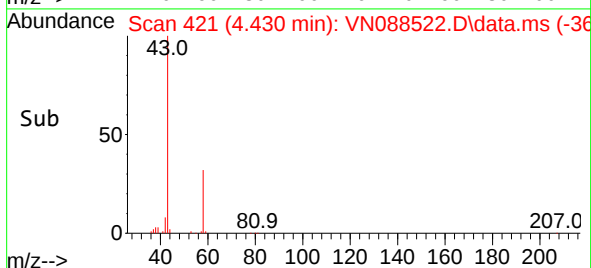
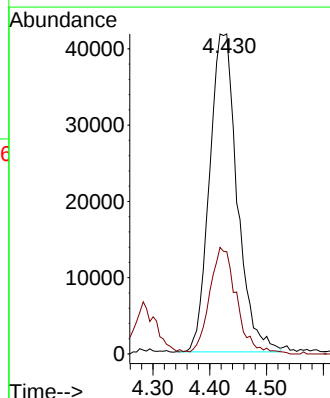
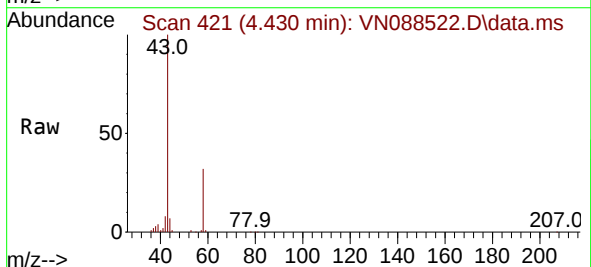
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

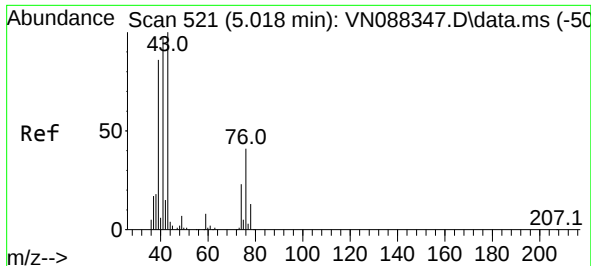
Tgt Ion:168 Resp: 264828
Ion Ratio Lower Upper
168 100
99 66.9 57.1 85.7



#16
Acetone
Concen: 78.355 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 43 Resp: 141370
Ion Ratio Lower Upper
43 100
58 31.5 21.7 32.5

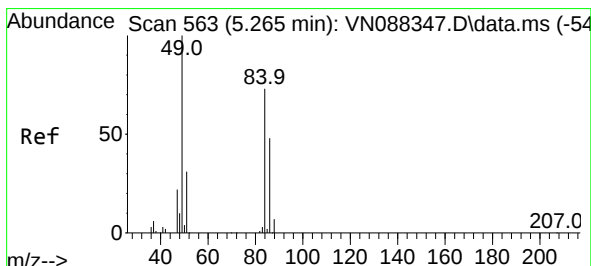
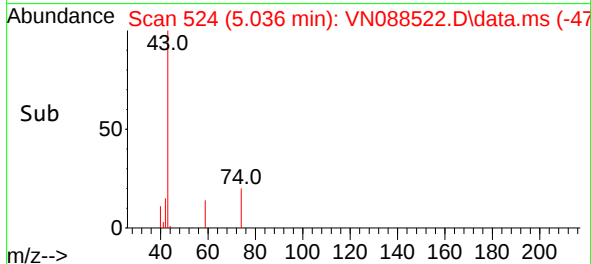
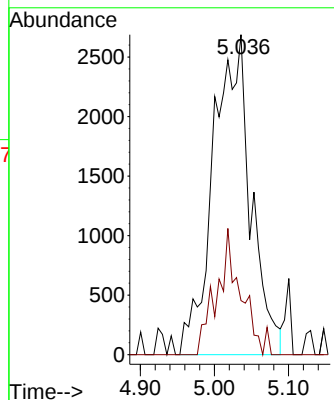
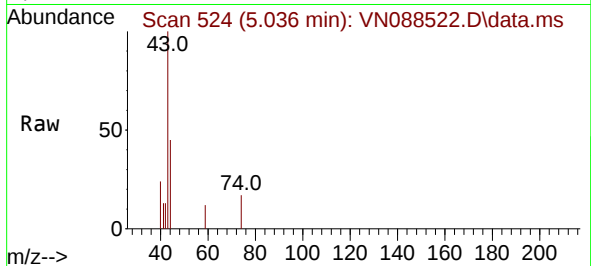




