

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086981.D
 Acq On : 12 Jun 2025 16:39
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 13 01:30:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

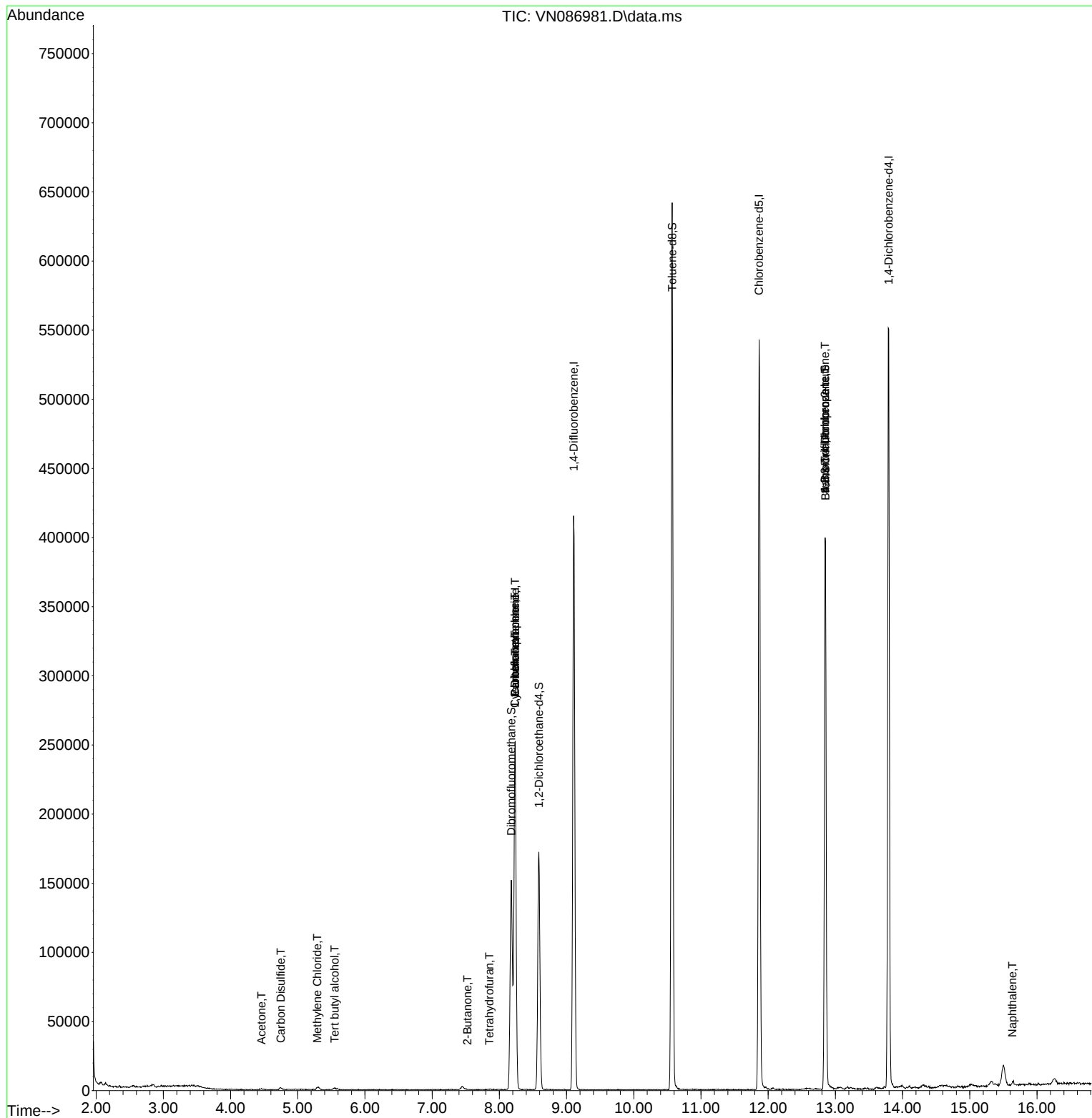
Internal Standards						
1) Pentafluorobenzene	8.235	168	198258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	387180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	346249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	161624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	139481	52.546	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.100%	
35) Dibromofluoromethane	8.177	113	116405	50.732	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.460%	
50) Toluene-d8	10.570	98	471551	51.913	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.820%	
62) 4-Bromofluorobenzene	12.847	95	166555	49.353	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.547	59	2982	4.140	ug/l #	78
16) Acetone	4.459	43	1501	1.066	ug/l #	77
17) Carbon Disulfide	4.747	76	2342	0.384	ug/l #	75
20) Methylene Chloride	5.288	84	1646	0.625	ug/l #	79
25) 2-Butanone	7.524	43	598	0.261	ug/l #	46
29) Tetrahydrofuran	7.853	42	456	0.306	ug/l #	45
31) Cyclohexane	8.229	56	3401	0.790	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	15093	4.414	ug/l #	48
38) Carbon Tetrachloride	8.235	117	18986	5.656	ug/l #	17
71) Bromoform	12.853	173	638	0.351	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77268	20.112	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77268	46.297	ug/l #	16
95) Naphthalene	15.635	128	3933	0.324	ug/l #	86

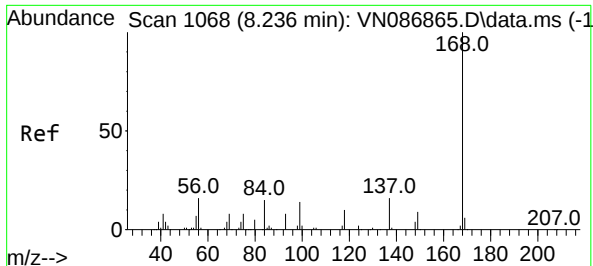
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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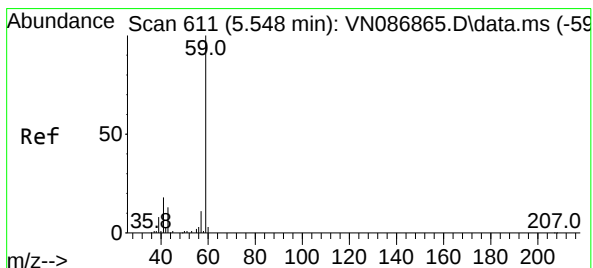
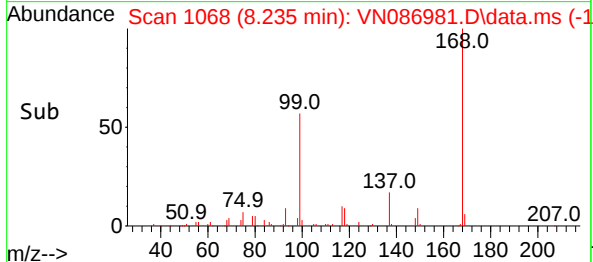
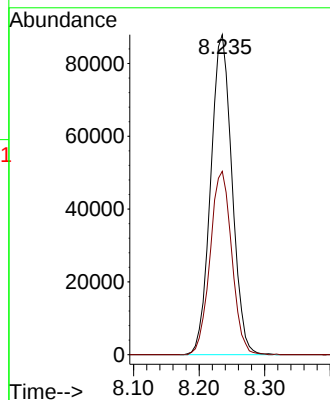
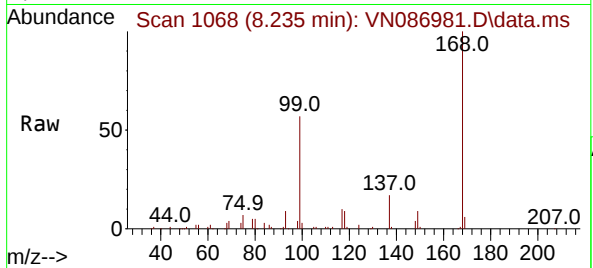




