

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087128.D
 Acq On : 20 Jun 2025 11:21
 Operator : JC\MD
 Sample : PB168545TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168545TB

Quant Time: Jun 20 23:02:25 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)

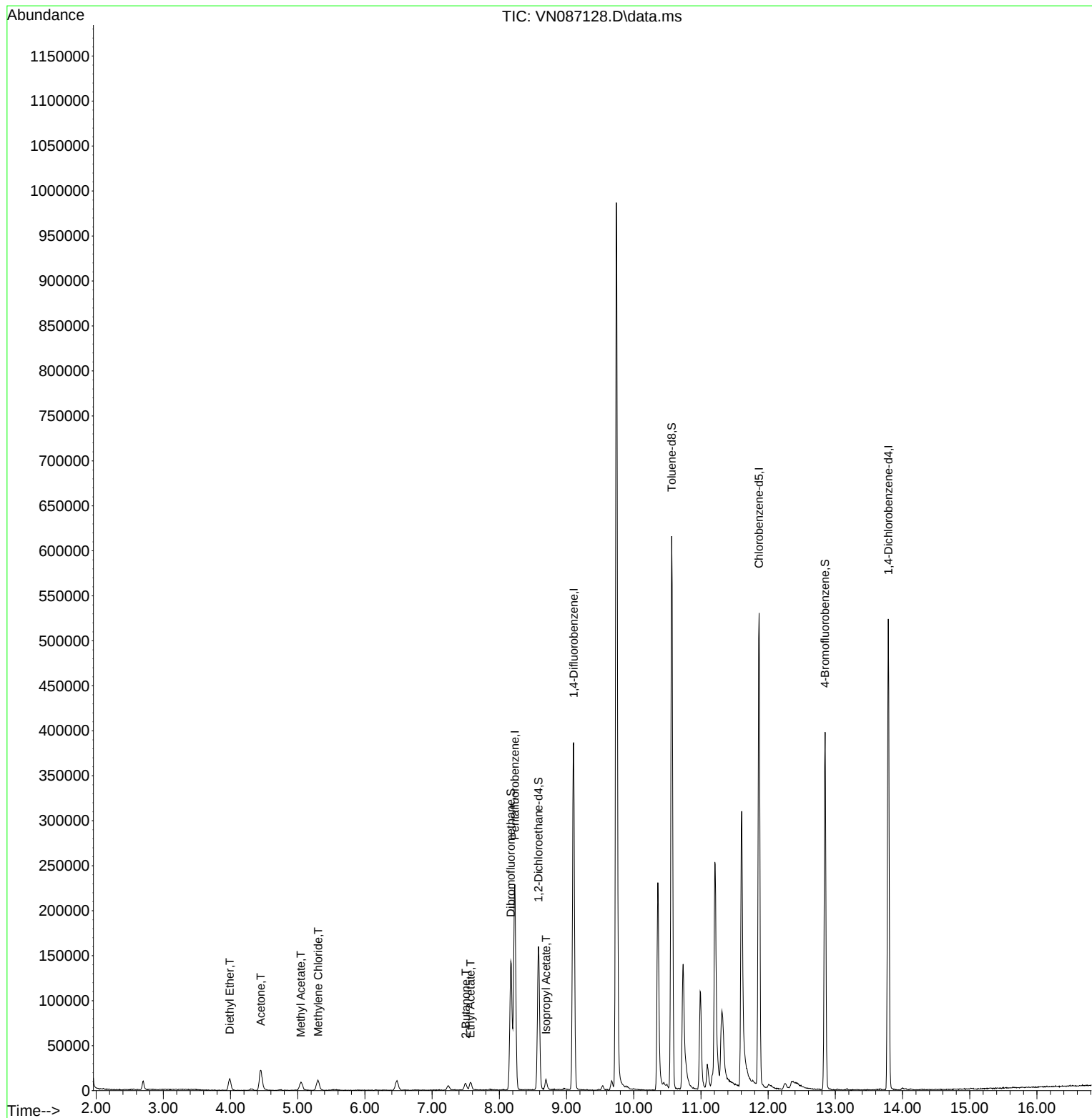
Internal Standards						
1) Pentafluorobenzene	8.230	168	178327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	360994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129000	54.029	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.060%		
35) Dibromofluoromethane	8.171	113	112286	52.486	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.980%		
50) Toluene-d8	10.565	98	452951	53.483	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.960%		
62) 4-Bromofluorobenzene	12.847	95	157541	50.069	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.140%		
Target Compounds						
						Qvalue
8) Diethyl Ether	3.989	74	8806	6.531	ug/l	98
16) Acetone	4.448	43	45913	36.262	ug/l	95
18) Methyl Acetate	5.048	43	20294	5.500	ug/l	98
20) Methylene Chloride	5.306	84	9930	4.189	ug/l	95
25) 2-Butanone	7.500	43	13992	6.798	ug/l	95
37) Ethyl Acetate	7.571	43	13716	3.380	ug/l	99
43) Isopropyl Acetate	8.694	43	13362	2.051	ug/l	95

