

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087996.D
 Acq On : 30 Sep 2025 12:31
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 01 04:41:38 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)

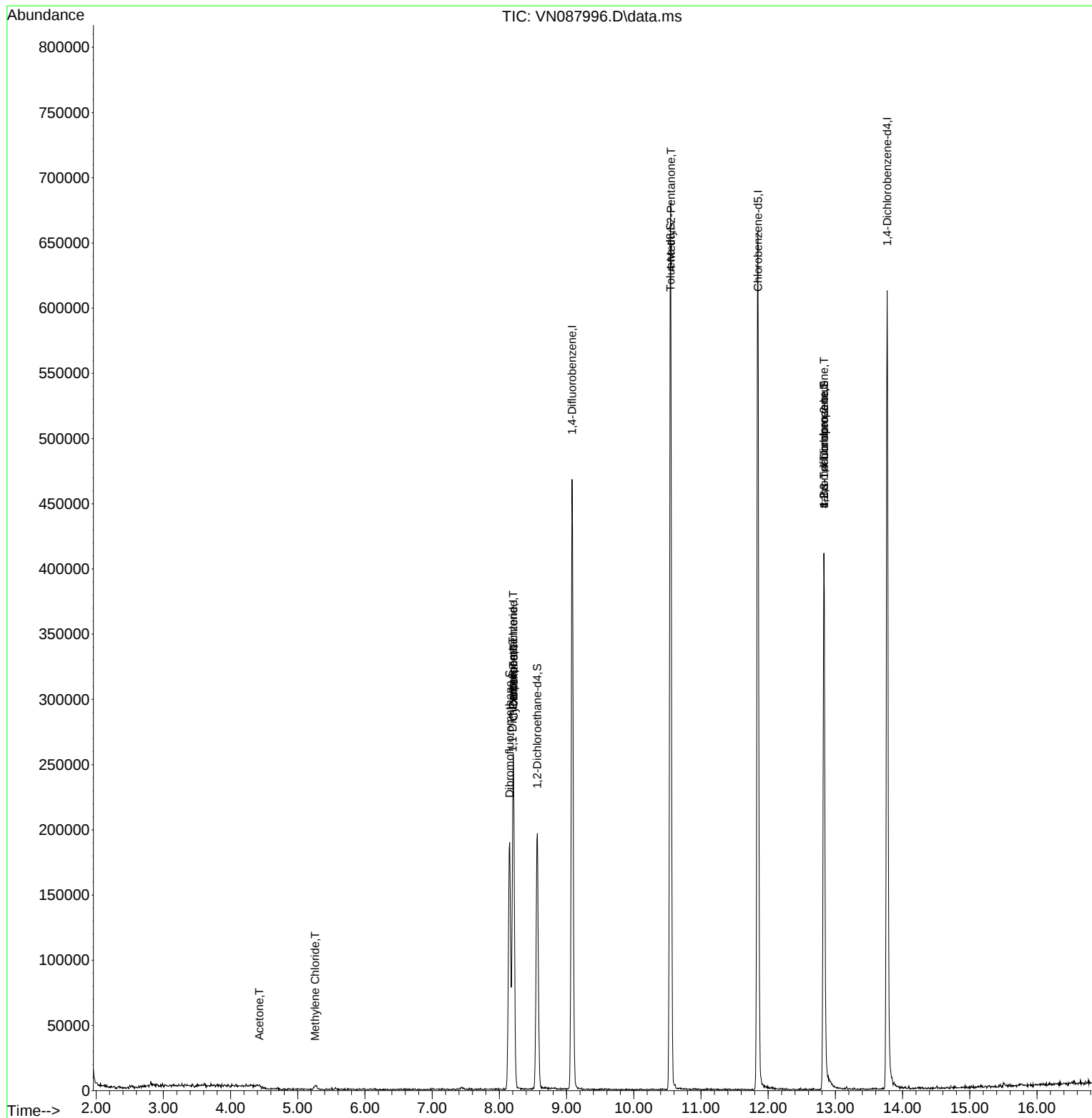
Internal Standards						
1) Pentafluorobenzene	8.206	168	177848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	379026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	375107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	175416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	160898	53.757	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.520%	
35) Dibromofluoromethane	8.153	113	137981	50.140	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.280%	
50) Toluene-d8	10.547	98	451762	46.682	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.360%	
62) 4-Bromofluorobenzene	12.829	95	147384	42.607	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 85.220%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	1714	1.392	ug/l #	80
20) Methylene Chloride	5.259	84	1311	0.526	ug/l #	87
31) Cyclohexane	8.212	56	5139	1.531	ug/l #	57
36) 1,1-Dichloropropene	8.200	75	17176	5.191	ug/l #	48
38) Carbon Tetrachloride	8.206	117	20032	5.276	ug/l #	20
51) 4-Methyl-2-Pentanone	10.553	43	2080	0.487	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	82008	23.717	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	82008	65.857	ug/l #	9