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

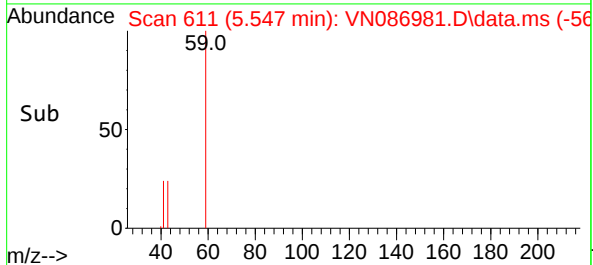
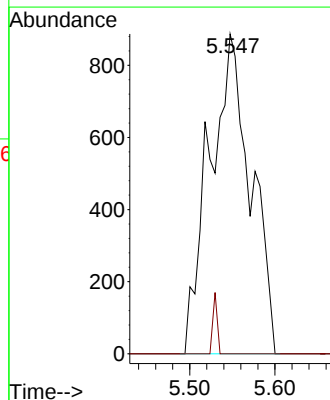
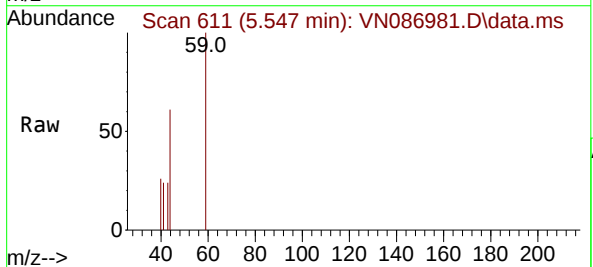
Instrument :
MSVOA_N
ClientSampleId :
IBLK

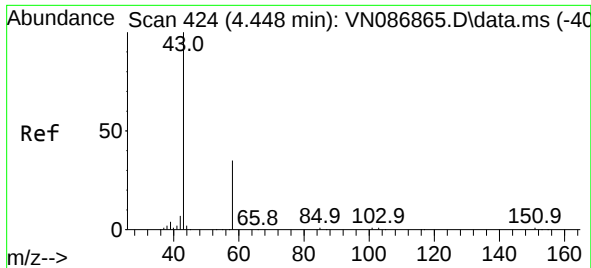
Tgt Ion:168 Resp: 198258
Ion Ratio Lower Upper
168 100
99 57.3 49.1 73.7



#11
Tert butyl alcohol
Concen: 4.140 ug/l
RT: 5.547 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

Tgt Ion: 59 Resp: 2982
Ion Ratio Lower Upper
59 100
57 2.0 8.1 12.1#





#16

Acetone

Concen: 1.066 ug/l

RT: 4.459 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN086981.D

Acq: 12 Jun 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

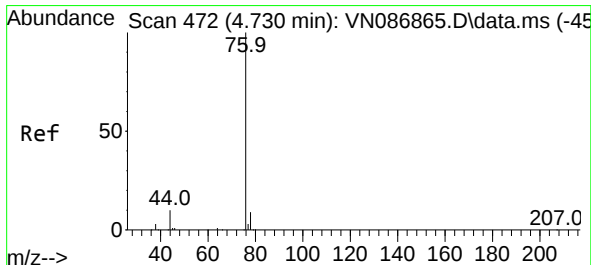
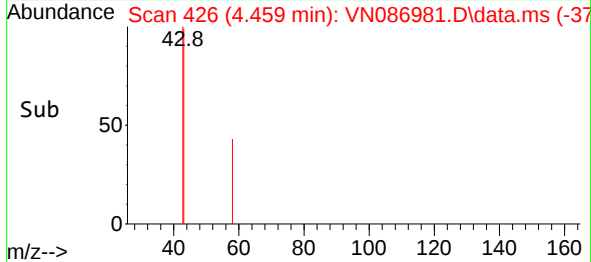
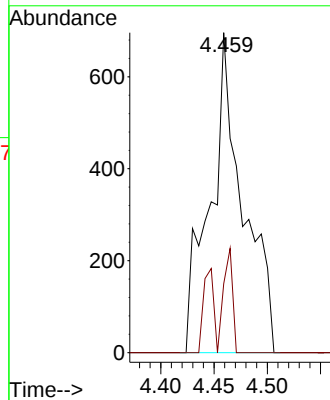
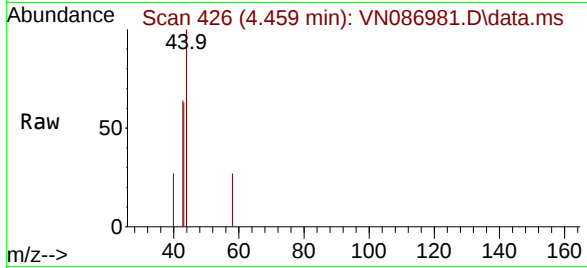
IBLK