#18
Methyl Acetate
Concen: 1.759 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

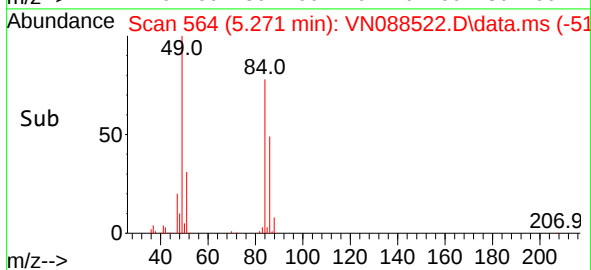
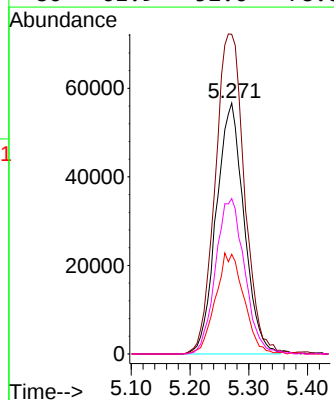
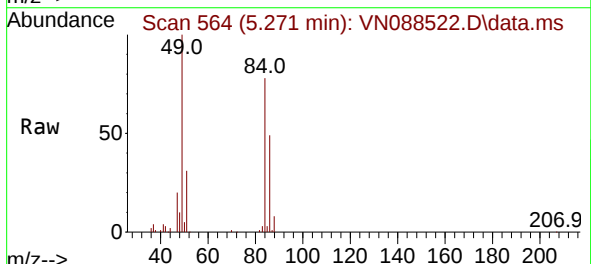
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

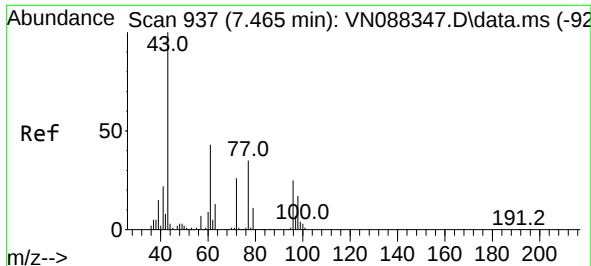
Tgt Ion: 43 Resp: 9445
Ion Ratio Lower Upper
43 100
74 24.6 17.9 26.9



#20
Methylene Chloride
Concen: 48.155 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 84 Resp: 185885
Ion Ratio Lower Upper
84 100
49 127.4 110.2 165.2
51 39.7 34.1 51.1
86 61.9 52.6 78.8

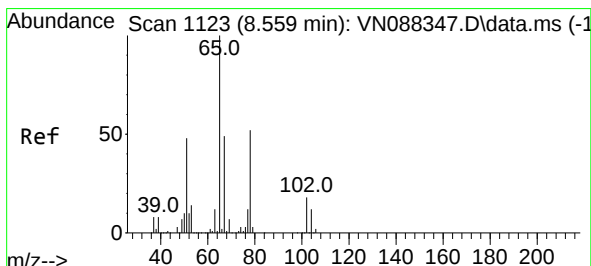
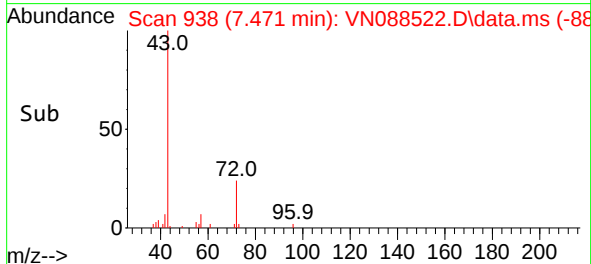
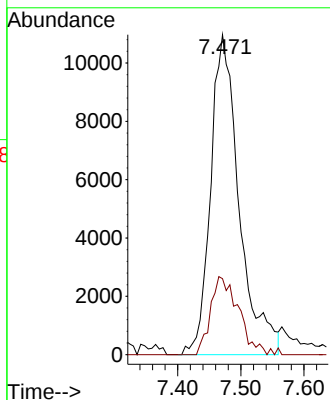
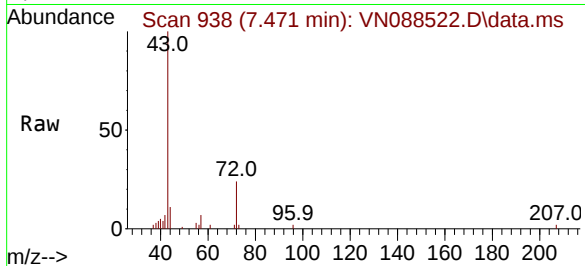




