

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087186.D
 Acq On : 26 Jun 2025 12:01
 Operator : JC\MD
 Sample : PB168572TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168572TB

Quant Time: Jun 27 01:22:58 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)

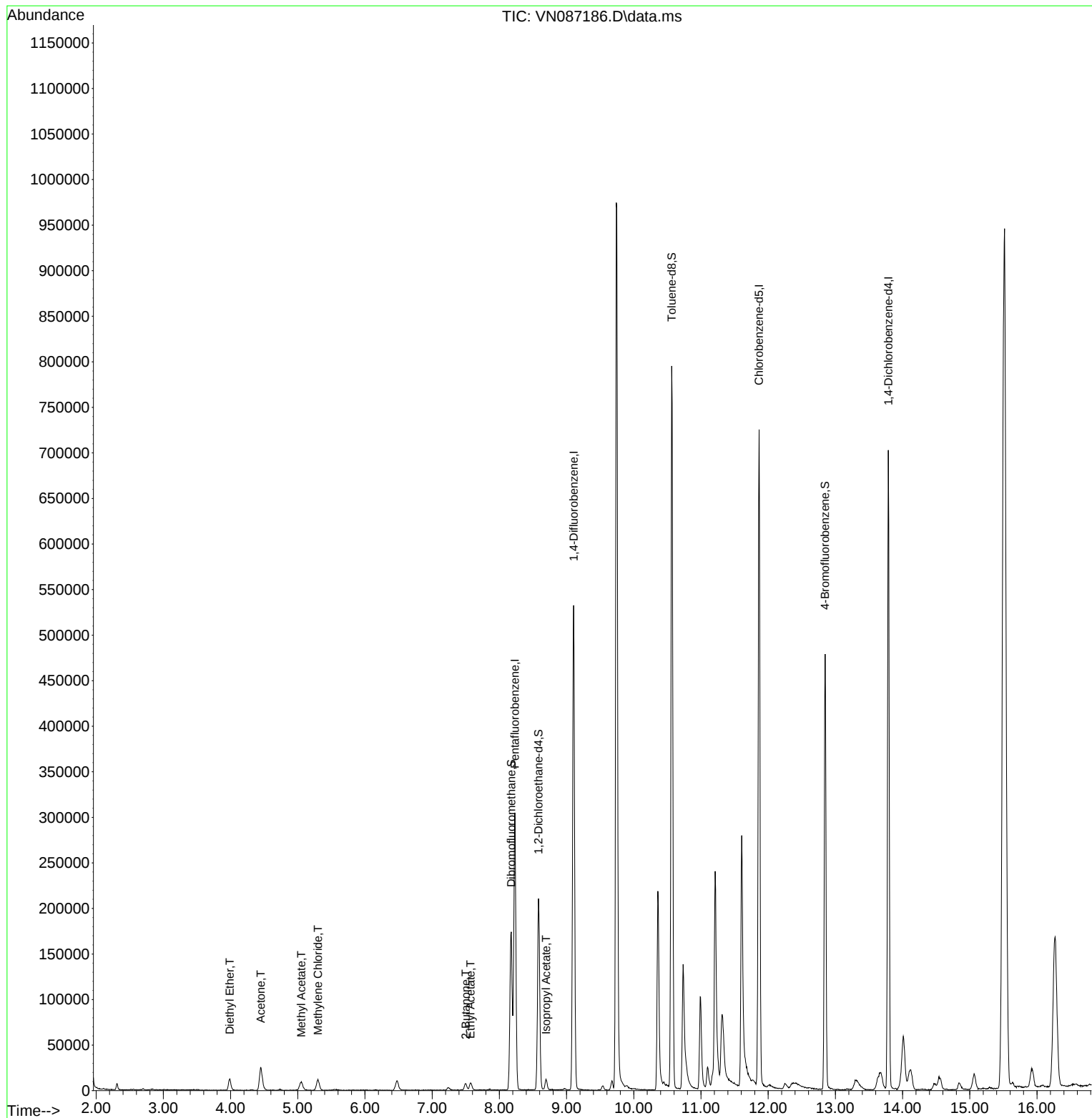
Internal Standards						
1) Pentafluorobenzene	8.229	168	224027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	466421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	427777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	191913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	172227	57.419	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 114.840%		
35) Dibromofluoromethane	8.177	113	134379	48.615	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.240%		
50) Toluene-d8	10.565	98	564159	51.557	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.120%		
62) 4-Bromofluorobenzene	12.847	95	187412	46.099	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 92.200%		
Target Compounds						
						Qvalue
8) Diethyl Ether	3.989	74	7475	4.413	ug/l	96
16) Acetone	4.447	43	49825	31.324	ug/l	91
18) Methyl Acetate	5.053	43	21762	4.695	ug/l	94
20) Methylene Chloride	5.300	84	9904	3.326	ug/l	91
25) 2-Butanone	7.500	43	13474	5.211	ug/l	95
37) Ethyl Acetate	7.571	43	13180	2.514	ug/l #	94
43) Isopropyl Acetate	8.694	43	13455	1.599	ug/l	92