Tgt Ion: 43 Resp: 1501

Ion Ratio Lower Upper

43 100

58 21.6 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.384 ug/l

RT: 4.747 min Scan# 475

Delta R.T. 0.017 min

Lab File: VN086981.D

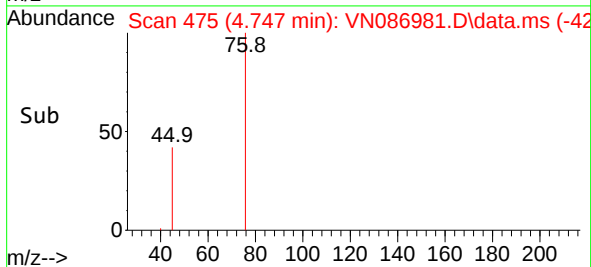
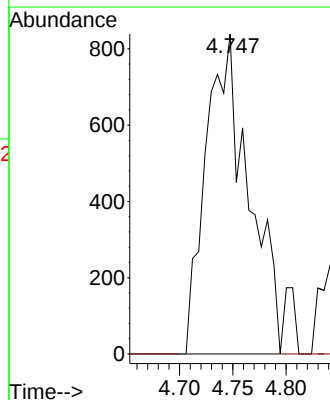
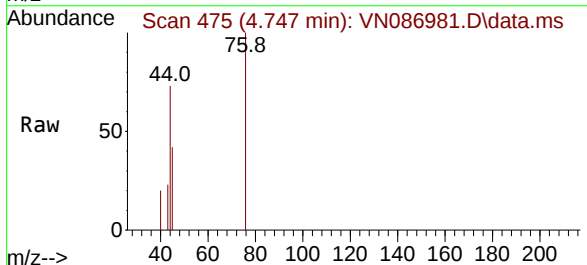
Acq: 12 Jun 2025 16:39

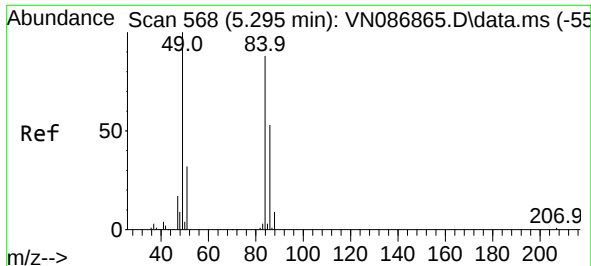
Tgt Ion: 76 Resp: 2342

Ion Ratio Lower Upper

76 100

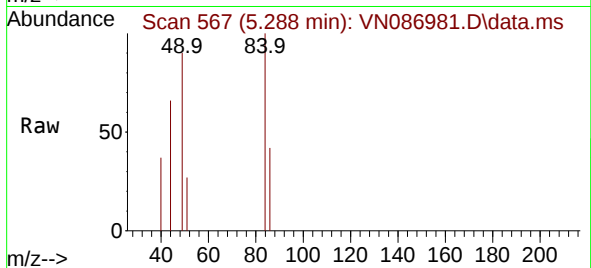
78 0.0 7.3 10.9#



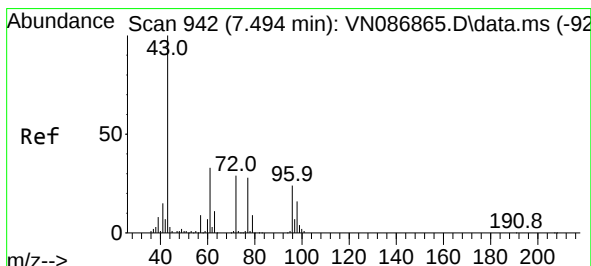
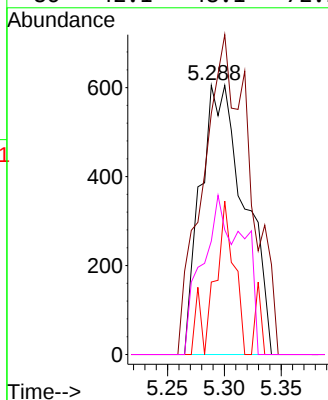
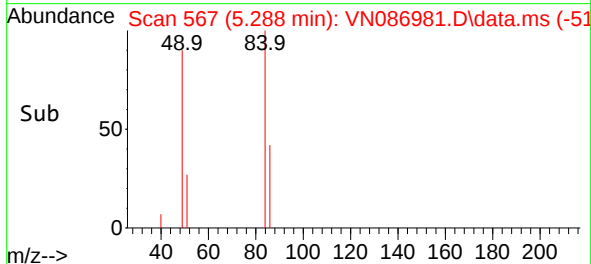


#20
Methylene Chloride
Concen: 0.625 ug/l
RT: 5.288 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

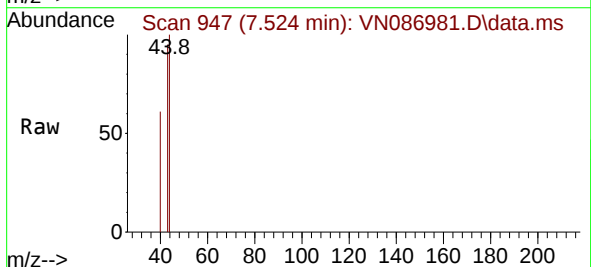
Instrument :
MSVOA_N
ClientSampleId :
IBLK



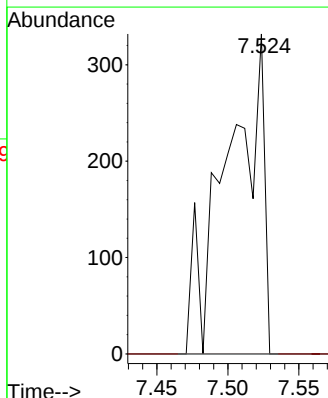
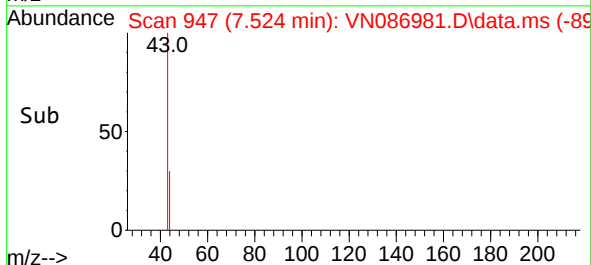
Tgt Ion: 84 Resp: 1646
Ion Ratio Lower Upper
84 100
49 89.6 90.5 135.7#
51 26.9 28.5 42.7#
86 42.1 48.1 72.1#

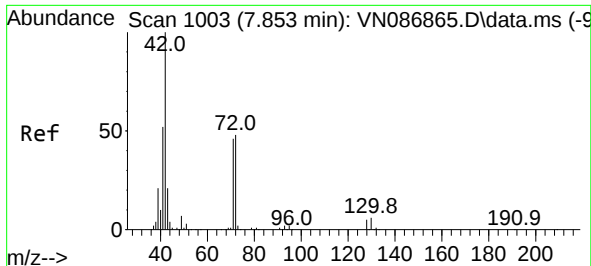


#25
2-Butanone
Concen: 0.261 ug/l
RT: 7.524 min Scan# 947
Delta R.T. 0.029 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39