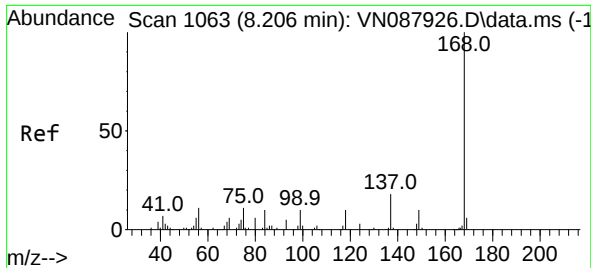
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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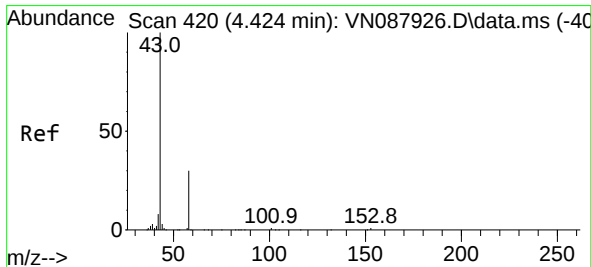
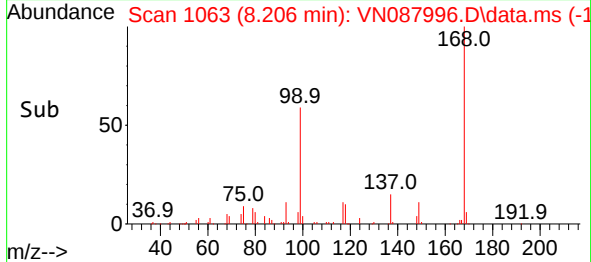
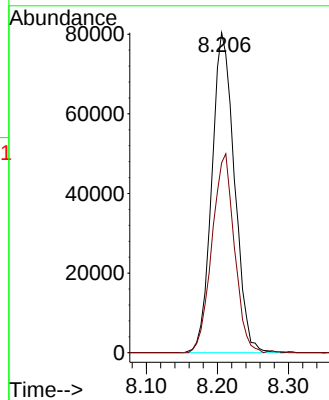
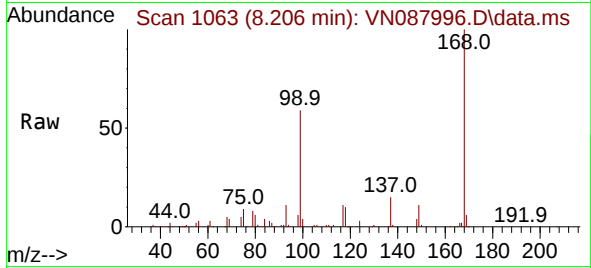




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

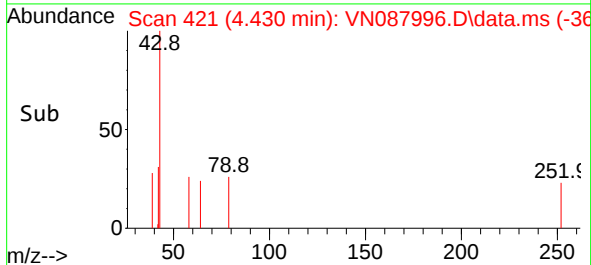
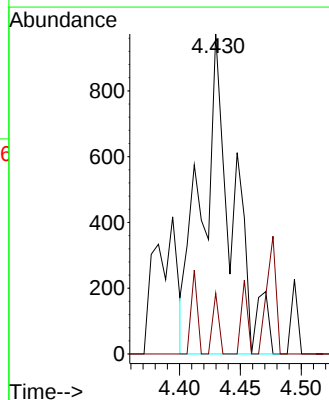
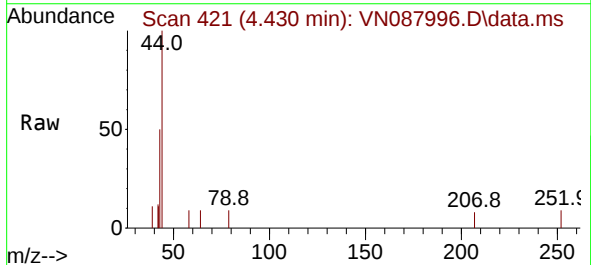
Instrument :
MSVOA_N
ClientSampleId :
IBLK

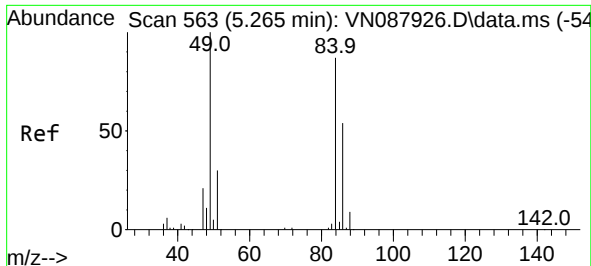
Tgt Ion:168 Resp: 177848
Ion Ratio Lower Upper
168 100
99 59.4 52.2 78.2



