

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086879.D
 Acq On : 06 Jun 2025 20:13
 Operator : JC\MD
 Sample : Q2216-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3865

Quant Time: Jun 07 02:30:43 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)

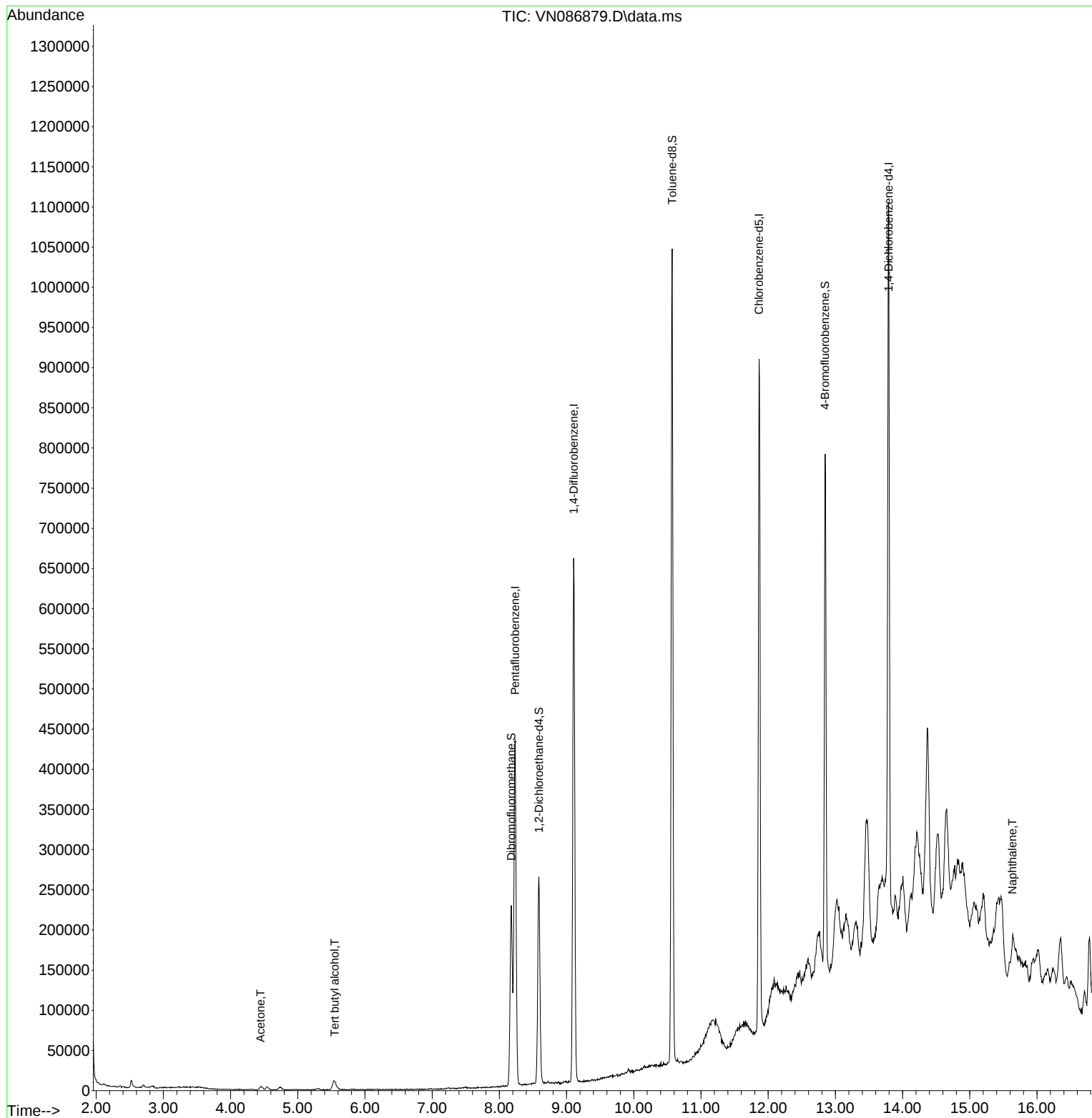
Internal Standards						
1) Pentafluorobenzene	8.235	168	334776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	602082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	526101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	256470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	208275	46.466	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.940%
35) Dibromofluoromethane	8.177	113	172503	48.346	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.700%
50) Toluene-d8	10.571	98	729350	51.635	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.280%
62) 4-Bromofluorobenzene	12.847	95	263968	50.300	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.547	59	25417	20.898	ug/l	95
16) Acetone	4.447	43	9389	3.950	ug/l	97
95) Naphthalene	15.635	128	44948	2.335	ug/l #	87

