

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087069.D
 Acq On : 17 Jun 2025 18:39
 Operator : JC\MD
 Sample : Q2299-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D1-20250609

Quant Time: Jun 18 01:53:01 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)

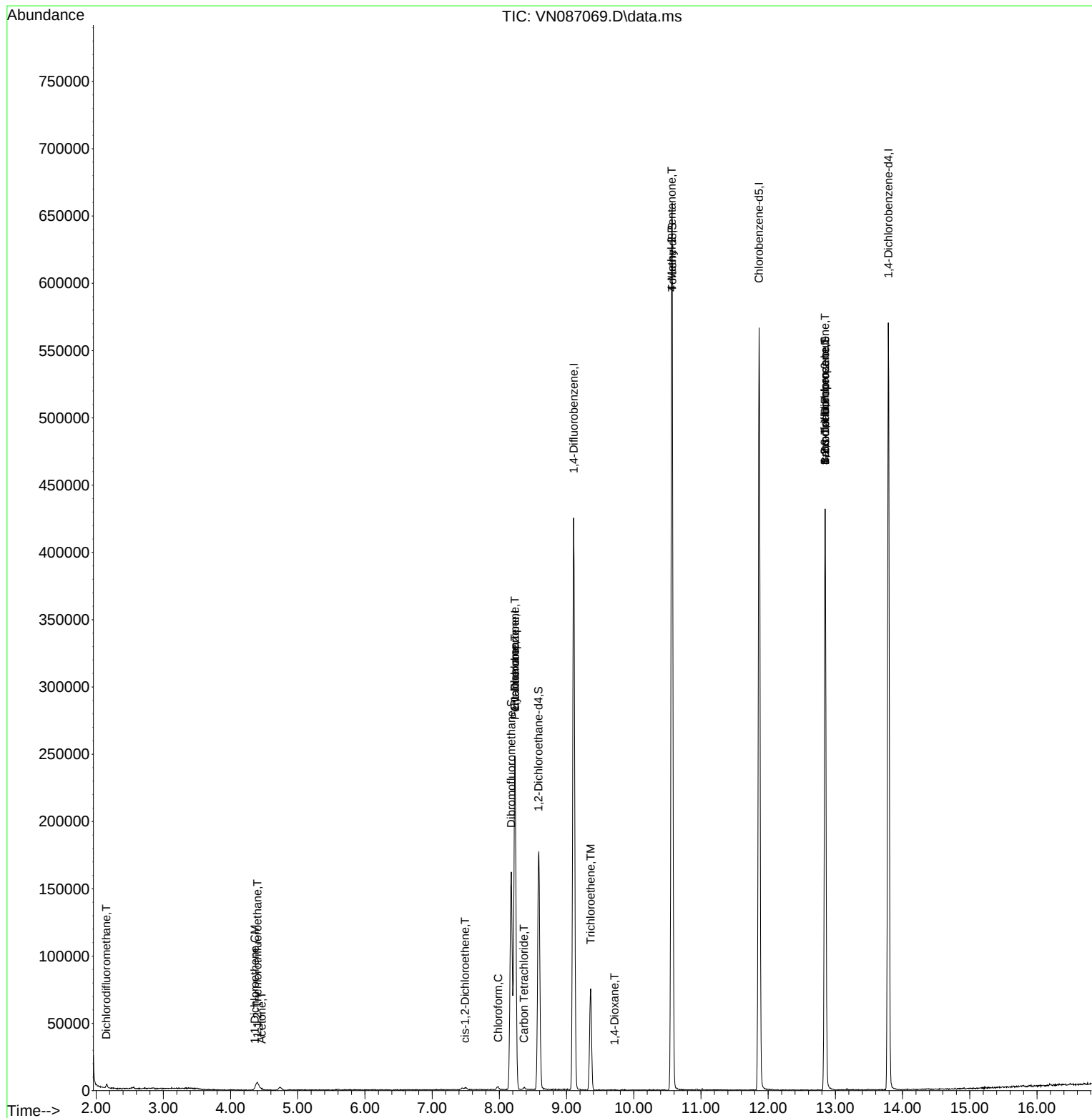
Internal Standards						
1) Pentafluorobenzene	8.236	168	195470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	400684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	360806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	144743	55.306	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 110.620%		
35) Dibromofluoromethane	8.177	113	122976	51.789	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.580%		
50) Toluene-d8	10.571	98	490560	52.186	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.380%		
62) 4-Bromofluorobenzene	12.847	95	171525	49.113	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 98.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	2275	1.167	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	4399	2.064	ug/l	99
12) 1,1-Dichloroethene	4.359	96	650	0.299	ug/l #	74
16) Acetone	4.465	43	1737	1.252	ug/l	89
27) cis-1,2-Dichloroethene	7.489	96	592	0.204	ug/l	64
30) Chloroform	7.983	83	2534	0.580	ug/l	97
31) Cyclohexane	8.230	56	3378	0.796	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	14576	4.119	ug/l #	49
38) Carbon Tetrachloride	8.365	117	1185	0.341	ug/l #	76
44) Trichloroethene	9.359	130	30562	11.140	ug/l	87
49) 1,4-Dioxane	9.712	88	207	3.420	ug/l #	14
51) 4-Methyl-2-Pentanone	10.565	43	1447	0.332	ug/l #	1
71) Bromoform	12.847	173	975	0.514	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	80875	19.820	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80875	45.624	ug/l #	16

