

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
 Data File : VN087969.D
 Acq On : 26 Sep 2025 16:10
 Operator : JC\MD
 Sample : Q3181-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A3-03-G

Quant Time: Sep 27 01:27:48 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)

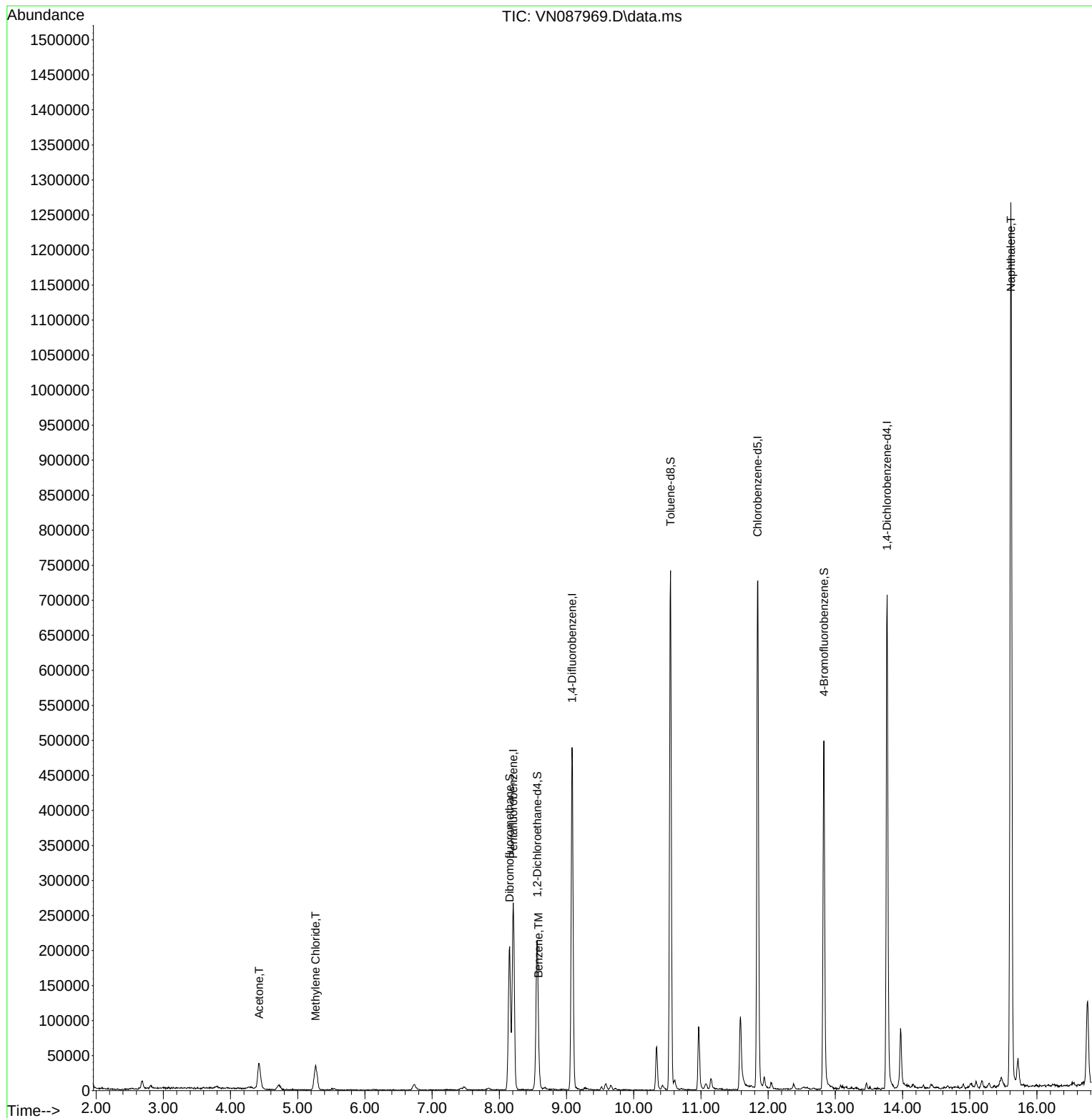
Internal Standards						
1) Pentafluorobenzene	8.206	168	184198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	412130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	421613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	196969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	177476	57.252	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.500%
35) Dibromofluoromethane	8.153	113	144402	48.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.520%
50) Toluene-d8	10.547	98	502673	47.770	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.540%
62) 4-Bromofluorobenzene	12.829	95	170088	45.220	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.440%
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	69281	54.319	ug/l	94
20) Methylene Chloride	5.265	84	27314	10.580	ug/l	94
40) Benzene	8.583	78	15182	1.274	ug/l	96
95) Naphthalene	15.612	128	1140310	98.477	ug/l	99