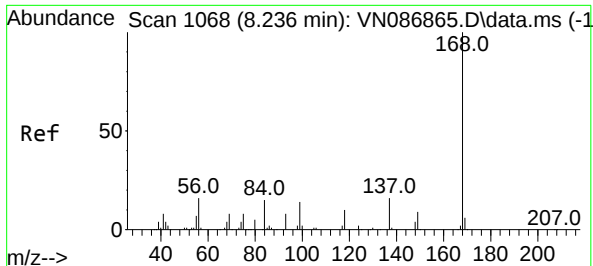
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

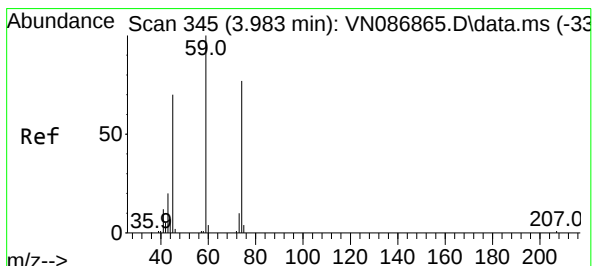
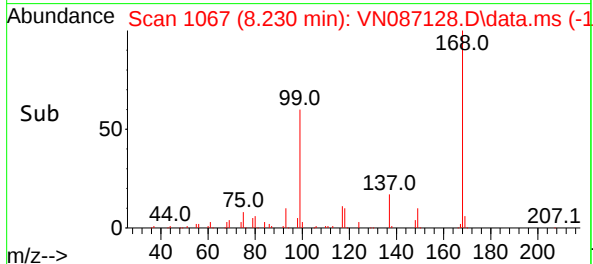
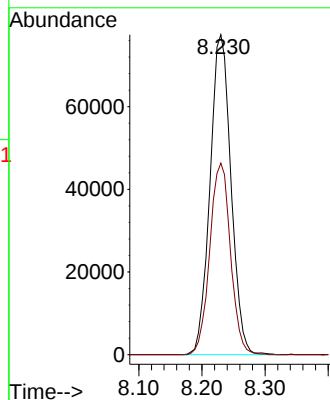
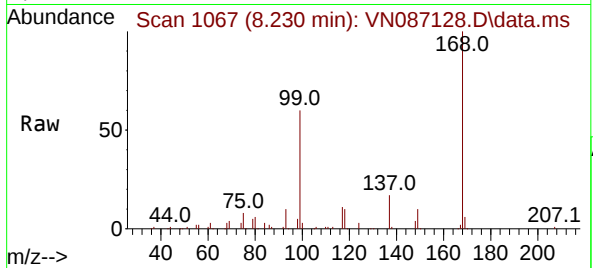




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

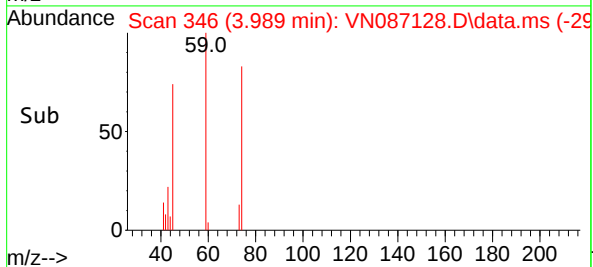
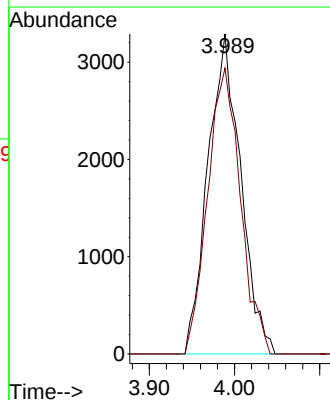
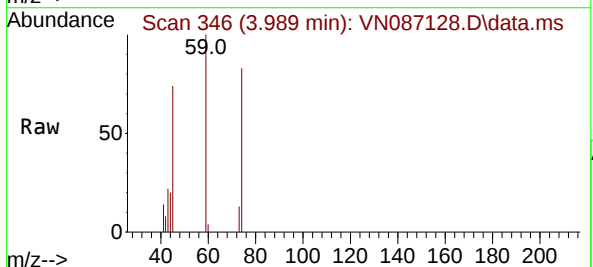
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

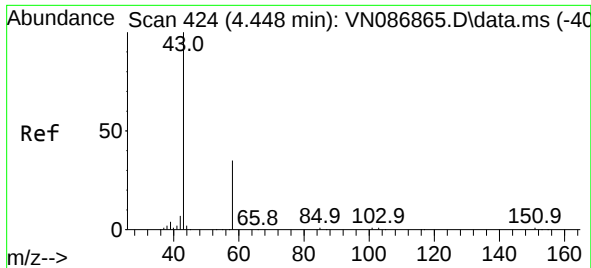
Tgt Ion:168 Resp: 178327
Ion Ratio Lower Upper
168 100
99 59.9 49.1 73.7



