

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088502.D
 Acq On : 10 Dec 2025 15:50
 Operator : JC\MD
 Sample : Q3814-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Quant Time: Dec 11 02:10:12 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)

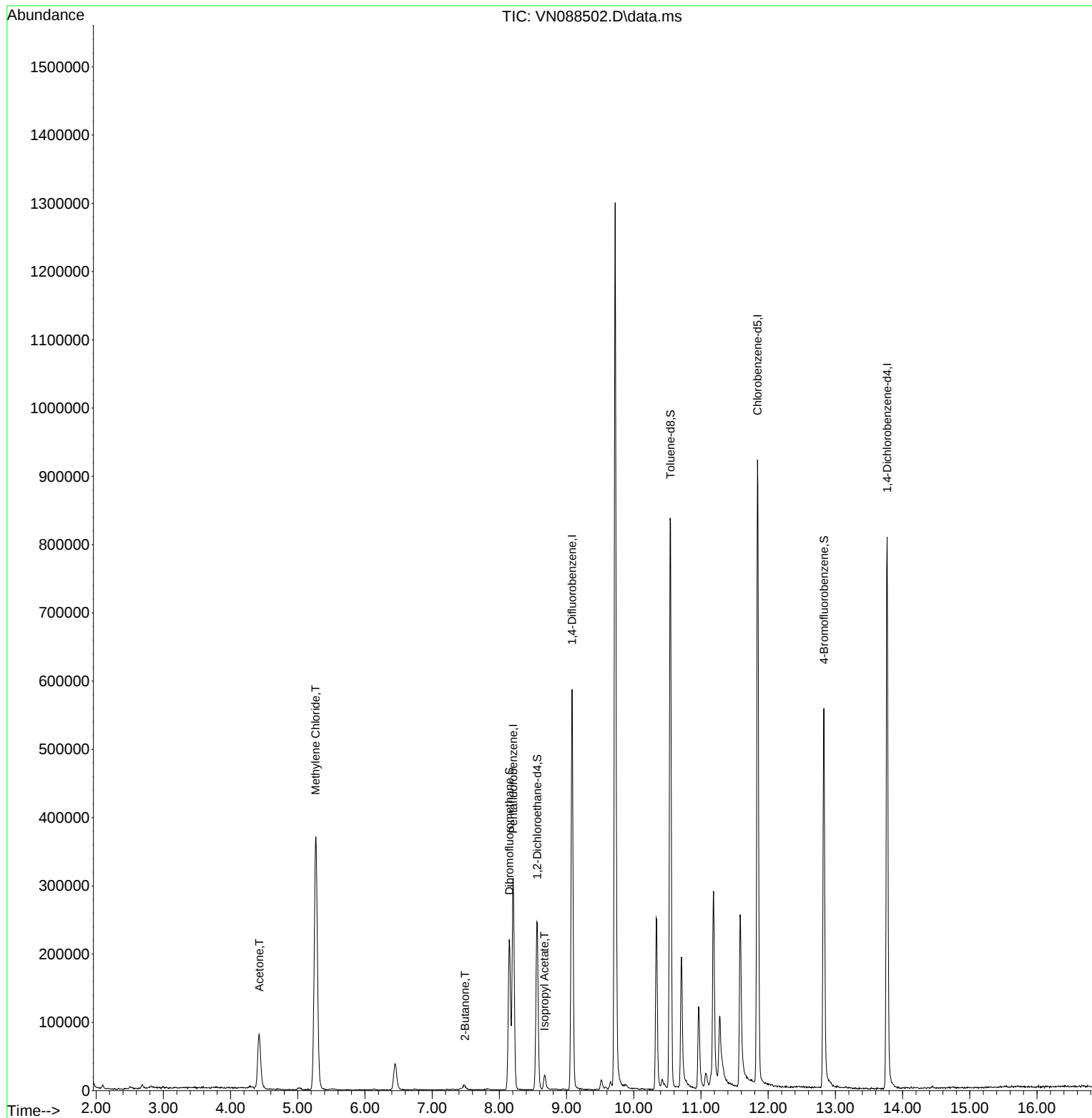
Internal Standards						
1) Pentafluorobenzene	8.206	168	193875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	449020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	489656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	212090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	215256	58.938	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	117.880%	
35) Dibromofluoromethane	8.147	113	154015	49.496	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.000%	
50) Toluene-d8	10.547	98	552252	47.699	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	95.400%	
62) 4-Bromofluorobenzene	12.829	95	197806	49.793	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	99.580%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	165069	124.973	ug/l	99
20) Methylene Chloride	5.265	84	278826	98.667	ug/l	95
25) 2-Butanone	7.488	43	14066	6.624	ug/l #	86
43) Isopropyl Acetate	8.671	43	28926	2.998	ug/l #	89