#25
2-Butanone
Concen: 11.881 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

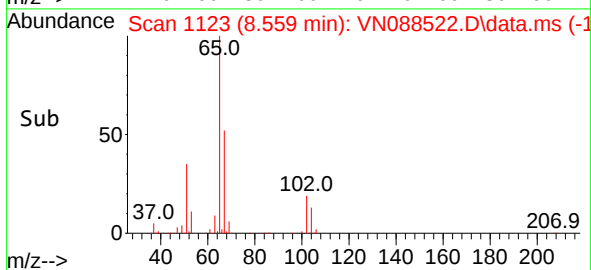
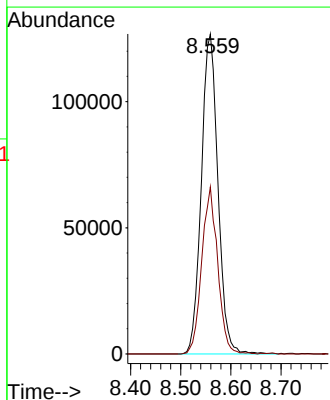
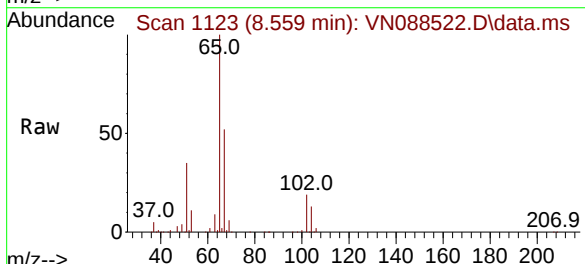
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

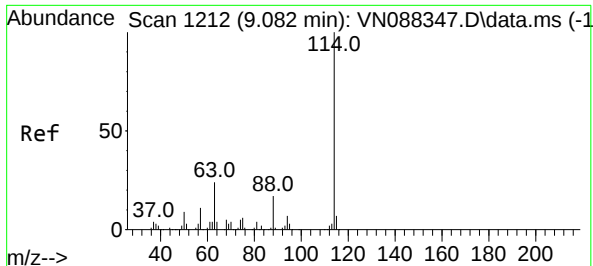
Tgt Ion: 43 Resp: 34460
Ion Ratio Lower Upper
43 100
72 23.7 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 58.533 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 65 Resp: 292011
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

PB170929TB

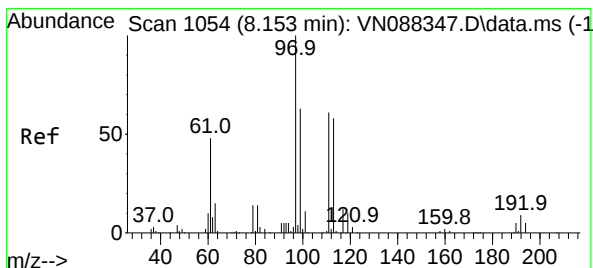
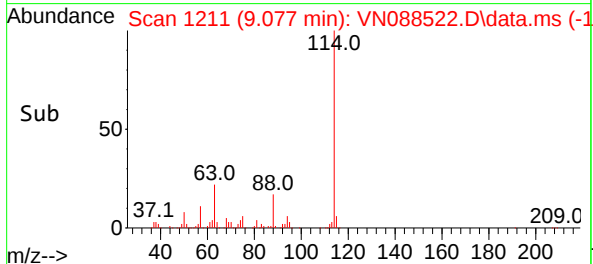
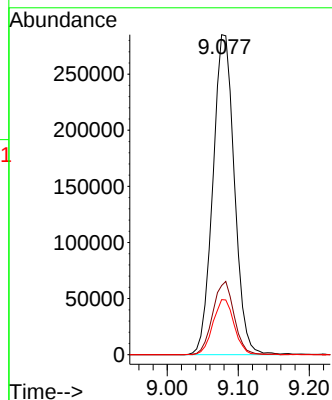
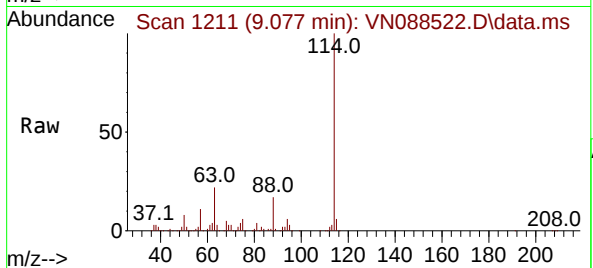
Tgt Ion:114 Resp: 599101