#16
Acetone
Concen: 1.392 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

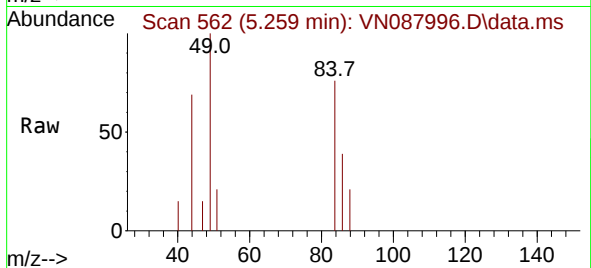
Tgt Ion: 43 Resp: 1714
Ion Ratio Lower Upper
43 100
58 19.0 24.1 36.1#





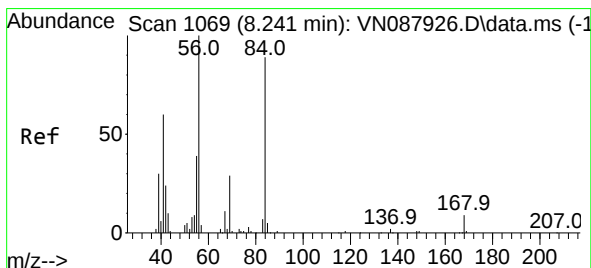
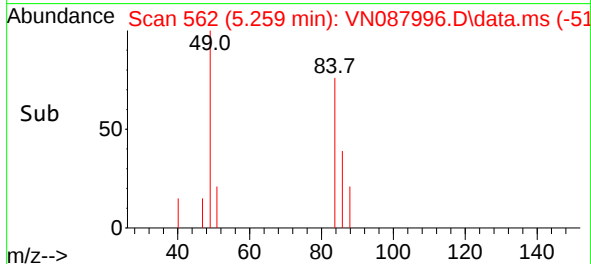
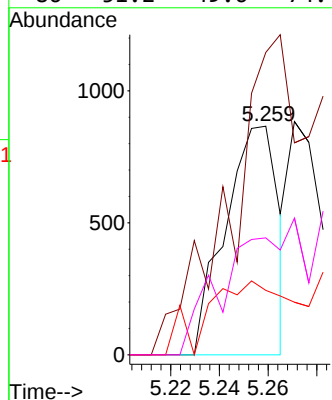
#20
Methylene Chloride
Concen: 0.526 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion: 84 Resp: 1311

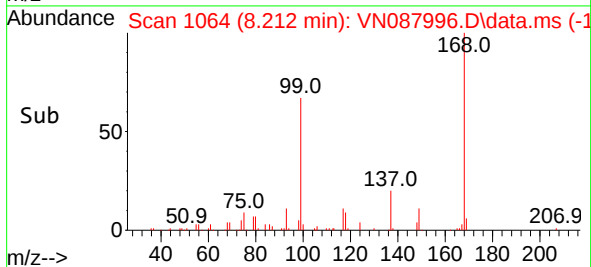
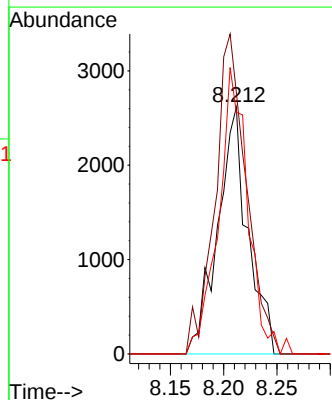
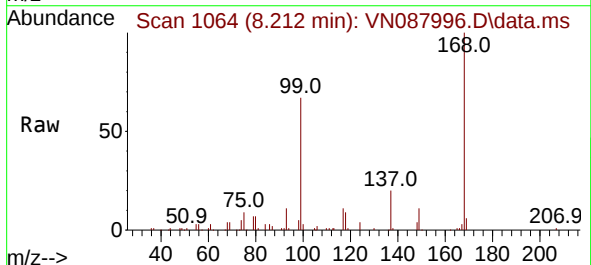
Ion	Ratio	Lower	Upper
84	100		
49	112.4	92.1	138.1
51	6.6	27.7	41.5#
86	51.2	49.6	74.4

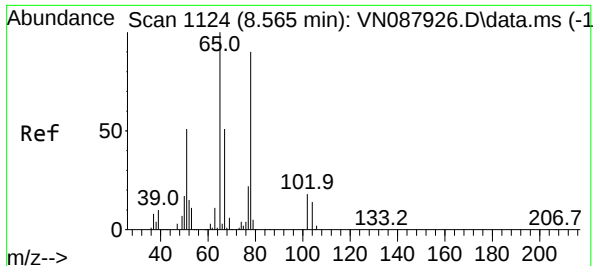


#31
Cyclohexane
Concen: 1.531 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.030 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

Tgt Ion: 56 Resp: 5139

Ion	Ratio	Lower	Upper
56	100		
69	105.9	23.4	35.0#
84	97.9	70.8	106.2





#33

1,2-Dichloroethane-d4

Concen: 53.757 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. -0.000 min

Lab File: VN087996.D

Acq: 30 Sep 2025 12:31

Instrument :

MSVOA_N

ClientSampleId :