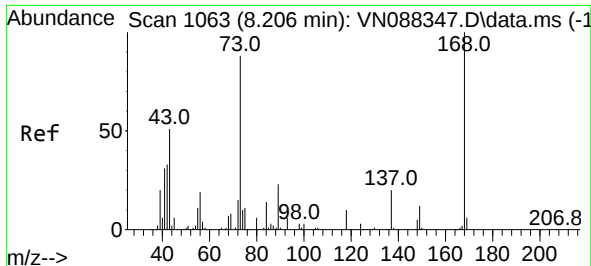
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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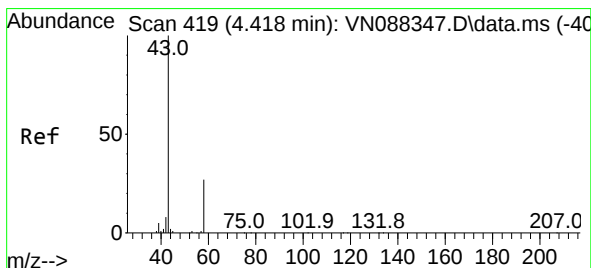
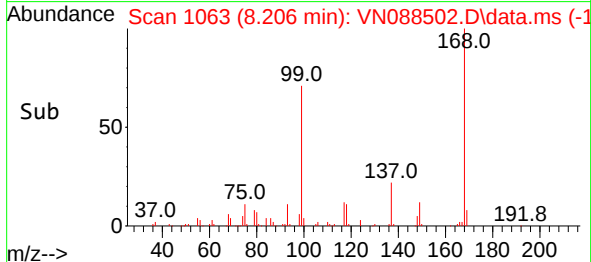
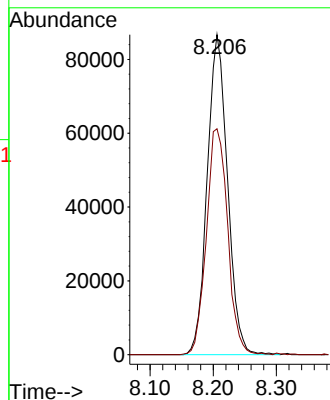
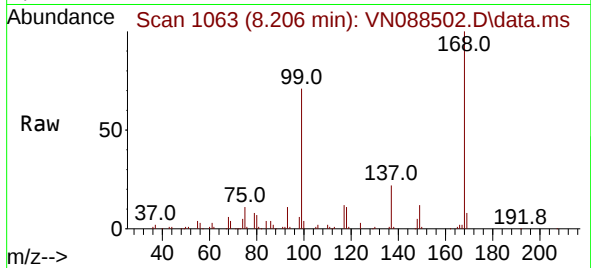




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088502.D
Acq: 10 Dec 2025 15:50