#8
Diethyl Ether
Concen: 6.531 ug/l
RT: 3.989 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 74 Resp: 8806
Ion Ratio Lower Upper
74 100
45 89.2 45.5 136.5

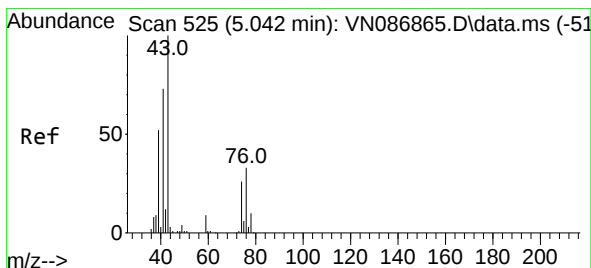
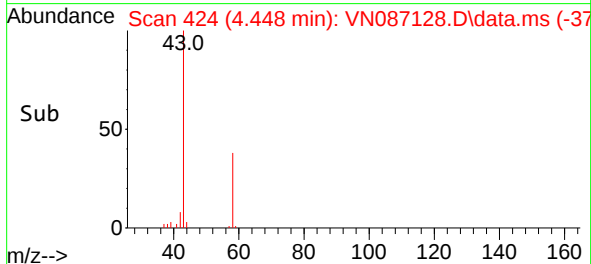
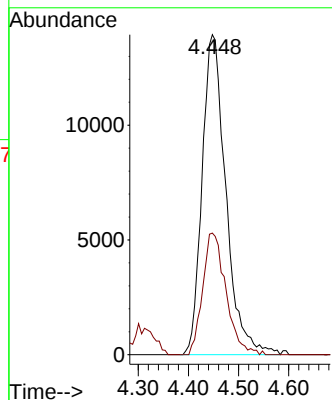
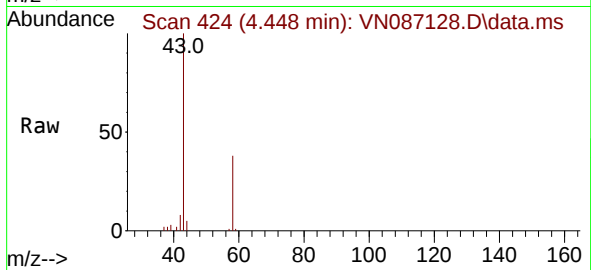




#16
Acetone
Concen: 36.262 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

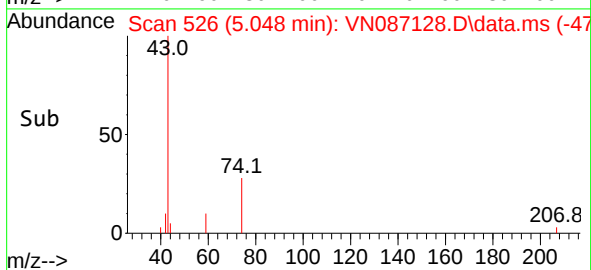
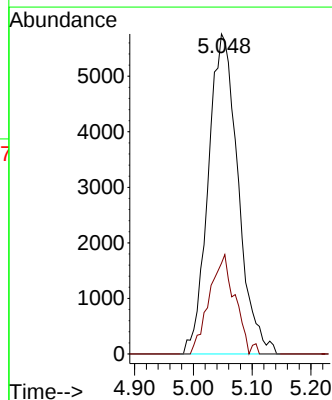
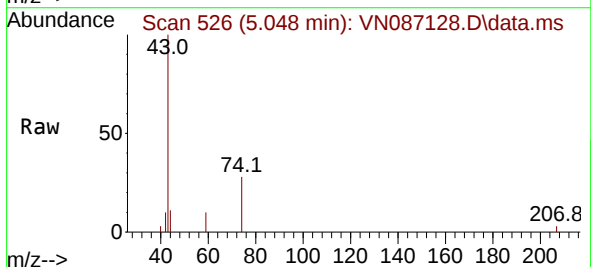
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

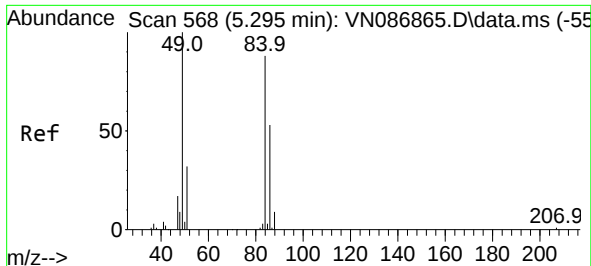
Tgt Ion: 43 Resp: 45913
Ion Ratio Lower Upper
43 100
58 38.0 28.0 42.0