Tgt Ion: 43 Resp: 598
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#

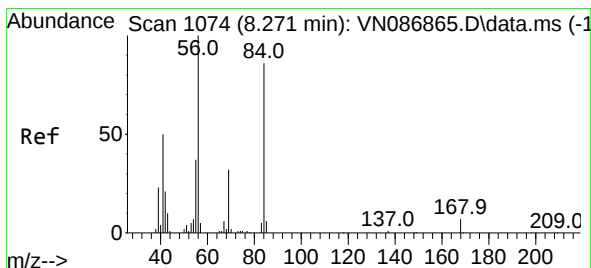
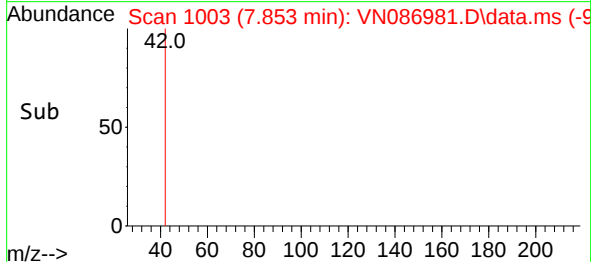
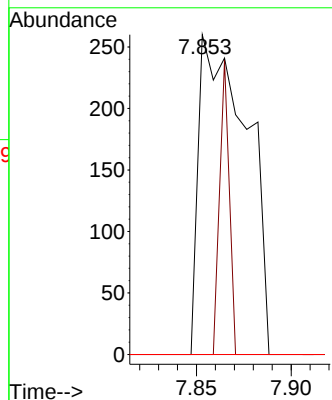
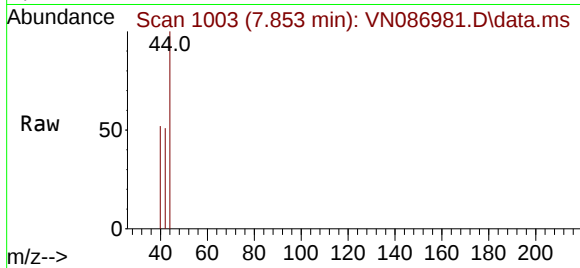




#29
Tetrahydrofuran
Concen: 0.306 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

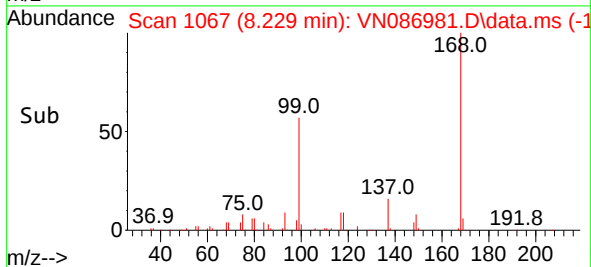
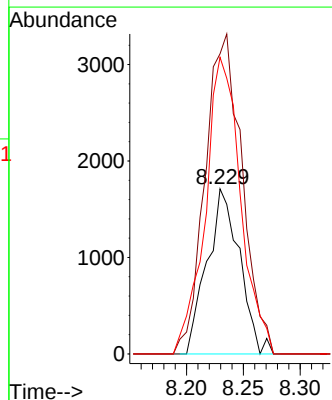
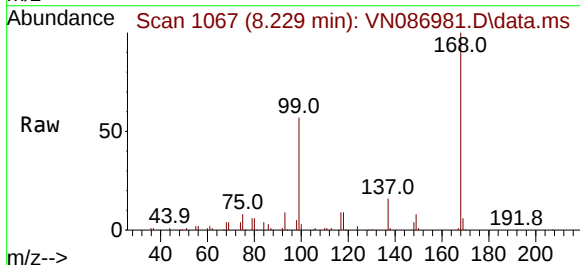
Instrument :
MSVOA_N
ClientSampleId :
IBLK

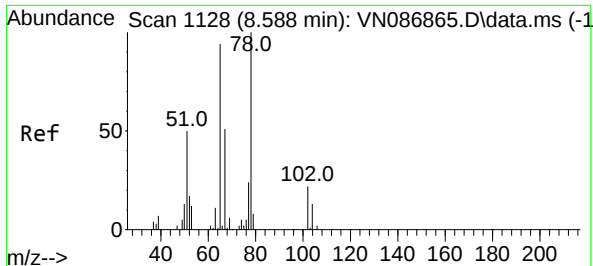
Tgt Ion: 42 Resp: 456
Ion Ratio Lower Upper
42 100
72 18.4 37.8 56.6#
71 0.0 35.6 53.4#



#31
Cyclohexane
Concen: 0.790 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

Tgt Ion: 56 Resp: 3401
Ion Ratio Lower Upper
56 100
69 181.8 25.4 38.0#
84 179.6 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 52.546 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086981.D

Acq: 12 Jun 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

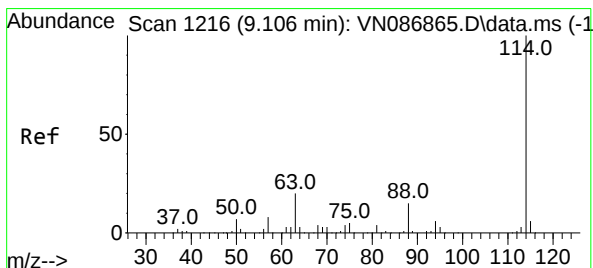
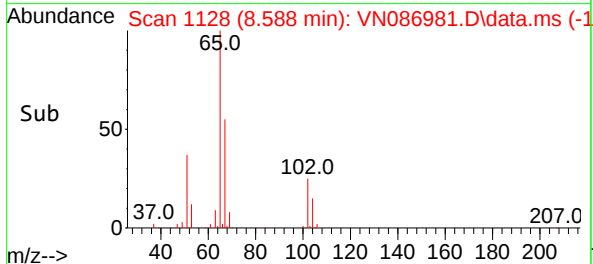
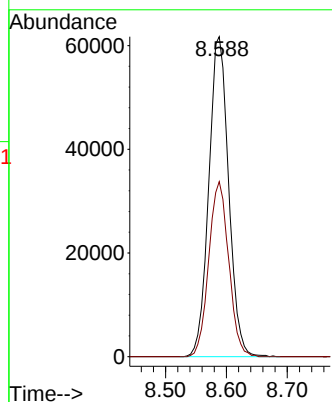
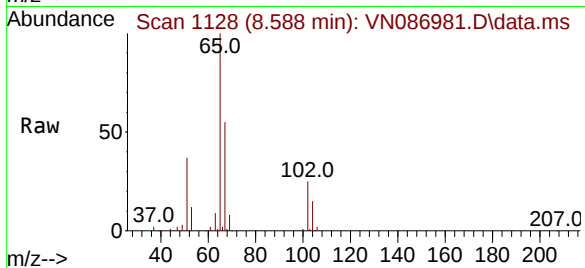
IBLK

