

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088503.D
 Acq On : 10 Dec 2025 16:10
 Operator : JC\MD
 Sample : Q3814-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

Quant Time: Dec 11 02:10:41 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)

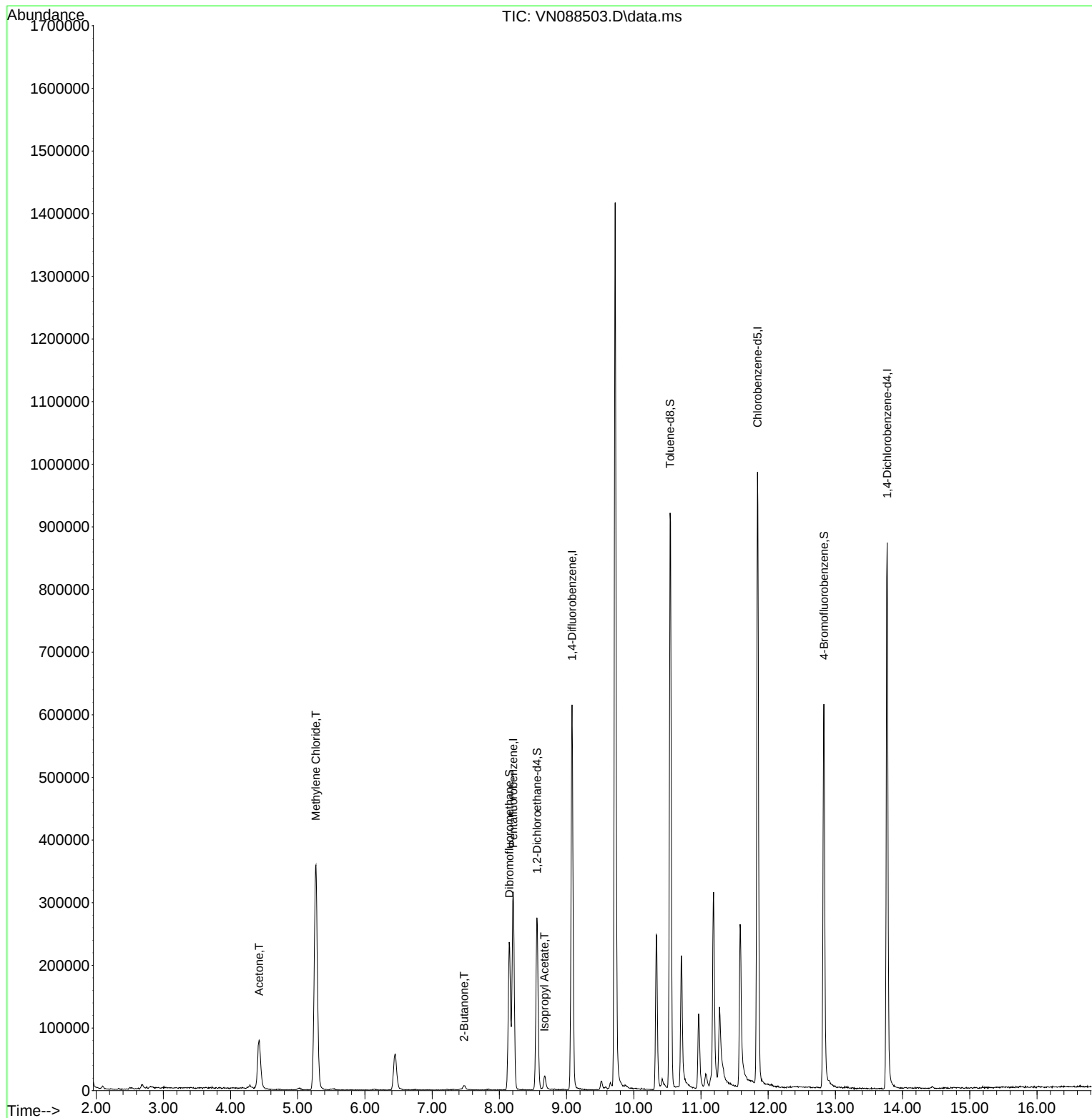
Internal Standards						
1) Pentafluorobenzene	8.206	168	201767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	481546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	516525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	224885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	236141	62.128	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 124.260%		
35) Dibromofluoromethane	8.147	113	167365	50.153	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.300%		
50) Toluene-d8	10.541	98	609488	49.087	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.180%		
62) 4-Bromofluorobenzene	12.829	95	219170	51.444	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 102.880%		
Target Compounds						
16) Acetone	4.424	43	166639	121.227	ug/l	99
20) Methylene Chloride	5.271	84	269961	91.793	ug/l	97
25) 2-Butanone	7.477	43	13983	6.328	ug/l #	84
43) Isopropyl Acetate	8.671	43	28232	2.729	ug/l #	92