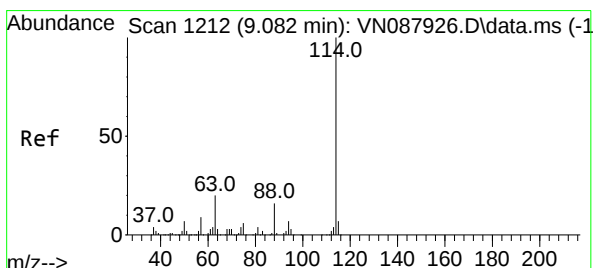
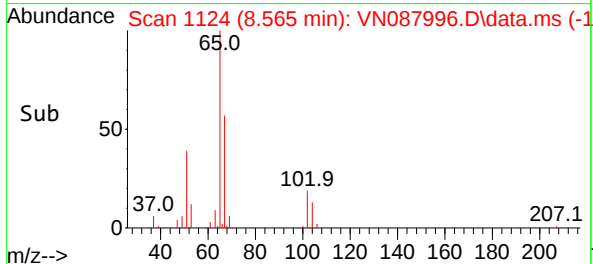
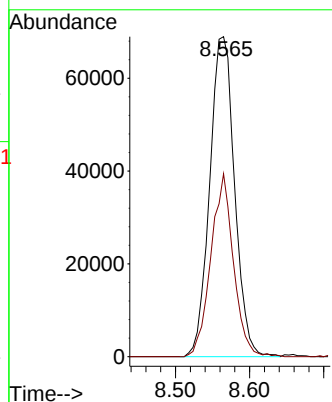
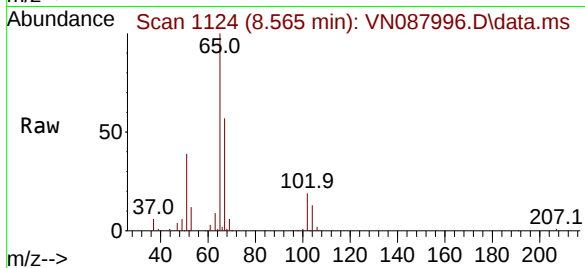
IBLK

Tgt Ion: 65 Resp: 160898

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087996.D

Acq: 30 Sep 2025 12:31

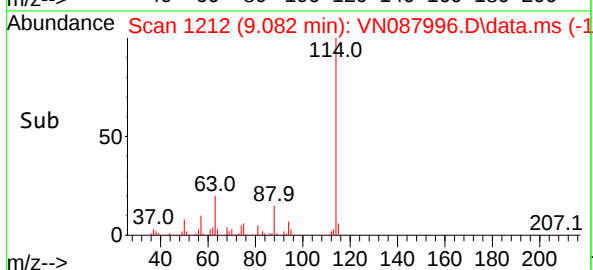
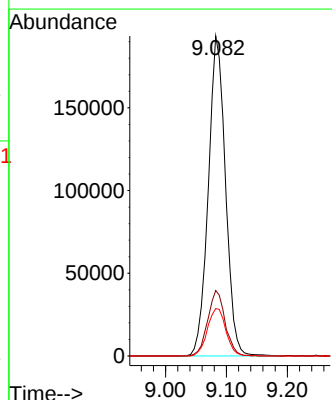
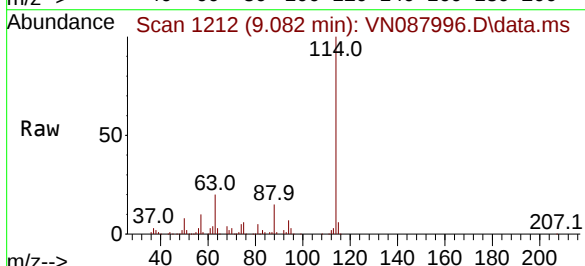
Tgt Ion: 114 Resp: 379026

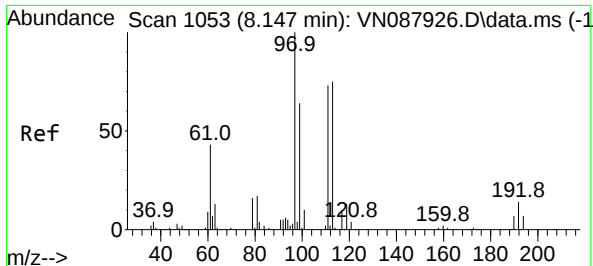
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.140 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087996.D

Acq: 30 Sep 2025 12:31

Instrument :

MSVOA_N

ClientSampleId :