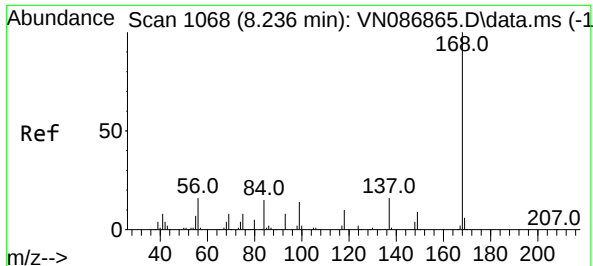
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

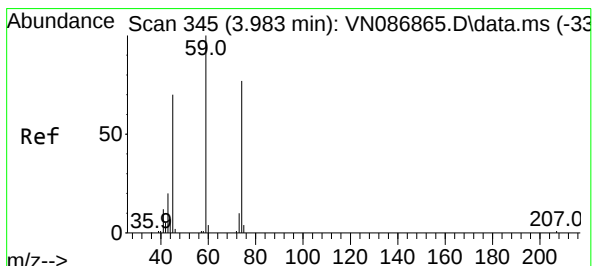
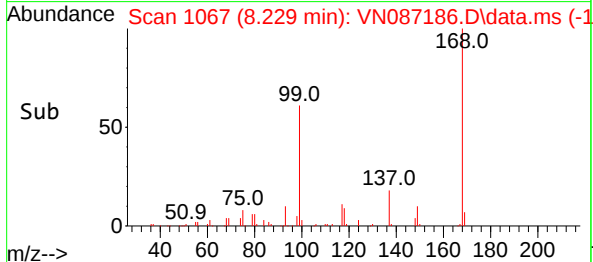
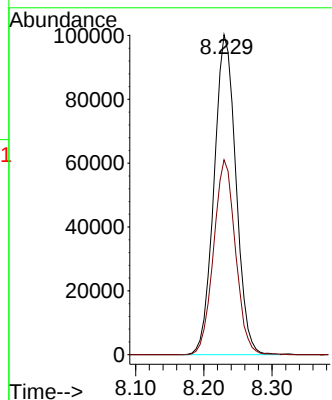
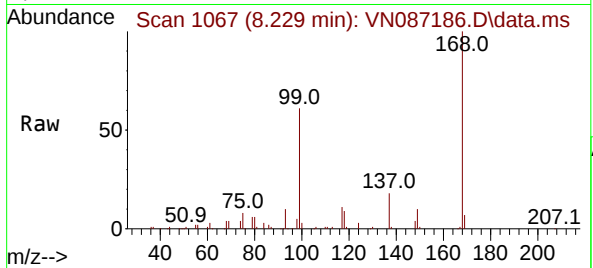




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087186.D
Acq: 26 Jun 2025 12:01

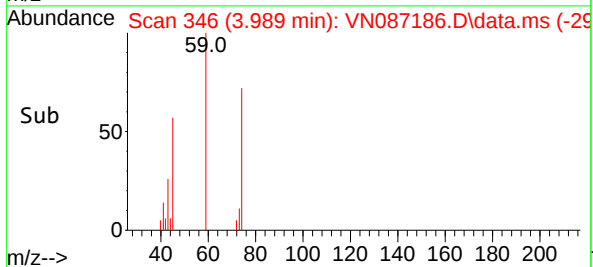
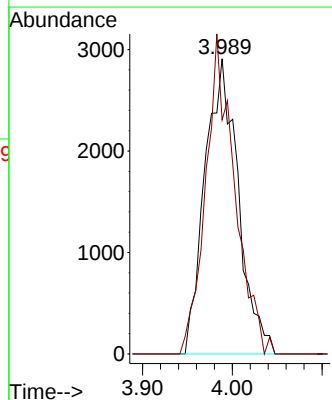
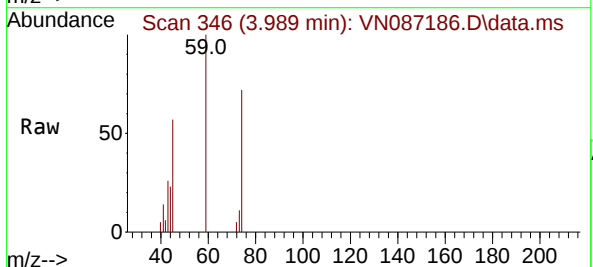
Instrument :
MSVOA_N
ClientSampleId :
PB168572TB

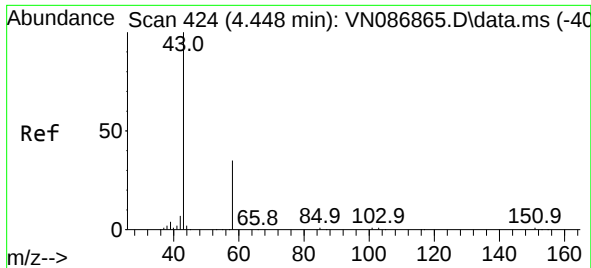
Tgt Ion:168 Resp: 224027
Ion Ratio Lower Upper
168 100
99 60.9 49.1 73.7



