

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087023.D
 Acq On : 16 Jun 2025 12:22
 Operator : JC\MD
 Sample : Q2299-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20250609

Quant Time: Jun 17 07:21:12 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)

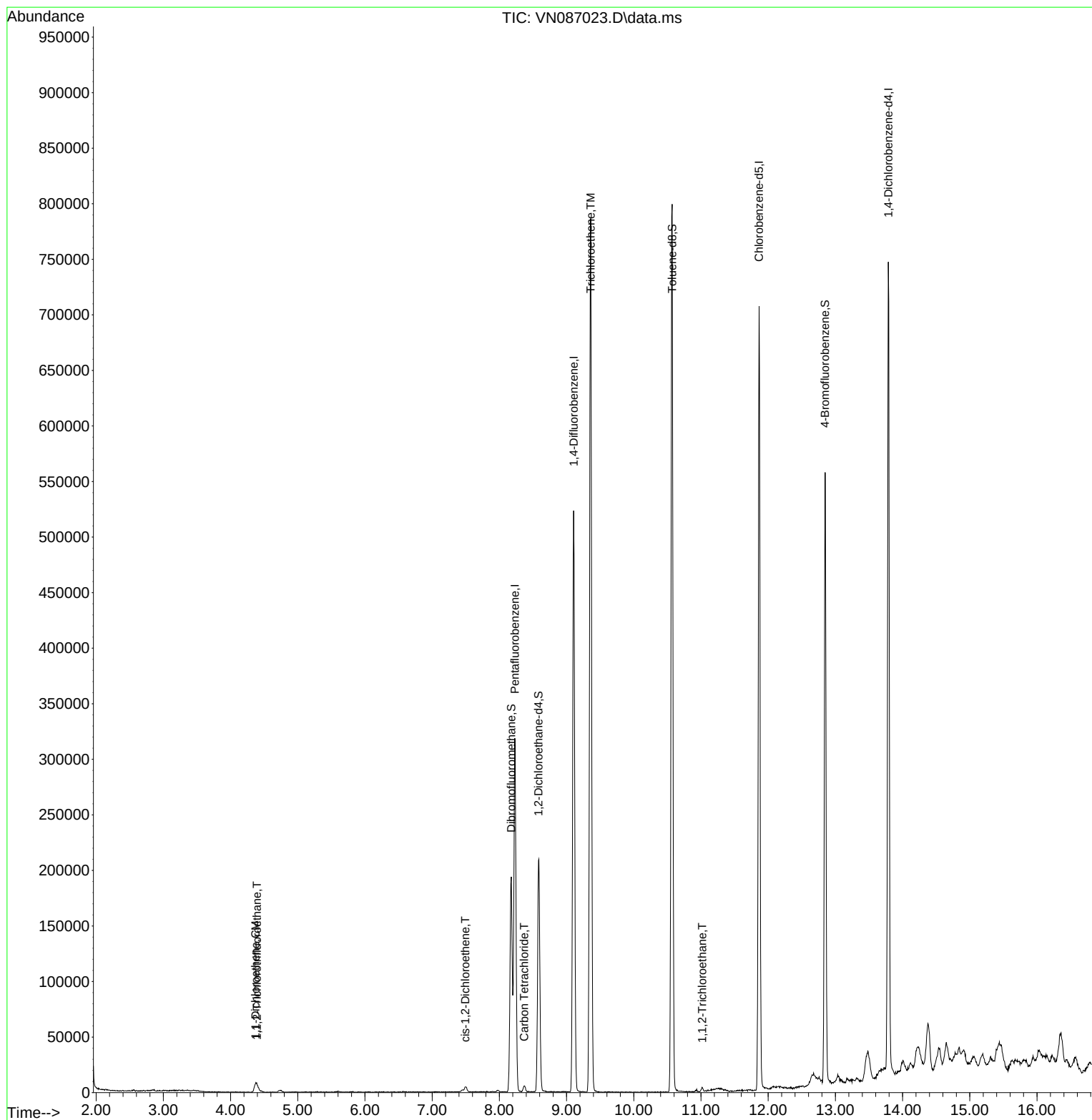
Internal Standards						
1) Pentafluorobenzene	8.229	168	248893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	491697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	447651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	215929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	173132	51.954	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 103.900%		
35) Dibromofluoromethane	8.177	113	147882	50.750	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.500%		
50) Toluene-d8	10.570	98	601581	52.151	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.300%		
62) 4-Bromofluorobenzene	12.847	95	219116	51.127	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 102.260%		
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.394	101	3512	1.294	ug/l #	79
12) 1,1-Dichloroethene	4.371	96	4876	1.760	ug/l	91
27) cis-1,2-Dichloroethene	7.494	96	3491	0.947	ug/l	83
38) Carbon Tetrachloride	8.371	117	4417	1.036	ug/l	94
44) Trichloroethene	9.359	130	317312	94.249	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	1574	0.471	ug/l #	79