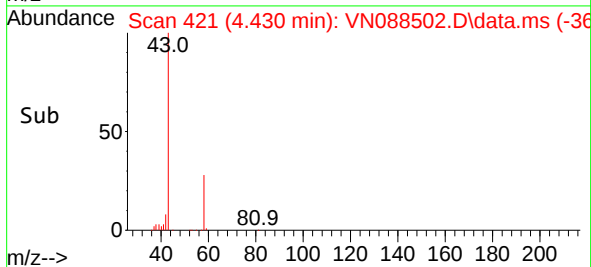
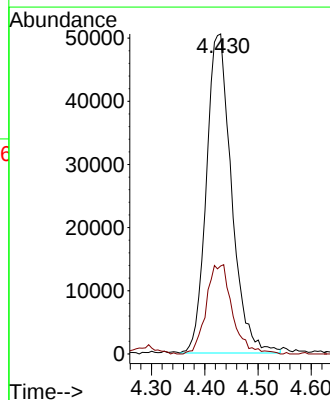
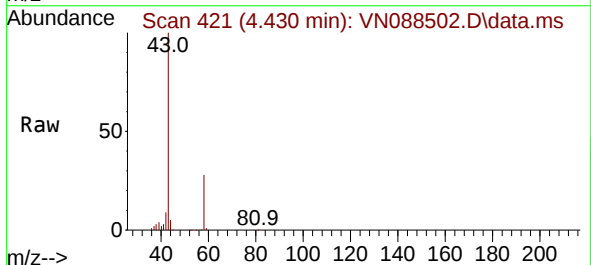
Instrument :
MSVOA_N
ClientSampleId :
TP-9

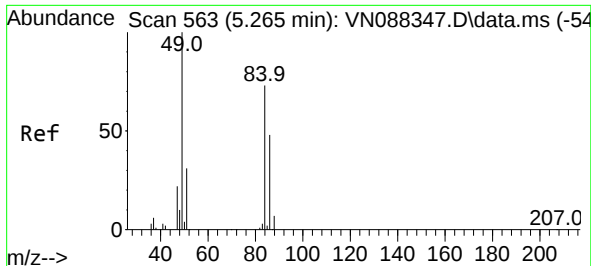
Tgt Ion:168 Resp: 193875
Ion Ratio Lower Upper
168 100
99 70.6 57.1 85.7



#16
Acetone
Concen: 124.973 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN088502.D
Acq: 10 Dec 2025 15:50

Tgt Ion: 43 Resp: 165069
Ion Ratio Lower Upper
43 100
58 27.6 21.7 32.5

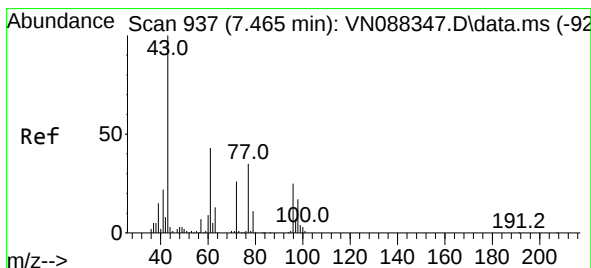
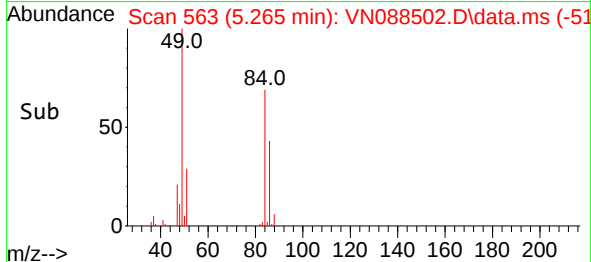
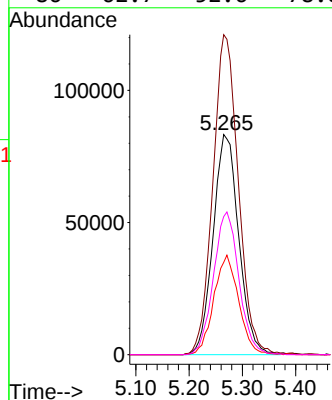
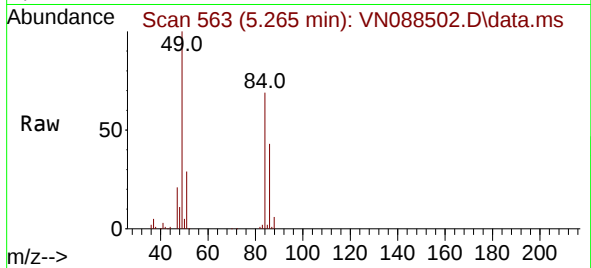




