

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088158.D
 Acq On : 29 Oct 2025 14:26
 Operator : JC\MD
 Sample : Q3480-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RT3449

Quant Time: Oct 30 04:06:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

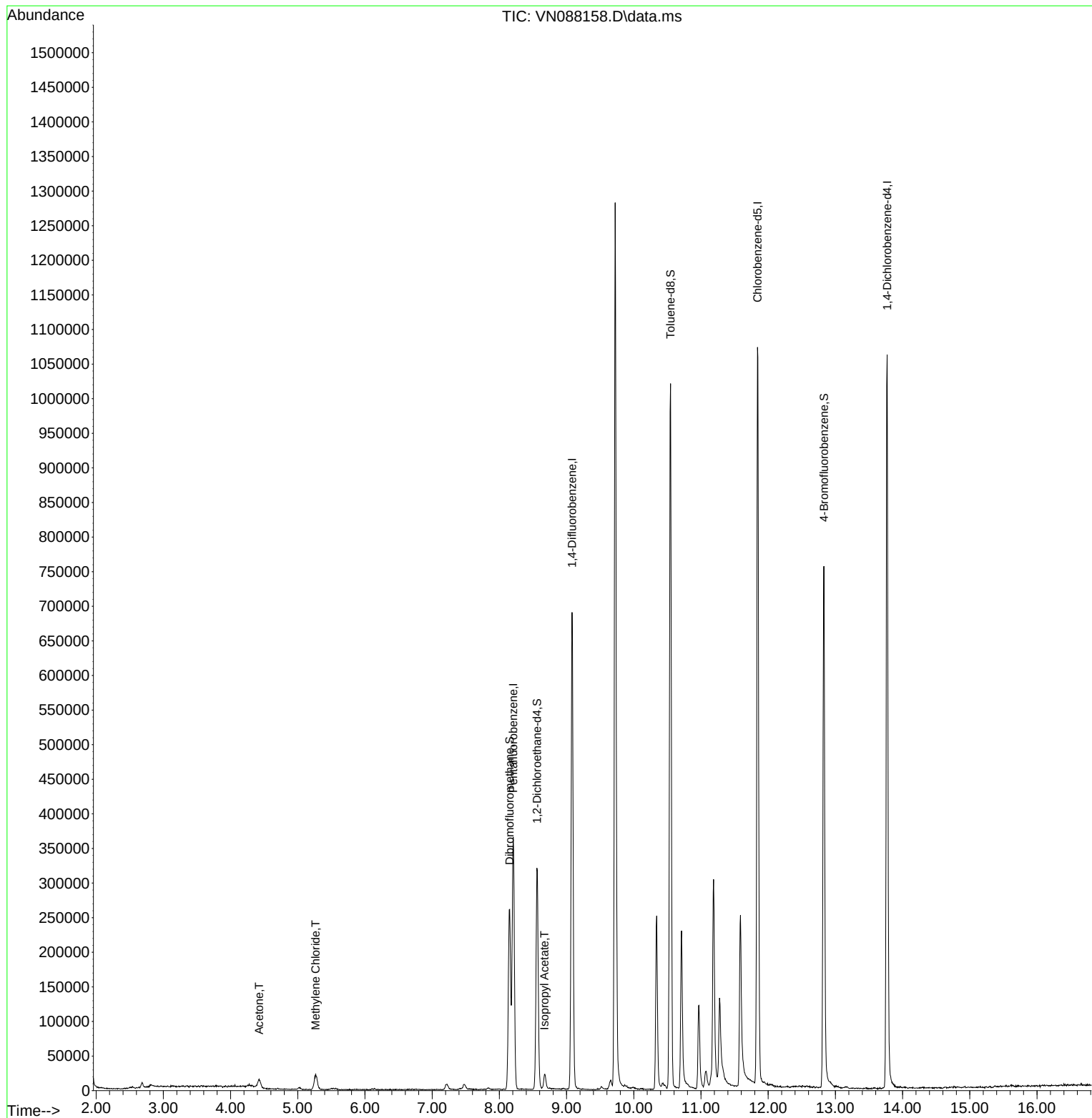
Internal Standards						
1) Pentafluorobenzene	8.206	168	245011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	564634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	567693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	279271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	272569	64.334	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 128.660%#	
35) Dibromofluoromethane	8.153	113	190233	50.150	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.300%	
50) Toluene-d8	10.547	98	684792	46.852	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.700%	
62) 4-Bromofluorobenzene	12.829	95	271110	52.522	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.040%	
Target Compounds						
						Qvalue
16) Acetone	4.424	43	24168	11.355	ug/l #	89
20) Methylene Chloride	5.265	84	16422	5.653	ug/l #	93
43) Isopropyl Acetate	8.671	43	27038	2.462	ug/l	95