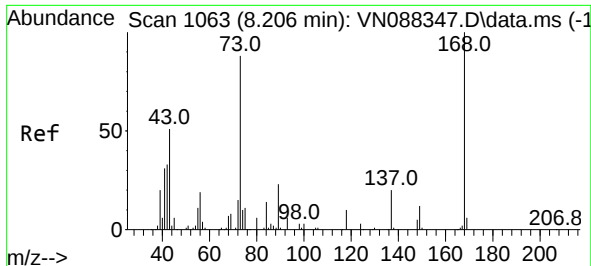
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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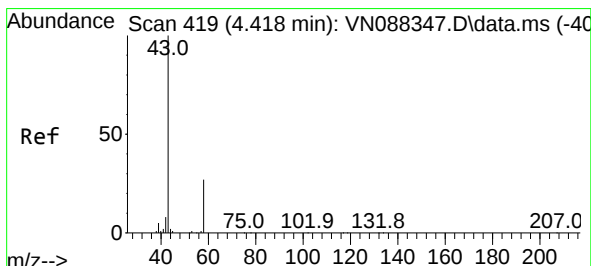
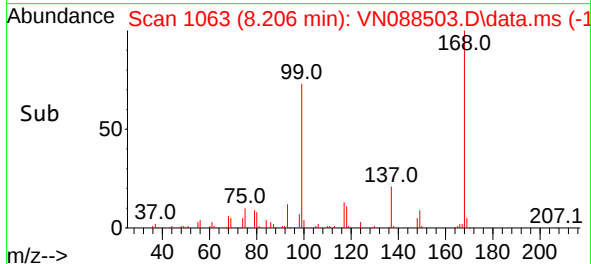
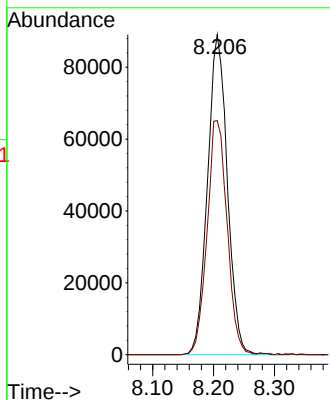
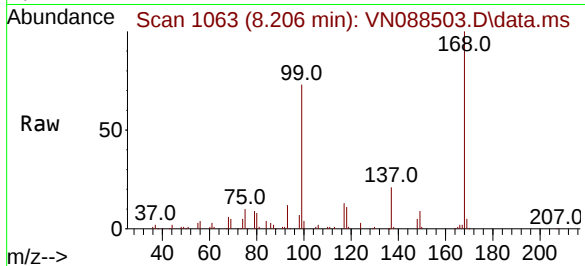




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088503.D
Acq: 10 Dec 2025 16:10