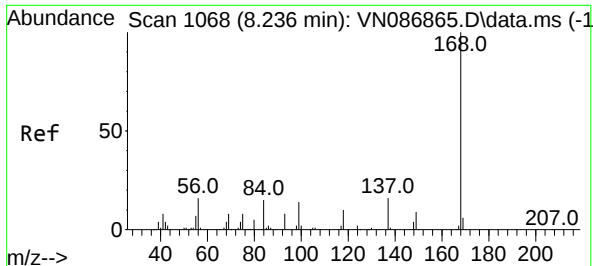
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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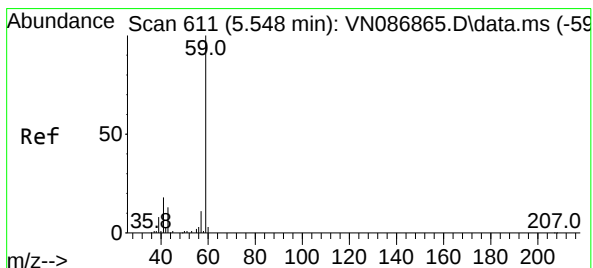
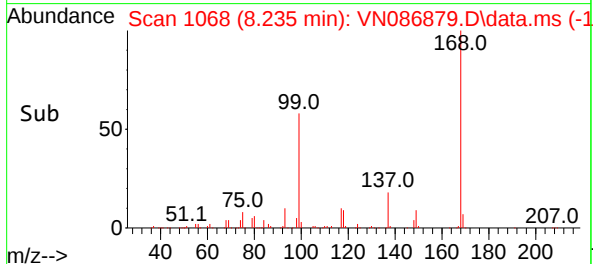
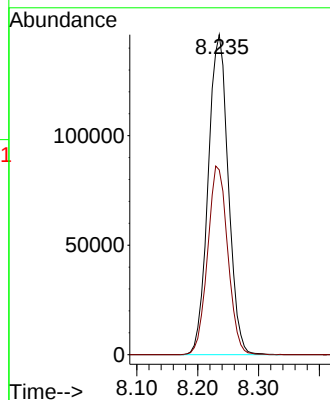
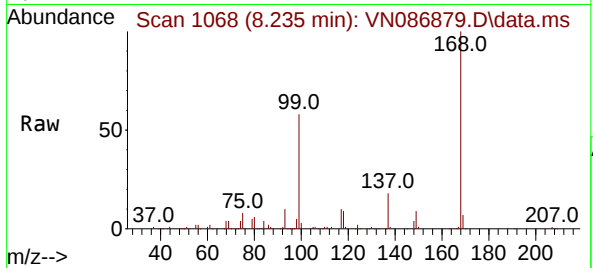




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

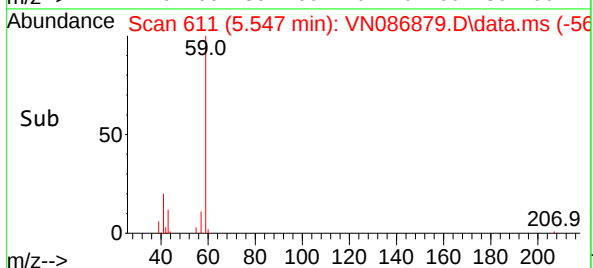
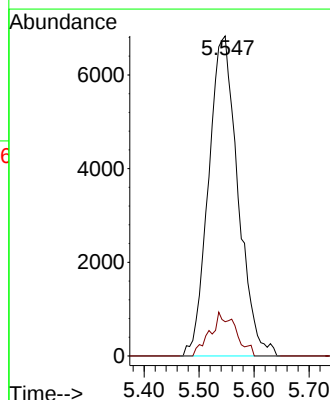
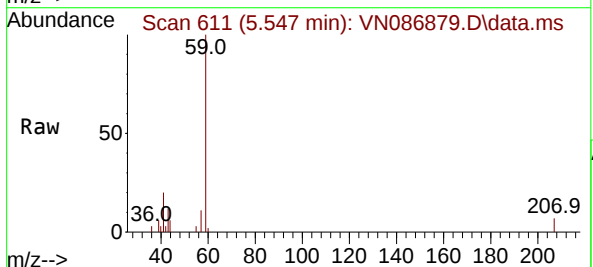
Instrument :
MSVOA_N
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3865