#18
Methyl Acetate
Concen: 5.500 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 43 Resp: 20294
Ion Ratio Lower Upper
43 100
74 26.9 20.7 31.1

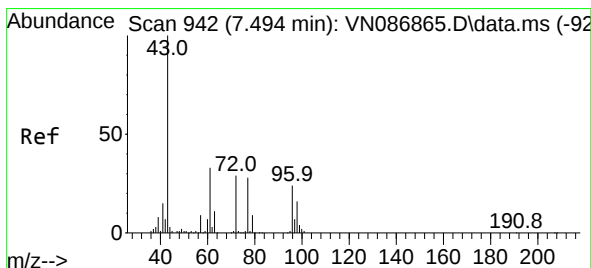
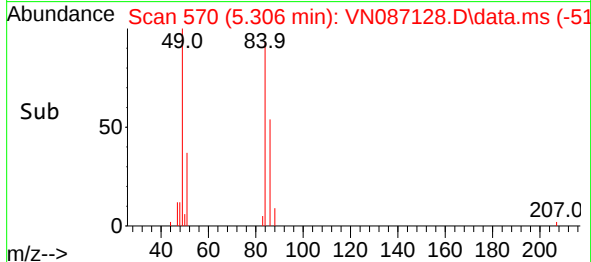
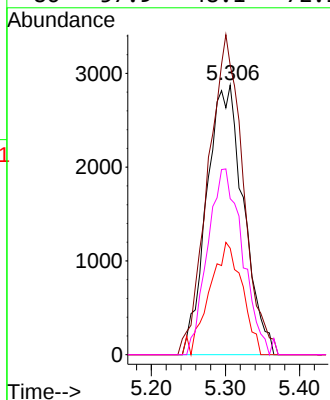
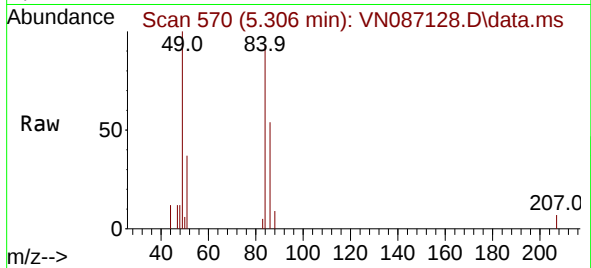




#20
Methylene Chloride
Concen: 4.189 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

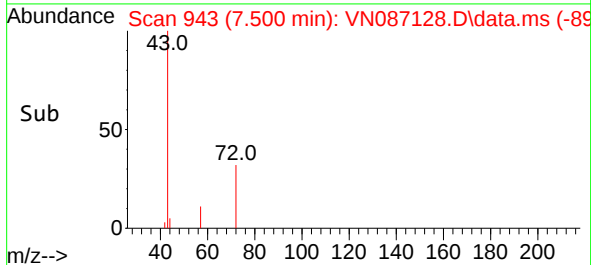
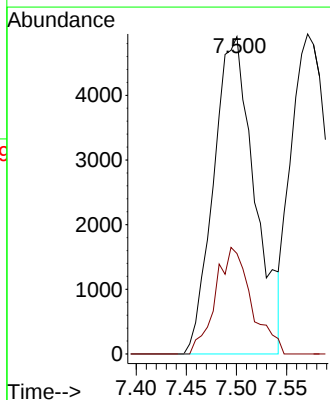
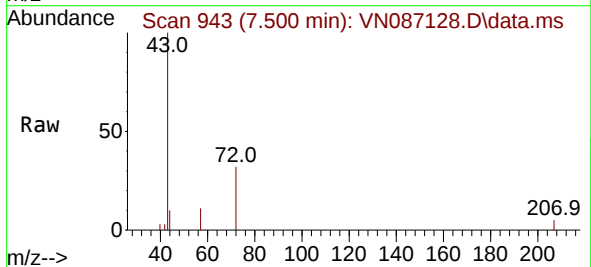
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

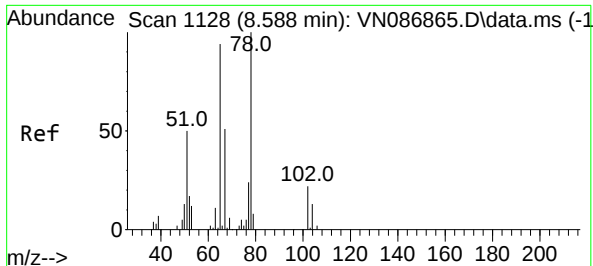
Tgt Ion:	84	Resp:	9930
Ion	Ratio	Lower	Upper
84	100		
49	107.3	90.5	135.7
51	39.5	28.5	42.7
86	57.9	48.1	72.1