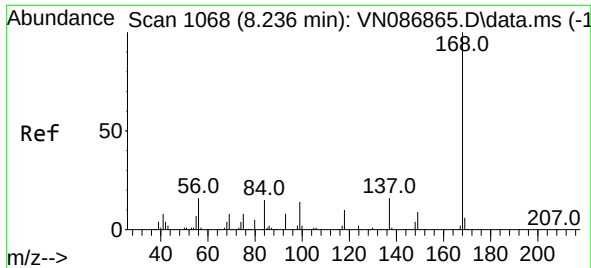
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 07 02:12:50 2025
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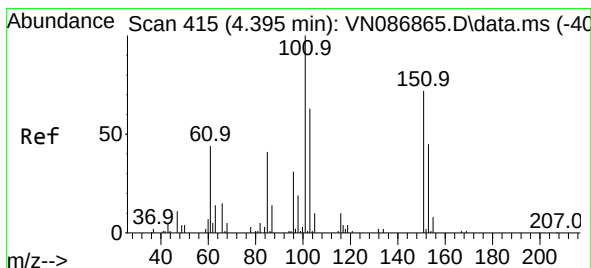
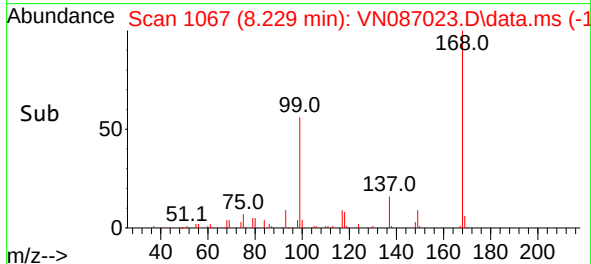
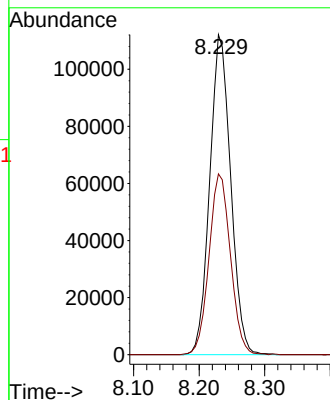
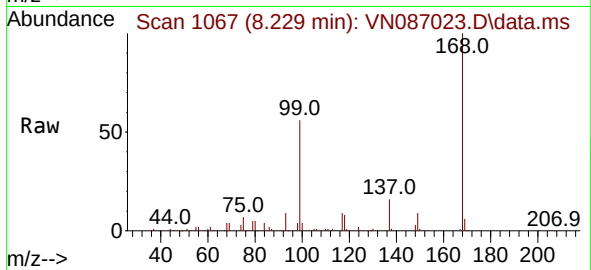




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

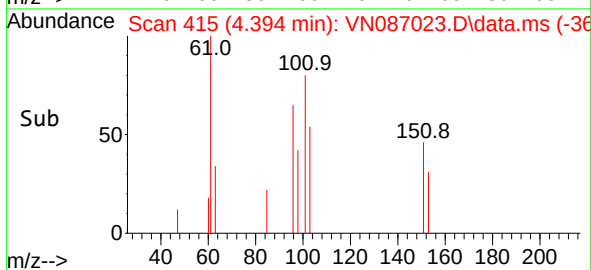
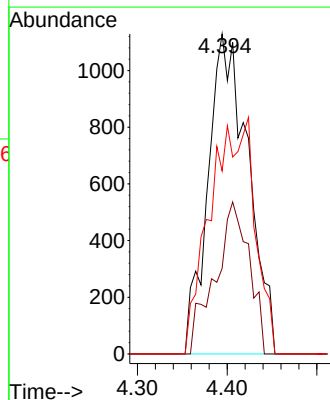
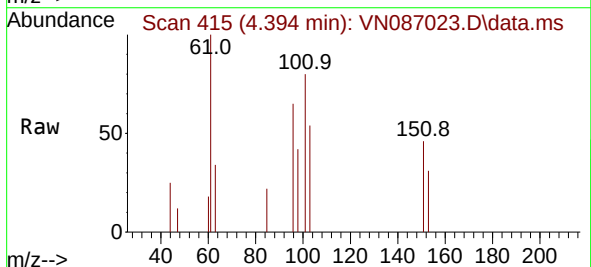
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20250609