Tgt Ion: 65 Resp: 139481

Ion Ratio Lower Upper

65 100

67 55.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086981.D

Acq: 12 Jun 2025 16:39

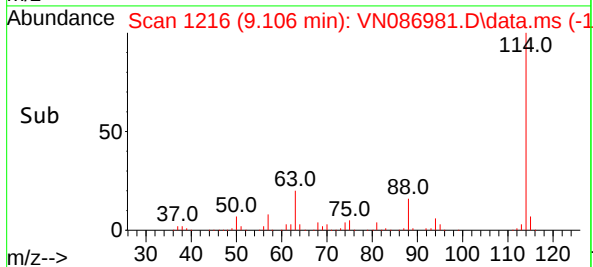
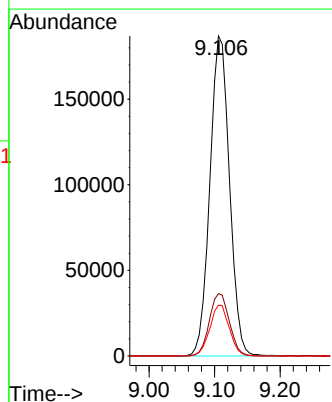
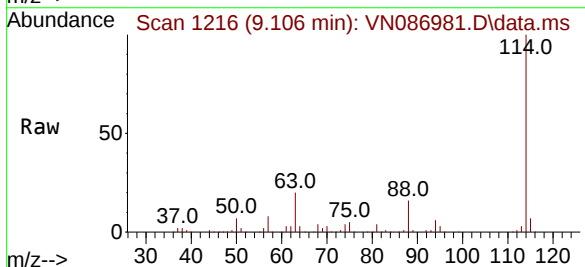
Tgt Ion: 114 Resp: 387180

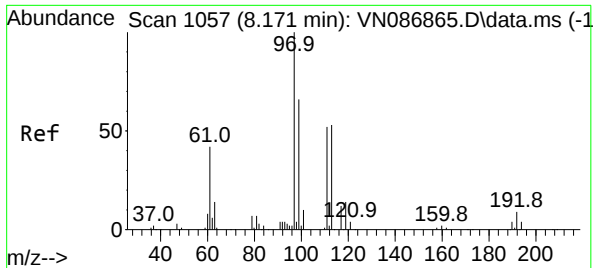
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.732 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN086981.D

Acq: 12 Jun 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

IBLK

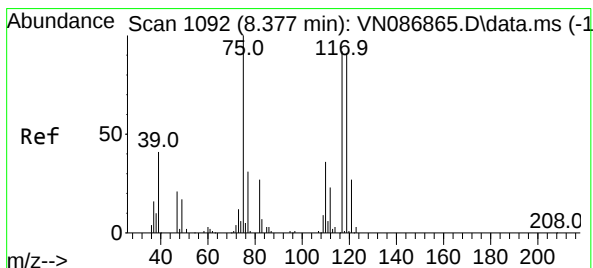
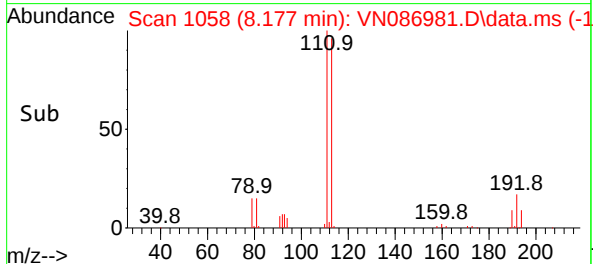
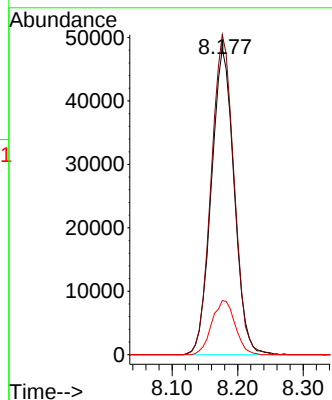
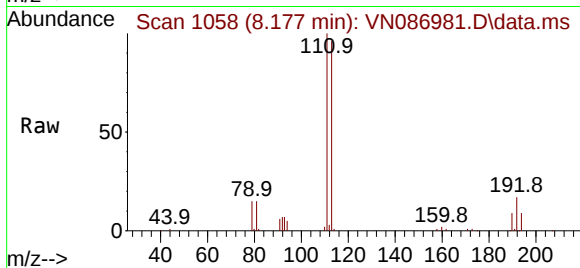
Tgt Ion:113 Resp: 116405

Ion Ratio Lower Upper

113 100

111 104.5 84.2 126.2

192 18.0 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.414 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086981.D

Acq: 12 Jun 2025 16:39

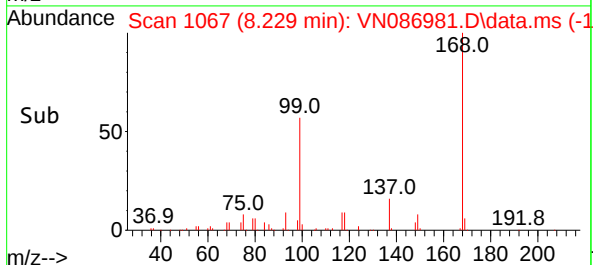
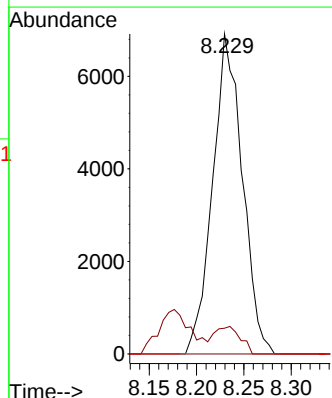
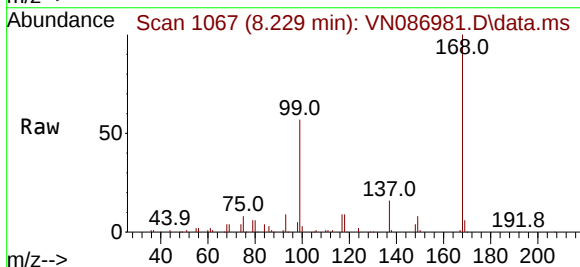
Tgt Ion: 75 Resp: 15093