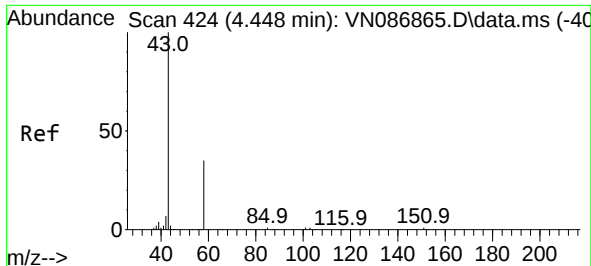
Tgt Ion:168 Resp: 334776
Ion Ratio Lower Upper
168 100
99 57.8 49.1 73.7



#11
Tert butyl alcohol
Concen: 20.898 ug/l
RT: 5.547 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 59 Resp: 25417
Ion Ratio Lower Upper
59 100
57 11.8 8.1 12.1

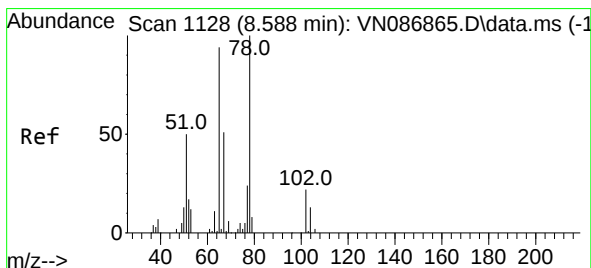
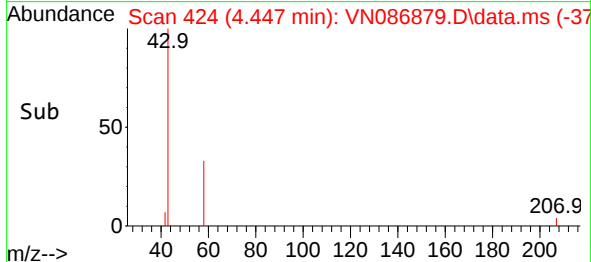
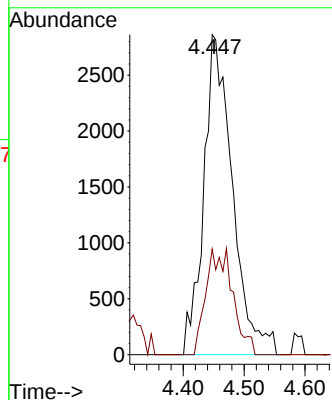
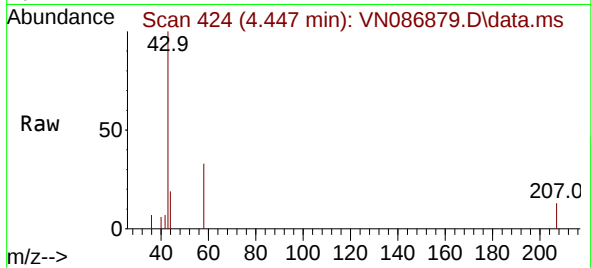




