

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087079.D
 Acq On : 18 Jun 2025 12:51
 Operator : JC\MD
 Sample : PB168515TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168515TB

Quant Time: Jun 19 01:26:44 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)

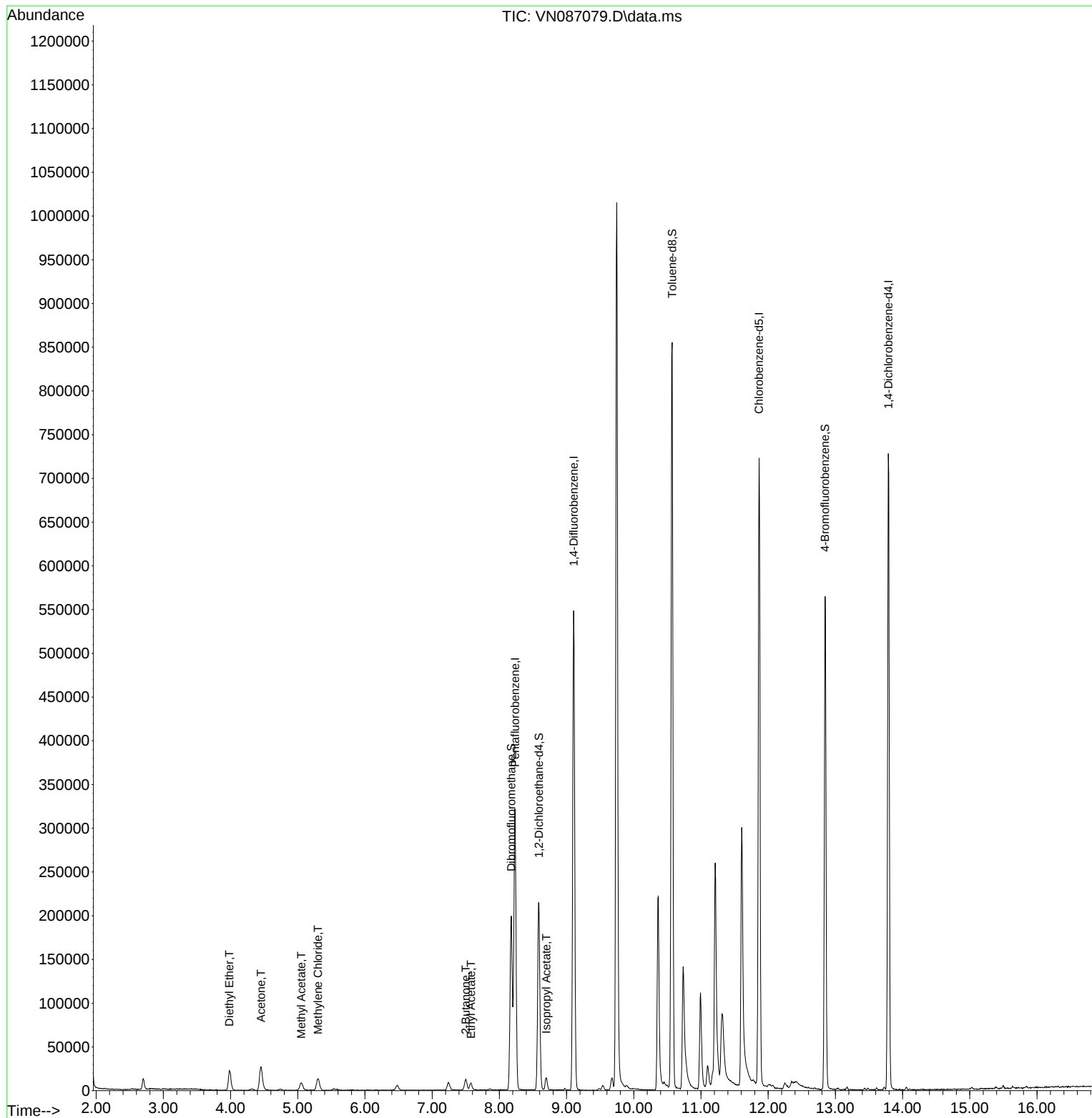
Internal Standards						
1) Pentafluorobenzene	8.235	168	257502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	511649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	457809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	222222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	177076	51.361	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.720%		
35) Dibromofluoromethane	8.177	113	153742	50.704	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.400%		
50) Toluene-d8	10.570	98	628194	52.334	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.660%		
62) 4-Bromofluorobenzene	12.847	95	224931	50.437	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.880%		
Target Compounds						
						Qvalue
8) Diethyl Ether	3.983	74	14983	7.696	ug/l	96
16) Acetone	4.453	43	53823	29.438	ug/l	96
18) Methyl Acetate	5.053	43	19110	3.587	ug/l	98
20) Methylene Chloride	5.300	84	12155	3.551	ug/l	93
25) 2-Butanone	7.500	43	20902	7.033	ug/l	95
37) Ethyl Acetate	7.577	43	13313	2.315	ug/l	97
43) Isopropyl Acetate	8.700	43	16587	1.797	ug/l	94