#25
2-Butanone
Concen: 6.798 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion:	43	Resp:	13992
Ion	Ratio	Lower	Upper
43	100		
72	31.7	23.0	34.6





#33

1,2-Dichloroethane-d4

Concen: 54.029 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087128.D

Acq: 20 Jun 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

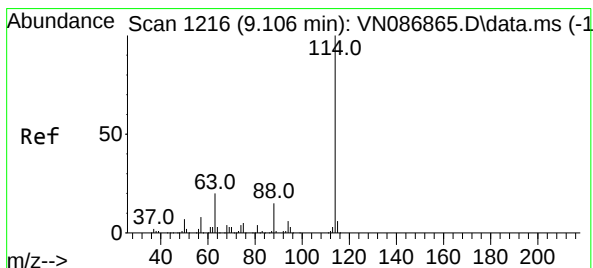
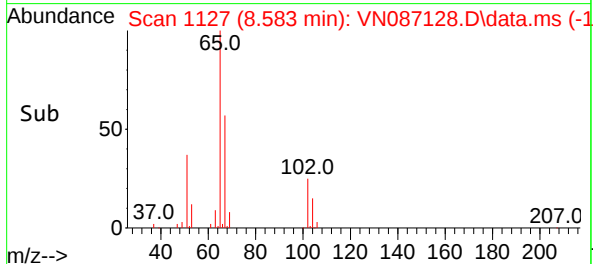
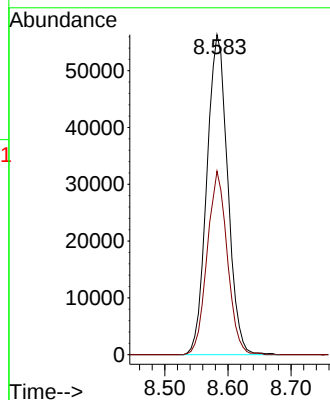
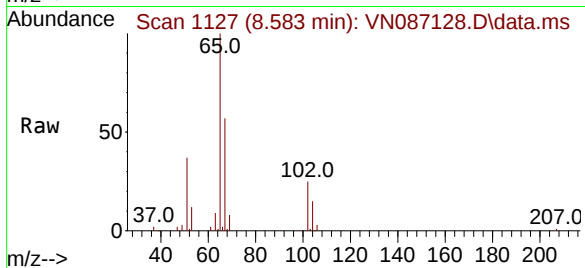
PB168545TB

Tgt Ion: 65 Resp: 129000

Ion Ratio Lower Upper

65 100

67 55.5 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: VN087128.D

Acq: 20 Jun 2025 11:21

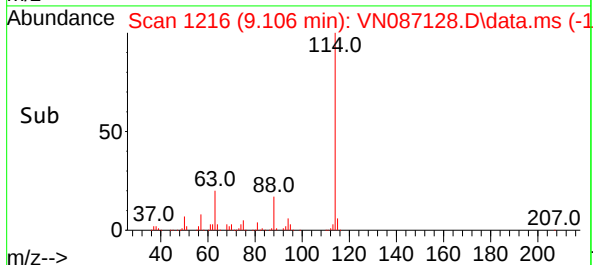
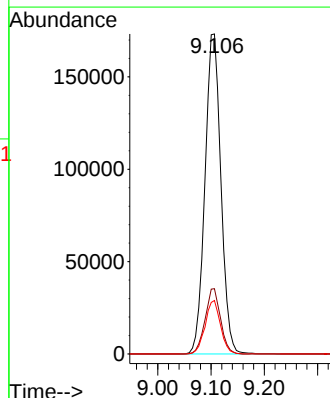
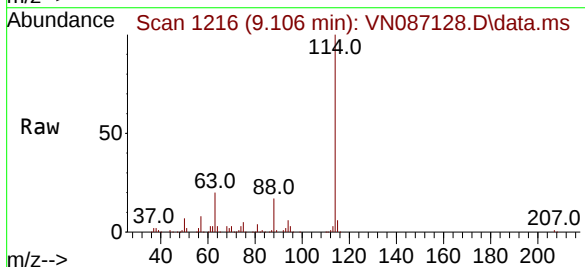
Tgt Ion: 114 Resp: 360994

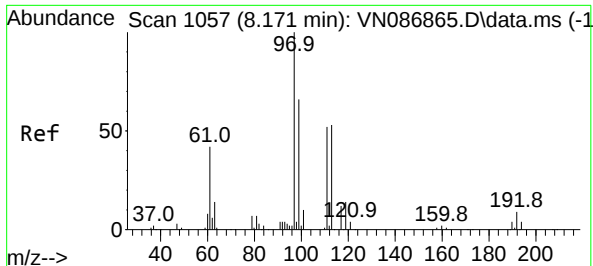
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.486 ug/l