#16
Acetone
Concen: 3.950 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

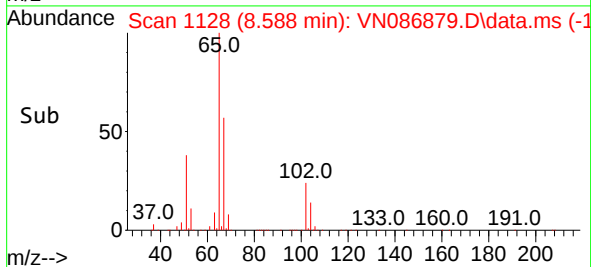
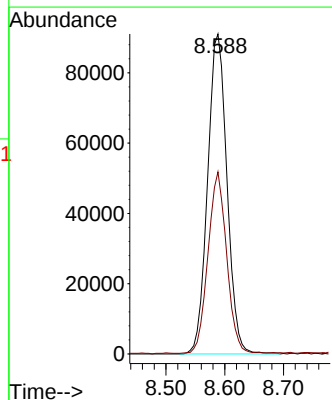
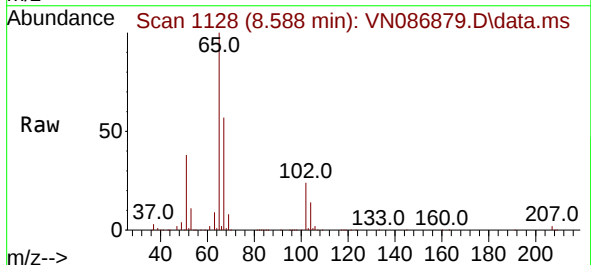
Instrument :
MSVOA_N
ClientSampleId :
3865

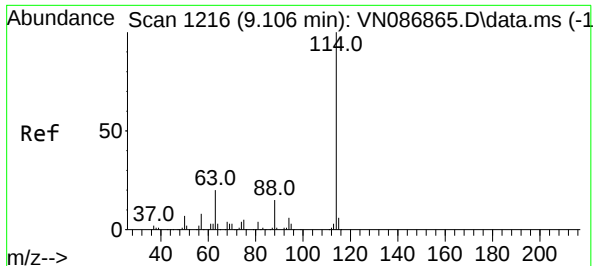
Tgt Ion: 43 Resp: 9389
Ion Ratio Lower Upper
43 100
58 33.0 28.0 42.0



#33
1,2-Dichloroethane-d4
Concen: 46.466 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 65 Resp: 208275
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086879.D

Acq: 06 Jun 2025 20:13

Instrument :

MSVOA_N

ClientSampleId :

3865

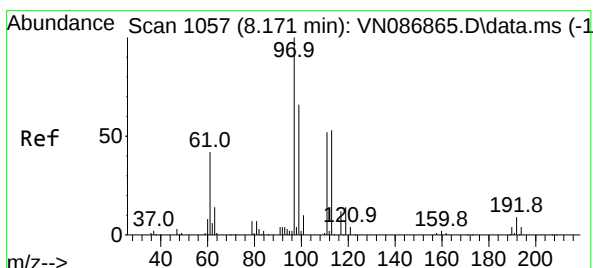
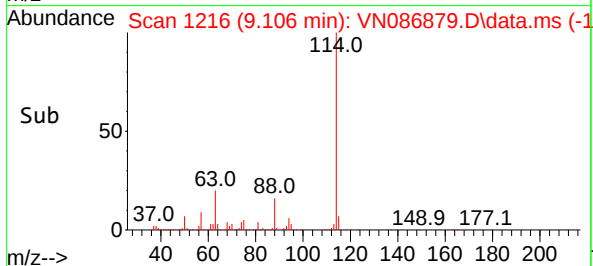
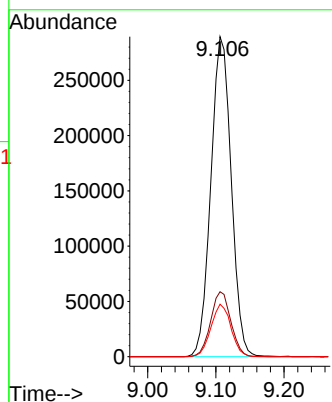
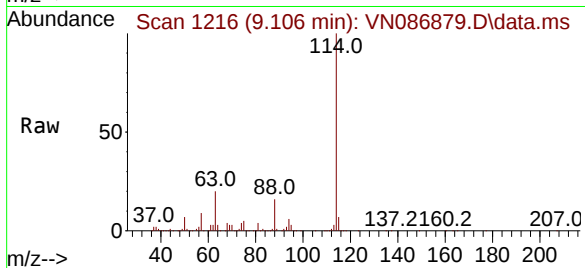
Tgt Ion:114 Resp: 602082