Ion Ratio Lower Upper

114 100

63 21.6 0.0 49.0

88 17.2 0.0 34.0



#35

Dibromofluoromethane

Concen: 53.842 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

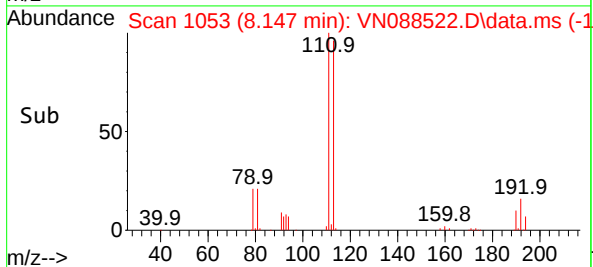
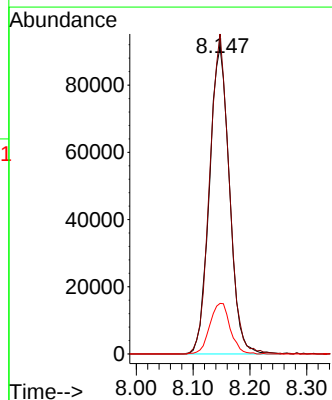
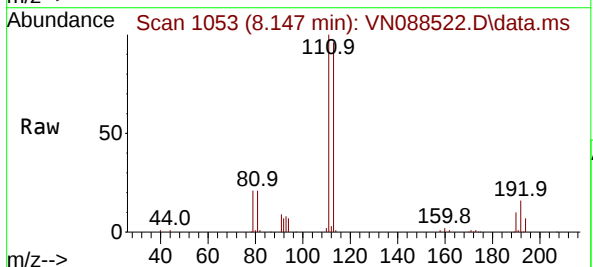
Tgt Ion:113 Resp: 223537

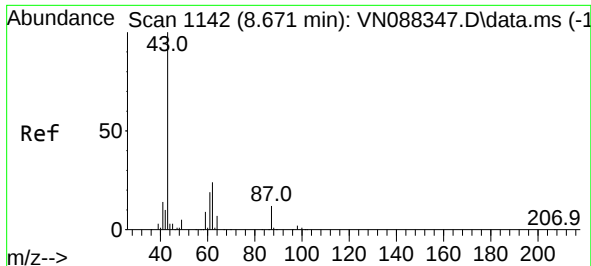
Ion Ratio Lower Upper

113 100

111 101.3 82.5 123.7

192 16.7 12.8 19.2

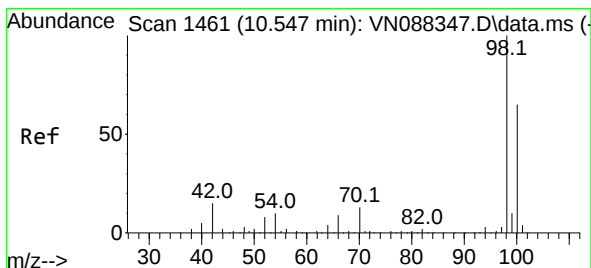
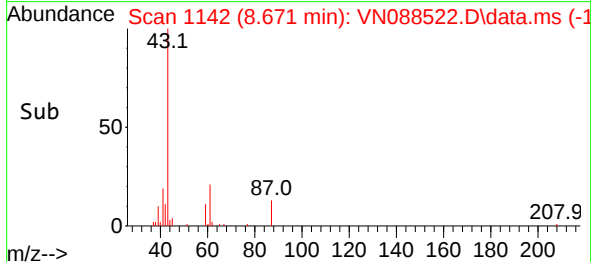
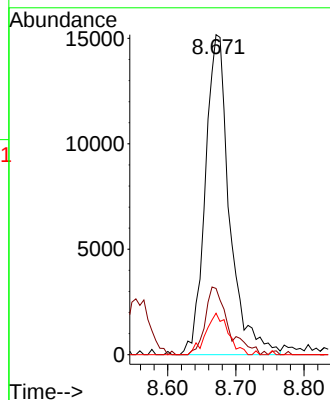
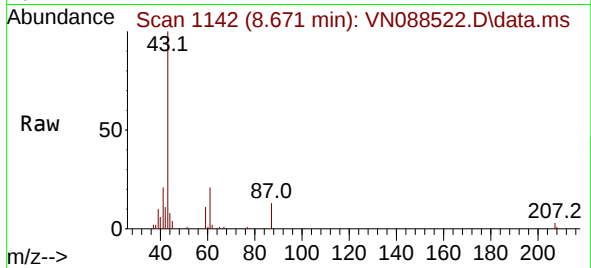