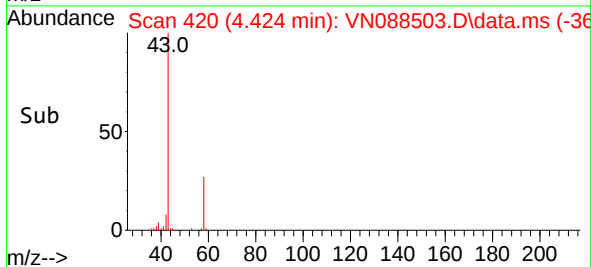
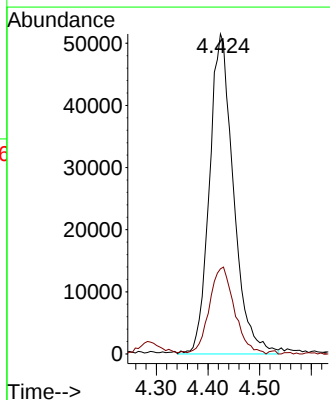
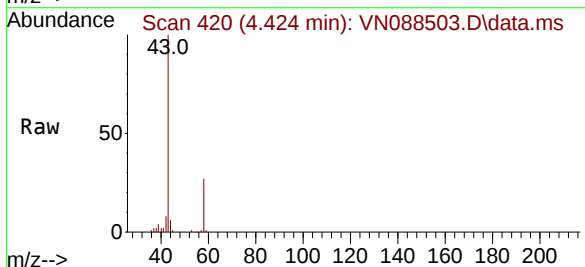
Instrument :
MSVOA_N
ClientSampleId :
TP-12

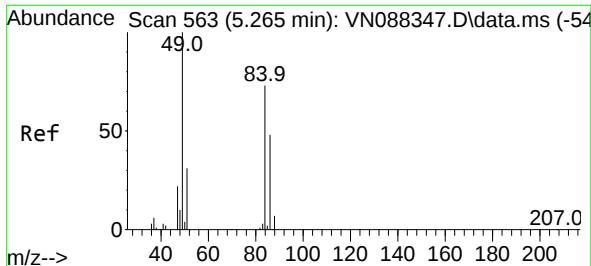
Tgt Ion:168 Resp: 201767
Ion Ratio Lower Upper
168 100
99 73.2 57.1 85.7



#16
Acetone
Concen: 121.227 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088503.D
Acq: 10 Dec 2025 16:10

Tgt Ion: 43 Resp: 166639
Ion Ratio Lower Upper
43 100
58 26.6 21.7 32.5





#20

Methylene Chloride

Concen: 91.793 ug/l

RT: 5.271 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN088503.D

Acq: 10 Dec 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

TP-12

Tgt Ion: 84 Resp: 269961

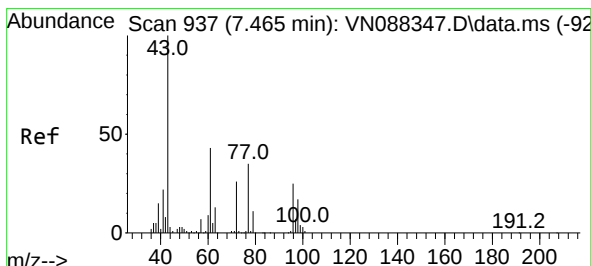
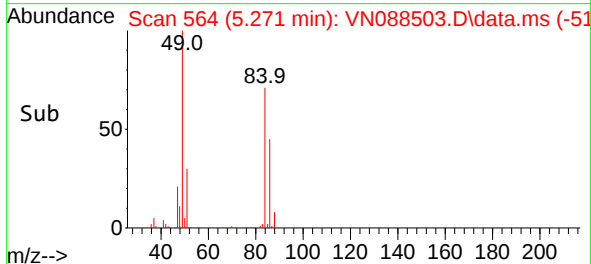
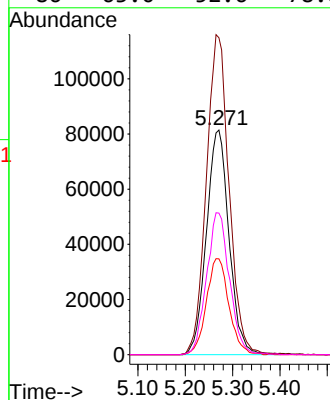
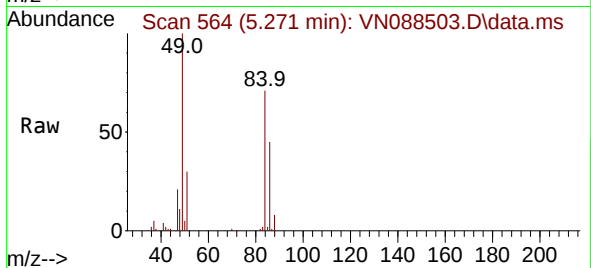
Ion Ratio Lower Upper