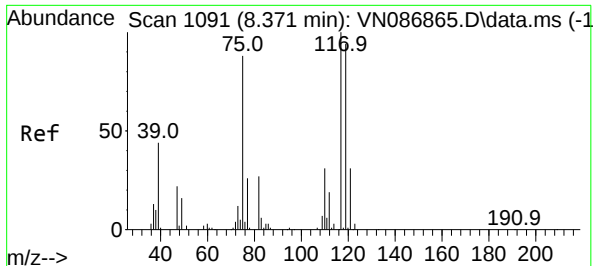
Ion Ratio Lower Upper

75 100

110 7.4 17.6 52.9#

77 0.0 25.3 37.9#

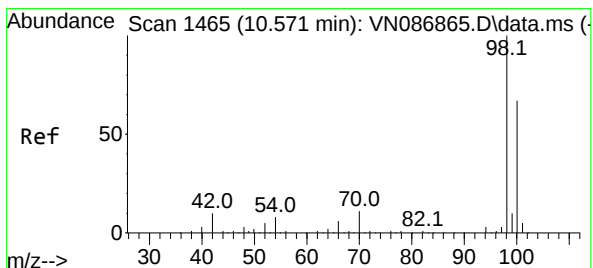
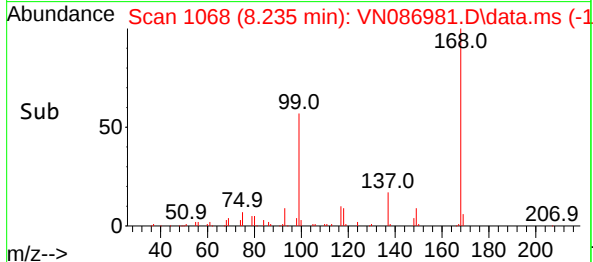
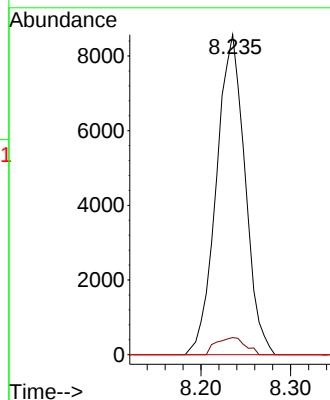
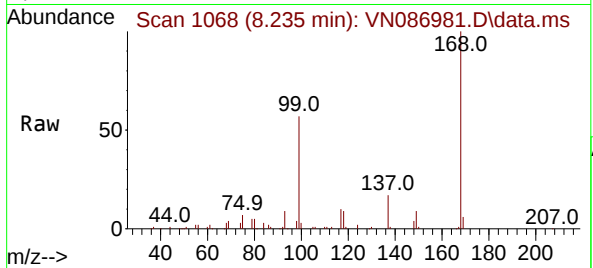




#38
Carbon Tetrachloride
Concen: 5.656 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

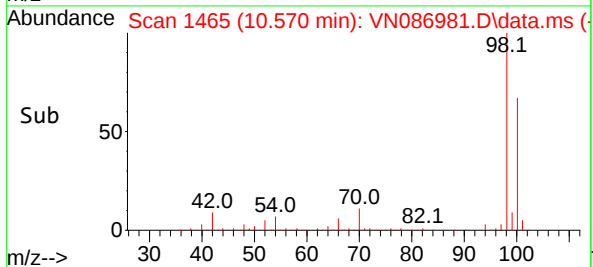
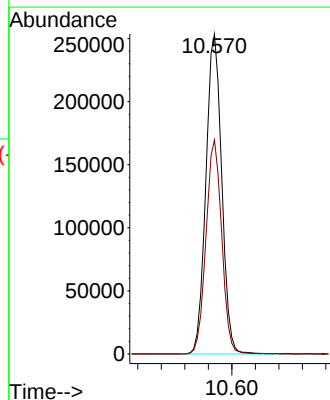
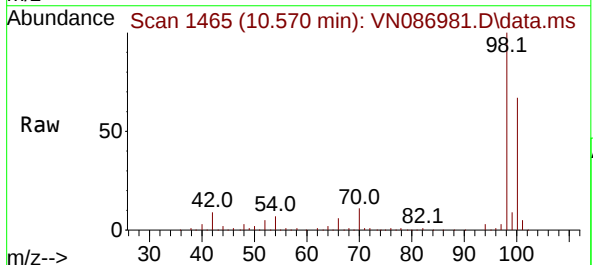
Instrument :
MSVOA_N
ClientSampleId :
IBLK

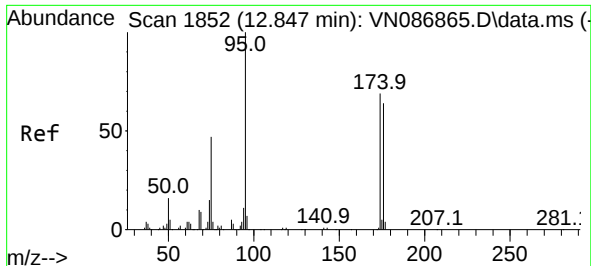
Tgt Ion:117 Resp: 18986
Ion Ratio Lower Upper
117 100
119 5.4 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.913 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

Tgt Ion: 98 Resp: 471551
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0

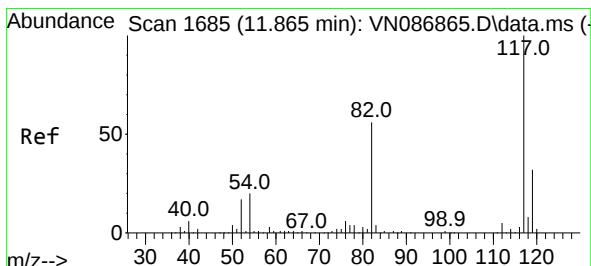
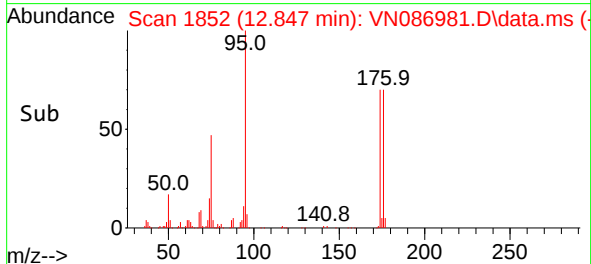
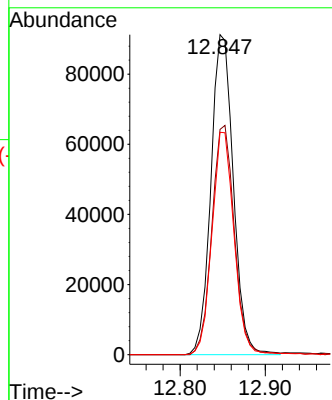
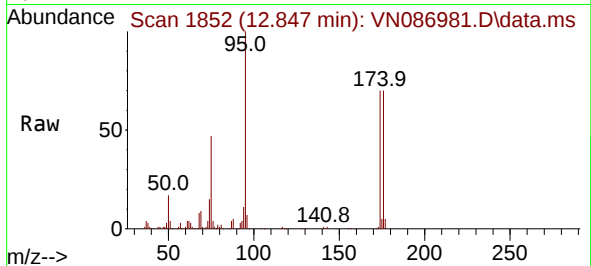