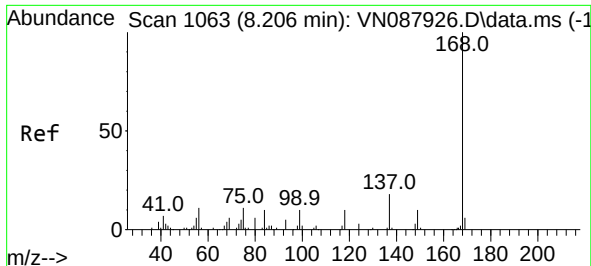
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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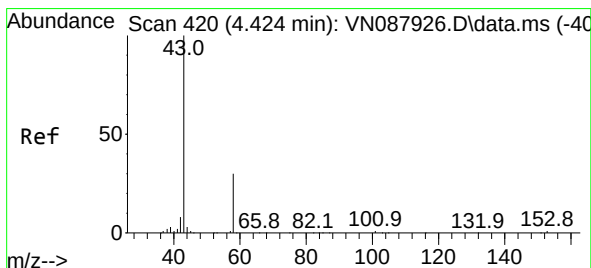
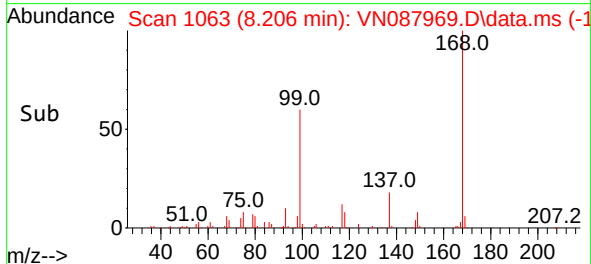
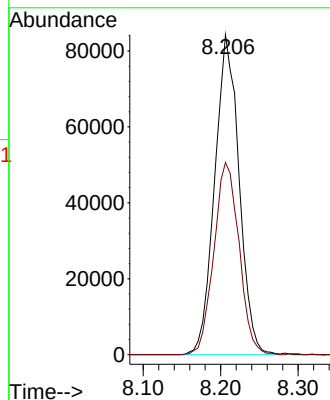
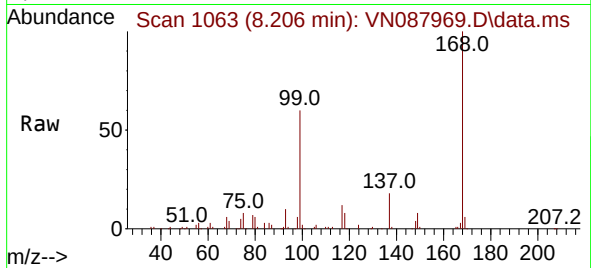




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

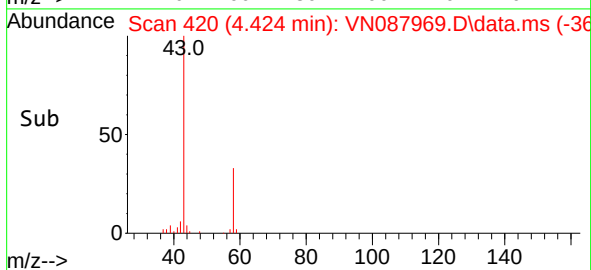
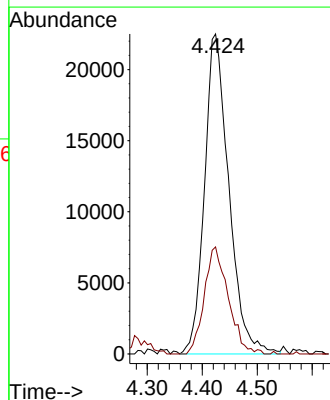
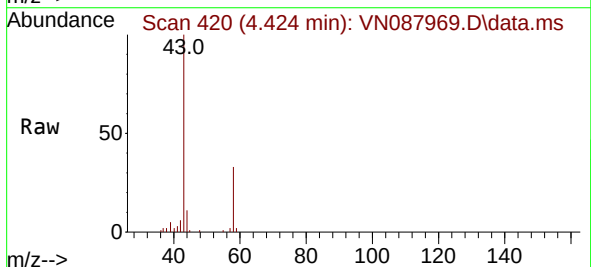
Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