#8
Diethyl Ether
Concen: 4.413 ug/l
RT: 3.989 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN087186.D
Acq: 26 Jun 2025 12:01

Tgt Ion: 74 Resp: 7475
Ion Ratio Lower Upper
74 100
45 94.7 45.5 136.5

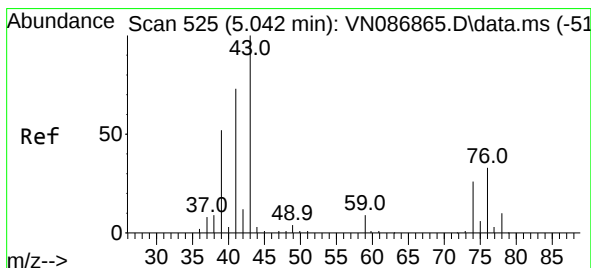
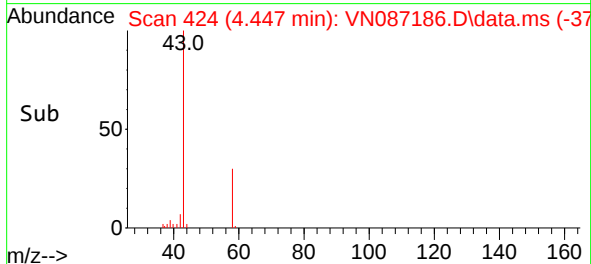
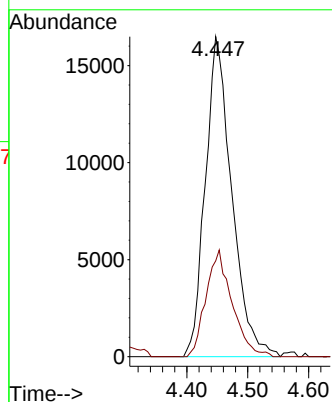
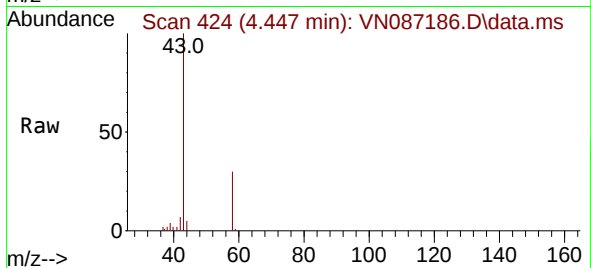




#16
Acetone
Concen: 31.324 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087186.D
Acq: 26 Jun 2025 12:01

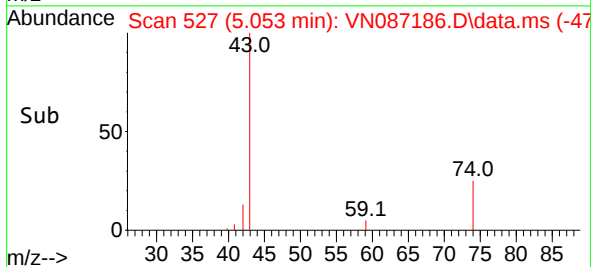
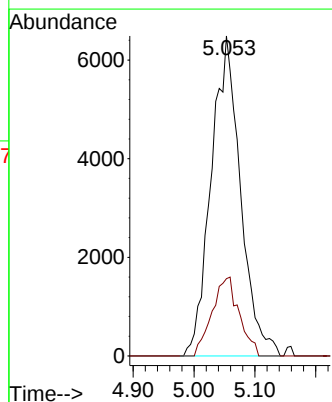
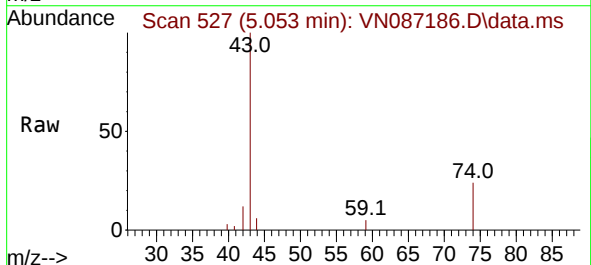
Instrument :
MSVOA_N
ClientSampleId :
PB168572TB

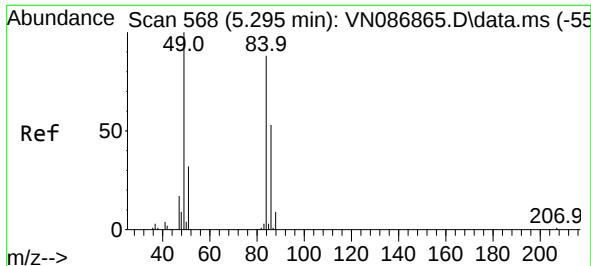
Tgt Ion: 43 Resp: 49825
Ion Ratio Lower Upper
43 100
58 30.0 28.0 42.0