84 100

49 141.1 110.2 165.2

51 42.7 34.1 51.1

86 63.0 52.6 78.8



#25

2-Butanone

Concen: 6.328 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.012 min

Lab File: VN088503.D

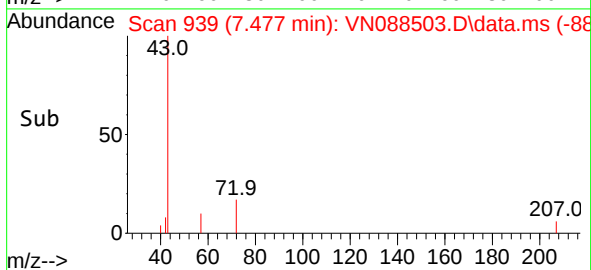
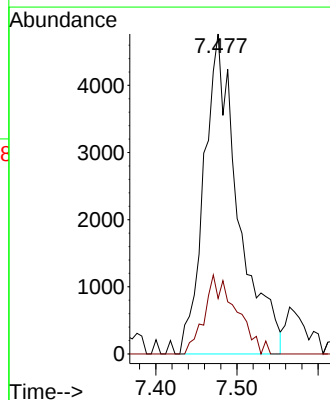
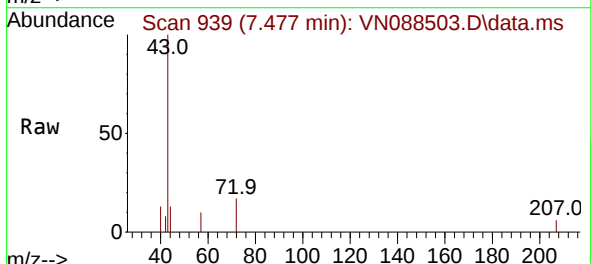
Acq: 10 Dec 2025 16:10

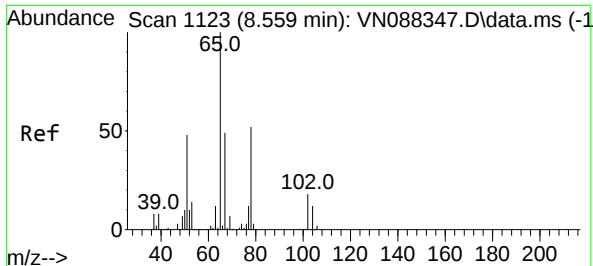
Tgt Ion: 43 Resp: 13983

Ion Ratio Lower Upper

43 100

72 17.4 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 62.128 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088503.D