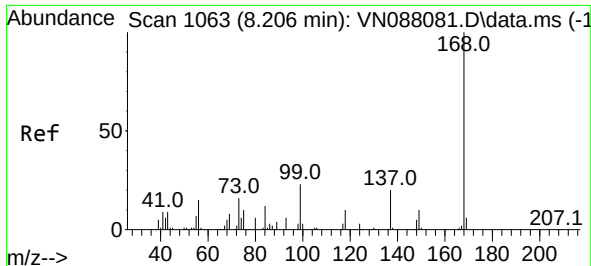
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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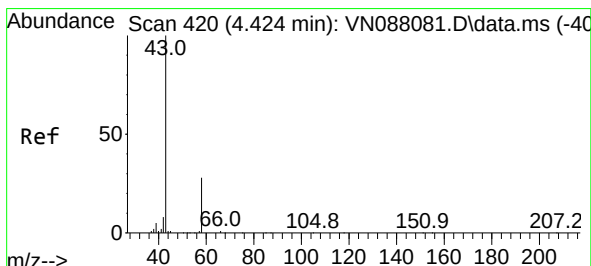
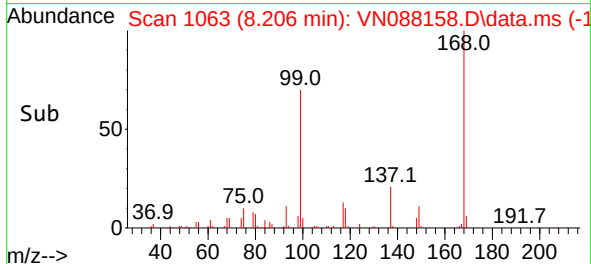
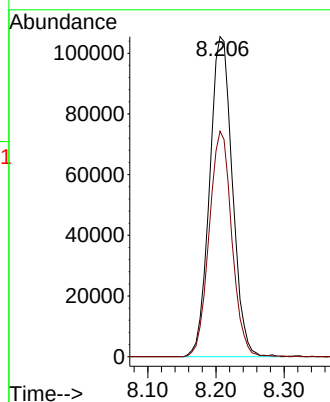
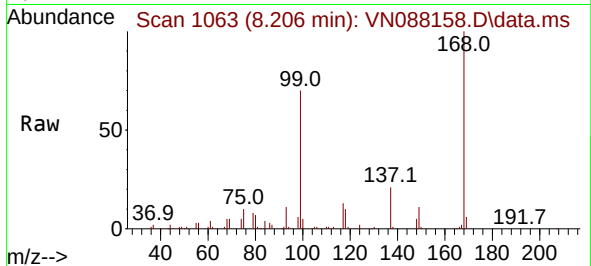




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

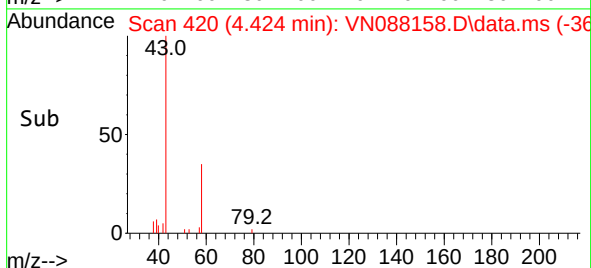
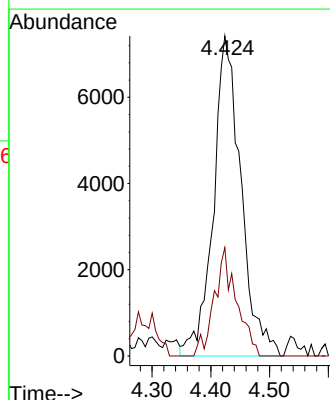
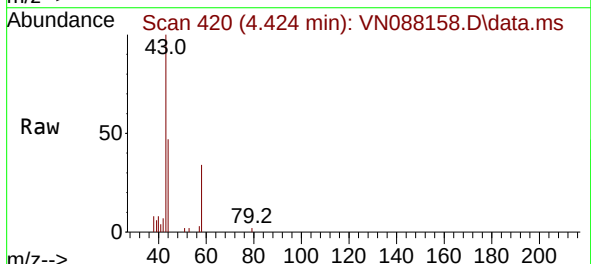
Instrument :
MSVOA_N
ClientSampleId :
RT3449