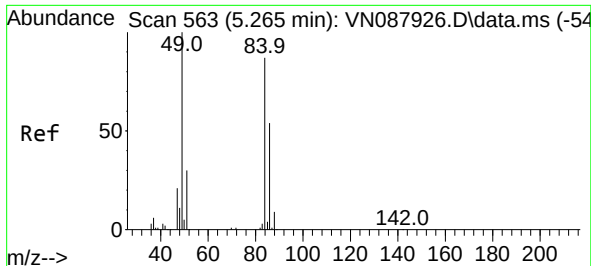
Tgt Ion:168 Resp: 184198
Ion Ratio Lower Upper
168 100
99 60.1 52.2 78.2



#16
Acetone
Concen: 54.319 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion: 43 Resp: 69281
Ion Ratio Lower Upper
43 100
58 33.5 24.1 36.1

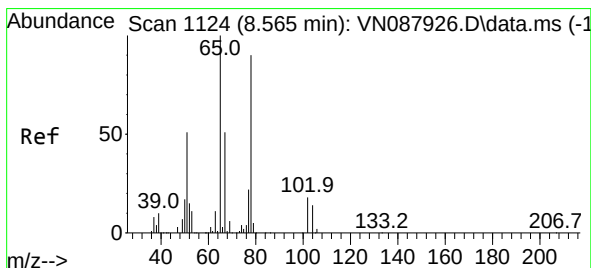
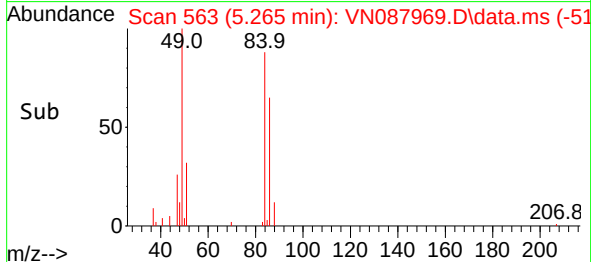
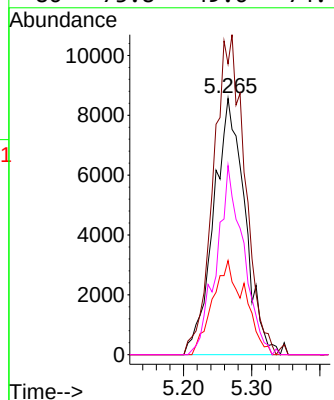
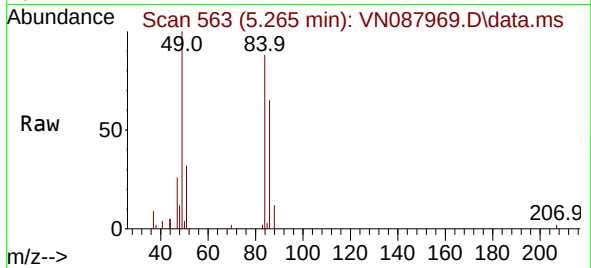




#20
Methylene Chloride
Concen: 10.580 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

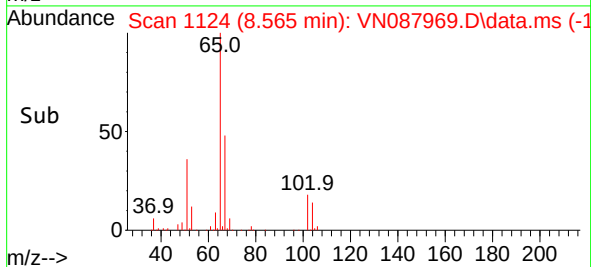
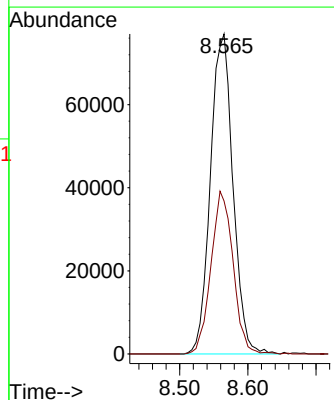
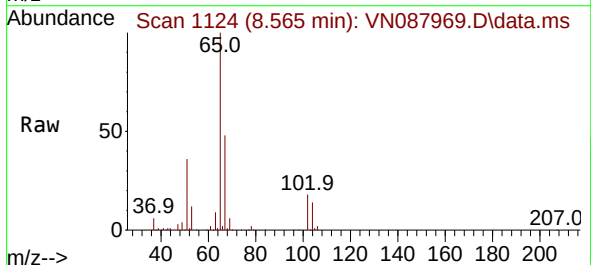
Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