Acq: 10 Dec 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

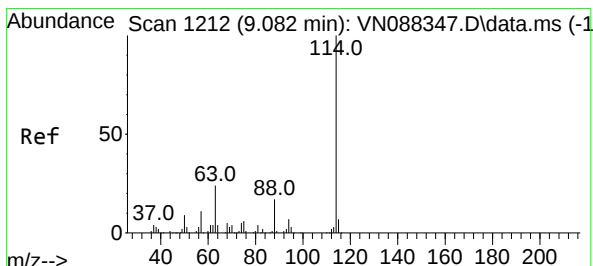
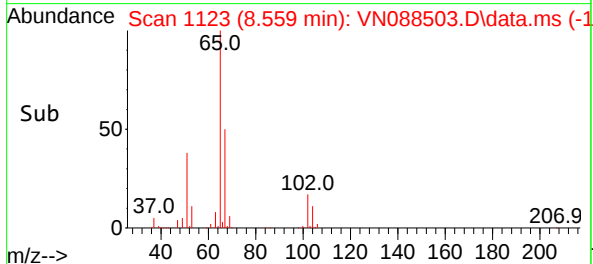
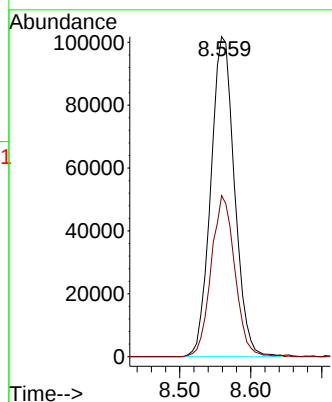
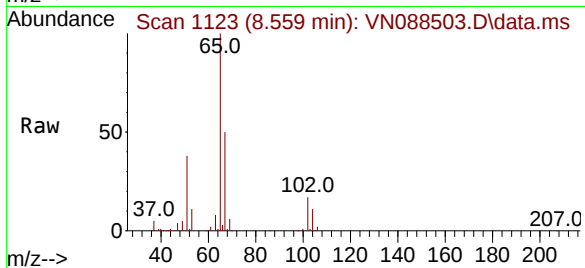
TP-12

Tgt Ion: 65 Resp: 236141

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088503.D

Acq: 10 Dec 2025 16:10

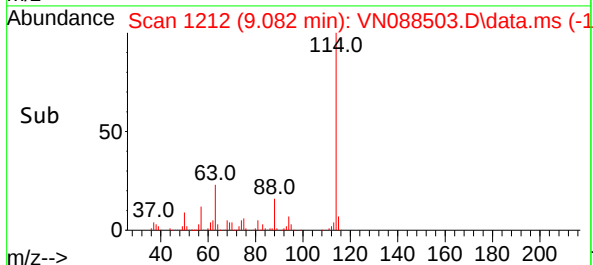
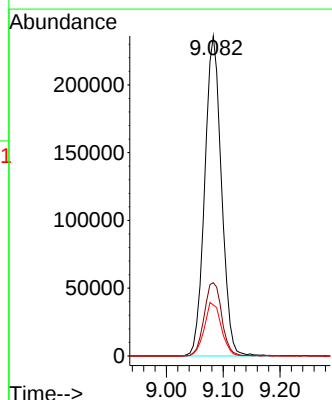
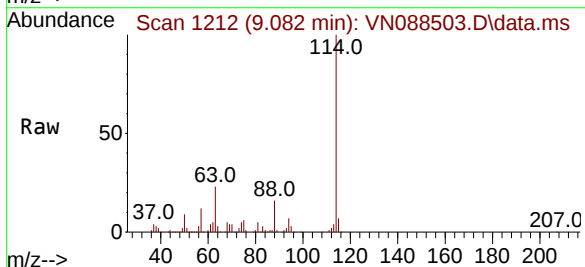
Tgt Ion: 114 Resp: 481546