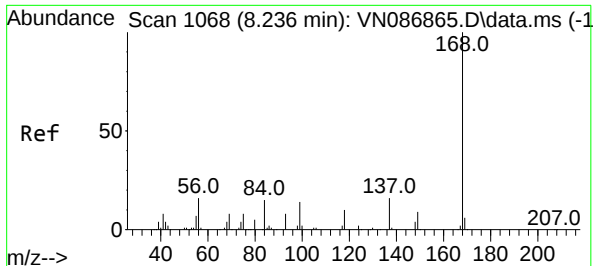
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

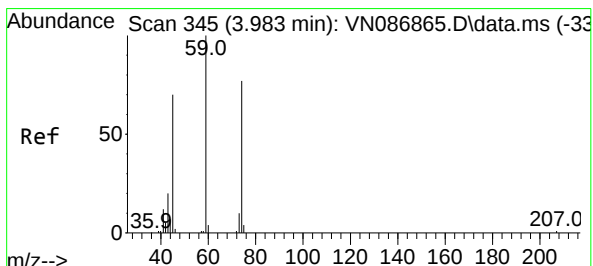
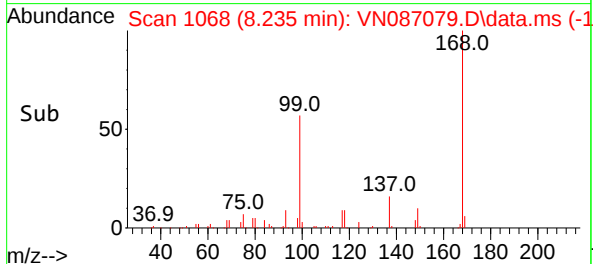
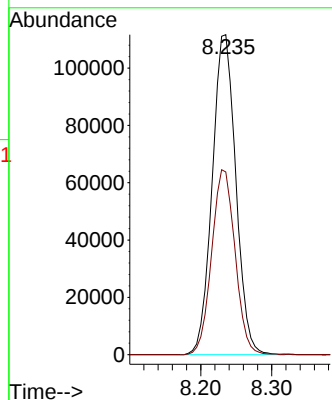
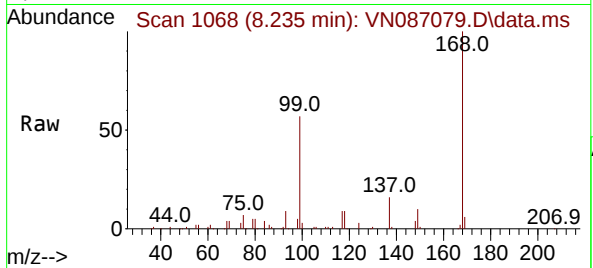




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087079.D
Acq: 18 Jun 2025 12:51

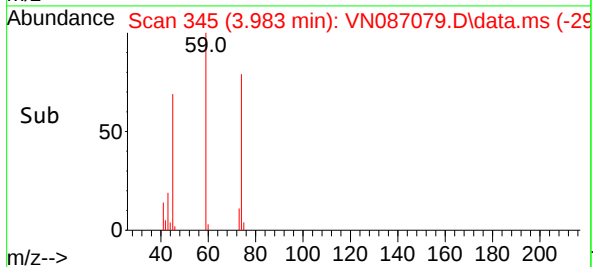
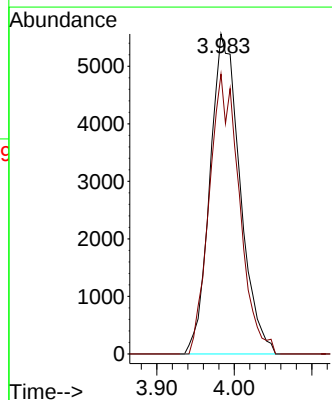
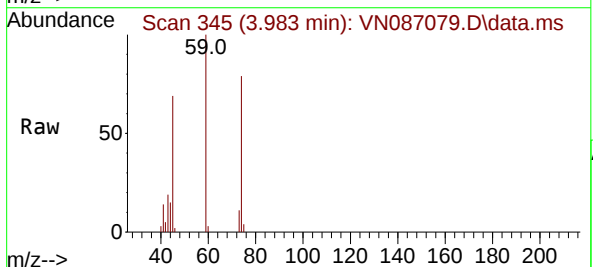
Instrument :
MSVOA_N
ClientSampleId :
PB168515TB

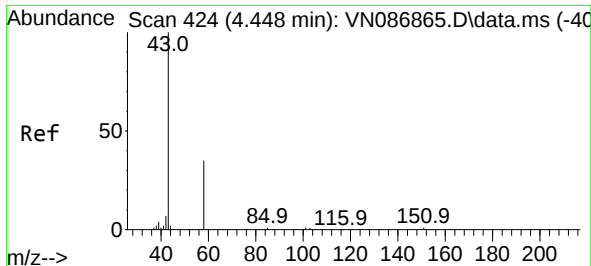
Tgt Ion:168 Resp: 257502
Ion Ratio Lower Upper
168 100
99 57.1 49.1 73.7