#20
Methylene Chloride
Concen: 98.667 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088502.D
Acq: 10 Dec 2025 15:50

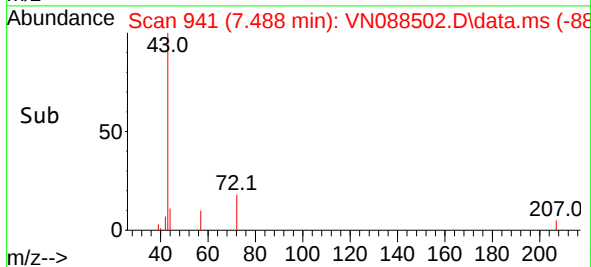
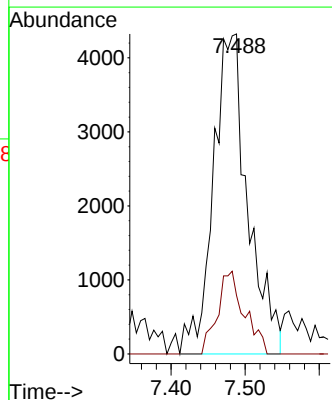
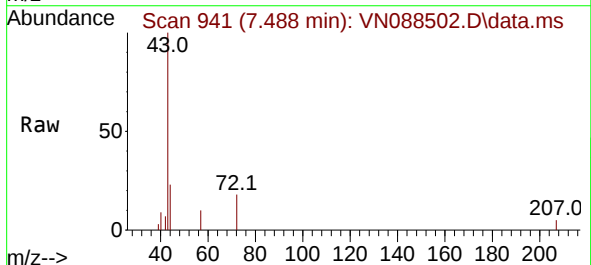
Instrument :
MSVOA_N
ClientSampleId :
TP-9

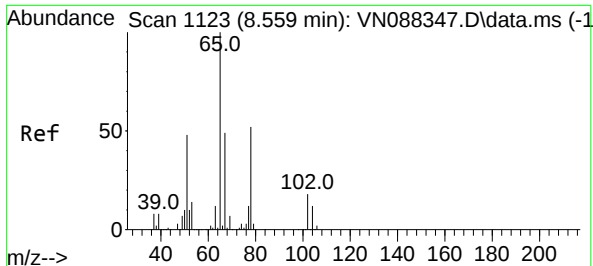
Tgt Ion: 84 Resp: 278826
Ion Ratio Lower Upper
84 100
49 145.4 110.2 165.2
51 41.9 34.1 51.1
86 62.7 52.6 78.8



#25
2-Butanone
Concen: 6.624 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.024 min
Lab File: VN088502.D
Acq: 10 Dec 2025 15:50

Tgt Ion: 43 Resp: 14066
Ion Ratio Lower Upper
43 100
72 18.3 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 58.938 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN088502.D

Acq: 10 Dec 2025 15:50

Instrument :

MSVOA_N

ClientSampleId :