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

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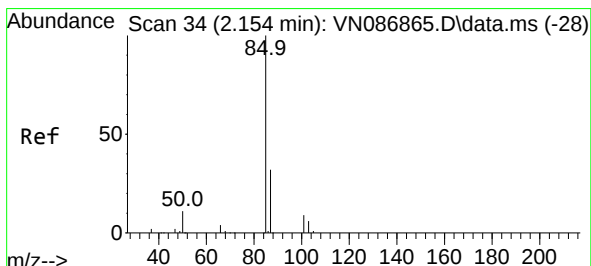
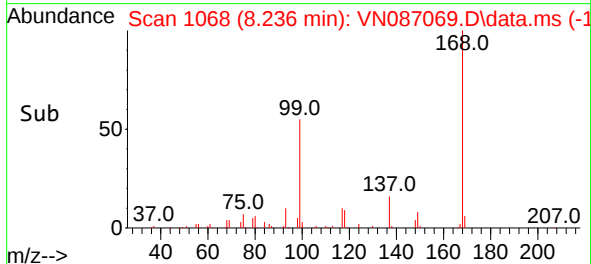
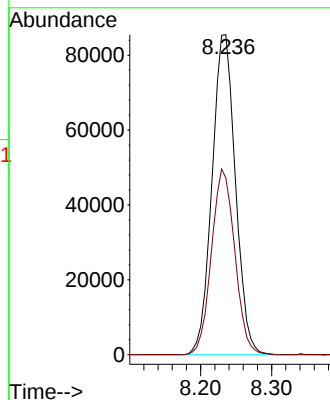
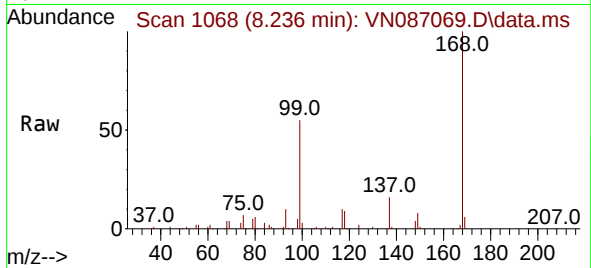