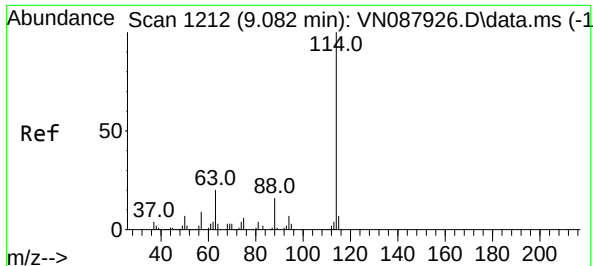
Tgt Ion:	84	Resp:	27314
Ion	Ratio	Lower	Upper
84	100		
49	113.4	92.1	138.1
51	36.7	27.7	41.5
86	73.8	49.6	74.4



#33
1,2-Dichloroethane-d4
Concen: 57.252 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion:	65	Resp:	177476
Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087969.D

Acq: 26 Sep 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

WC-A3-03-G

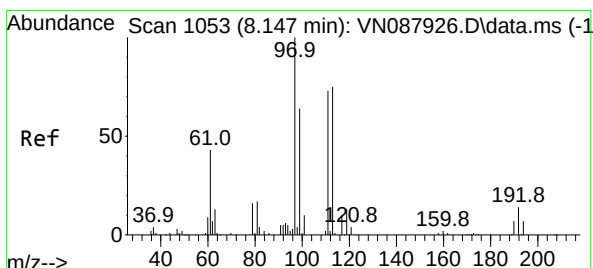
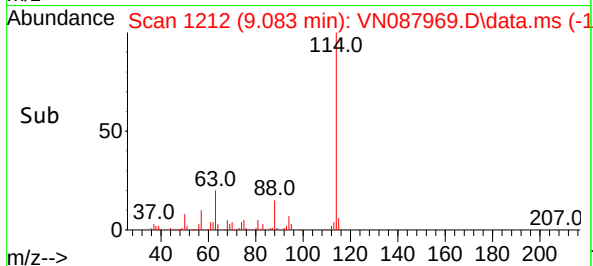
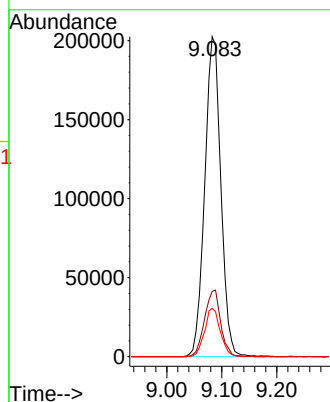
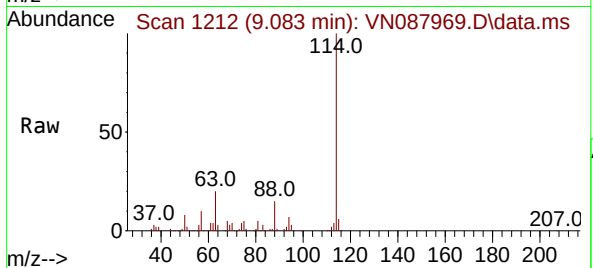
Tgt Ion:114 Resp: 412130

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.258 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087969.D