#62
4-Bromofluorobenzene
Concen: 49.353 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

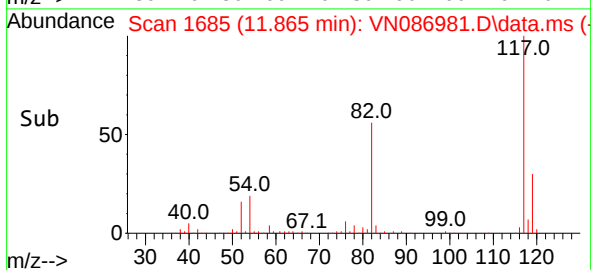
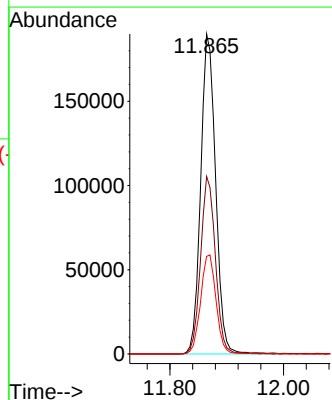
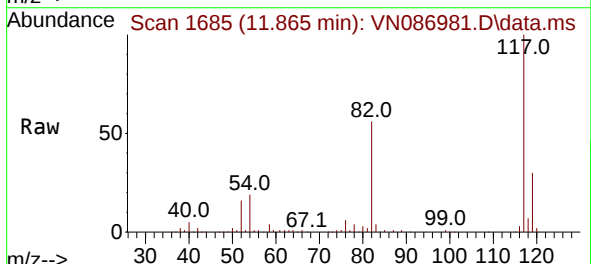
Instrument :
MSVOA_N
ClientSampleId :
IBLK

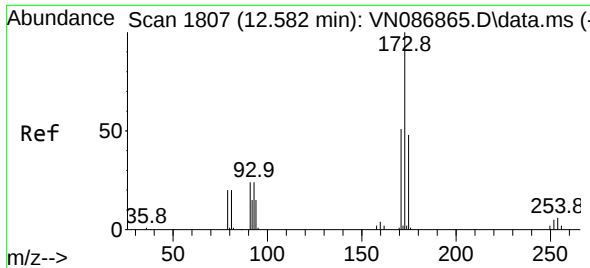
Tgt Ion: 95 Resp: 166555
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 68.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

Tgt Ion: 117 Resp: 346249
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 30.5 25.5 38.3

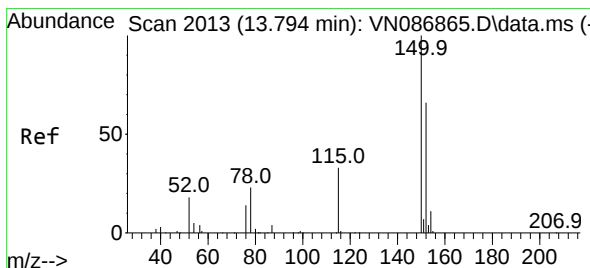
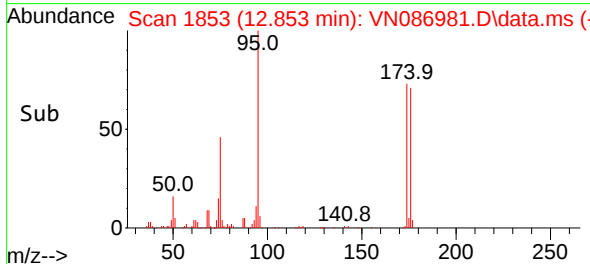
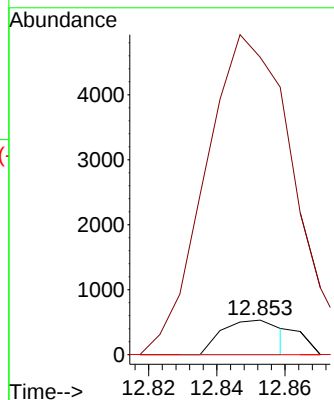
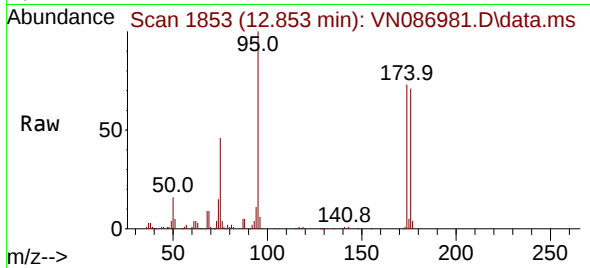




#71
Bromoform
Concen: 0.351 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.270 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

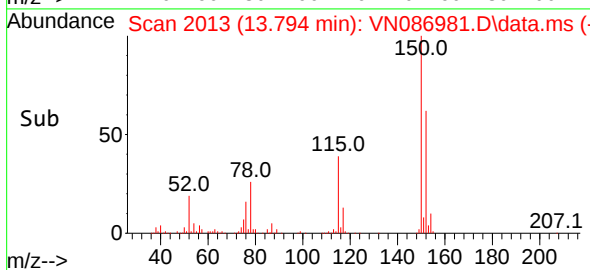
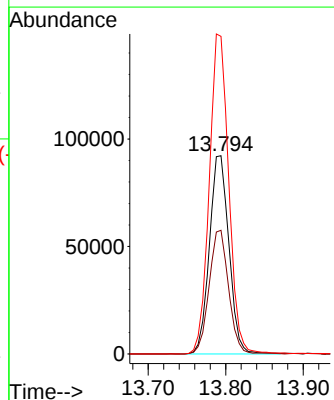
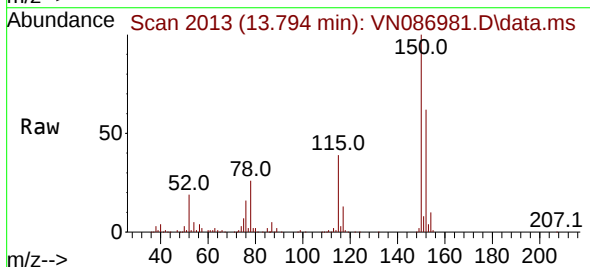
Instrument :
MSVOA_N
ClientSampleId :
IBLK