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

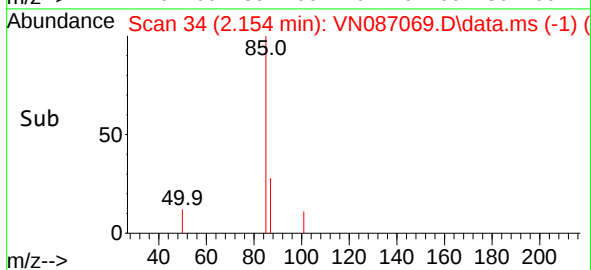
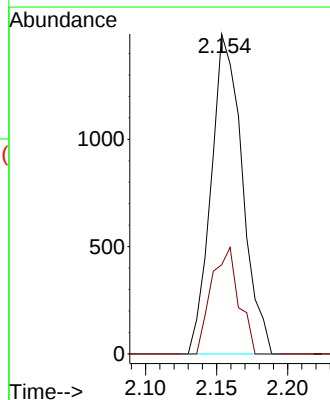
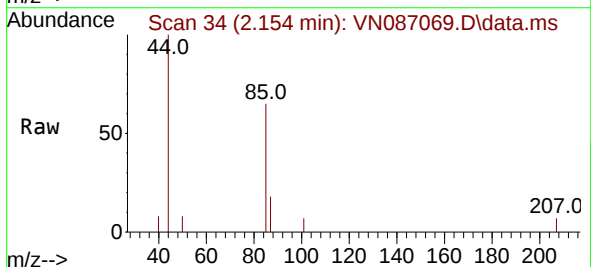
Instrument :
MSVOA_N
ClientSampleId :
TT191D1-20250609

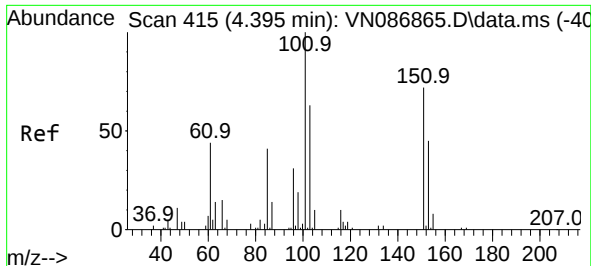
Tgt Ion:168 Resp: 195470
Ion Ratio Lower Upper
168 100
99 55.2 49.1 73.7



#2
Dichlorodifluoromethane
Concen: 1.167 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

Tgt Ion: 85 Resp: 2275
Ion Ratio Lower Upper
85 100
87 27.8 16.2 48.6

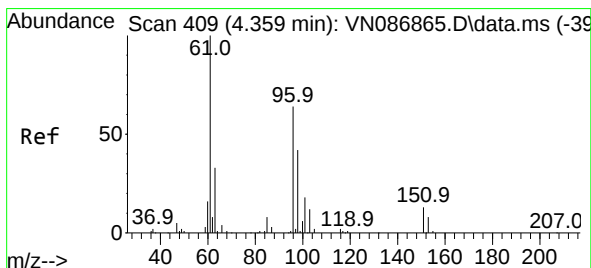
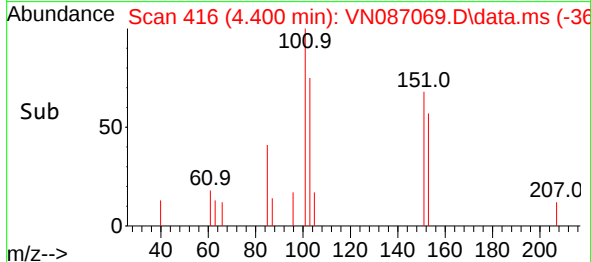
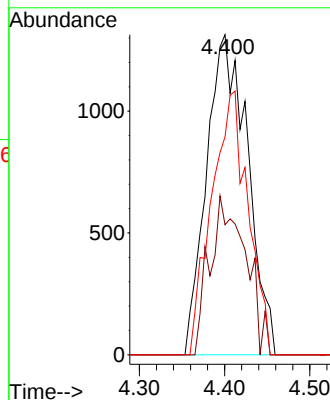
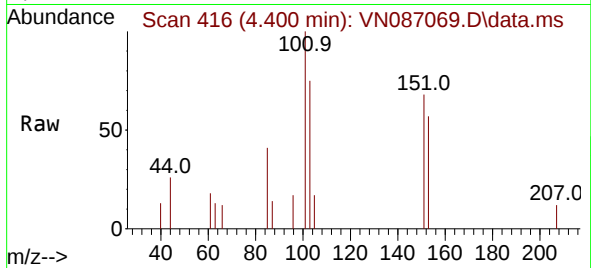