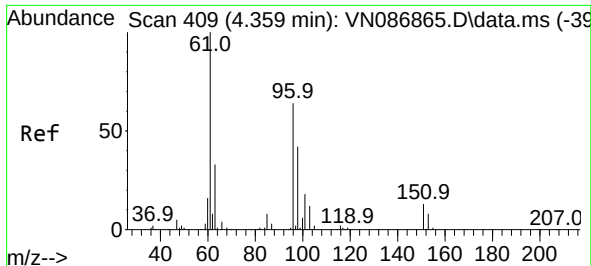
Tgt Ion:168 Resp: 248893
Ion Ratio Lower Upper
168 100
99 56.5 49.1 73.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.294 ug/l
RT: 4.394 min Scan# 415
Delta R.T. -0.000 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

Tgt Ion:101 Resp: 3512
Ion Ratio Lower Upper
101 100
85 40.4 33.8 50.8
151 46.5 58.7 88.1#

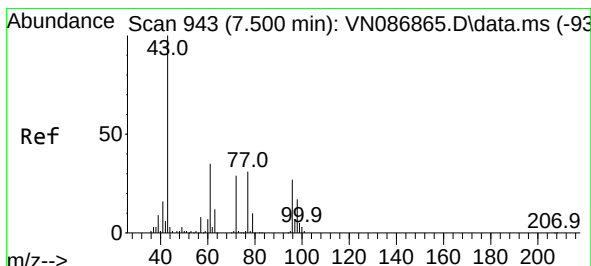
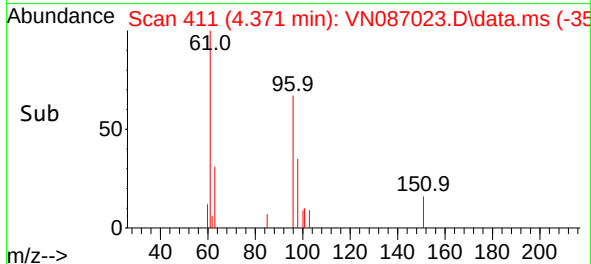
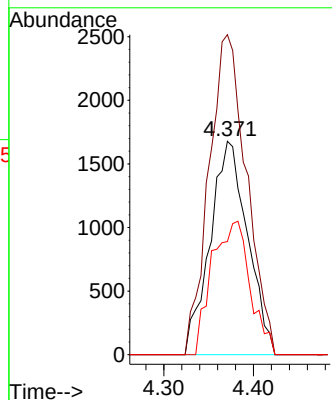
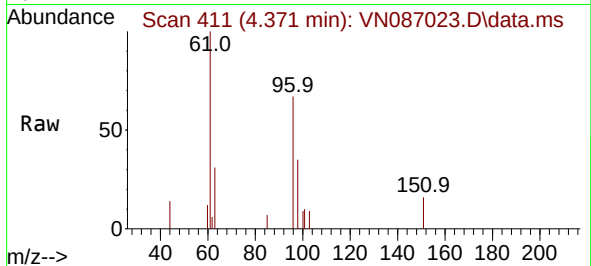




#12
 1,1-Dichloroethene
 Concen: 1.760 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.011 min
 Lab File: VN087023.D
 Acq: 16 Jun 2025 12:22

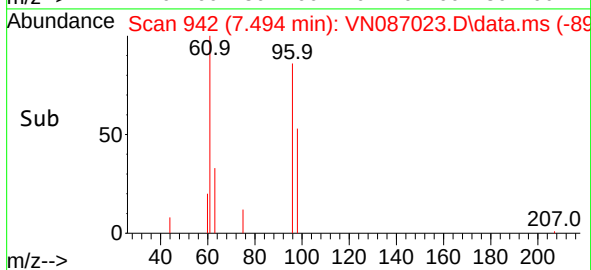
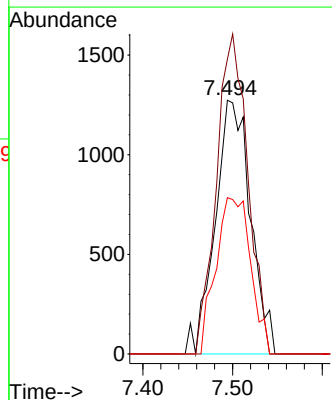
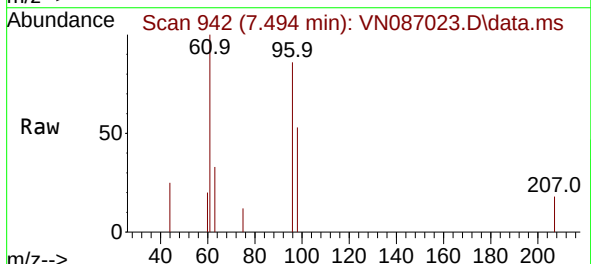
Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20250609