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 16.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.346 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086879.D

Acq: 06 Jun 2025 20:13

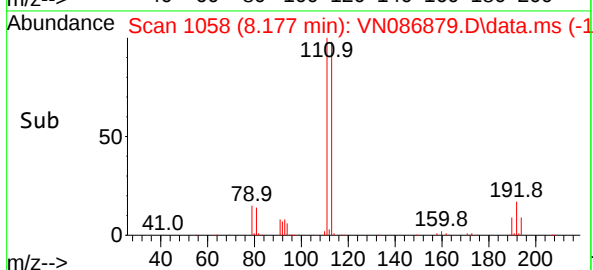
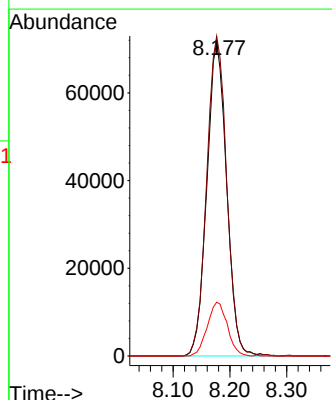
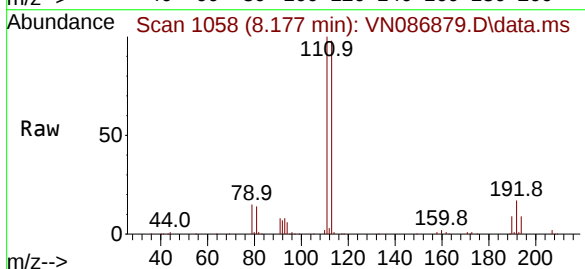
Tgt Ion:113 Resp: 172503

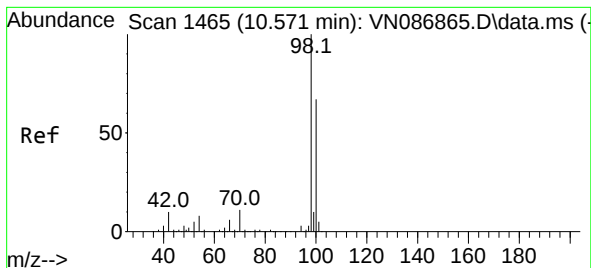
Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.2

192 17.3 14.2 21.4

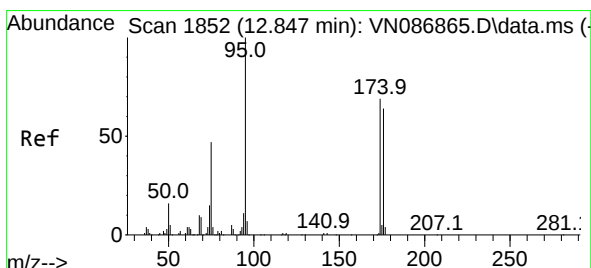
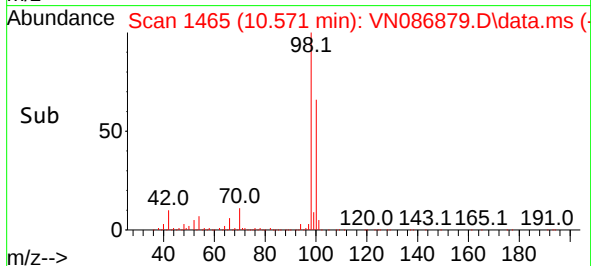
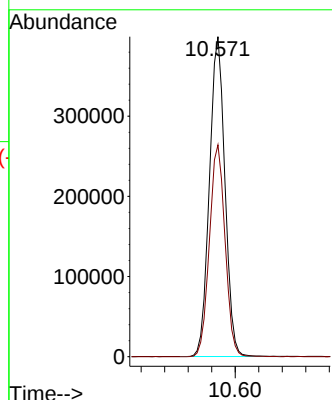
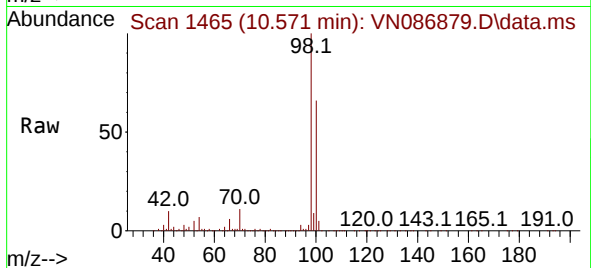