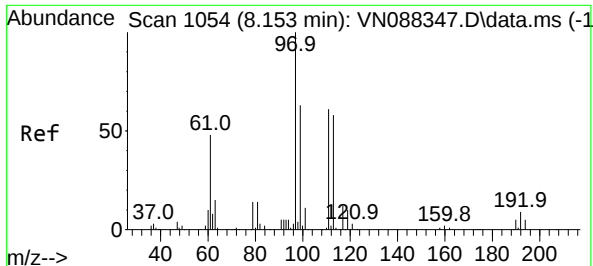
Ion Ratio Lower Upper

114 100

63 22.9 0.0 49.0

88 15.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.153 ug/l

RT: 8.147 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VN088503.D

Acq: 10 Dec 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

TP-12

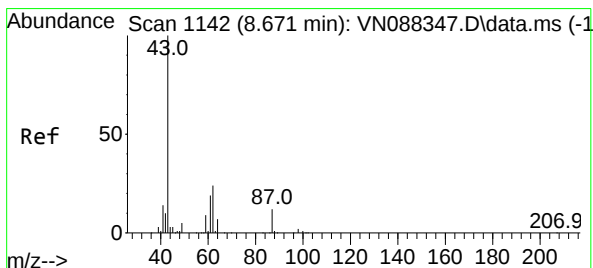
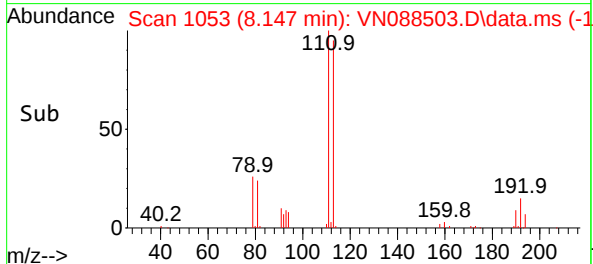
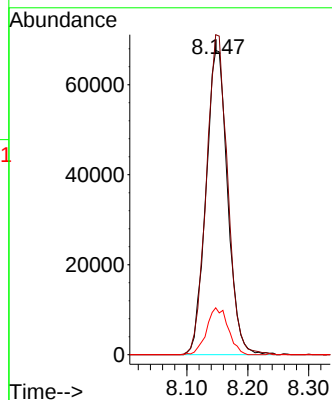
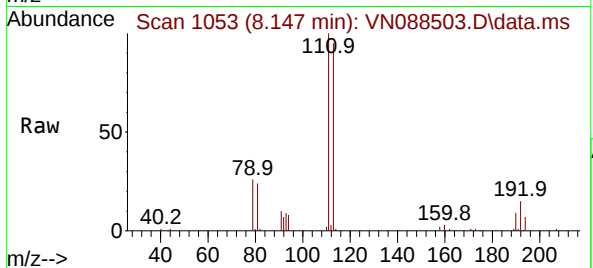
Tgt Ion:113 Resp: 167365

Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 15.3 12.8 19.2



#43

Isopropyl Acetate

Concen: 2.729 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN088503.D

Acq: 10 Dec 2025 16:10

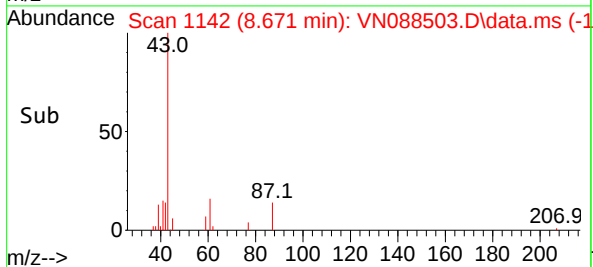
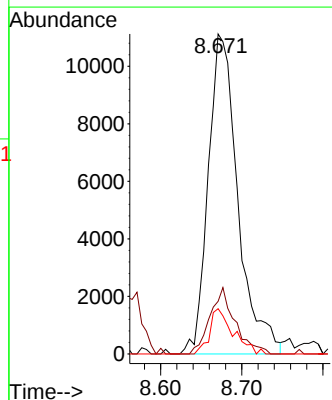
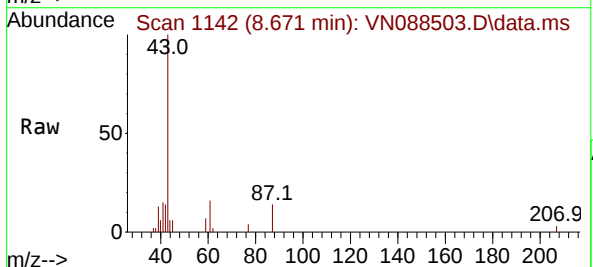
Tgt Ion: 43 Resp: 28232