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.064 ug/l
RT: 4.400 min Scan# 415
Delta R.T. 0.006 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

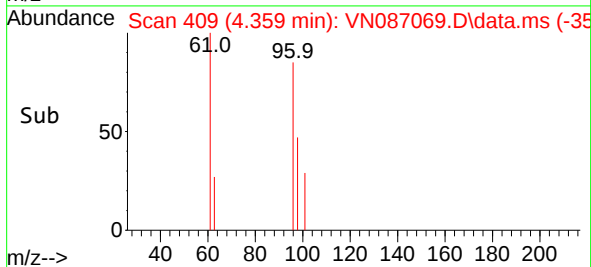
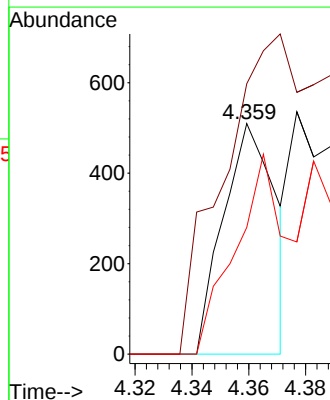
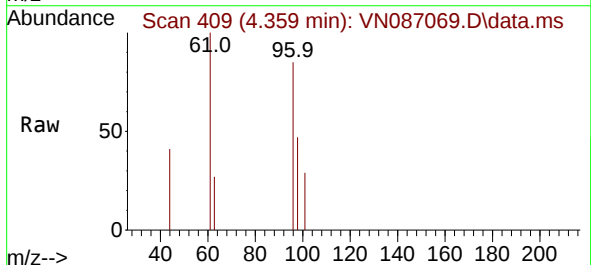
Instrument :
MSVOA_N
ClientSampleId :
TT191D1-20250609

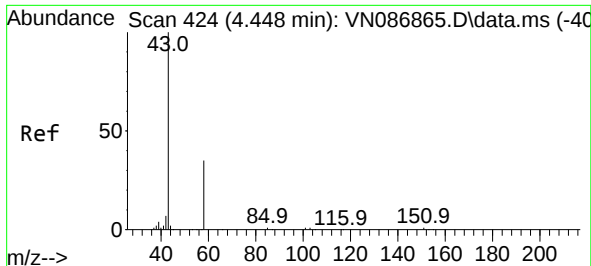
Tgt Ion:101 Resp: 4399
Ion Ratio Lower Upper
101 100
85 43.6 33.8 50.8
151 73.1 58.7 88.1



#12
1,1-Dichloroethene
Concen: 0.299 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

Tgt Ion: 96 Resp: 650
Ion Ratio Lower Upper
96 100
61 117.3 125.8 188.6#
98 54.9 52.5 78.7





#16

Acetone

Concen: 1.252 ug/l

RT: 4.465 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN087069.D

Acq: 17 Jun 2025 18:39

Instrument :

MSVOA_N

ClientSampleId :