#18
Methyl Acetate
Concen: 4.695 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.012 min
Lab File: VN087186.D
Acq: 26 Jun 2025 12:01

Tgt Ion: 43 Resp: 21762
Ion Ratio Lower Upper
43 100
74 22.7 20.7 31.1

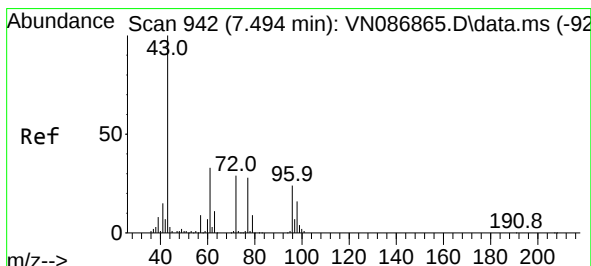
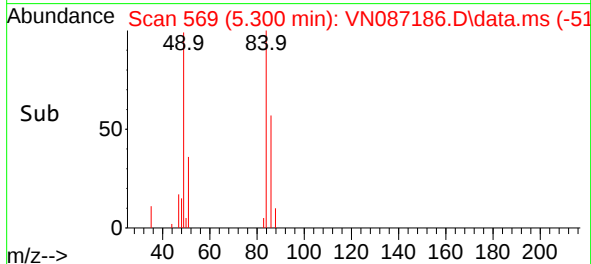
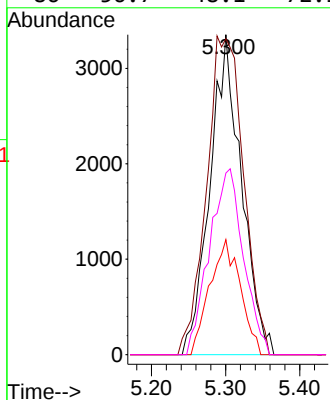
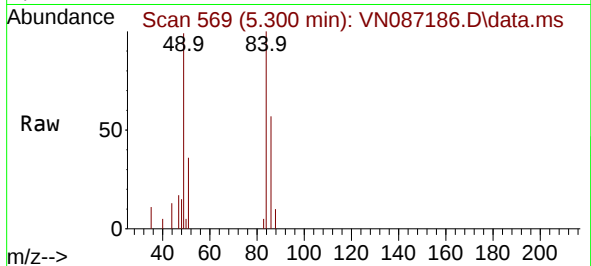




#20
Methylene Chloride
Concen: 3.326 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087186.D
Acq: 26 Jun 2025 12:01

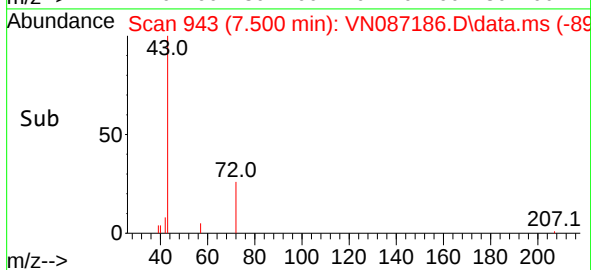
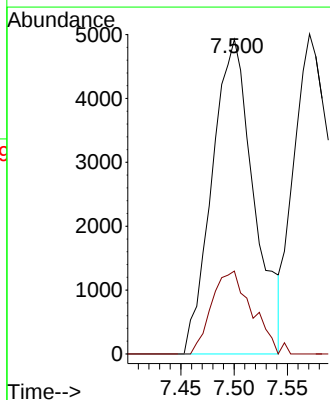
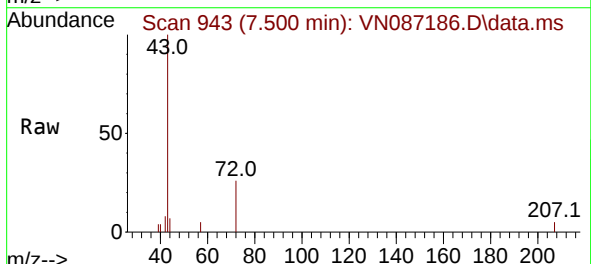
Instrument :
MSVOA_N
ClientSampleId :
PB168572TB

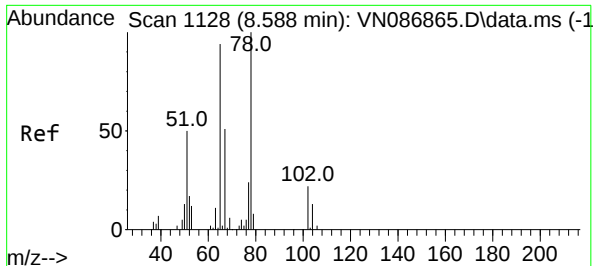
Tgt Ion:	84	Resp:	9904
Ion	Ratio	Lower	Upper
84	100		
49	98.7	90.5	135.7
51	36.0	28.5	42.7
86	56.7	48.1	72.1



#25
2-Butanone
Concen: 5.211 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087186.D
Acq: 26 Jun 2025 12:01