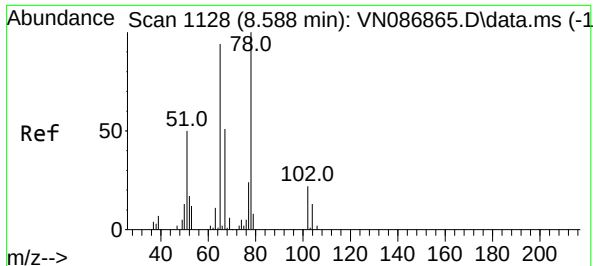
Tgt Ion:	96	Resp:	4876
Ion	Ratio	Lower	Upper
96	100		
61	149.9	125.8	188.6
98	53.0	52.5	78.7



#27
 cis-1,2-Dichloroethene
 Concen: 0.947 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. -0.006 min
 Lab File: VN087023.D
 Acq: 16 Jun 2025 12:22

Tgt Ion:	96	Resp:	3491
Ion	Ratio	Lower	Upper
96	100		
61	111.9	0.0	278.0
98	60.5	0.0	128.2





#33

1,2-Dichloroethane-d4

Concen: 51.954 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087023.D

Acq: 16 Jun 2025 12:22

Instrument :

MSVOA_N

ClientSampleId :

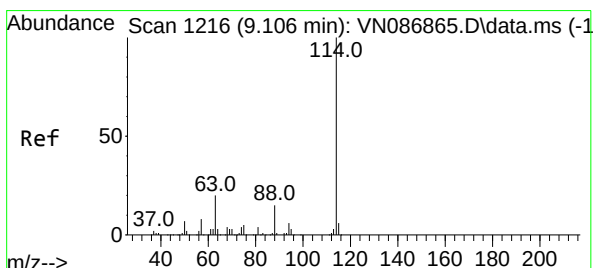
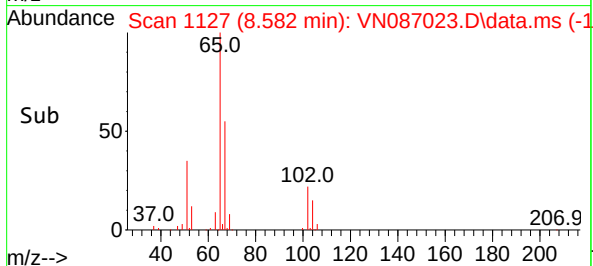
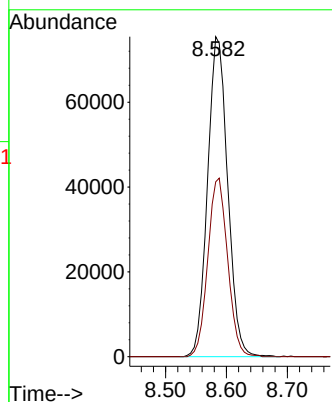
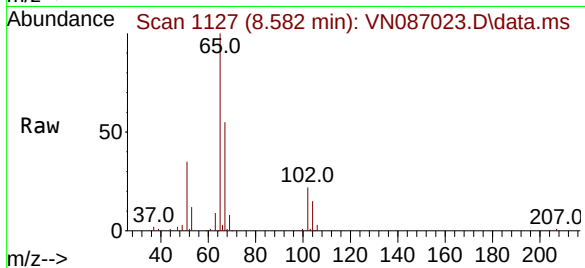
RE117D1-20250609