#43
Isopropyl Acetate
Concen: 2.922 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

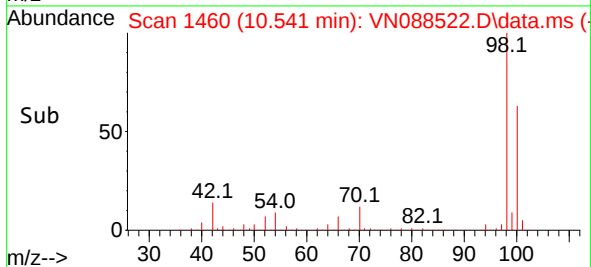
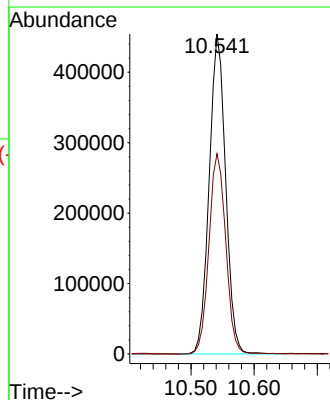
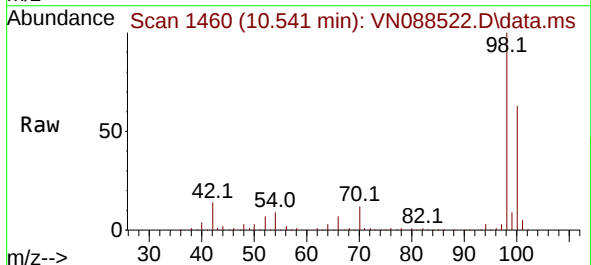
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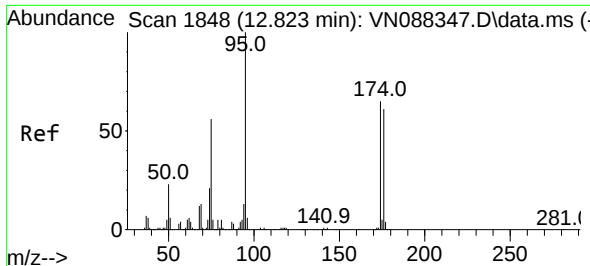
Tgt Ion: 43 Resp: 37609
Ion Ratio Lower Upper
43 100
61 20.1 18.7 28.1
87 11.9 9.1 13.7



#50
Toluene-d8
Concen: 53.287 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 98 Resp: 823162
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2