IBLK

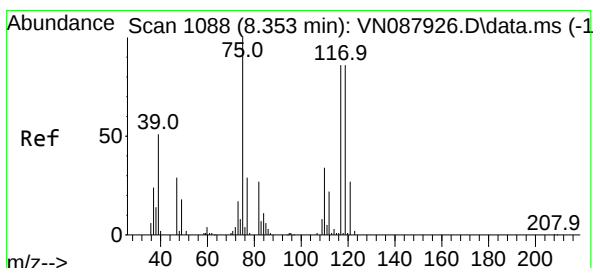
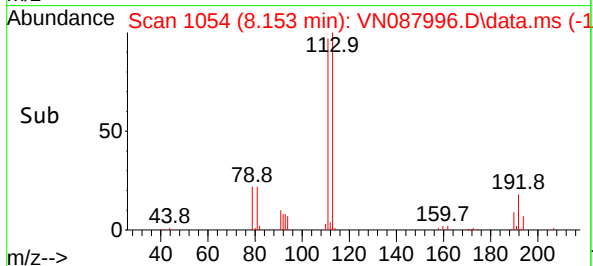
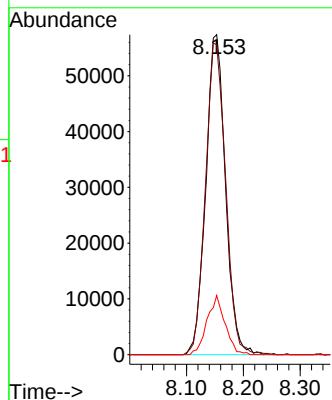
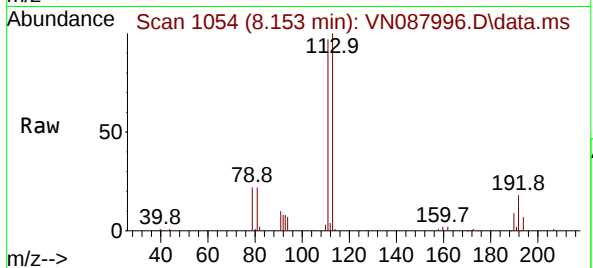
Tgt Ion:113 Resp: 137981

Ion Ratio Lower Upper

113 100

111 99.7 82.2 123.2

192 16.9 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.191 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN087996.D

Acq: 30 Sep 2025 12:31

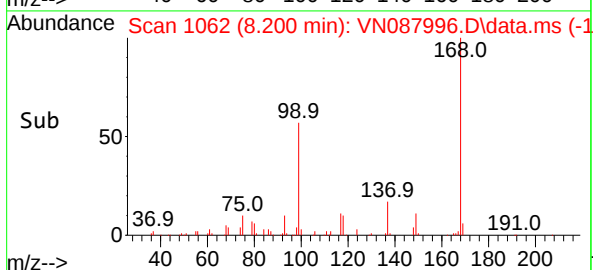
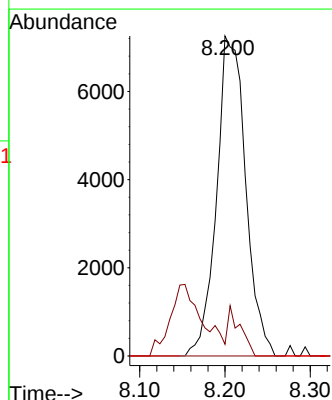
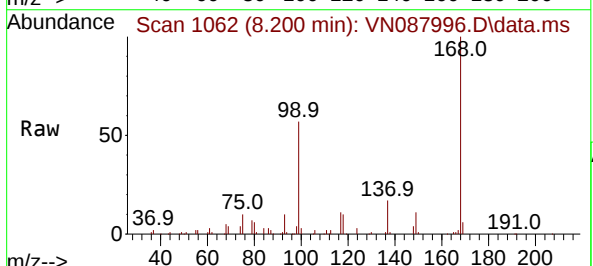
Tgt Ion: 75 Resp: 17176

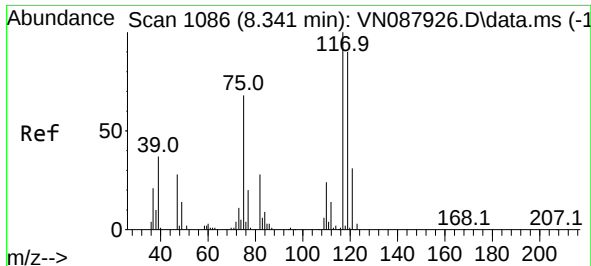
Ion Ratio Lower Upper

75 100

110 6.6 17.1 51.3#

77 0.0 24.8 37.2#

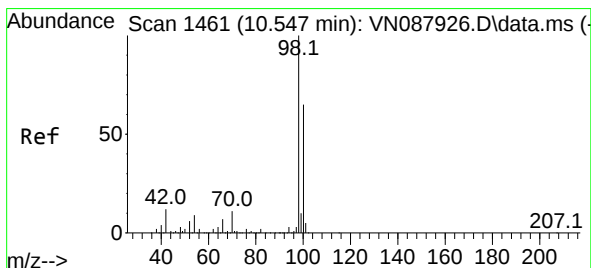
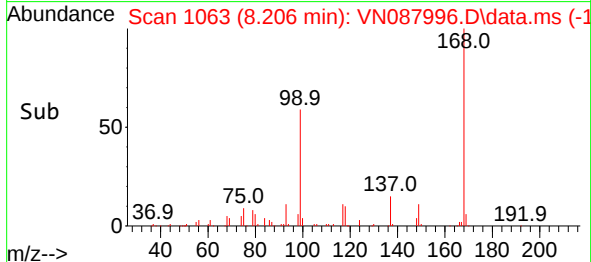
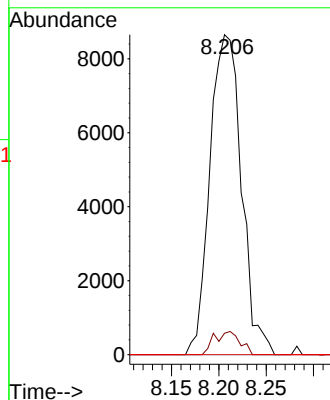
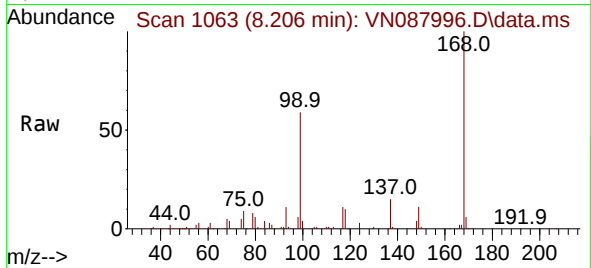