Tgt Ion: 65 Resp: 173132

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: VN087023.D

Acq: 16 Jun 2025 12:22

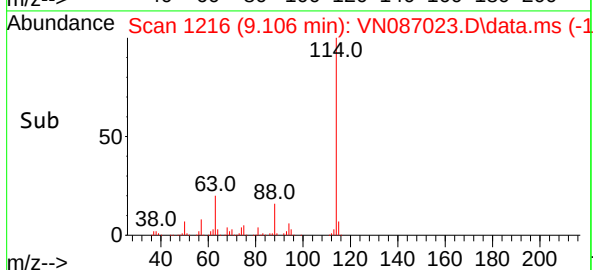
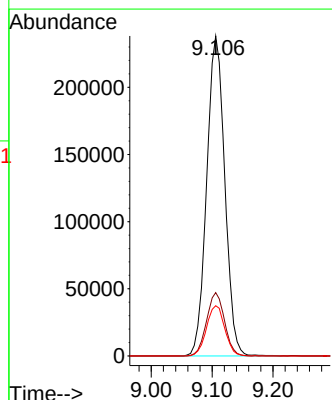
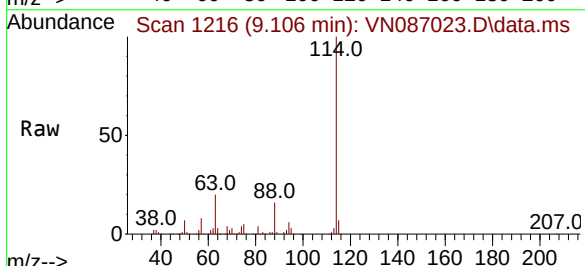
Tgt Ion: 114 Resp: 491697

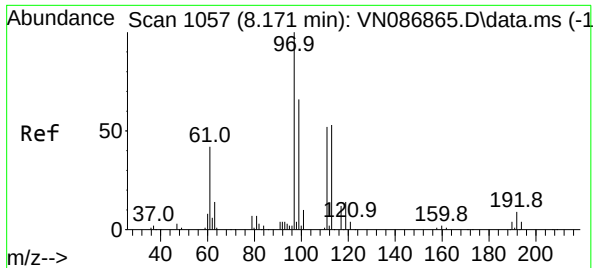
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.750 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087023.D

Acq: 16 Jun 2025 12:22

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20250609

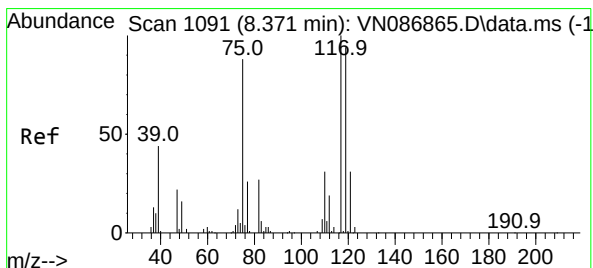
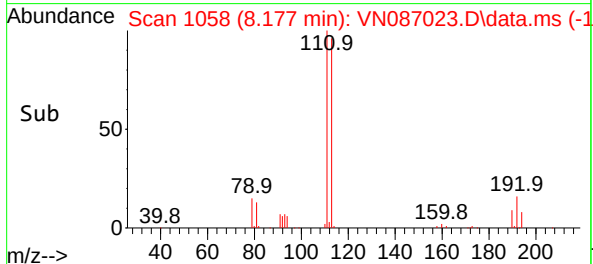
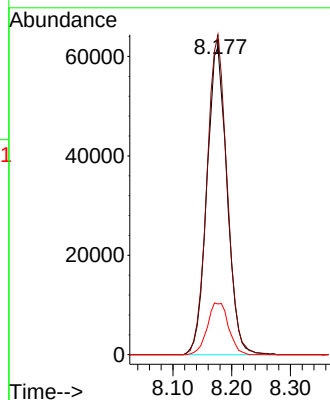
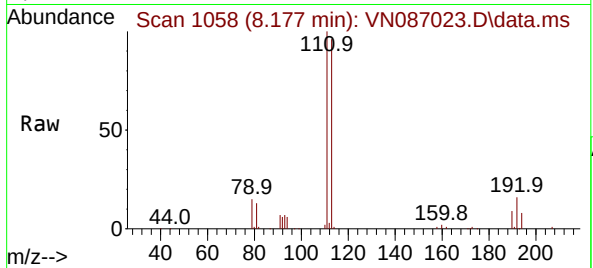
Tgt Ion:113 Resp: 147882