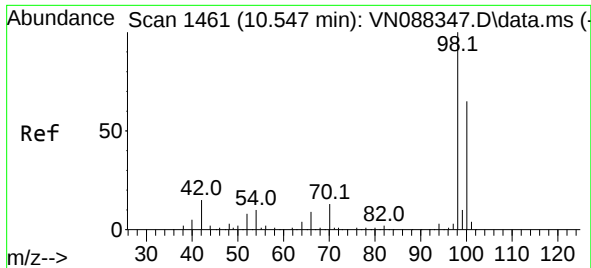
Ion Ratio Lower Upper

43 100

61 17.6 18.7 28.1#

87 11.2 9.1 13.7

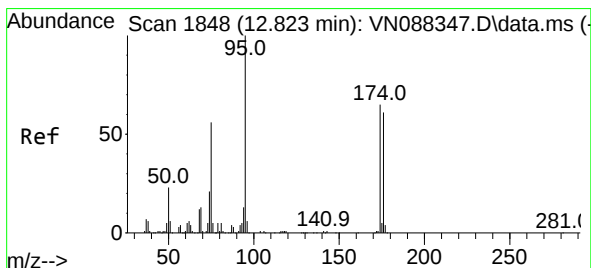
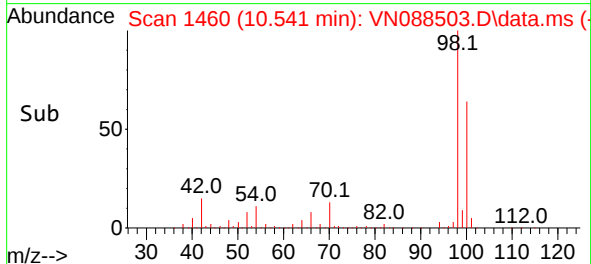
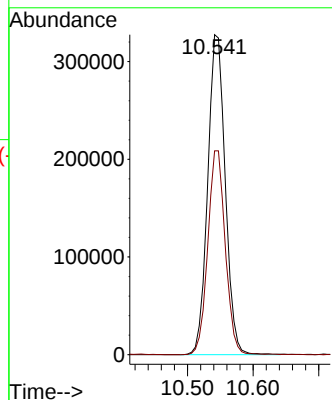
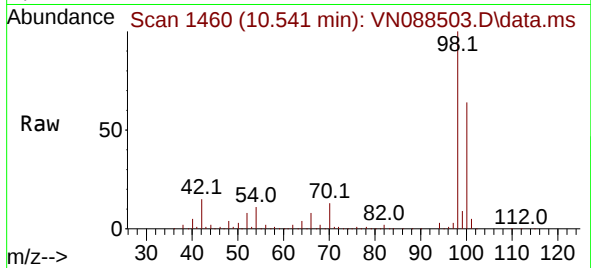




#50
Toluene-d8
Concen: 49.087 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088503.D
Acq: 10 Dec 2025 16:10