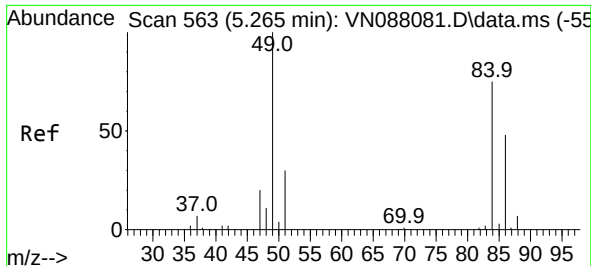
Tgt Ion:168 Resp: 245011
Ion Ratio Lower Upper
168 100
99 70.5 57.2 85.8



#16
Acetone
Concen: 11.355 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 43 Resp: 24168
Ion Ratio Lower Upper
43 100
58 33.8 22.6 33.8#



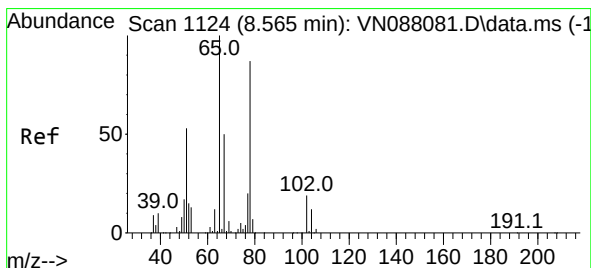
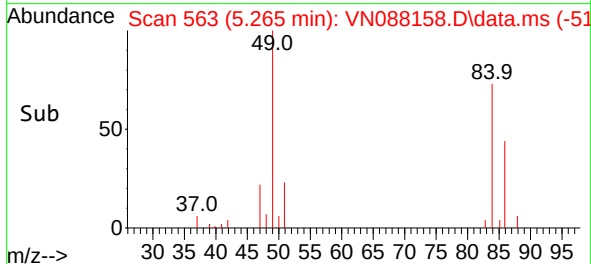
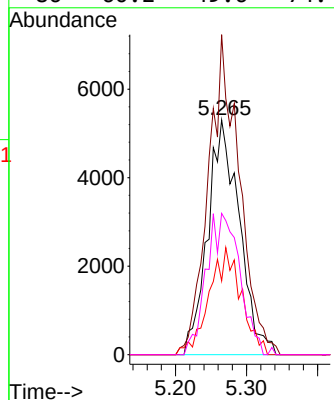
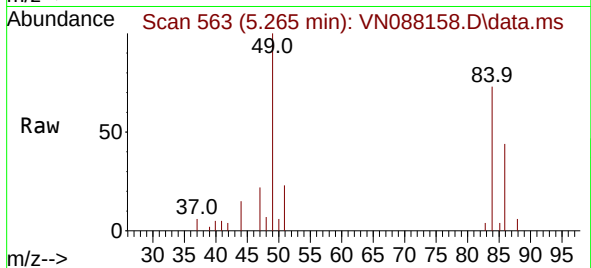


#20
Methylene Chloride
Concen: 5.653 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
RT3449