#50
Toluene-d8
Concen: 51.635 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

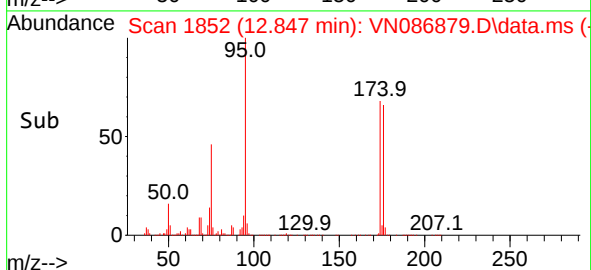
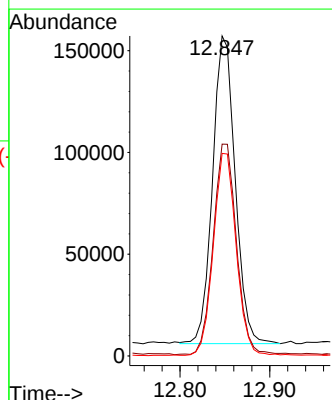
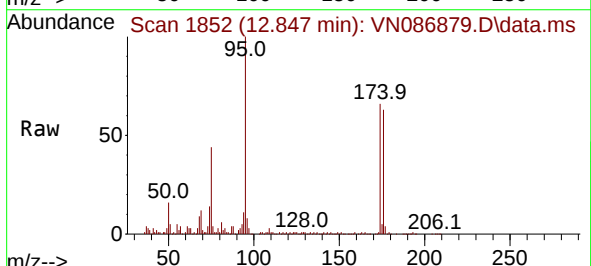
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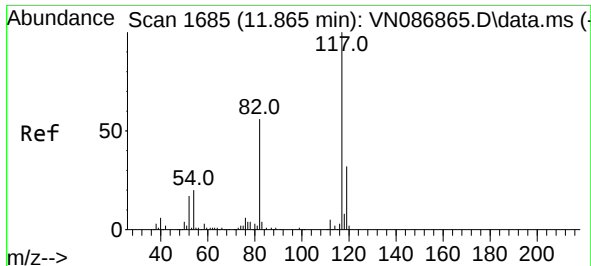
Tgt Ion: 98 Resp: 729350
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 50.300 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 95 Resp: 263968
Ion Ratio Lower Upper
95 100
174 70.2 0.0 141.8
176 66.6 0.0 132.6

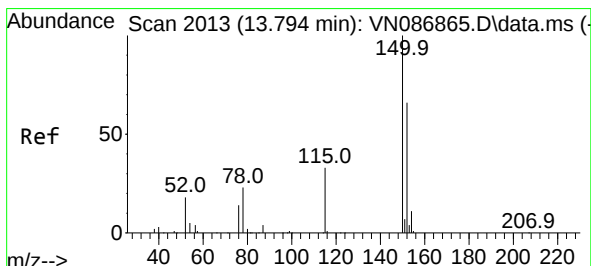
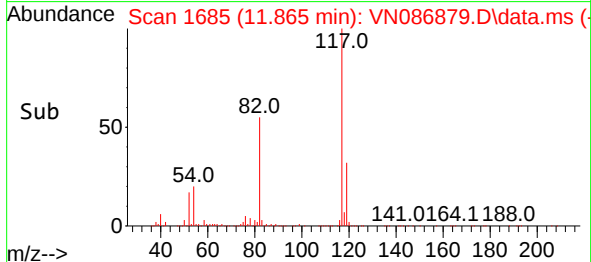
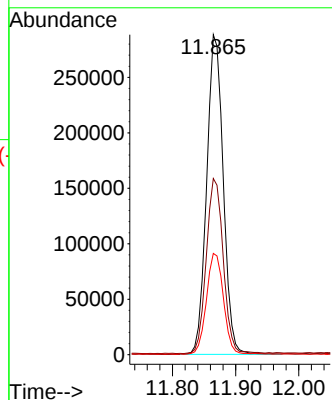
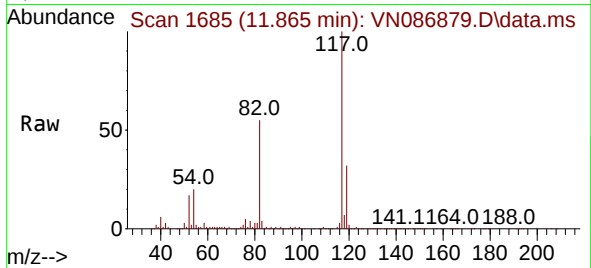