Tgt Ion:	43	Resp:	13474
Ion	Ratio	Lower	Upper
43	100		
72	26.3	23.0	34.6





#33

1,2-Dichloroethane-d4

Concen: 57.419 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087186.D

Acq: 26 Jun 2025 12:01

Instrument :

MSVOA_N

ClientSampleId :

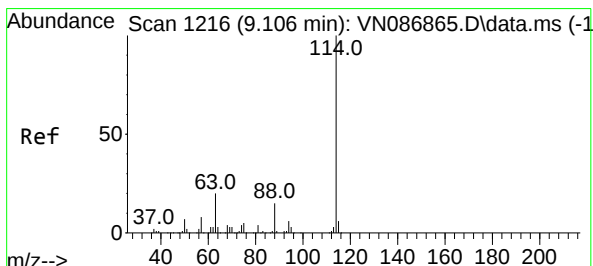
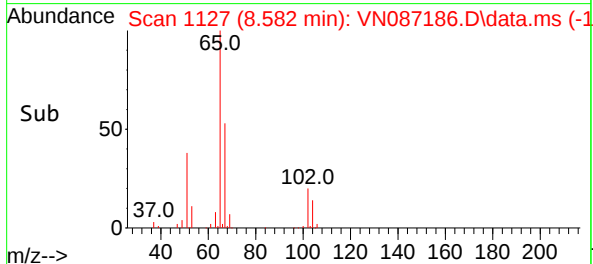
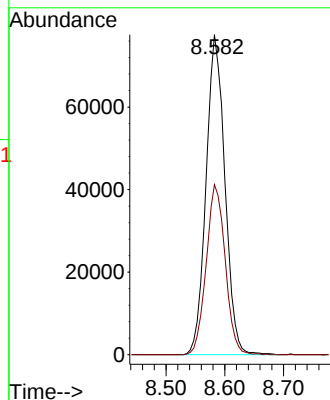
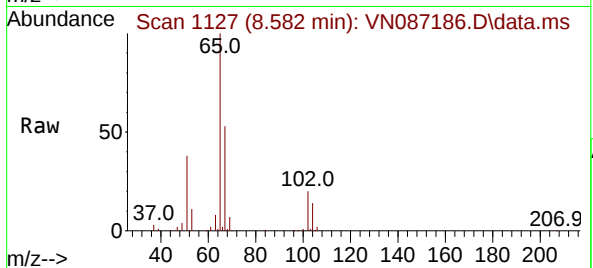
PB168572TB

Tgt Ion: 65 Resp: 172227

Ion Ratio Lower Upper

65 100

67 53.7 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: VN087186.D

Acq: 26 Jun 2025 12:01

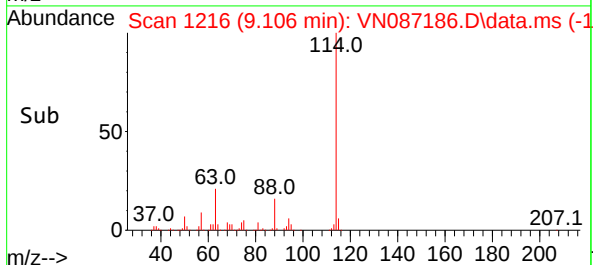
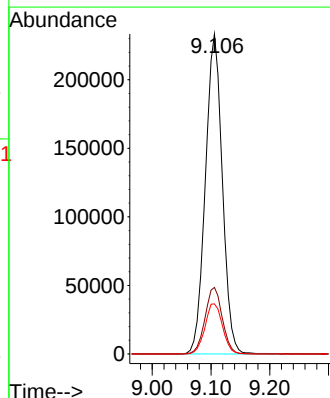
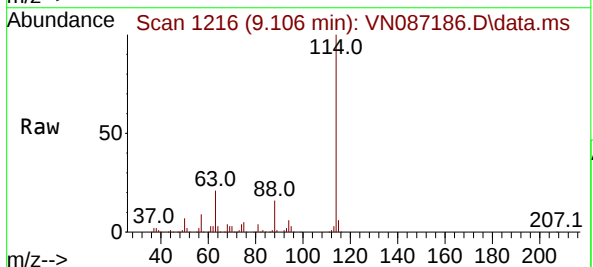
Tgt Ion: 114 Resp: 466421

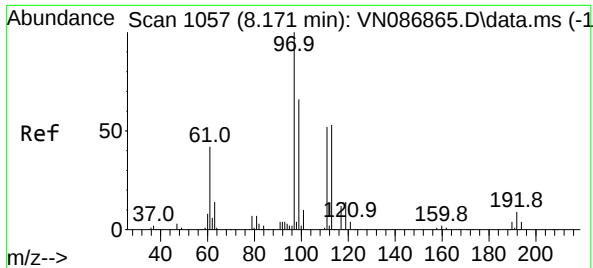
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.615 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087186.D

Acq: 26 Jun 2025 12:01

Instrument :

MSVOA_N

ClientSampleId :