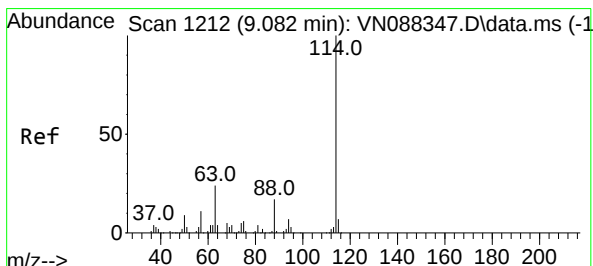
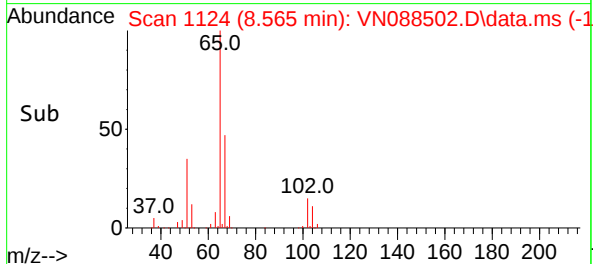
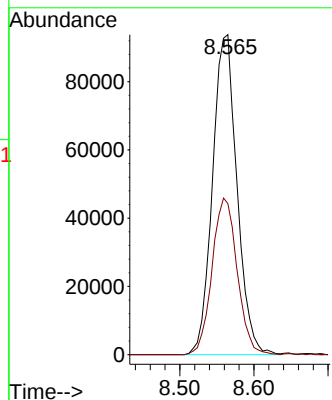
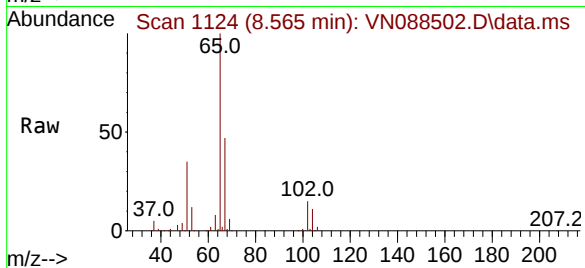
TP-9

Tgt Ion: 65 Resp: 215256

Ion Ratio Lower Upper

65 100

67 50.2 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: VN088502.D

Acq: 10 Dec 2025 15:50

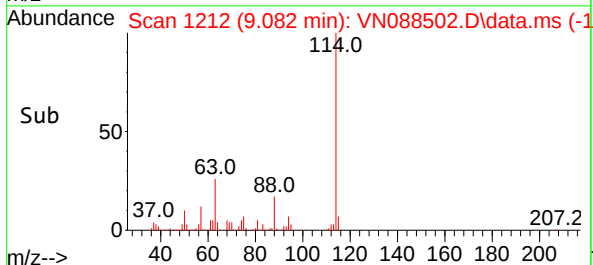
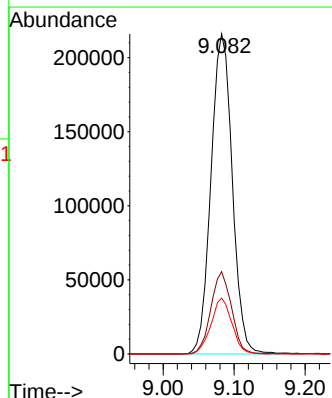
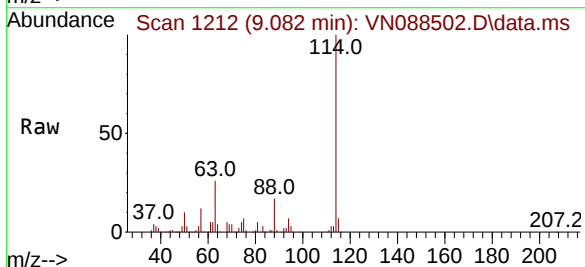
Tgt Ion: 114 Resp: 449020

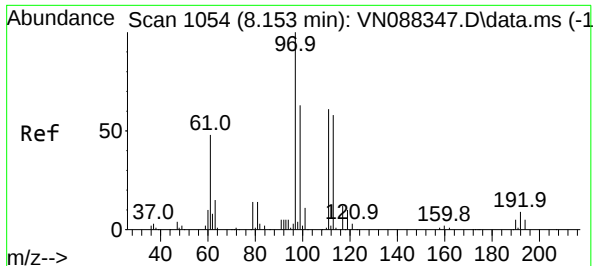
Ion Ratio Lower Upper

114 100

63 25.7 0.0 49.0

88 17.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.496 ug/l

RT: 8.147 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VN088502.D

Acq: 10 Dec 2025 15:50

Instrument :

MSVOA_N

ClientSampleId :