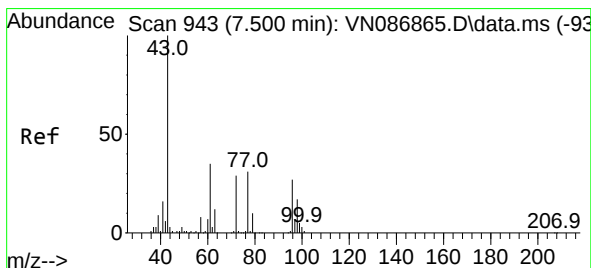
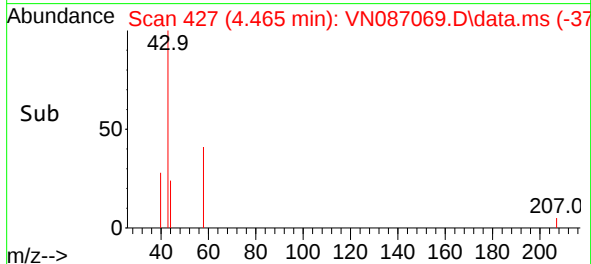
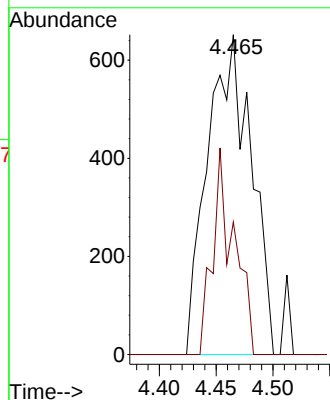
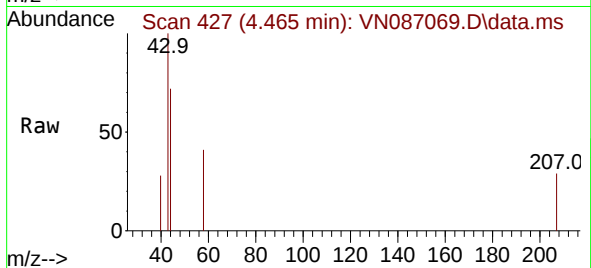
TT191D1-20250609

Tgt Ion: 43 Resp: 1737

Ion Ratio Lower Upper

43 100

58 41.4 28.0 42.0



#27

cis-1,2-Dichloroethene

Concen: 0.204 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.012 min

Lab File: VN087069.D

Acq: 17 Jun 2025 18:39

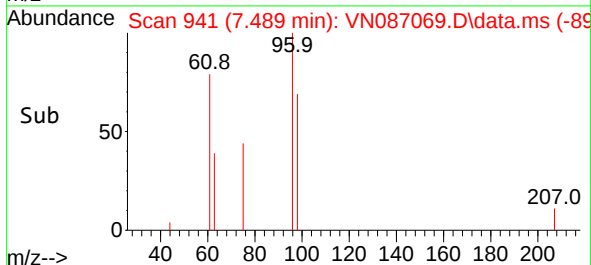
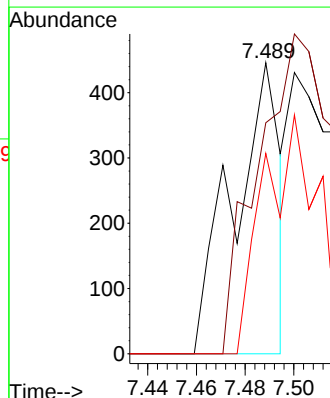
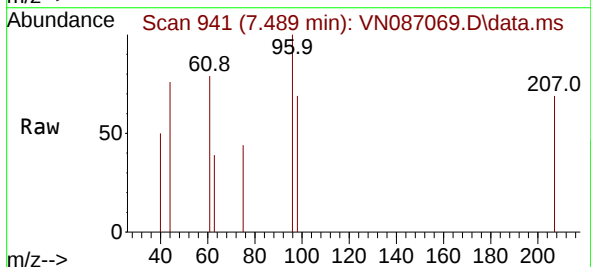
Tgt Ion: 96 Resp: 592