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

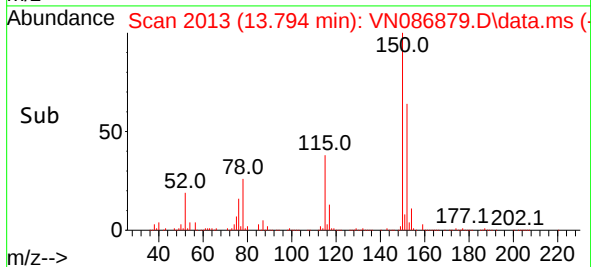
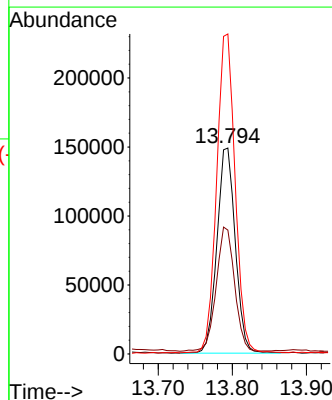
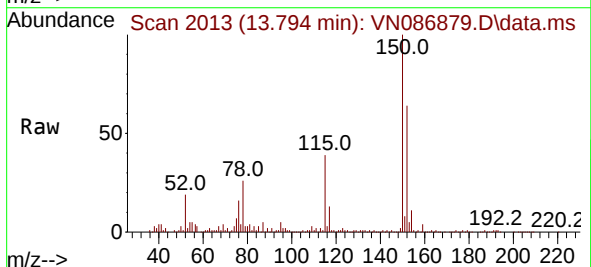
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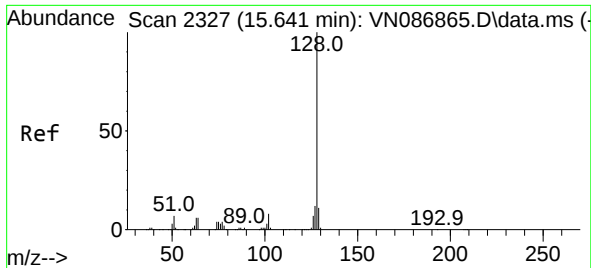
Tgt Ion:117 Resp: 526101
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion:152 Resp: 256470
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.5
150 155.9 0.0 345.0





#95

Naphthalene

Concen: 2.335 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086879.D

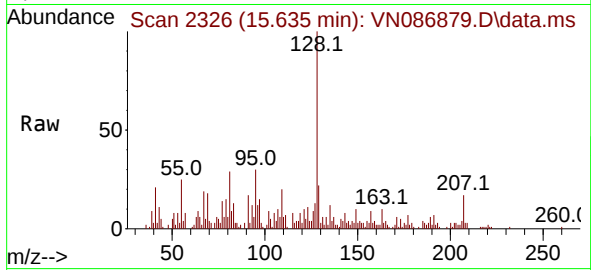
Acq: 06 Jun 2025 20:13

Instrument :

MSVOA_N

ClientSampleId :

3865



Tgt Ion:128 Resp: 44948

Ion Ratio Lower Upper

128 100

127 15.2 10.2 15.2

129 19.1 8.8 13.2#