#8
Diethyl Ether
Concen: 7.696 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087079.D
Acq: 18 Jun 2025 12:51

Tgt Ion: 74 Resp: 14983
Ion Ratio Lower Upper
74 100
45 87.5 45.5 136.5

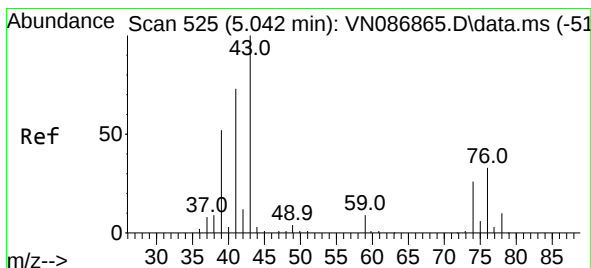
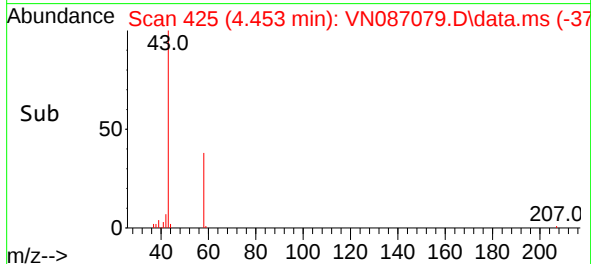
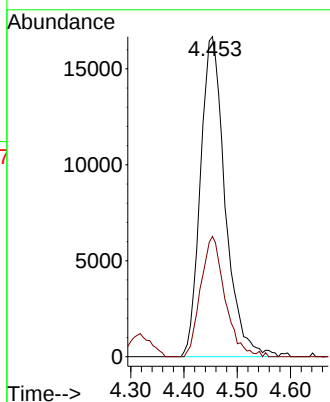
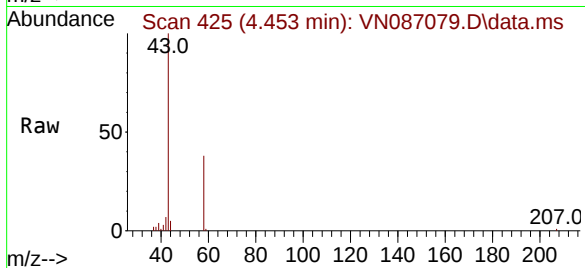




#16
Acetone
Concen: 29.438 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087079.D
Acq: 18 Jun 2025 12:51

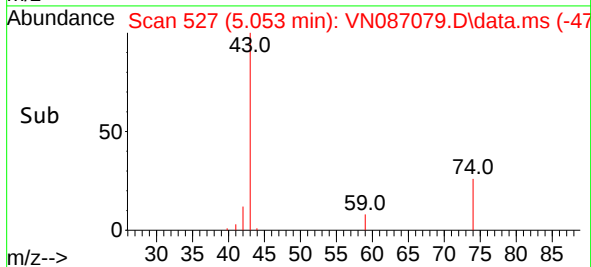
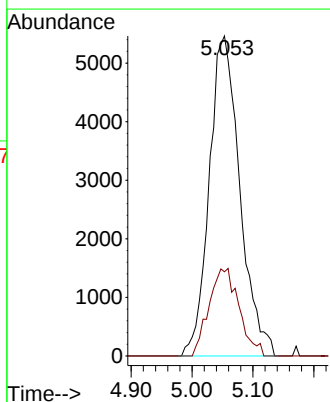
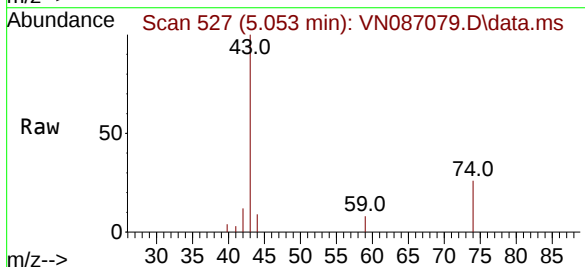
Instrument :
MSVOA_N
ClientSampleId :
PB168515TB

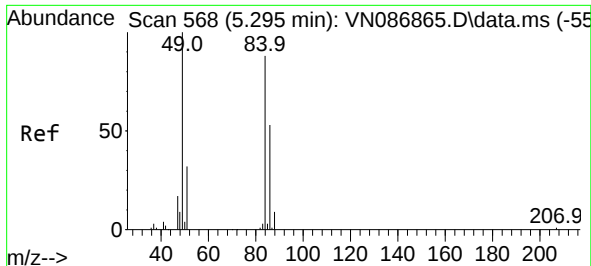
Tgt Ion: 43 Resp: 53823
Ion Ratio Lower Upper
43 100
58 37.6 28.0 42.0