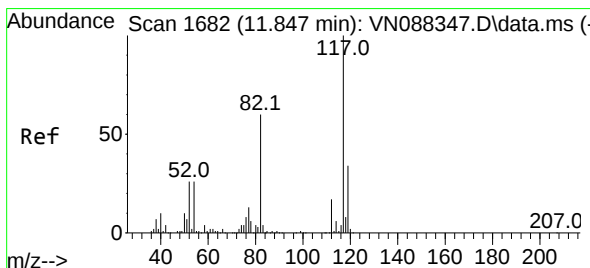
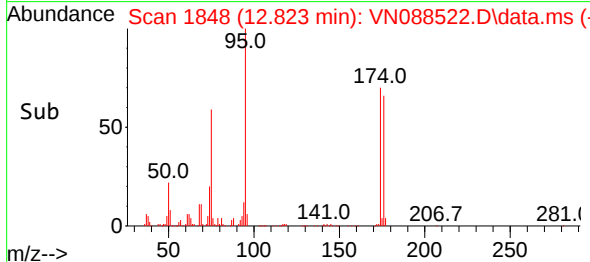
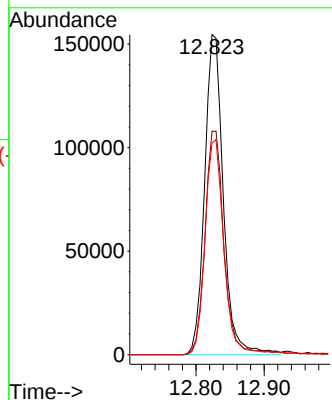
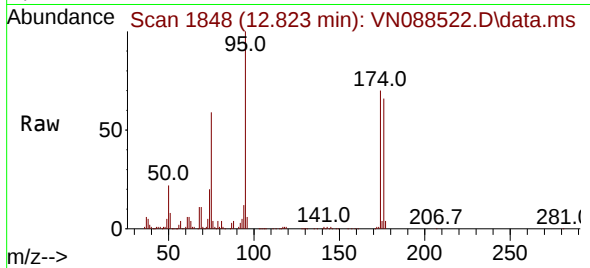




#62
4-Bromofluorobenzene
Concen: 55.626 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

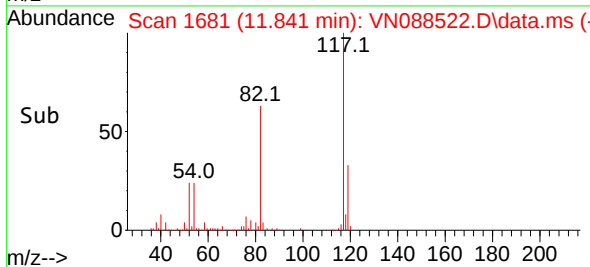
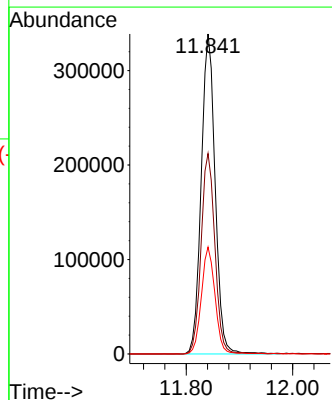
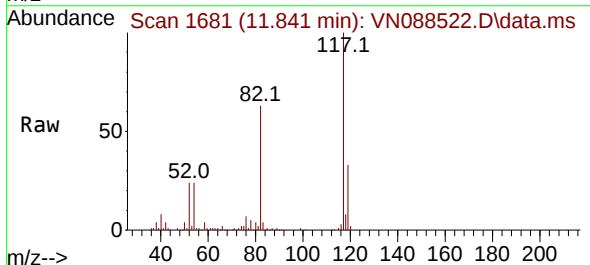
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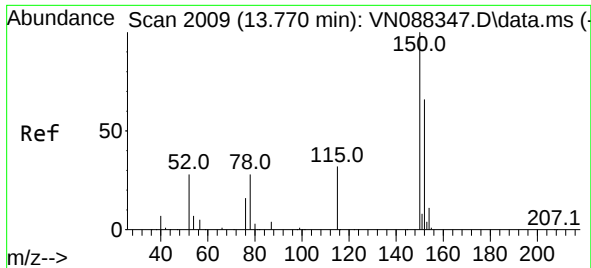
Tgt Ion: 95 Resp: 294842
Ion Ratio Lower Upper
95 100
174 71.4 0.0 139.0
176 67.4 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

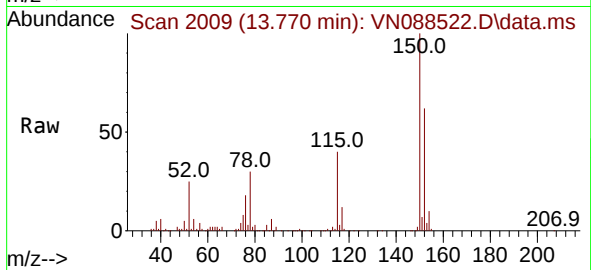
Tgt Ion: 117 Resp: 614763
Ion Ratio Lower Upper
117 100
82 62.6 47.8 71.8
119 33.4 26.9 40.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088522.D
 Acq: 16 Dec 2025 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:152 Resp: 267582

Ion	Ratio	Lower	Upper
152	100		
115	64.6	33.0	98.9
150	161.9	0.0	349.0