Acq: 26 Sep 2025 16:10

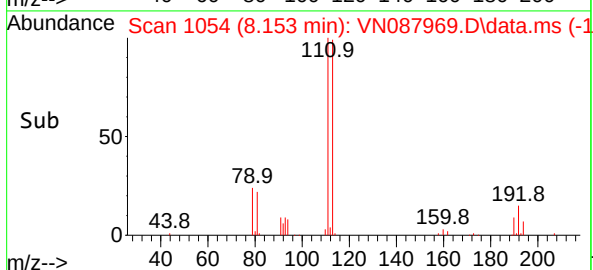
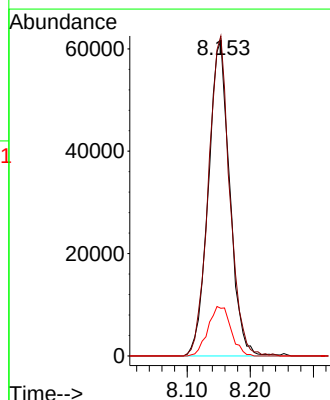
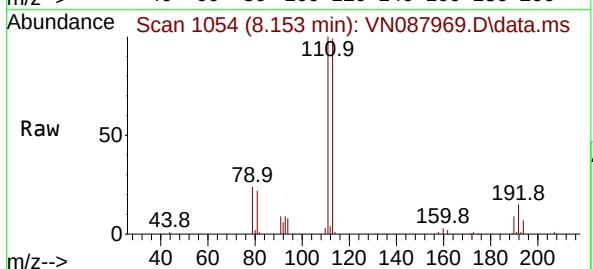
Tgt Ion:113 Resp: 144402

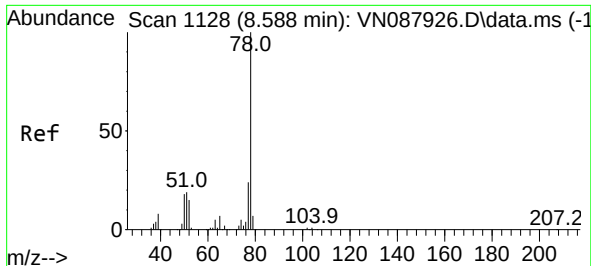
Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

192 16.8 14.2 21.2

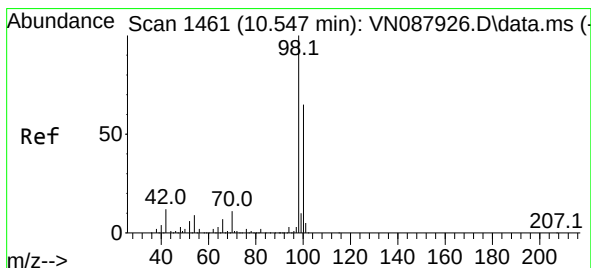
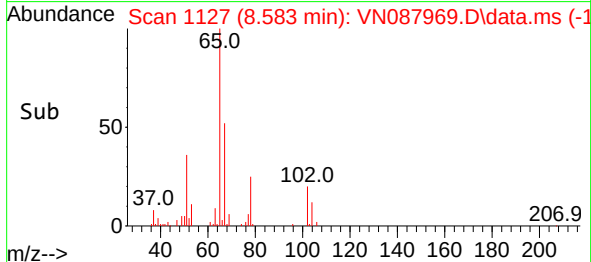
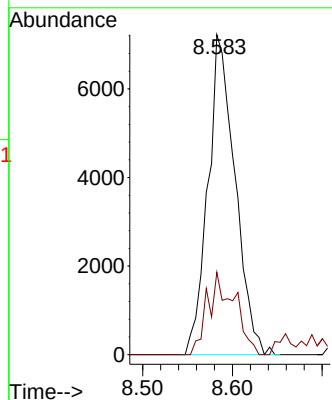
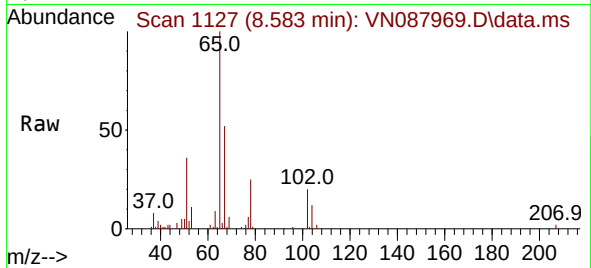