TP-9

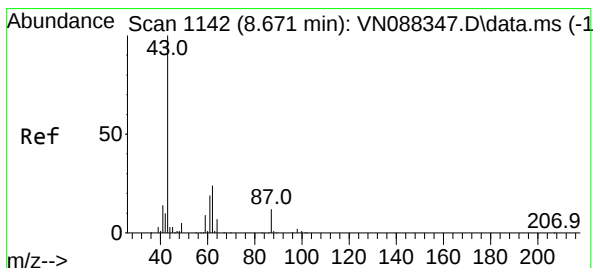
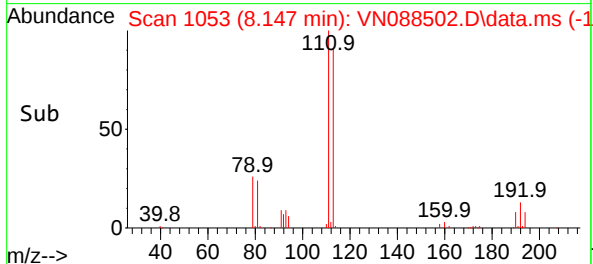
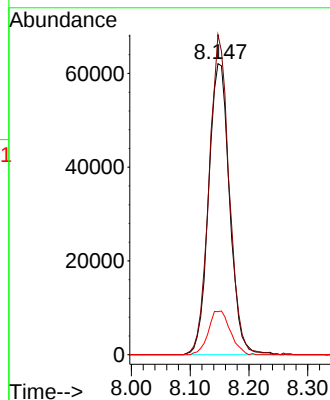
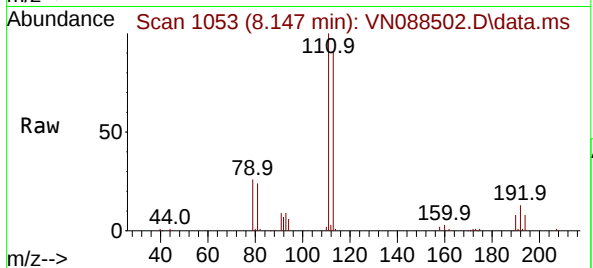
Tgt Ion:113 Resp: 154015

Ion Ratio Lower Upper

113 100

111 105.2 82.5 123.7

192 15.7 12.8 19.2



#43

Isopropyl Acetate

Concen: 2.998 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN088502.D

Acq: 10 Dec 2025 15:50

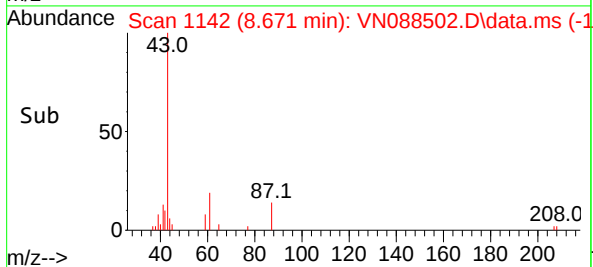
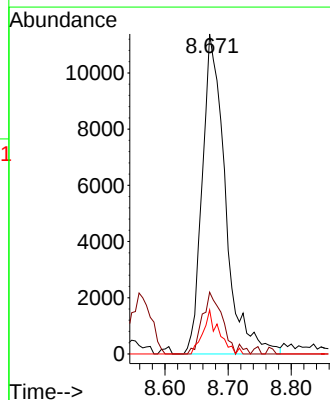
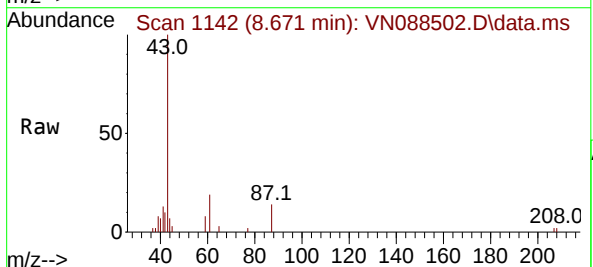
Tgt Ion: 43 Resp: 28926