PB168572TB

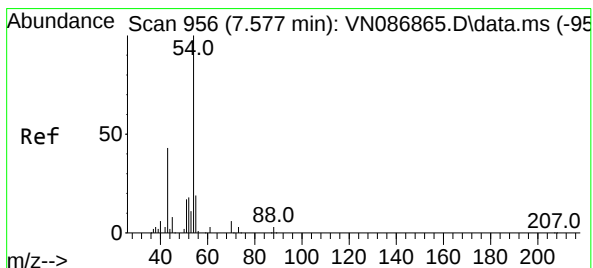
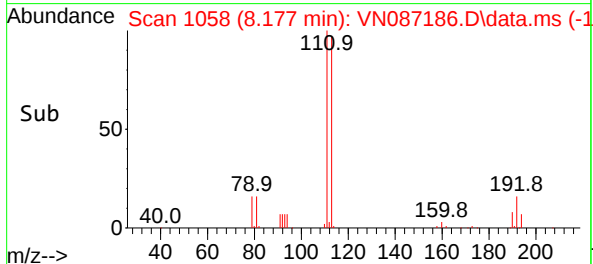
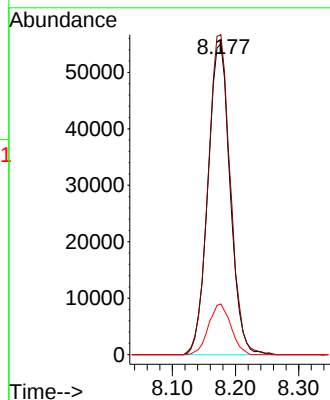
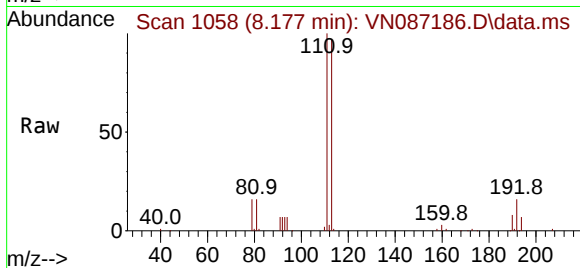
Tgt Ion:113 Resp: 134379

Ion Ratio Lower Upper

113 100

111 103.3 84.2 126.2

192 16.4 14.2 21.4



#37

Ethyl Acetate

Concen: 2.514 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.006 min

Lab File: VN087186.D

Acq: 26 Jun 2025 12:01

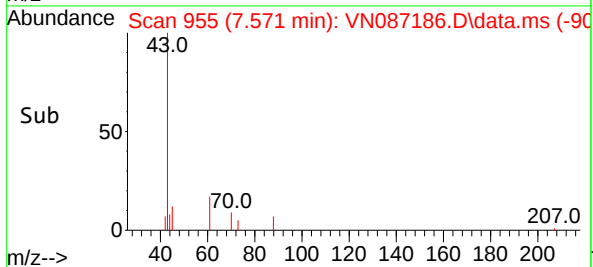
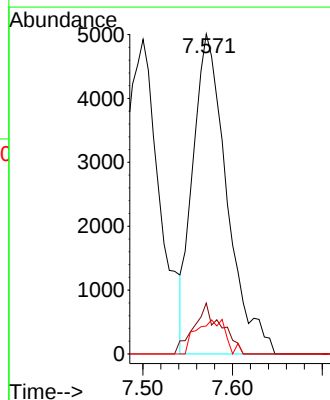
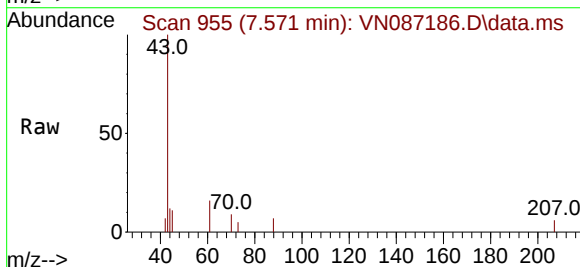
Tgt Ion: 43 Resp: 13180