#40
Benzene
Concen: 1.274 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

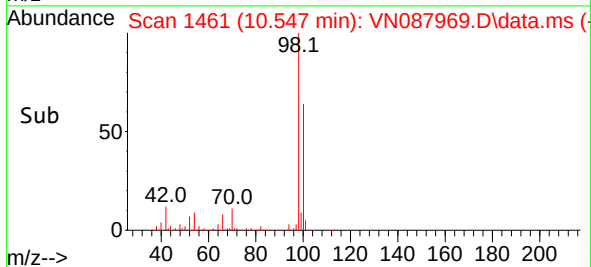
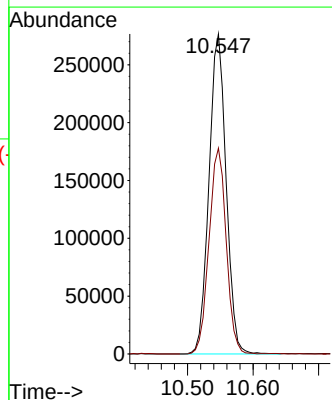
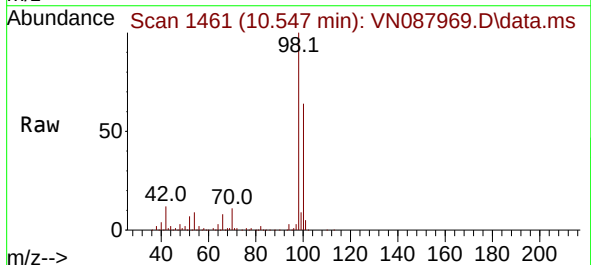
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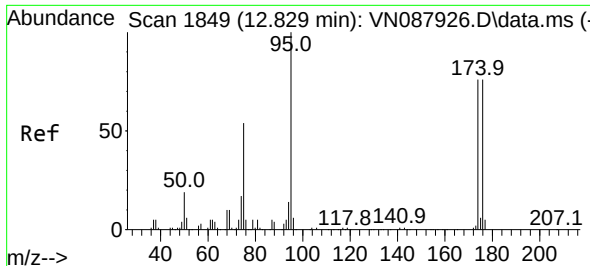
Tgt Ion: 78 Resp: 15182
Ion Ratio Lower Upper
78 100
77 25.8 19.0 28.6



#50
Toluene-d8
Concen: 47.770 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion: 98 Resp: 502673
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

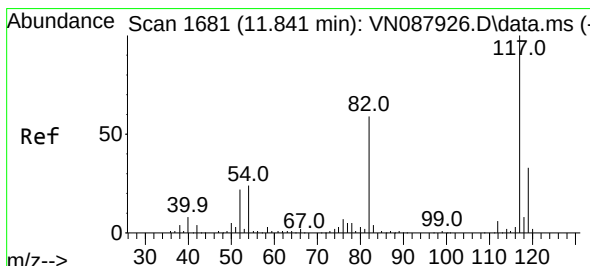
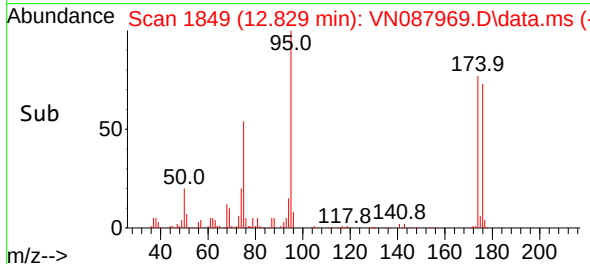
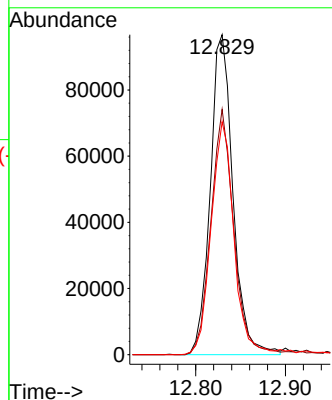
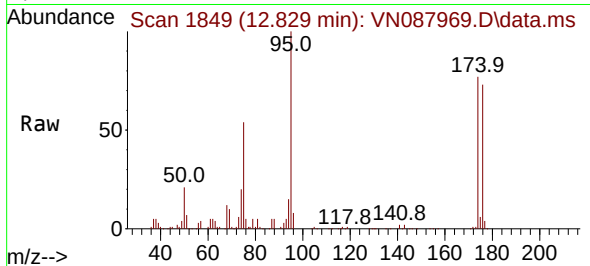




#62
4-Bromofluorobenzene
Concen: 45.220 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