#18
Methyl Acetate
Concen: 3.587 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.012 min
Lab File: VN087079.D
Acq: 18 Jun 2025 12:51

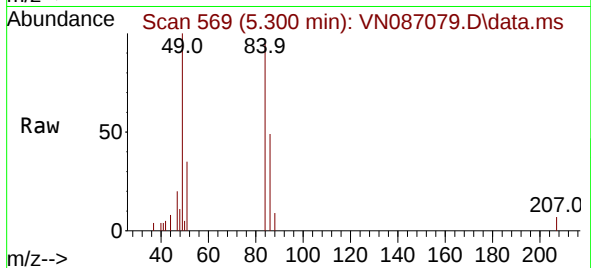
Tgt Ion: 43 Resp: 19110
Ion Ratio Lower Upper
43 100
74 26.9 20.7 31.1



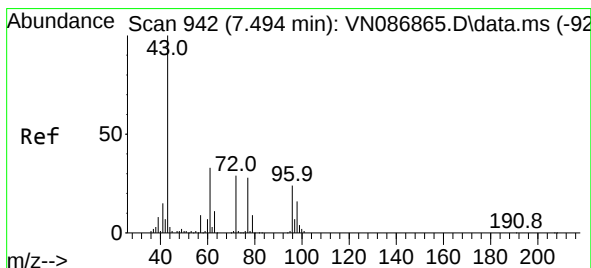
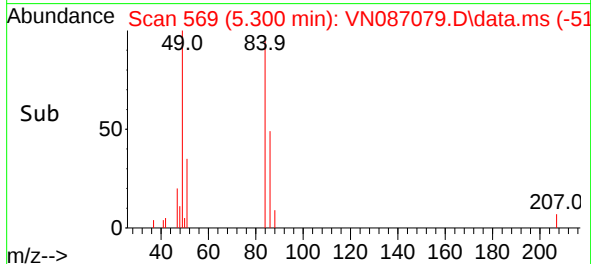
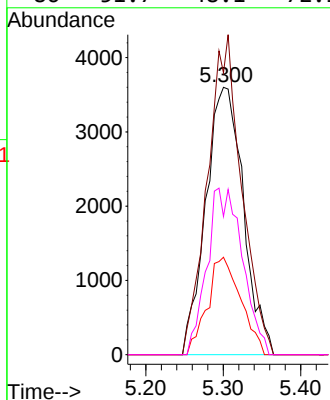


#20
Methylene Chloride
Concen: 3.551 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087079.D
Acq: 18 Jun 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
PB168515TB

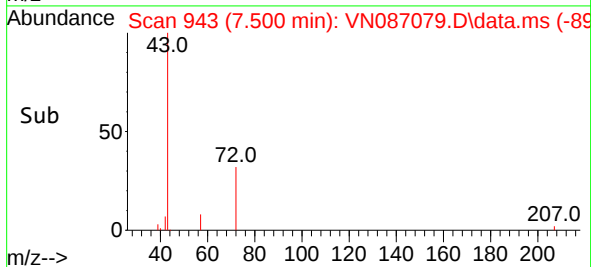
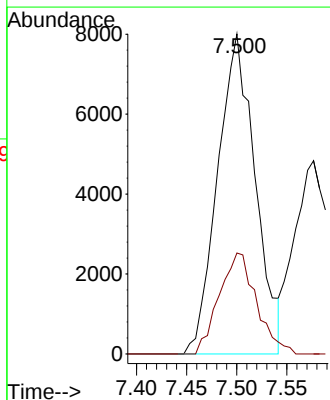
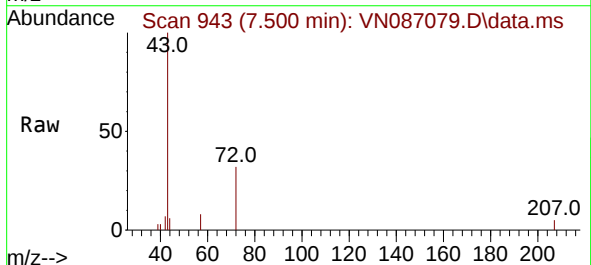


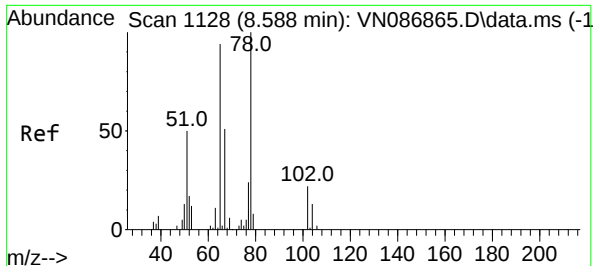
Tgt Ion:	84	Resp:	12155
Ion	Ratio	Lower	Upper
84	100		
49	105.4	90.5	135.7
51	36.4	28.5	42.7
86	51.7	48.1	72.1



#25
2-Butanone
Concen: 7.033 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087079.D
Acq: 18 Jun 2025 12:51