RT: 8.171 min Scan# 112286

Delta R.T. 0.000 min

Lab File: VN087128.D

Acq: 20 Jun 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

PB168545TB

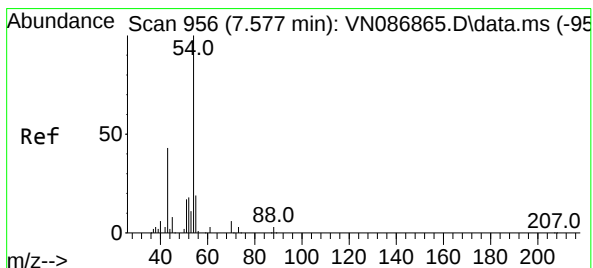
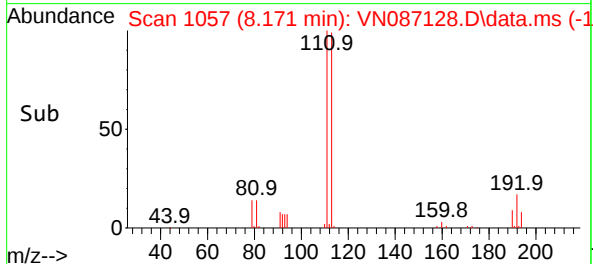
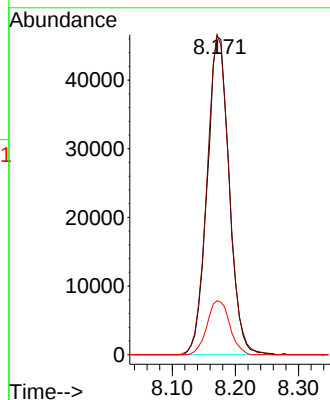
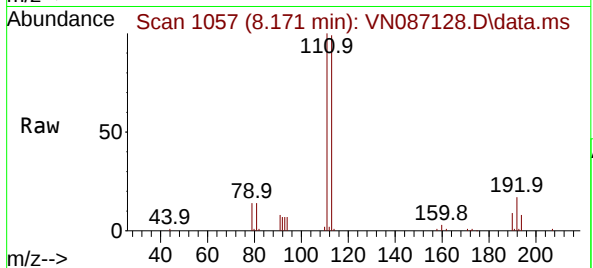
Tgt Ion:113 Resp: 112286

Ion Ratio Lower Upper

113 100

111 101.3 84.2 126.2

192 17.5 14.2 21.4



#37

Ethyl Acetate

Concen: 3.380 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.006 min

Lab File: VN087128.D

Acq: 20 Jun 2025 11:21

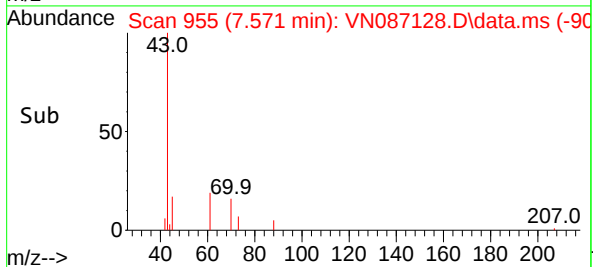
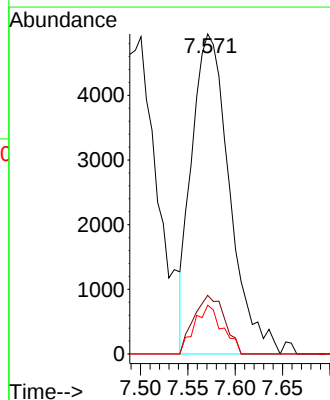
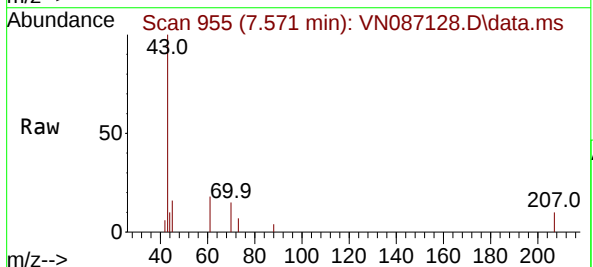
Tgt Ion: 43 Resp: 13716