#38
Carbon Tetrachloride
Concen: 5.276 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

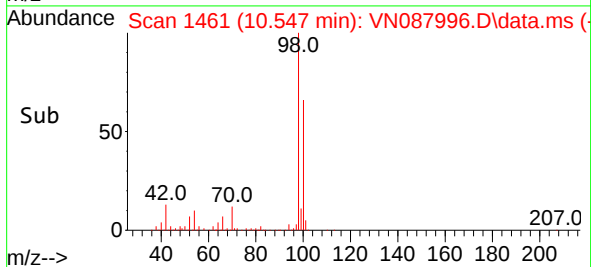
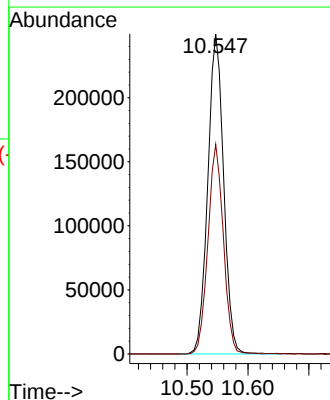
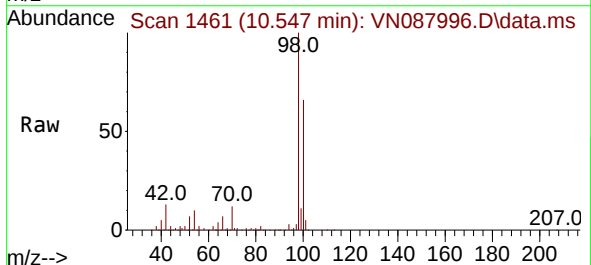
Instrument :
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ClientSampleId :
IBLK

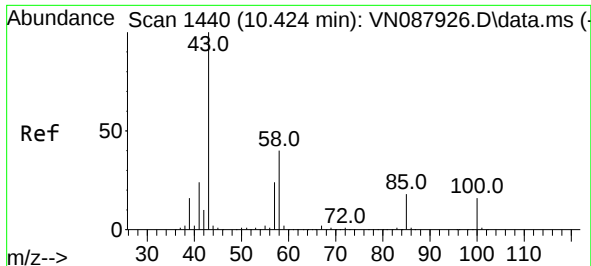
Tgt Ion:117 Resp: 20032
Ion Ratio Lower Upper
117 100
119 6.7 72.1 108.1#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 46.682 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

Tgt Ion: 98 Resp: 451762
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

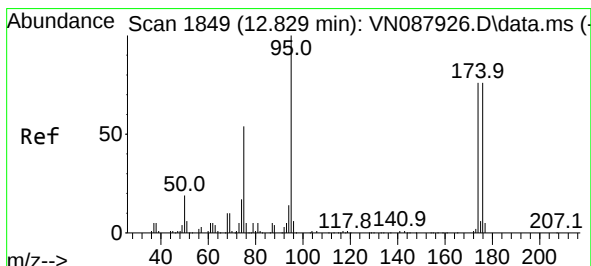
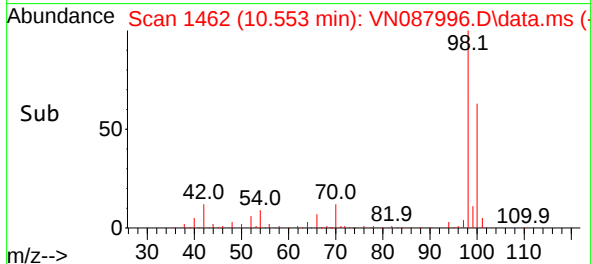
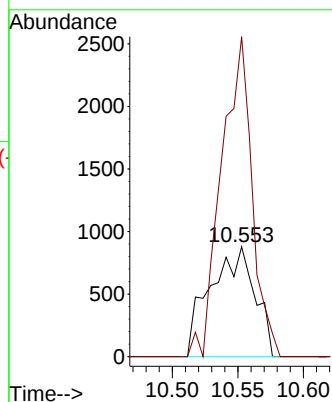
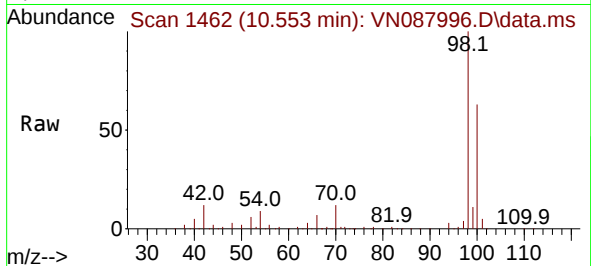