Tgt Ion: 84 Resp: 16422

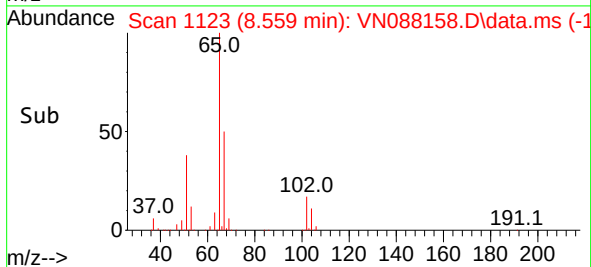
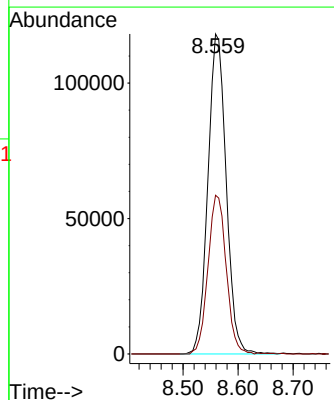
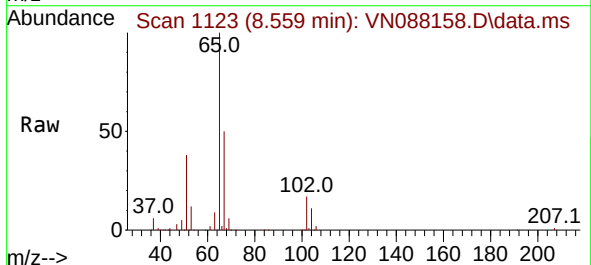
Ion	Ratio	Lower	Upper
84	100		
49	136.4	103.4	155.2
51	31.4	33.8	50.8#
86	60.2	49.6	74.4

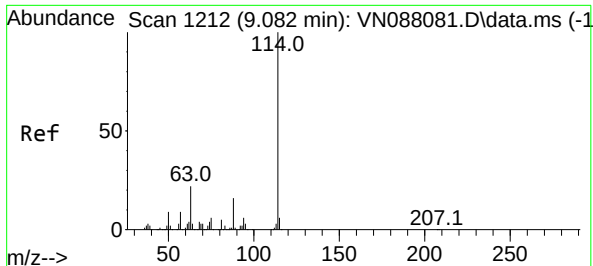


#33
1,2-Dichloroethane-d4
Concen: 64.334 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 65 Resp: 272569

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088158.D

Acq: 29 Oct 2025 14:26

Instrument :

MSVOA_N

ClientSampleId :

RT3449

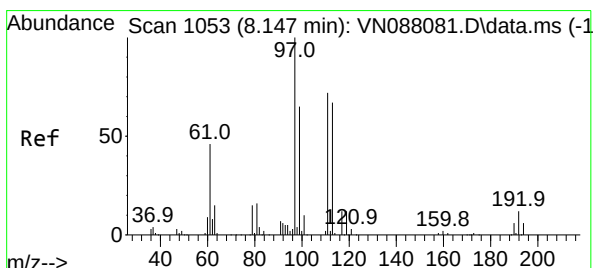
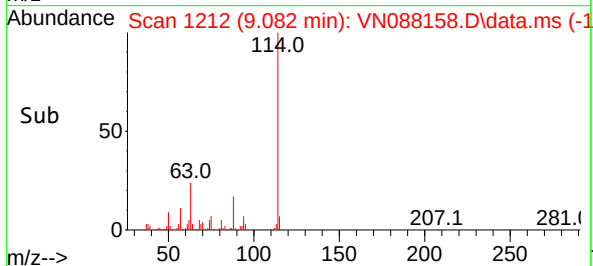
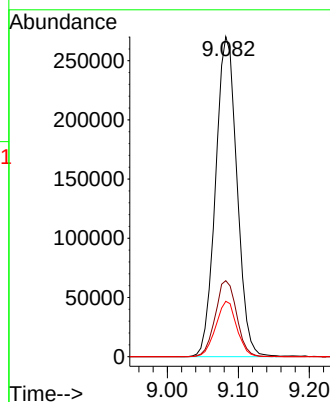
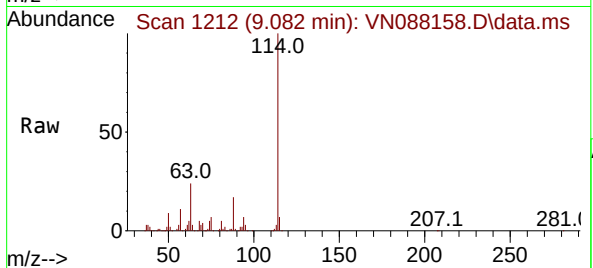
Tgt Ion:114 Resp: 564634

Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.2

88 17.3 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.150 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088158.D

Acq: 29 Oct 2025 14:26

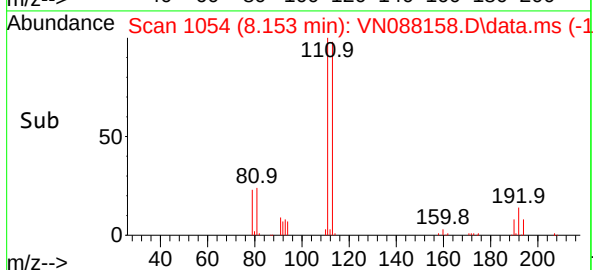
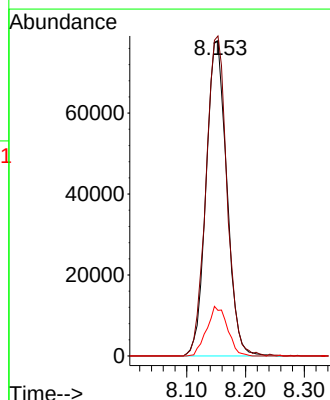
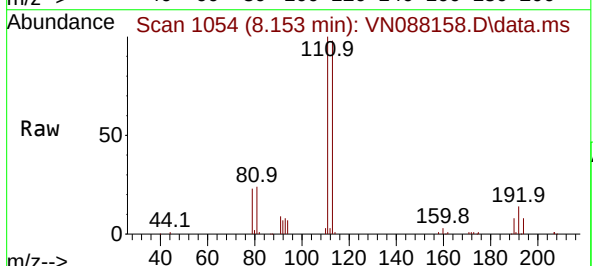
Tgt Ion:113 Resp: 190233

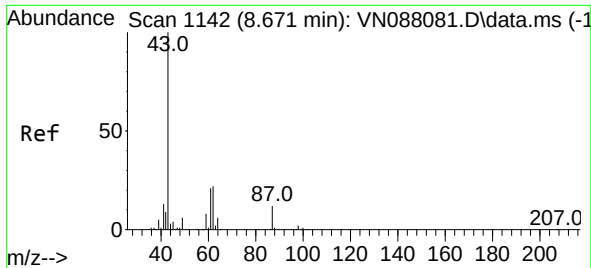
Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 15.8 12.8 19.2

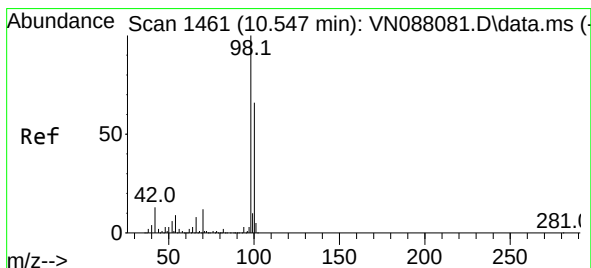
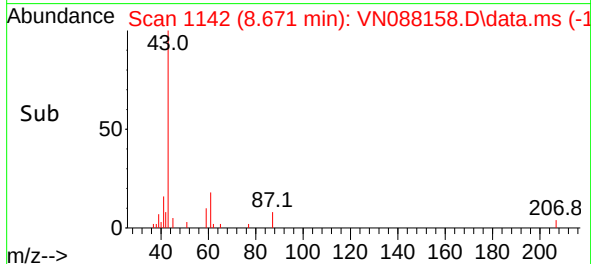
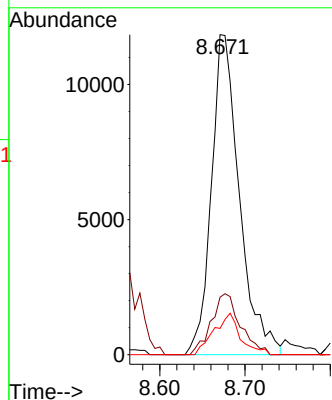
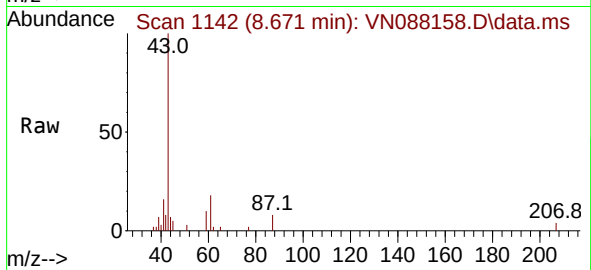