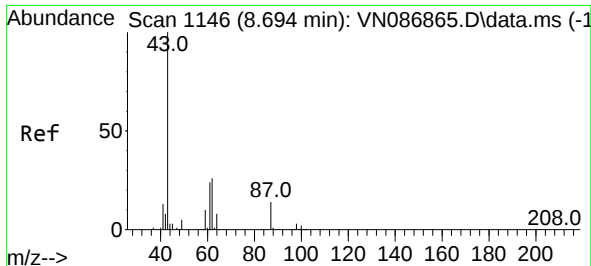
Ion Ratio Lower Upper

43 100

61 15.0 12.1 18.1

70 11.3 9.8 14.6

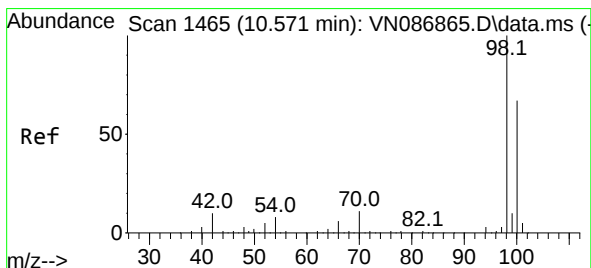
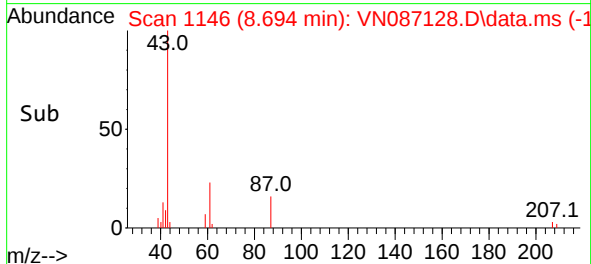
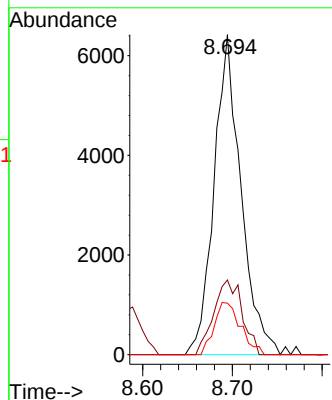
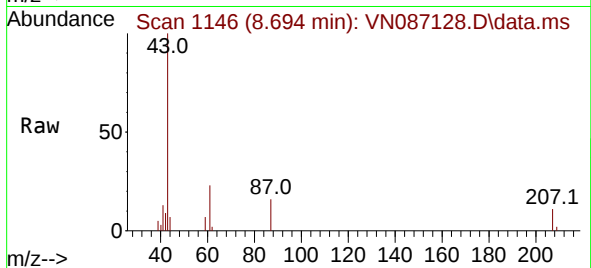




#43
Isopropyl Acetate
Concen: 2.051 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

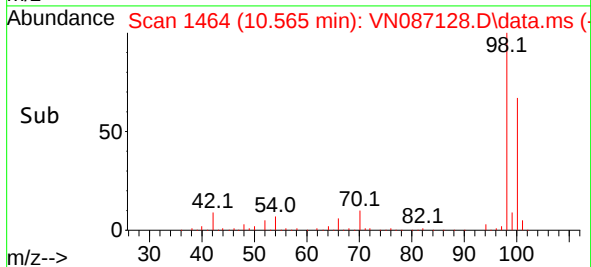
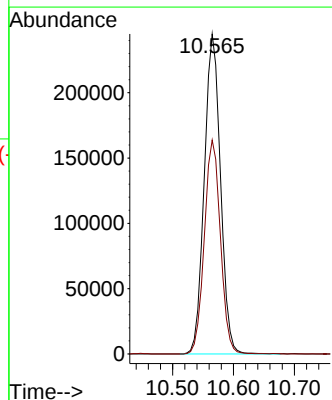
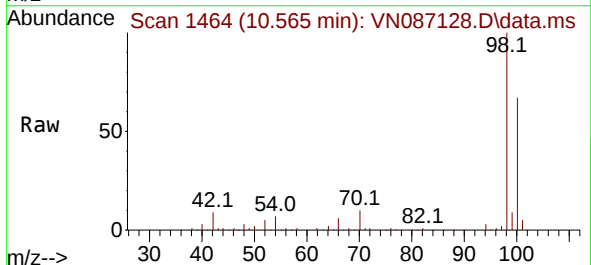
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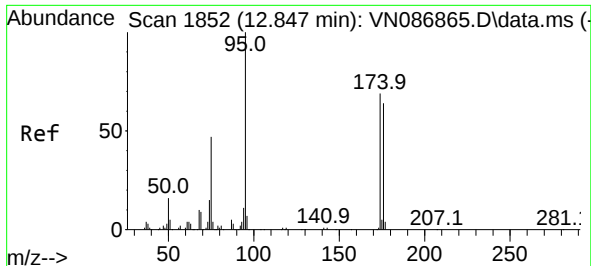
Tgt Ion: 43 Resp: 13362
Ion Ratio Lower Upper
43 100
61 24.7 22.1 33.1
87 16.0 11.8 17.6



#50
Toluene-d8
Concen: 53.483 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 98 Resp: 452951
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0