Tgt Ion:	43	Resp:	20902
Ion	Ratio	Lower	Upper
43	100		
72	31.5	23.0	34.6





#33

1,2-Dichloroethane-d4

Concen: 51.361 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087079.D

Acq: 18 Jun 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

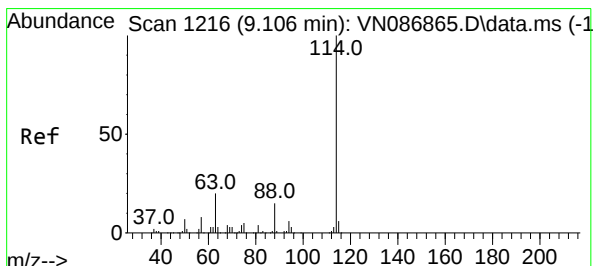
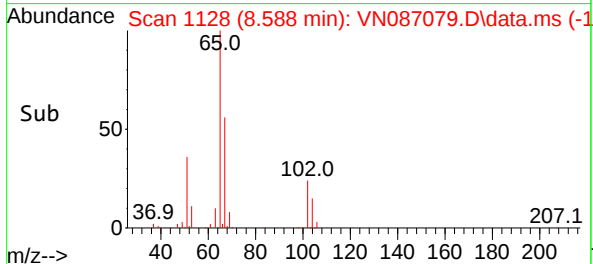
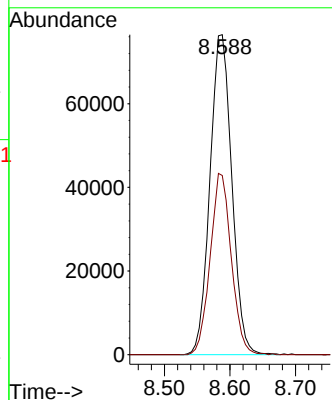
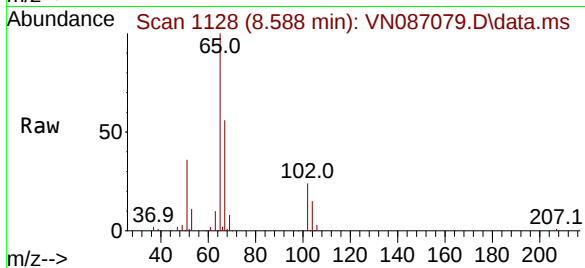
PB168515TB

Tgt Ion: 65 Resp: 177076

Ion Ratio Lower Upper

65 100

67 54.7 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: VN087079.D

Acq: 18 Jun 2025 12:51

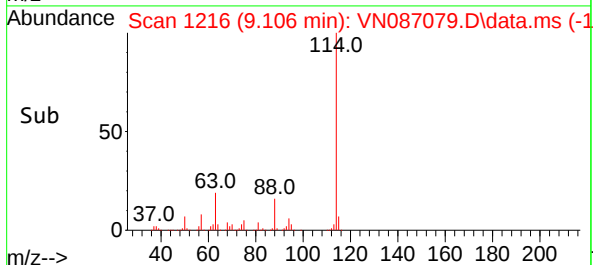
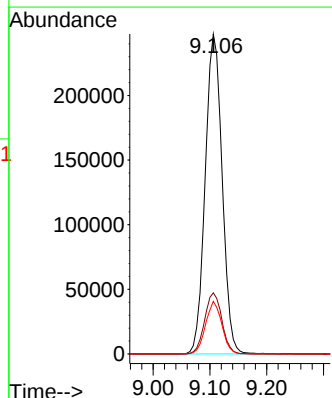
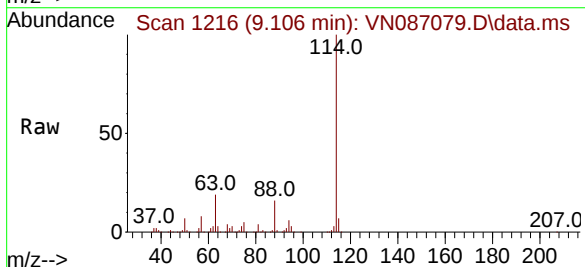
Tgt Ion: 114 Resp: 511649

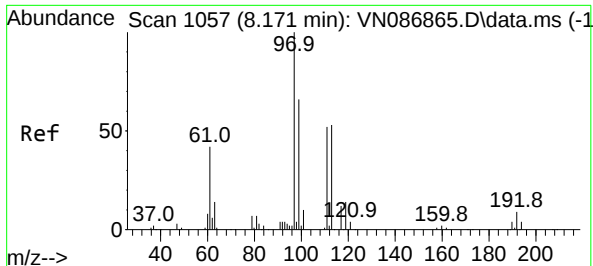
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 16.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.704 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087079.D