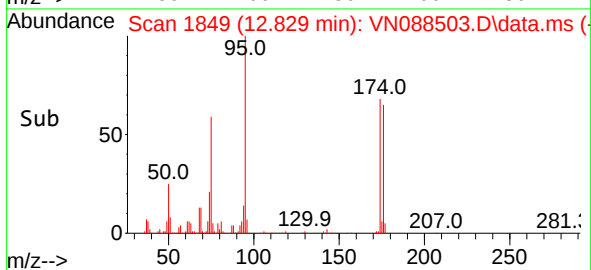
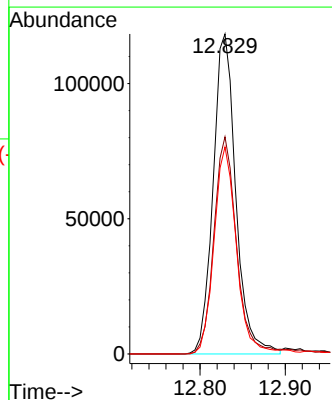
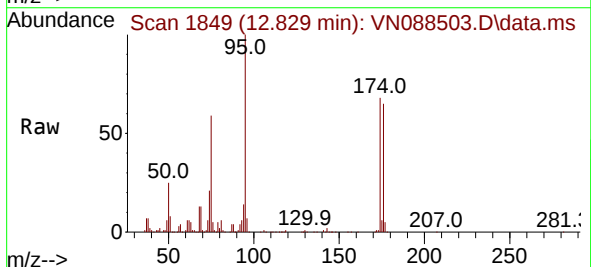
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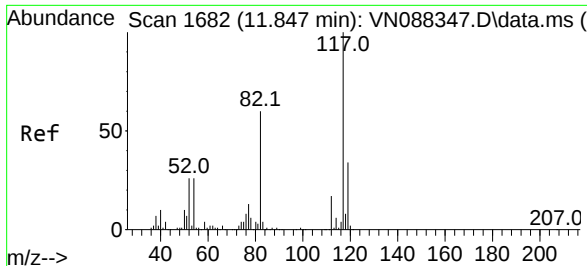
Tgt Ion: 98 Resp: 609488
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 51.444 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088503.D
Acq: 10 Dec 2025 16:10

Tgt Ion: 95 Resp: 219170
Ion Ratio Lower Upper
95 100
174 69.6 0.0 139.0
176 64.4 0.0 132.4

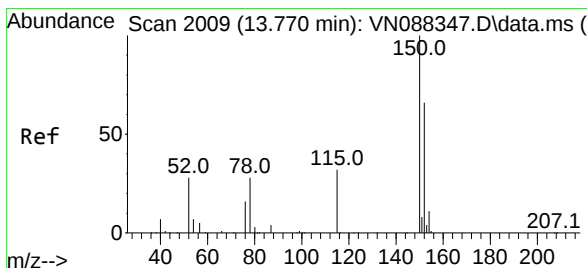
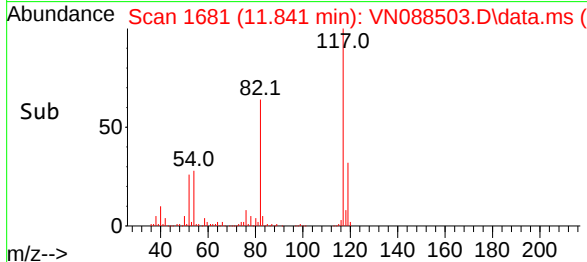
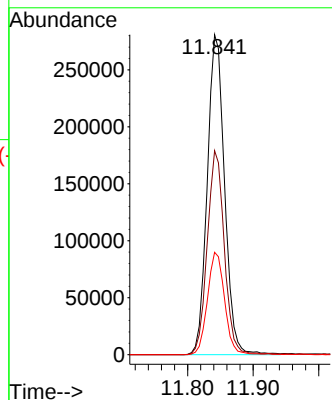
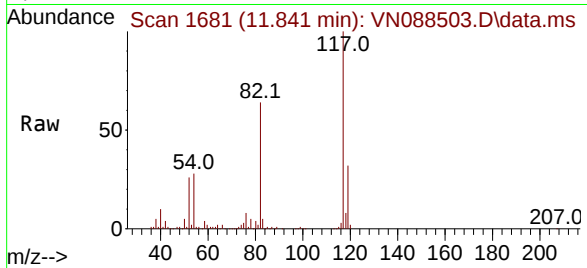




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088503.D
Acq: 10 Dec 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
TP-12

Tgt Ion:117 Resp: 516525
Ion Ratio Lower Upper
117 100
82 63.8 47.8 71.8
119 32.0 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088503.D
Acq: 10 Dec 2025 16:10

Tgt Ion:152 Resp: 224885
Ion Ratio Lower Upper
152 100
115 66.2 33.0 98.9
150 159.2 0.0 349.0