#43
Isopropyl Acetate
Concen: 2.462 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

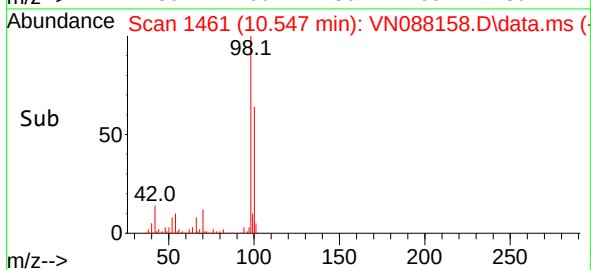
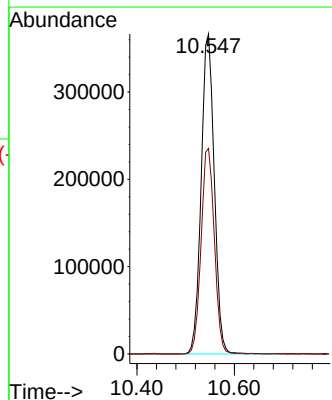
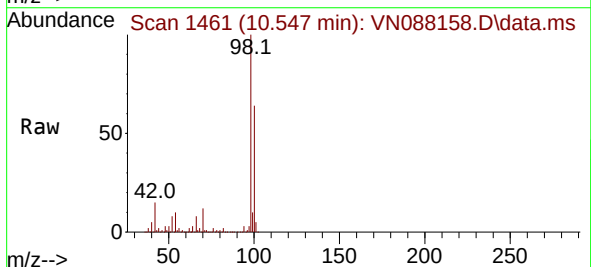
Instrument :
MSVOA_N
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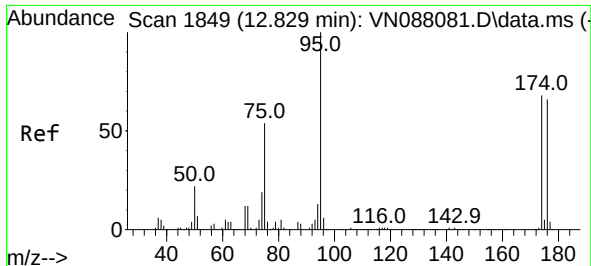
Tgt Ion: 43 Resp: 27038
Ion Ratio Lower Upper
43 100
61 19.8 18.8 28.2
87 12.2 9.6 14.4



#50
Toluene-d8
Concen: 46.852 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 98 Resp: 684792
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2

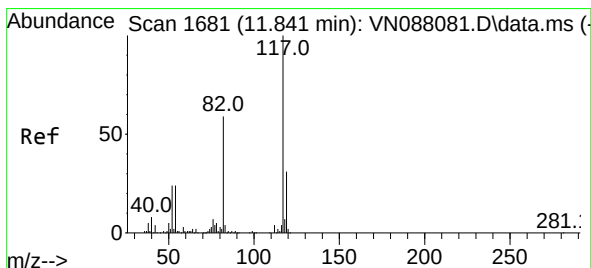
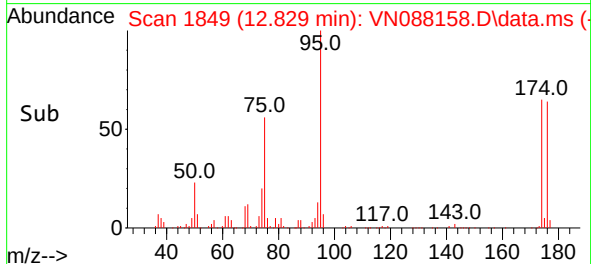
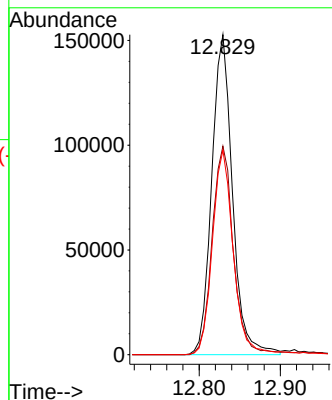
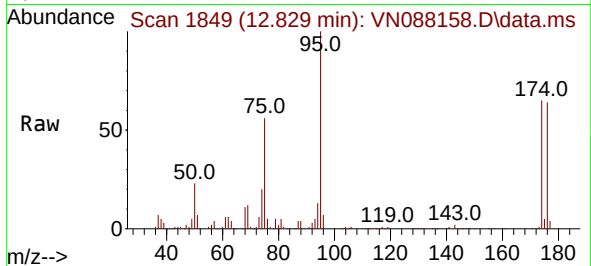