Acq: 18 Jun 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

PB168515TB

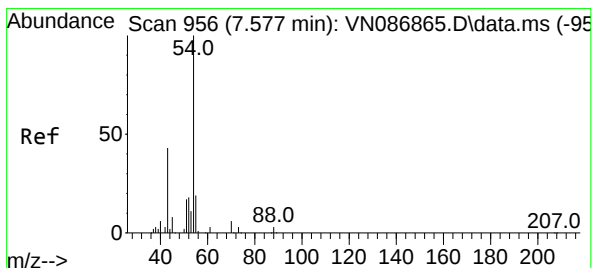
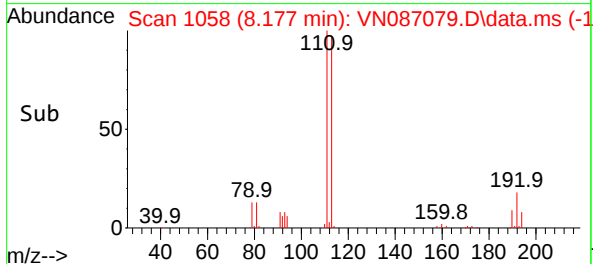
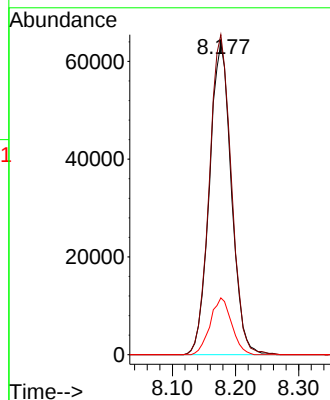
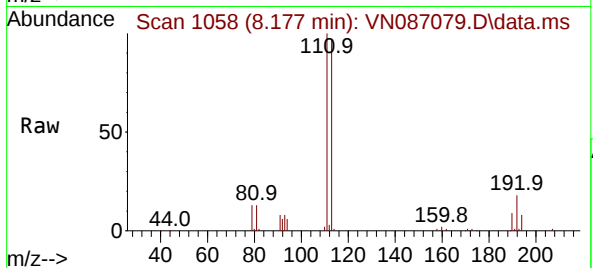
Tgt Ion:113 Resp: 153742

Ion Ratio Lower Upper

113 100

111 103.0 84.2 126.2

192 17.8 14.2 21.4



#37

Ethyl Acetate

Concen: 2.315 ug/l

RT: 7.577 min Scan# 956

Delta R.T. -0.000 min

Lab File: VN087079.D

Acq: 18 Jun 2025 12:51

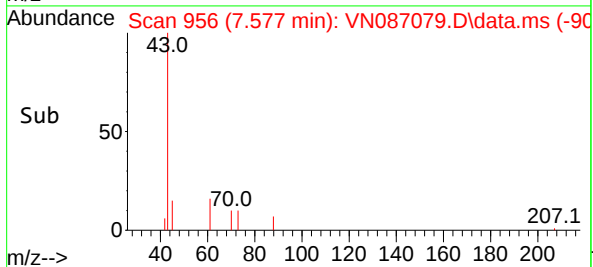
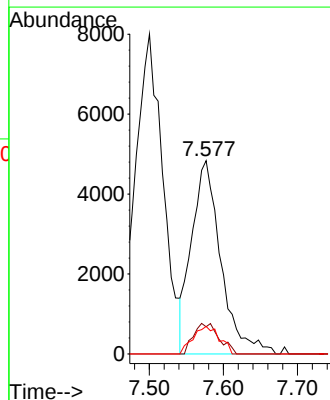
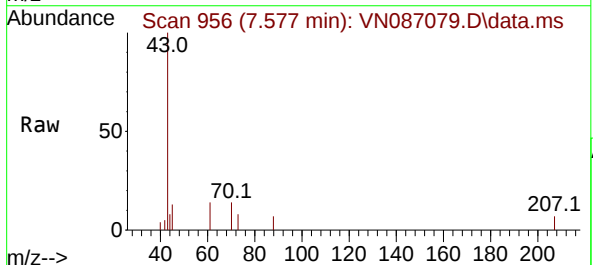
Tgt Ion: 43 Resp: 13313