Ion Ratio Lower Upper

113 100

111 103.5 84.2 126.2

192 17.7 14.2 21.4



#38

Carbon Tetrachloride

Concen: 1.036 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VN087023.D

Acq: 16 Jun 2025 12:22

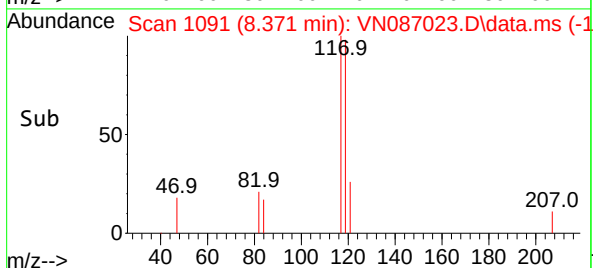
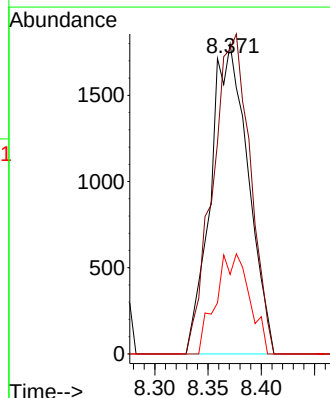
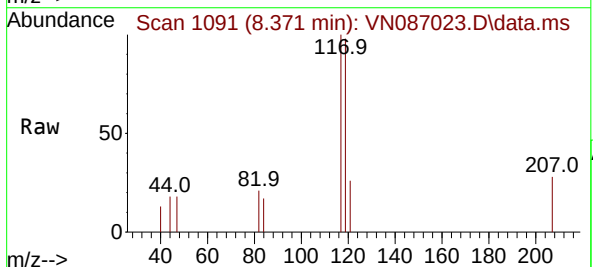
Tgt Ion:117 Resp: 4417

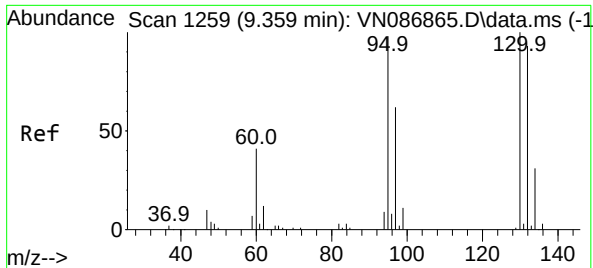
Ion Ratio Lower Upper

117 100

119 98.3 75.0 112.6

121 25.6 24.9 37.3

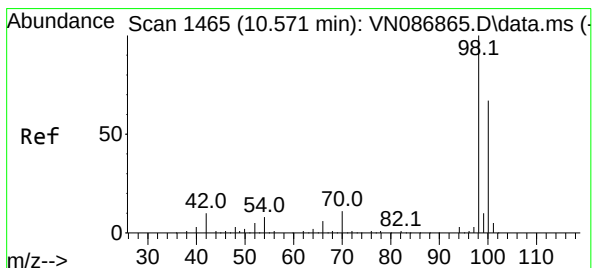
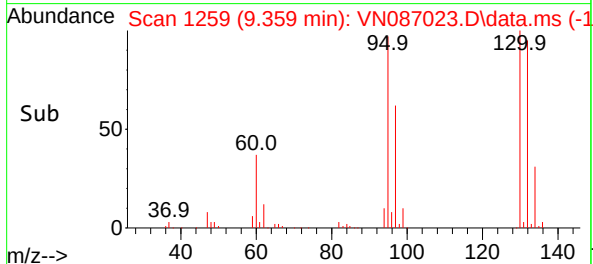
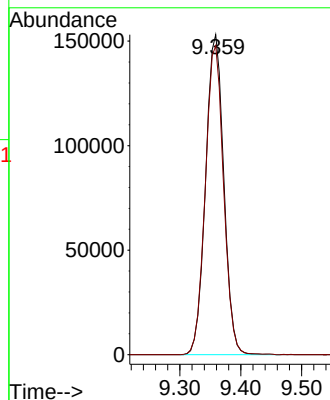
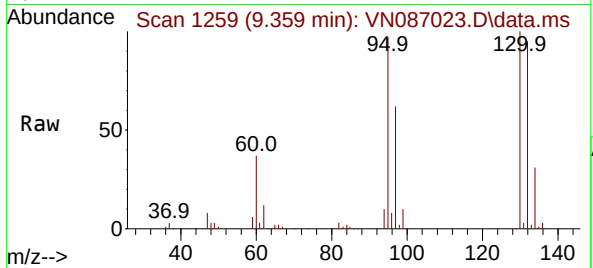




#44
Trichloroethene
Concen: 94.249 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