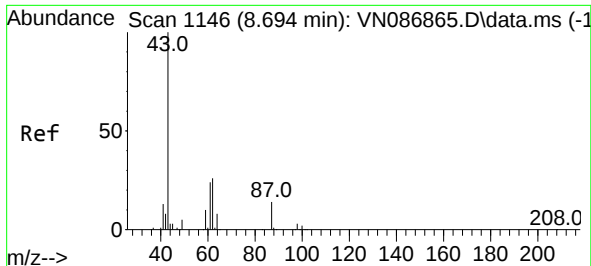
Ion Ratio Lower Upper

43 100

61 12.9 12.1 18.1

70 9.3 9.8 14.6#

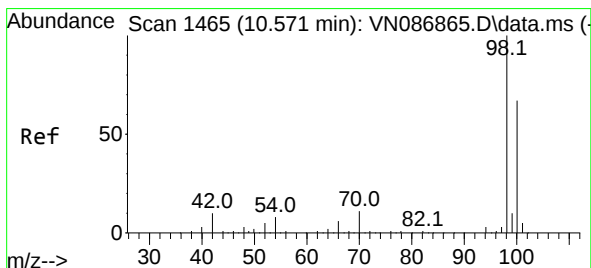
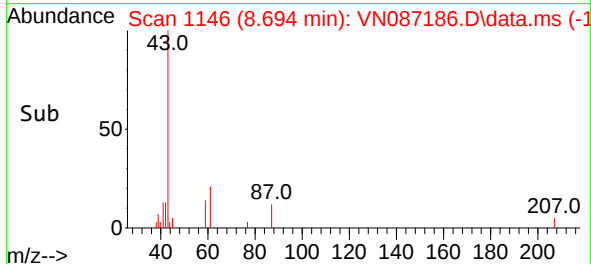
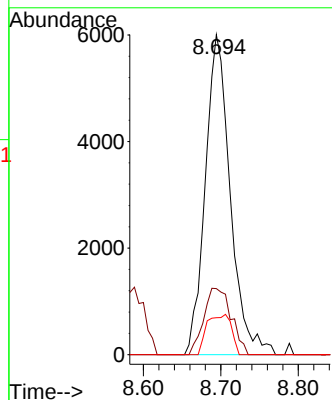
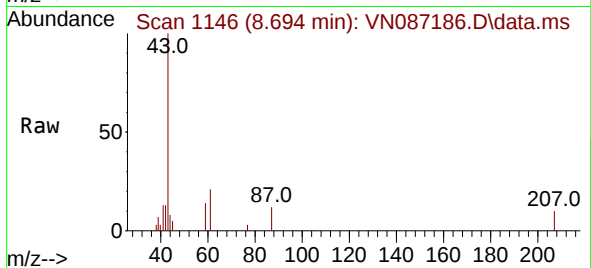




#43
Isopropyl Acetate
Concen: 1.599 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087186.D
Acq: 26 Jun 2025 12:01

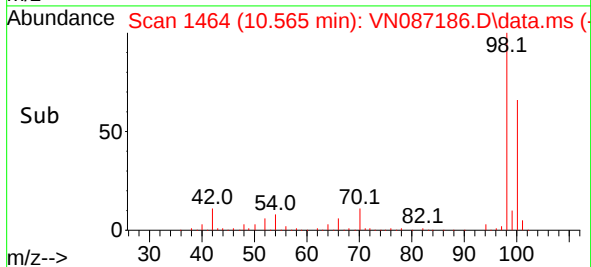
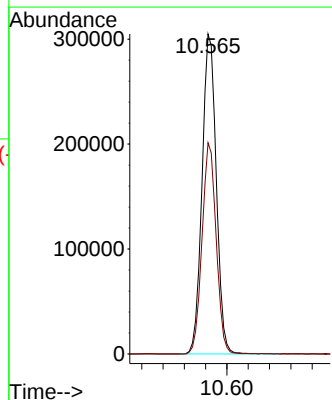
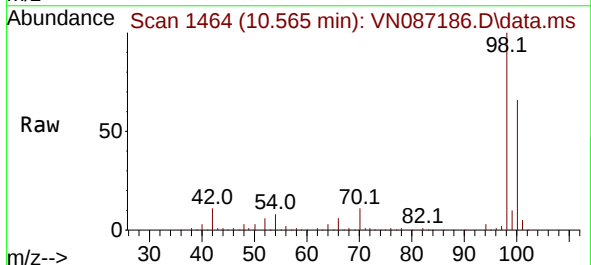
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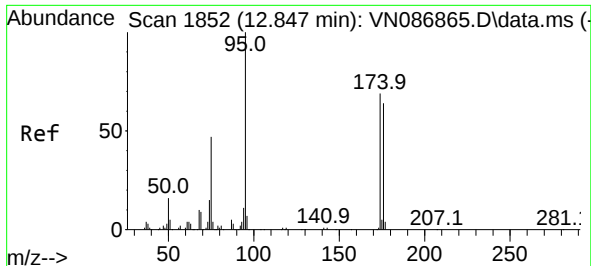
Tgt Ion: 43 Resp: 13455
Ion Ratio Lower Upper
43 100
61 22.8 22.1 33.1
87 12.3 11.8 17.6



#50
Toluene-d8
Concen: 51.557 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087186.D
Acq: 26 Jun 2025 12:01