#51
4-Methyl-2-Pentanone
Concen: 0.487 ug/l
RT: 10.553 min Scan# 1440
Delta R.T. 0.129 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

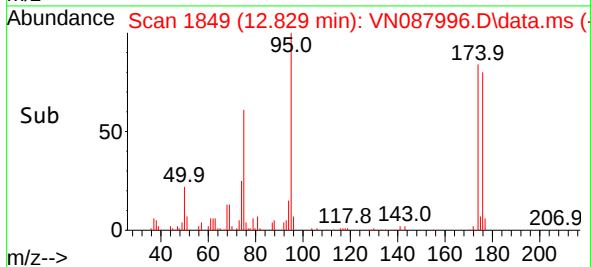
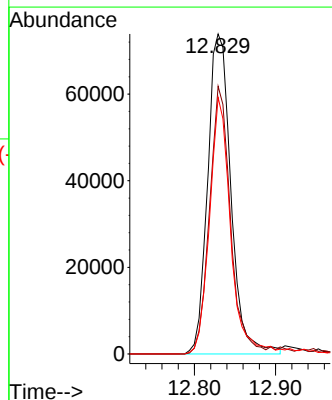
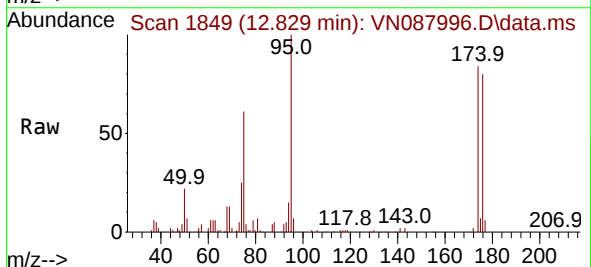
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MSVOA_N
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IBLK

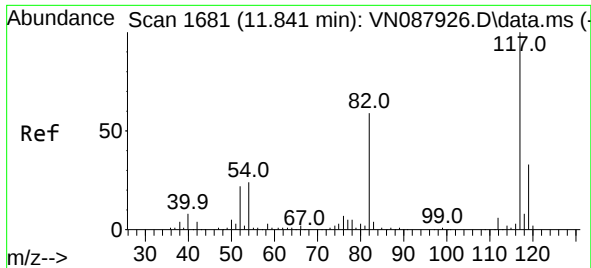
Tgt Ion: 43 Resp: 2080
Ion Ratio Lower Upper
43 100
58 199.3 31.0 46.6#



#62
4-Bromofluorobenzene
Concen: 42.607 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

Tgt Ion: 95 Resp: 147384
Ion Ratio Lower Upper
95 100
174 75.1 0.0 159.2
176 72.6 0.0 152.6

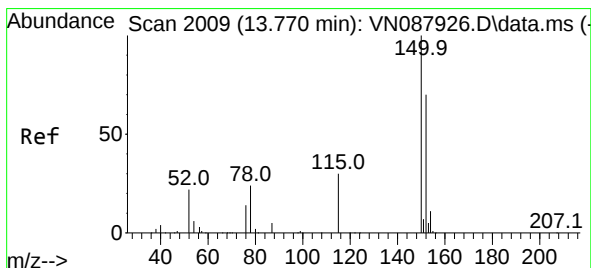
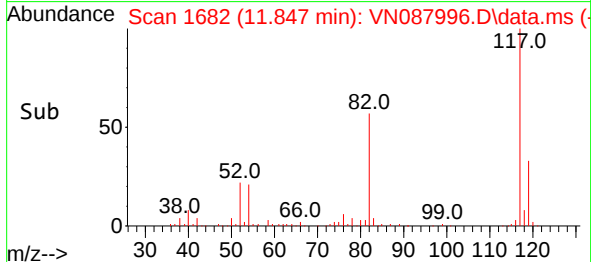
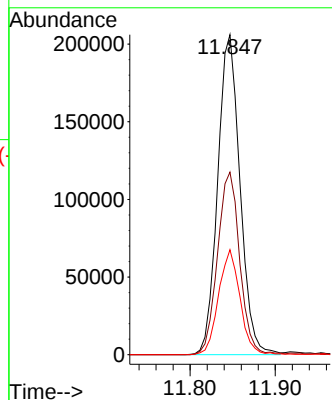
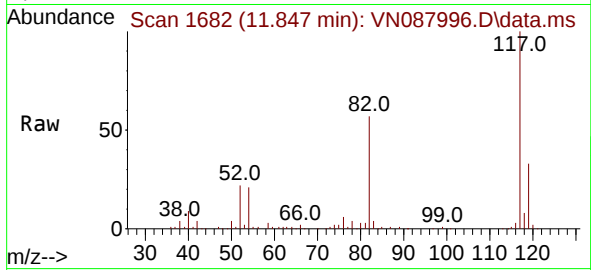