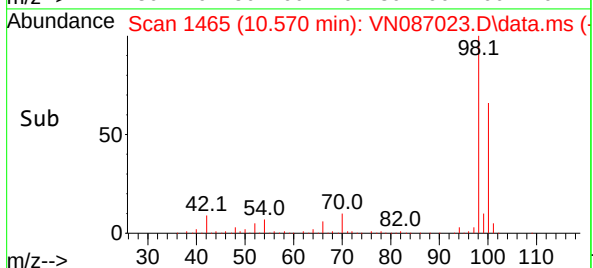
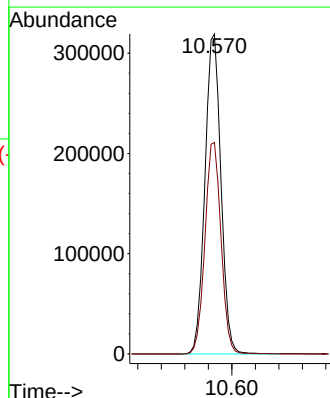
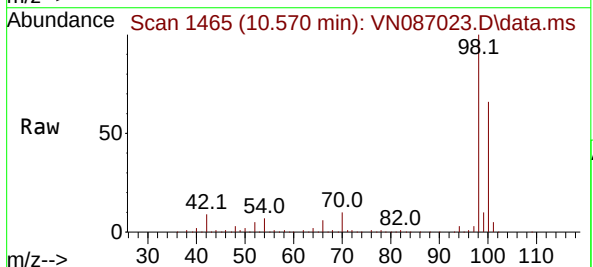
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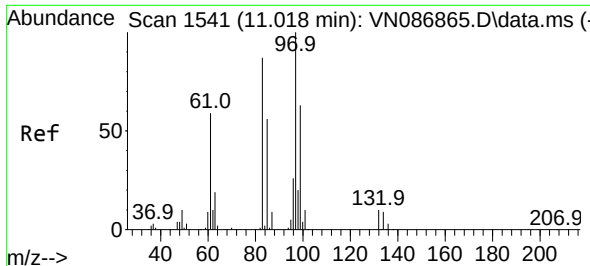
Tgt Ion:130 Resp: 317312
Ion Ratio Lower Upper
130 100
95 96.6 0.0 196.2



#50
Toluene-d8
Concen: 52.151 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

Tgt Ion: 98 Resp: 601581
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0

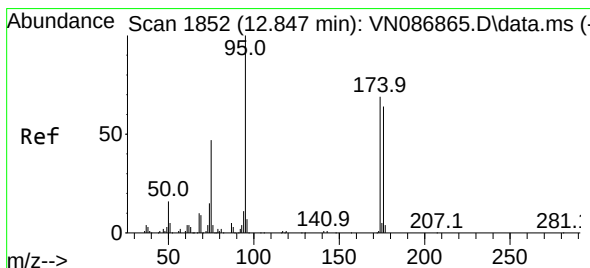
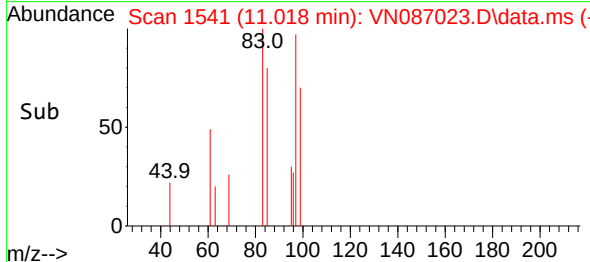
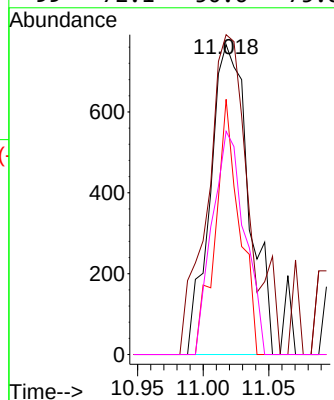
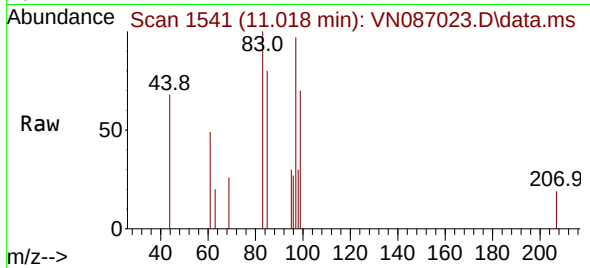




#55
 1,1,2-Trichloroethane
 Concen: 0.471 ug/l
 RT: 11.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN087023.D
 Acq: 16 Jun 2025 12:22