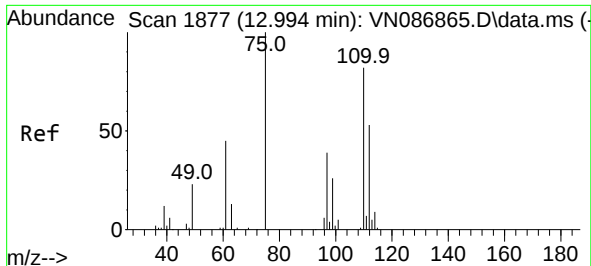
Tgt Ion:173 Resp: 638
Ion Ratio Lower Upper
173 100
175 1175.4 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

Tgt Ion:152 Resp: 161624
Ion Ratio Lower Upper
152 100
115 62.3 30.1 90.5
150 160.5 0.0 345.0

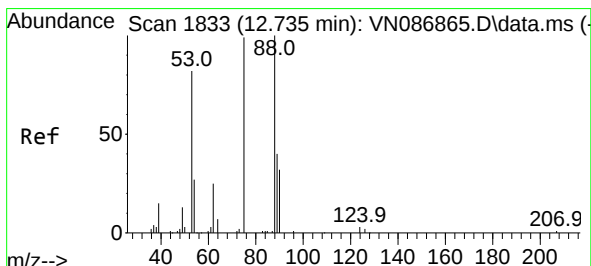
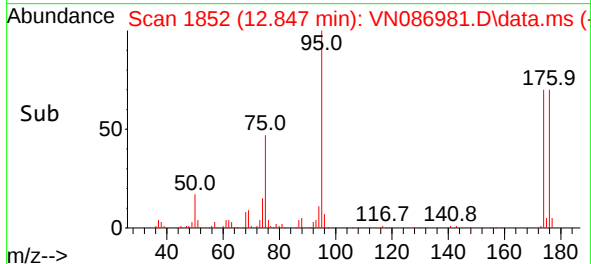
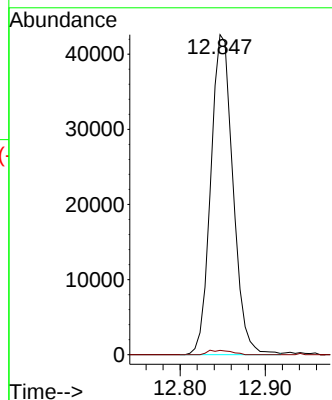
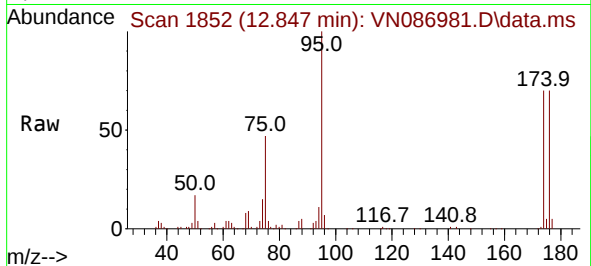




#76
1,2,3-Trichloropropane
Concen: 20.112 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

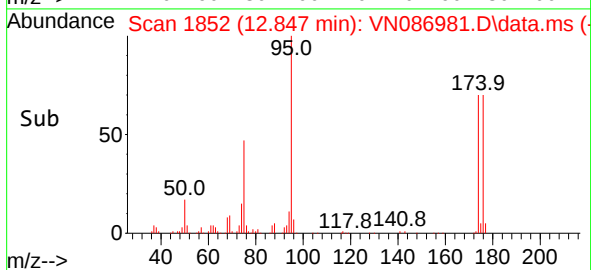
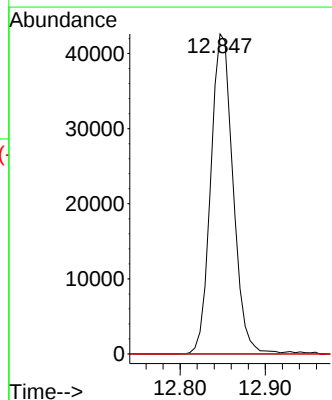
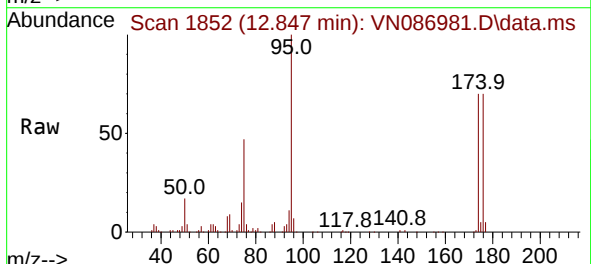
Instrument :
MSVOA_N
ClientSampleId :
IBLK

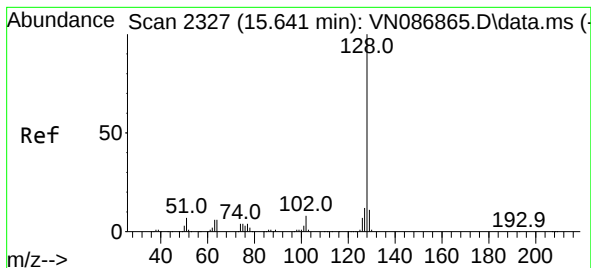
Tgt Ion: 75 Resp: 77268
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.297 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

Tgt Ion: 75 Resp: 77268
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 0.324 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086981.D

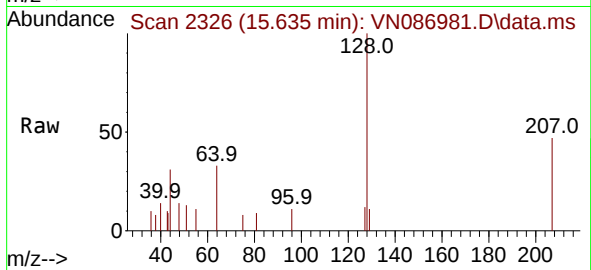
Acq: 12 Jun 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:128 Resp: 3933

Ion Ratio Lower Upper

128 100

127 5.8 10.2 15.2#

129 7.1 8.8 13.2#