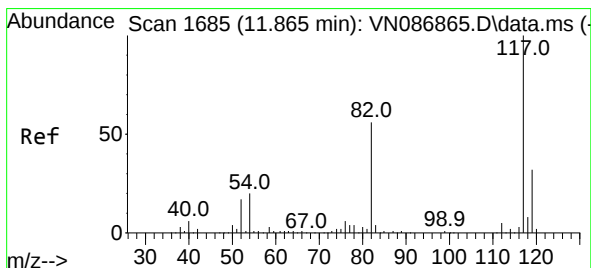
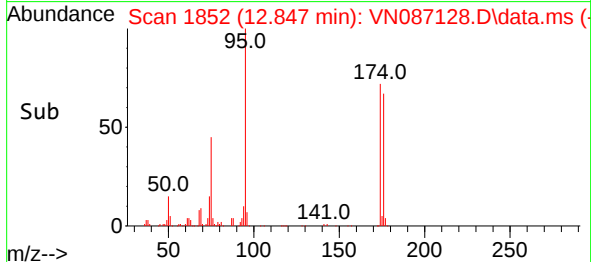
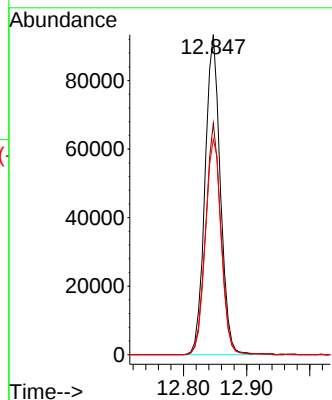
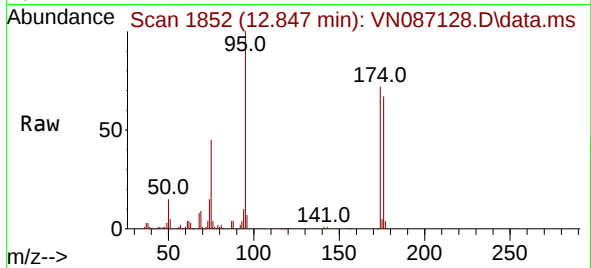




#62
4-Bromofluorobenzene
Concen: 50.069 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

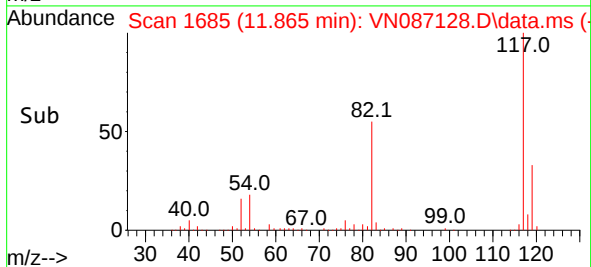
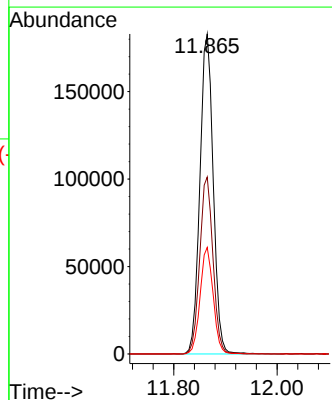
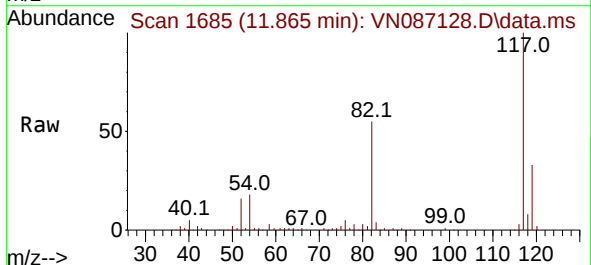
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

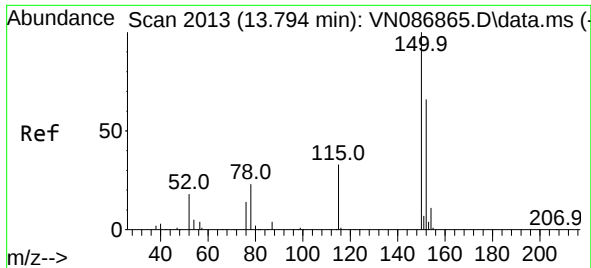
Tgt Ion: 95 Resp: 157541
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.8
176 69.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

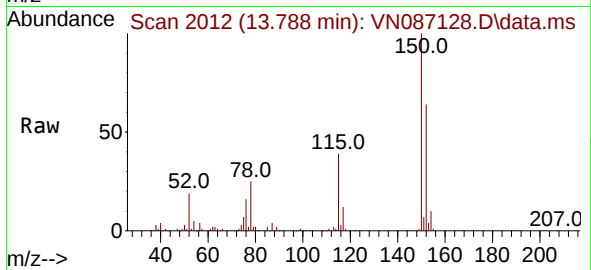
Tgt Ion: 117 Resp: 327064
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 33.3 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087128.D
 Acq: 20 Jun 2025 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168545TB



Tgt Ion:152 Resp: 152440
 Ion Ratio Lower Upper
 152 100
 115 60.0 30.1 90.5
 150 159.1 0.0 345.0