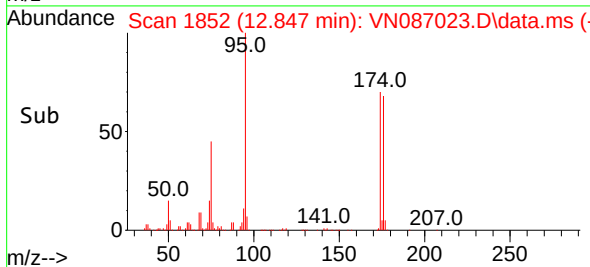
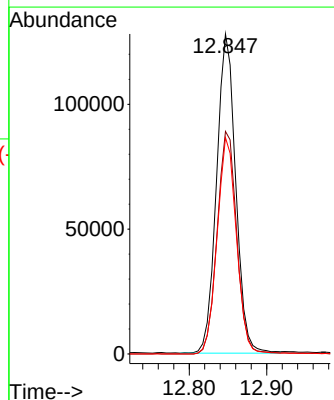
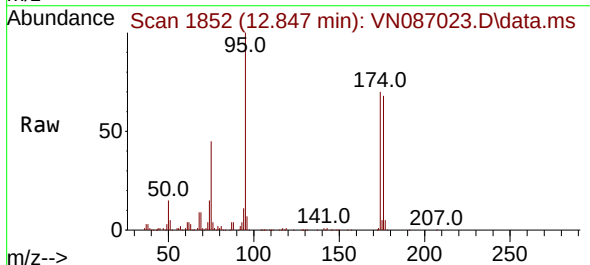
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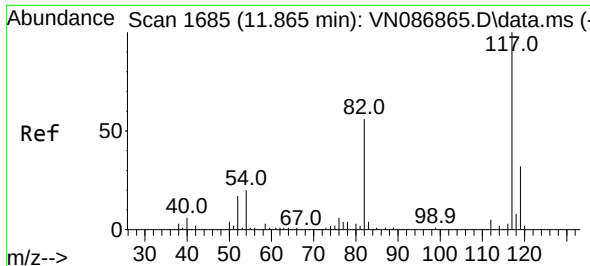
Tgt Ion:	97	Resp:	1574
Ion	Ratio	Lower	Upper
97	100		
83	103.3	69.7	104.5
85	82.4	45.1	67.7#
99	72.1	50.6	75.8



#62
 4-Bromofluorobenzene
 Concen: 51.127 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN087023.D
 Acq: 16 Jun 2025 12:22

Tgt Ion:	95	Resp:	219116
Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	141.8
176	68.6	0.0	132.6

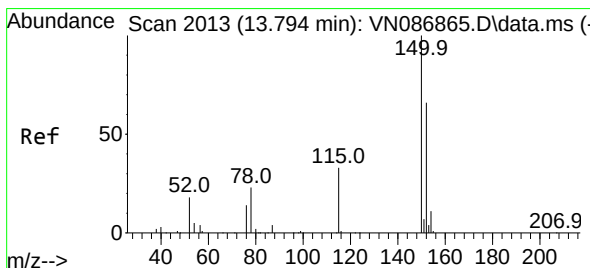
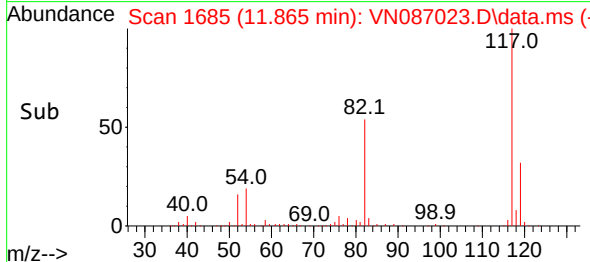
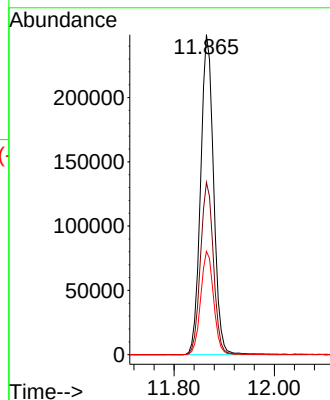
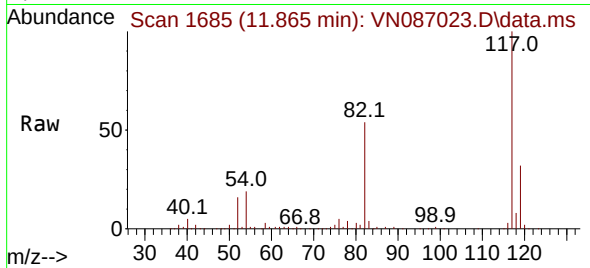




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20250609

Tgt Ion:117 Resp: 447651
Ion Ratio Lower Upper
117 100
82 53.9 44.6 67.0
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

Tgt Ion:152 Resp: 215929
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.5
150 158.7 0.0 345.0