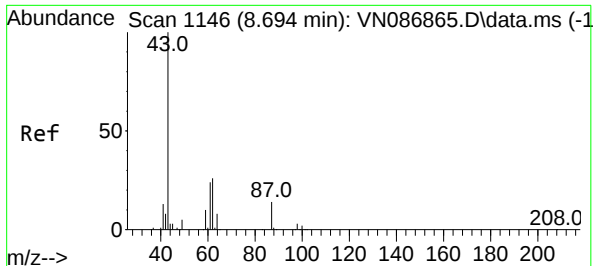
Ion Ratio Lower Upper

43 100

61 13.8 12.1 18.1

70 12.9 9.8 14.6

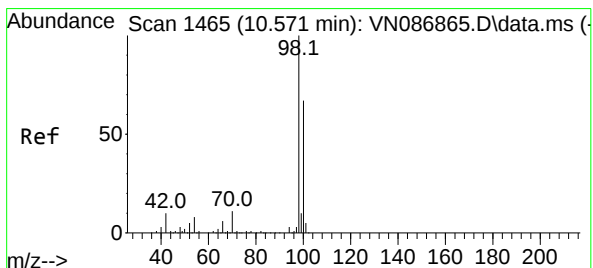
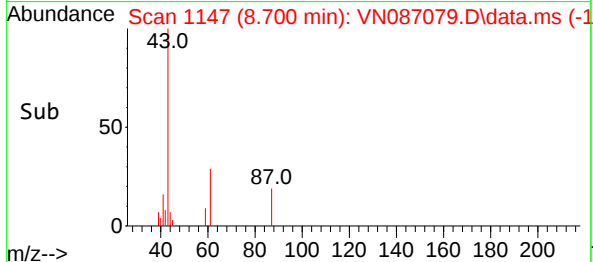
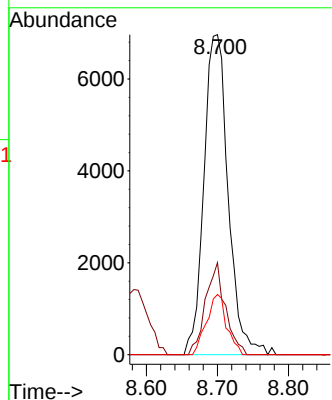
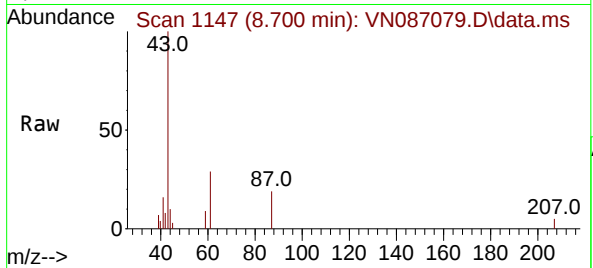




#43
Isopropyl Acetate
Concen: 1.797 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087079.D
Acq: 18 Jun 2025 12:51

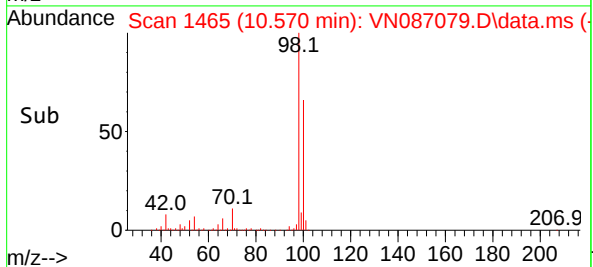
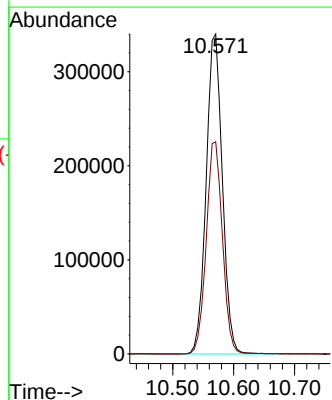
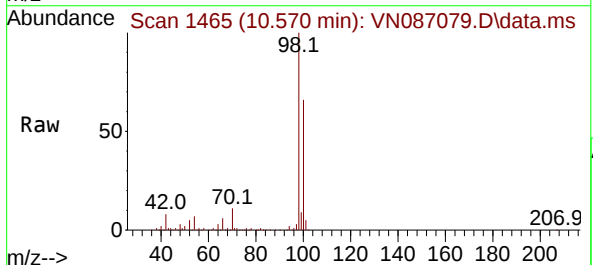
Instrument :
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PB168515TB

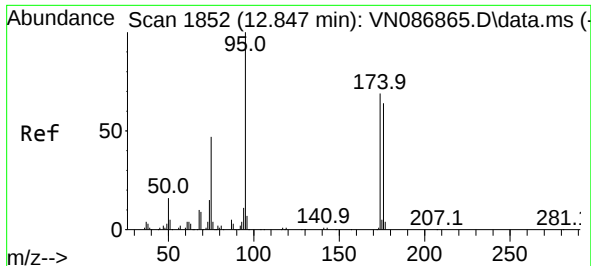
Tgt Ion: 43	Resp: 16587
Ion Ratio	Lower Upper
43 100	
61 23.5	22.1 33.1
87 15.6	11.8 17.6



#50
Toluene-d8
Concen: 52.334 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087079.D
Acq: 18 Jun 2025 12:51