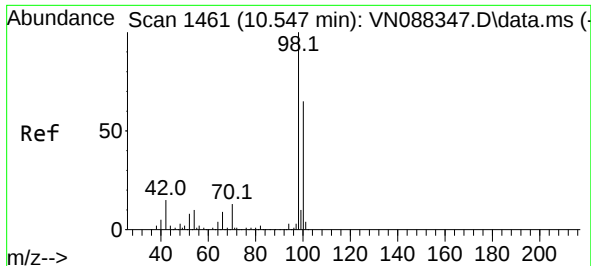
Ion Ratio Lower Upper

43 100

61 16.3 18.7 28.1#

87 9.5 9.1 13.7

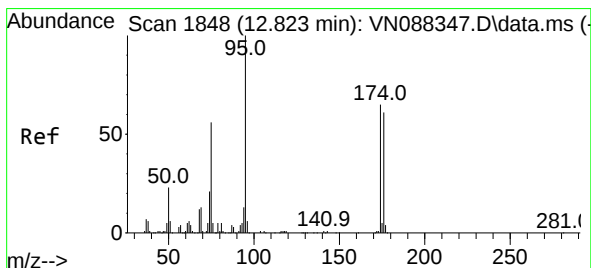
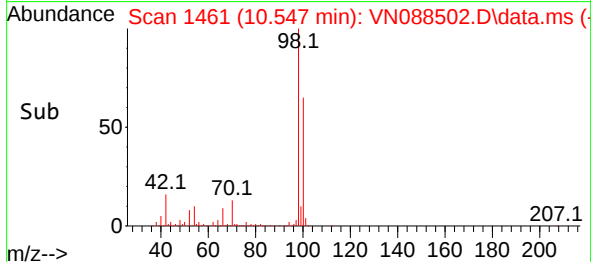
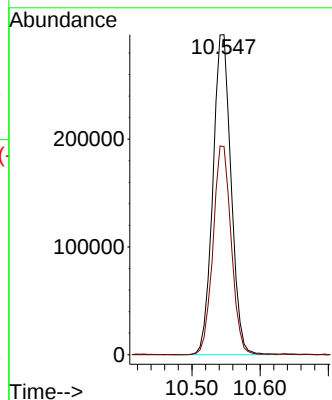
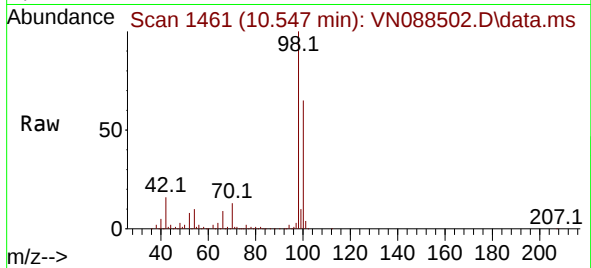




#50
Toluene-d8
Concen: 47.699 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088502.D
Acq: 10 Dec 2025 15:50