#62
4-Bromofluorobenzene
Concen: 52.522 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

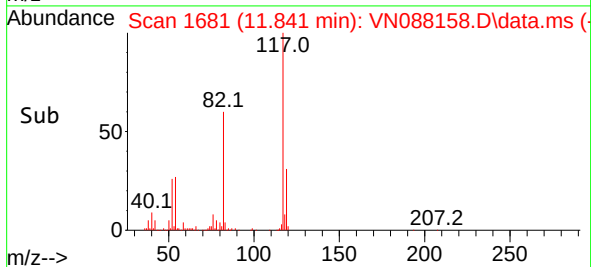
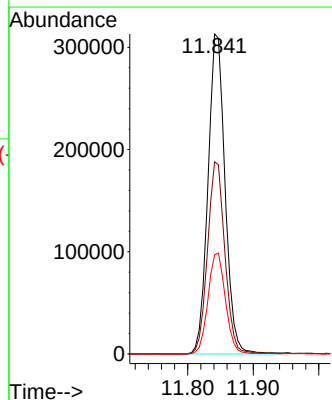
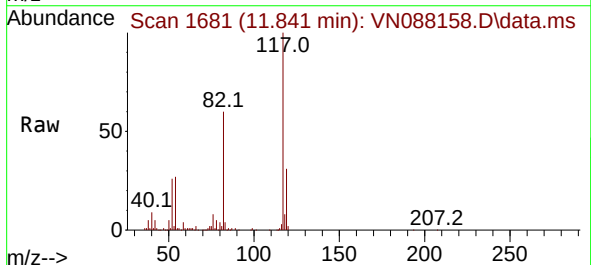
Instrument :
MSVOA_N
ClientSampleId :
RT3449

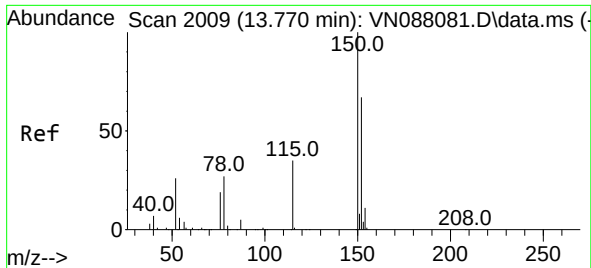
Tgt Ion: 95 Resp: 271110
Ion Ratio Lower Upper
95 100
174 67.2 0.0 138.4
176 64.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

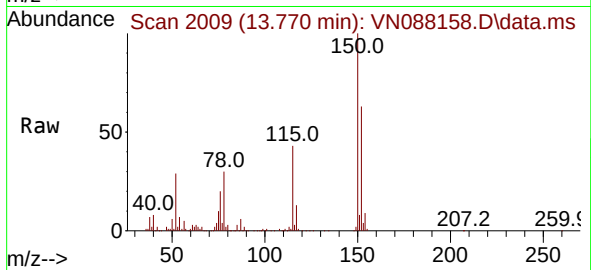
Tgt Ion: 117 Resp: 567693
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 30.9 24.3 36.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN088158.D
 Acq: 29 Oct 2025 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 RT3449



Tgt Ion:152 Resp: 279271

Ion	Ratio	Lower	Upper
152	100		
115	64.8	32.3	96.8
150	158.3	0.0	351.0