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

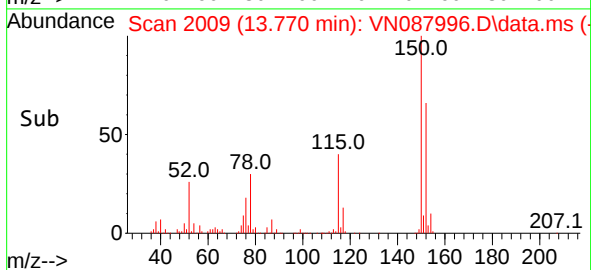
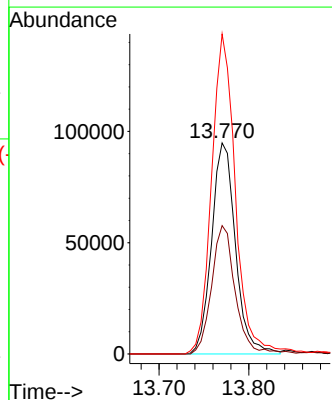
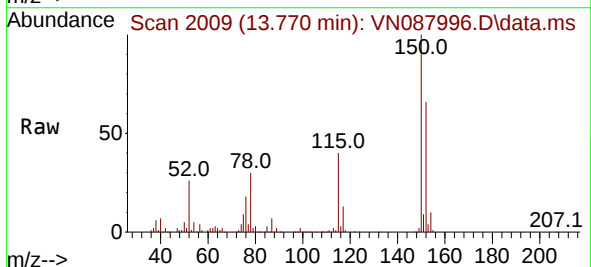
Instrument :
MSVOA_N
ClientSampleId :
IBLK

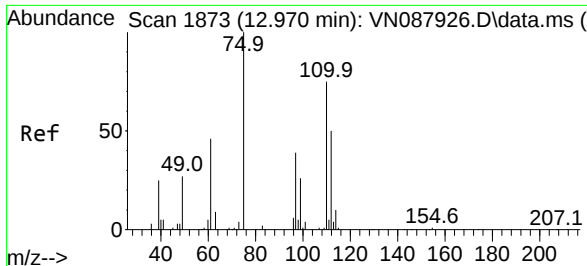
Tgt Ion:117 Resp: 375107
Ion Ratio Lower Upper
117 100
82 57.0 47.0 70.4
119 32.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

Tgt Ion:152 Resp: 175416
Ion Ratio Lower Upper
152 100
115 60.2 29.9 89.7
150 151.5 0.0 335.0

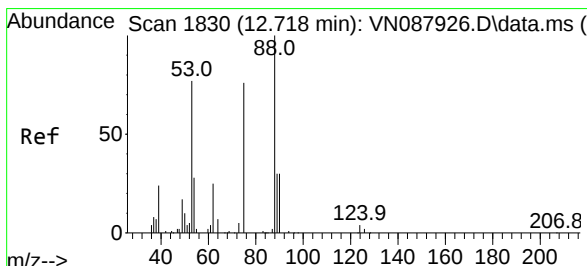
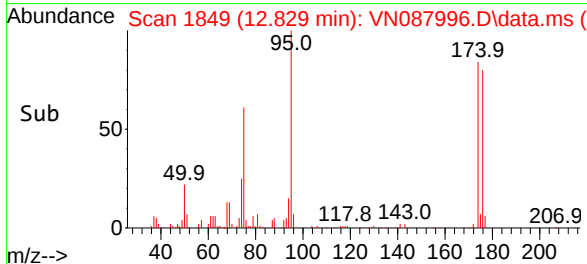
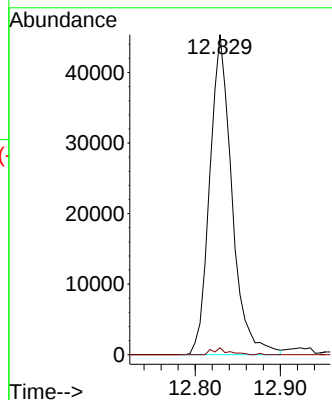
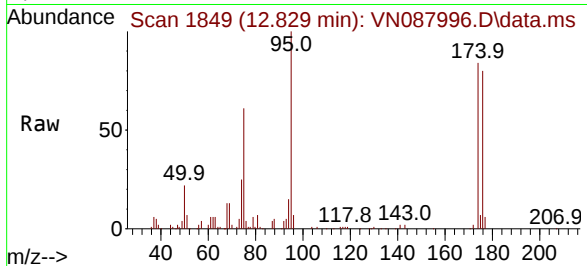




#76
1,2,3-Trichloropropane
Concen: 23.717 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 82008
Ion Ratio Lower Upper
75 100
77 1.5 89.5 268.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.857 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087996.D
Acq: 30 Sep 2025 12:31

Tgt Ion: 75 Resp: 82008
Ion Ratio Lower Upper
75 100
53 0.1 82.0 123.0#
89 0.0 36.1 54.1#