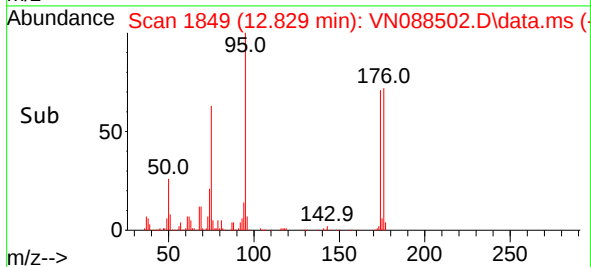
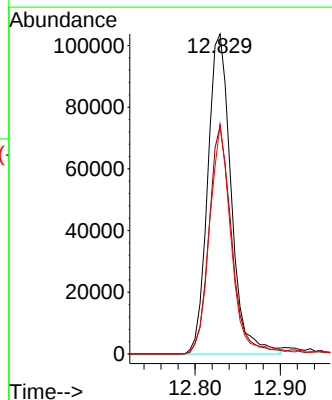
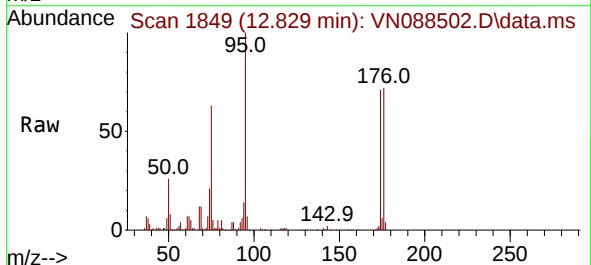
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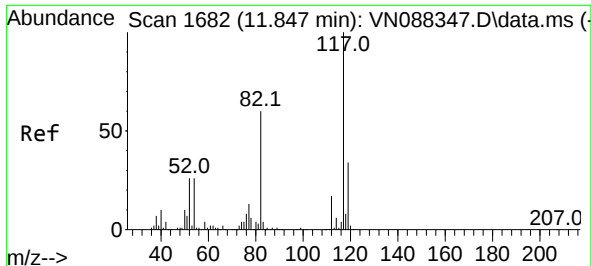
Tgt Ion: 98 Resp: 552252
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 49.793 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088502.D
Acq: 10 Dec 2025 15:50

Tgt Ion: 95 Resp: 197806
Ion Ratio Lower Upper
95 100
174 69.0 0.0 139.0
176 66.6 0.0 132.4

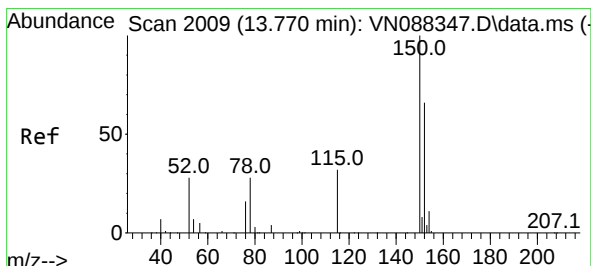
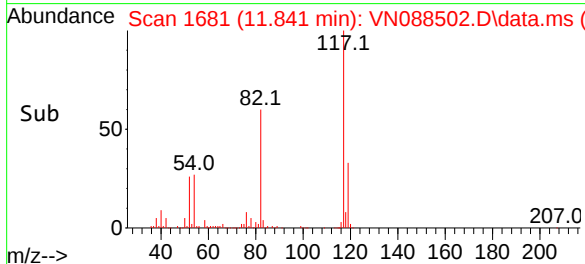
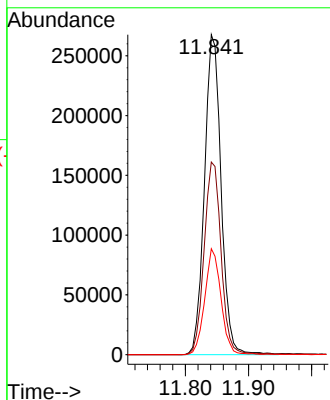
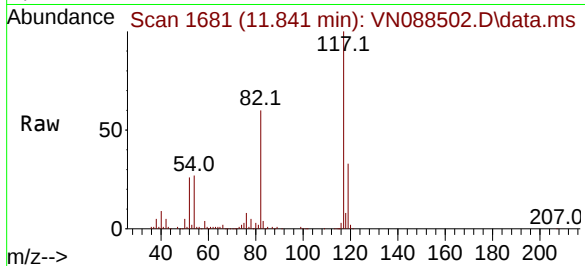




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088502.D
Acq: 10 Dec 2025 15:50

Instrument :
MSVOA_N
ClientSampleId :
TP-9

Tgt Ion:117 Resp: 489656
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 33.1 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: VN088502.D
Acq: 10 Dec 2025 15:50

Tgt Ion:152 Resp: 212090
Ion Ratio Lower Upper
152 100
115 65.6 33.0 98.9
150 156.1 0.0 349.0