Tgt Ion: 98 Resp: 564159
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.0

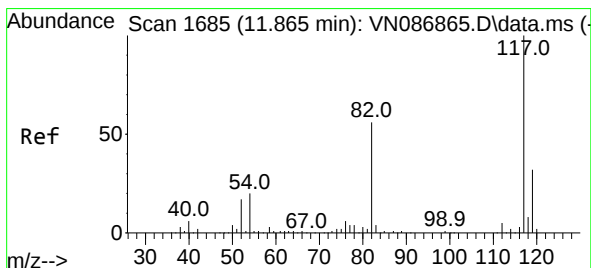
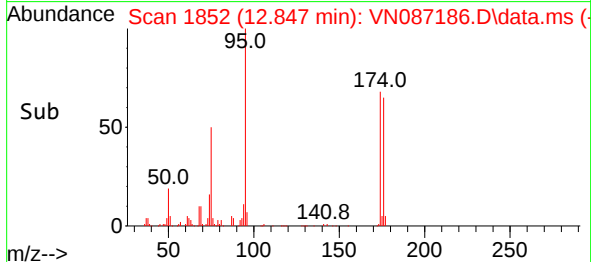
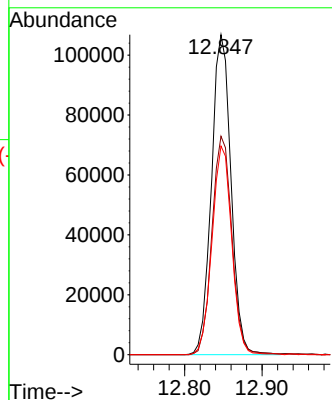
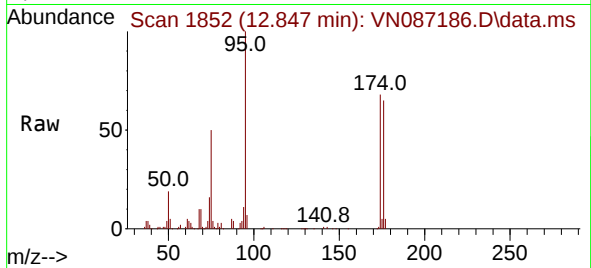




#62
4-Bromofluorobenzene
Concen: 46.099 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087186.D
Acq: 26 Jun 2025 12:01

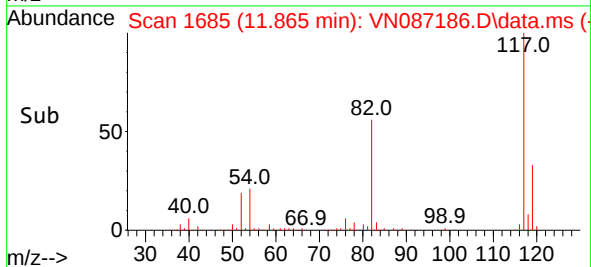
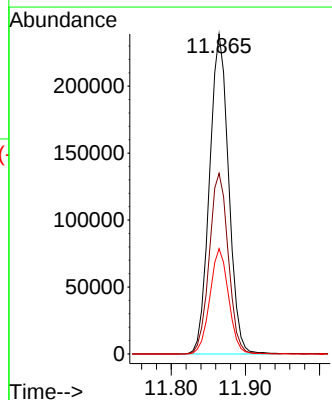
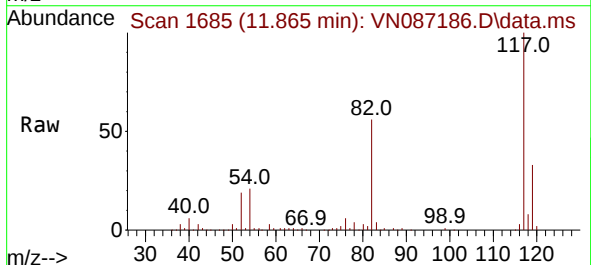
Instrument :
MSVOA_N
ClientSampleId :
PB168572TB

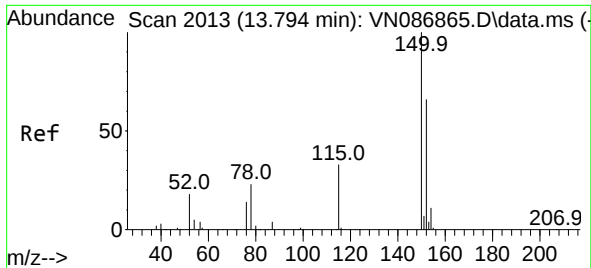
Tgt Ion: 95 Resp: 187412
Ion Ratio Lower Upper
95 100
174 69.7 0.0 141.8
176 65.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087186.D
Acq: 26 Jun 2025 12:01

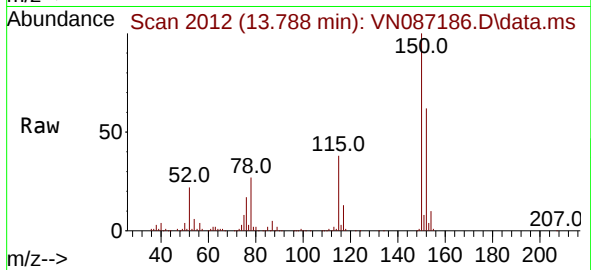
Tgt Ion: 117 Resp: 427777
Ion Ratio Lower Upper
117 100
82 56.4 44.6 67.0
119 32.9 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087186.D
 Acq: 26 Jun 2025 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168572TB



Tgt Ion:152 Resp: 191913
 Ion Ratio Lower Upper
 152 100
 115 61.5 30.1 90.5
 150 159.9 0.0 345.0