Tgt Ion: 98	Resp: 628194
Ion Ratio	Lower Upper
98 100	
100 66.4	53.4 80.0

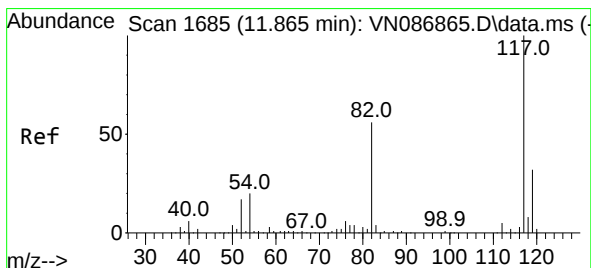
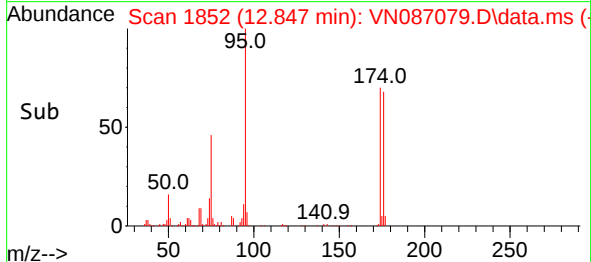
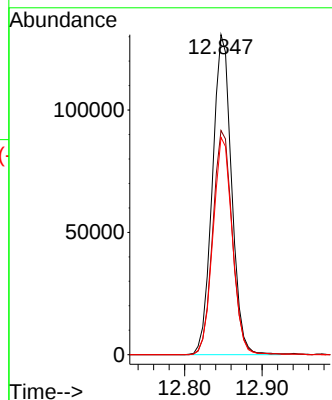
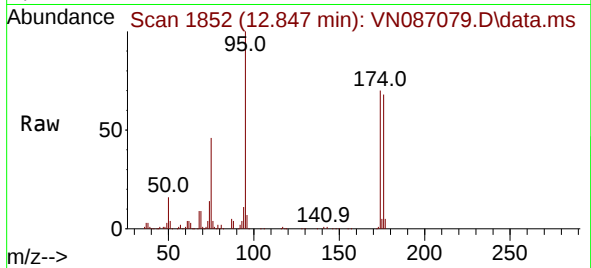




#62
4-Bromofluorobenzene
Concen: 50.437 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087079.D
Acq: 18 Jun 2025 12:51

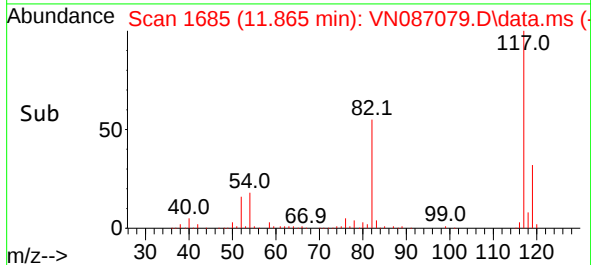
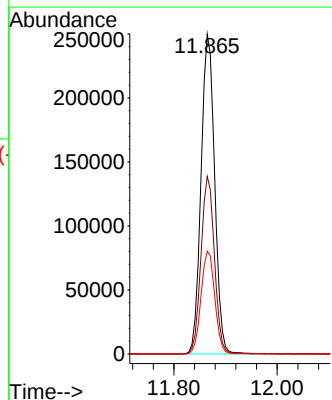
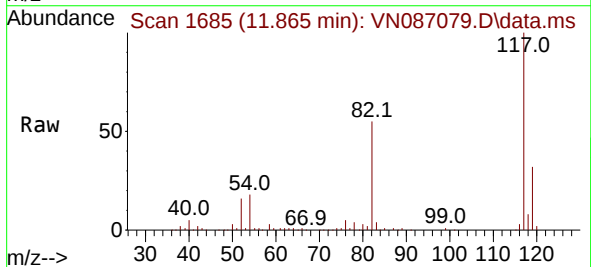
Instrument :
MSVOA_N
ClientSampleId :
PB168515TB

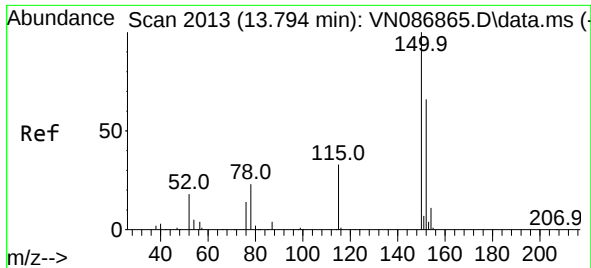
Tgt Ion: 95 Resp: 224931
Ion Ratio Lower Upper
95 100
174 71.4 0.0 141.8
176 68.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087079.D
Acq: 18 Jun 2025 12:51

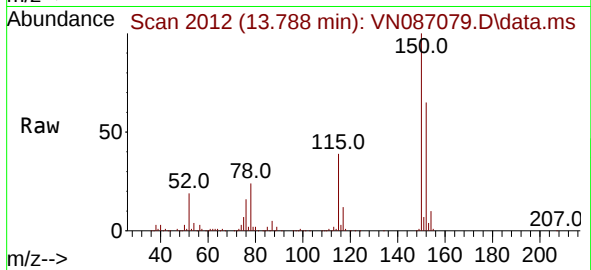
Tgt Ion: 117 Resp: 457809
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 32.1 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087079.D
 Acq: 18 Jun 2025 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168515TB



Tgt Ion:152 Resp: 222222
 Ion Ratio Lower Upper
 152 100
 115 60.1 30.1 90.5
 150 154.9 0.0 345.0