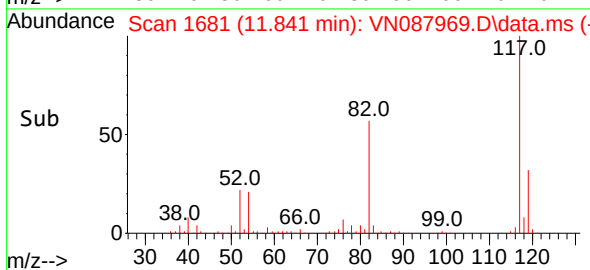
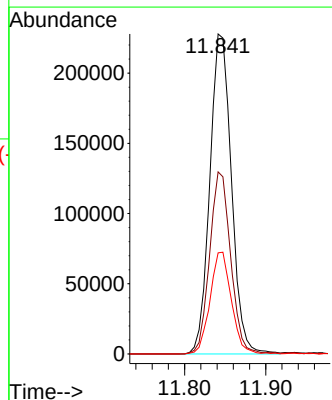
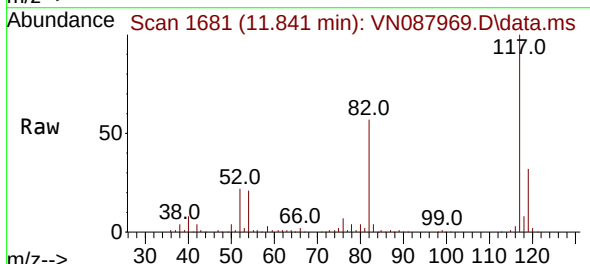
Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

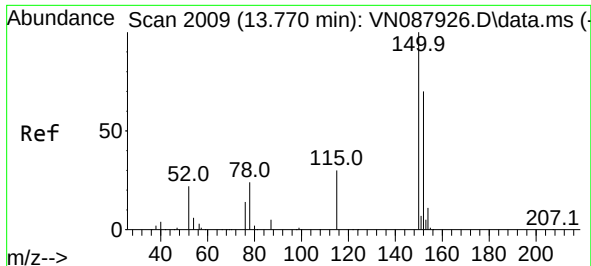
Tgt Ion: 95 Resp: 170088
Ion Ratio Lower Upper
95 100
174 77.2 0.0 159.2
176 72.9 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion: 117 Resp: 421613
Ion Ratio Lower Upper
117 100
82 56.9 47.0 70.4
119 31.6 26.1 39.1

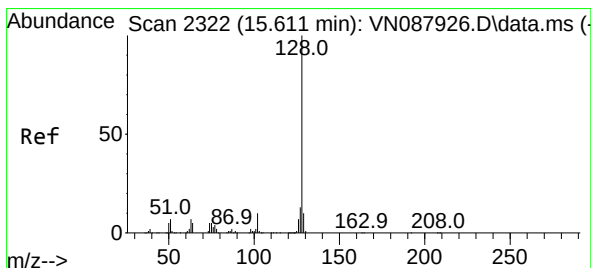
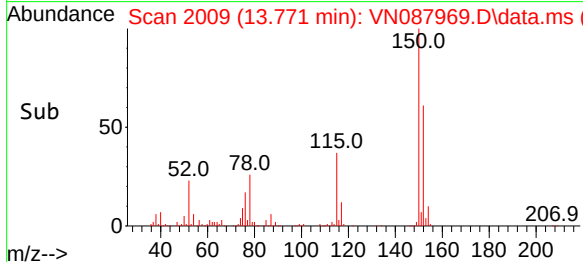
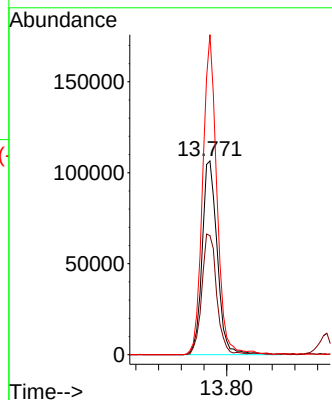
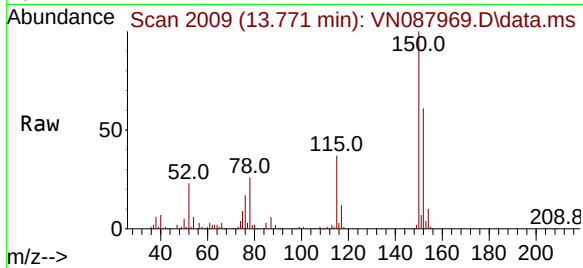




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

Tgt Ion:152 Resp: 196969
Ion Ratio Lower Upper
152 100
115 61.2 29.9 89.7
150 154.6 0.0 335.0



#95
Naphthalene
Concen: 98.477 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion:128 Resp: 1140310
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.0 8.6 13.0