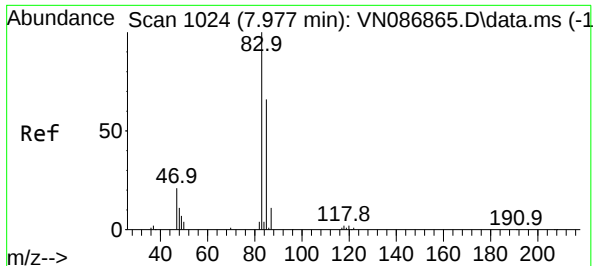
Ion Ratio Lower Upper

96 100

61 182.9 0.0 278.0

98 92.4 0.0 128.2





#30

Chloroform

Concen: 0.580 ug/l

RT: 7.983 min Scan# 1025

Delta R.T. 0.006 min

Lab File: VN087069.D

Acq: 17 Jun 2025 18:39

Instrument :

MSVOA_N

ClientSampleId :

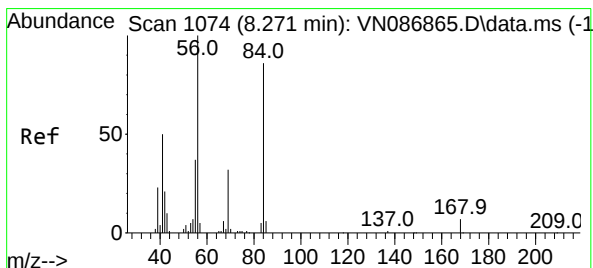
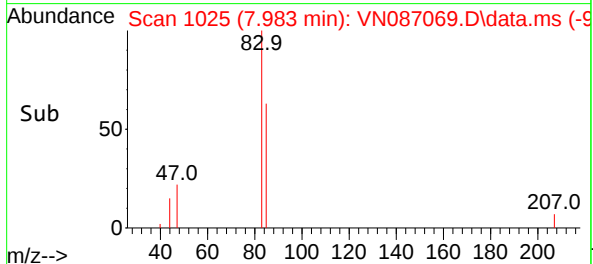
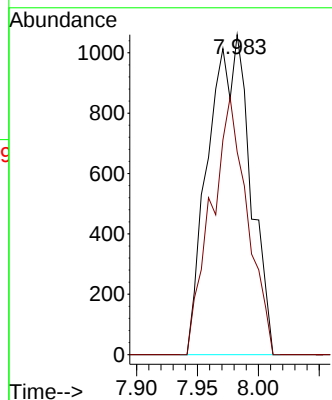
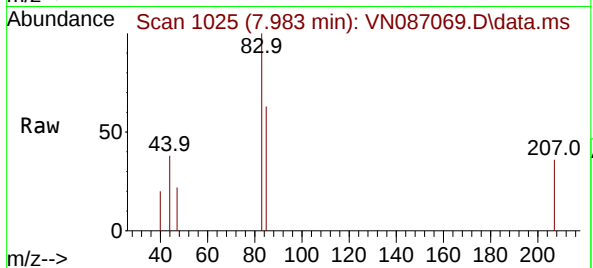
TT191D1-20250609

Tgt Ion: 83 Resp: 2534

Ion Ratio Lower Upper

83 100

85 63.4 52.9 79.3



#31

Cyclohexane

Concen: 0.796 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.041 min

Lab File: VN087069.D

Acq: 17 Jun 2025 18:39

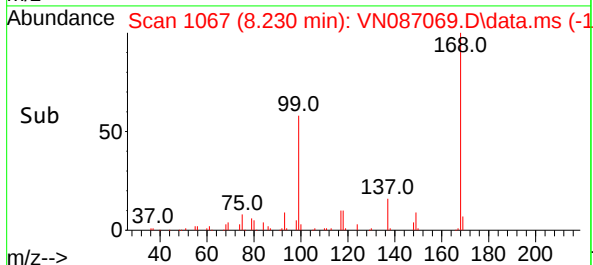
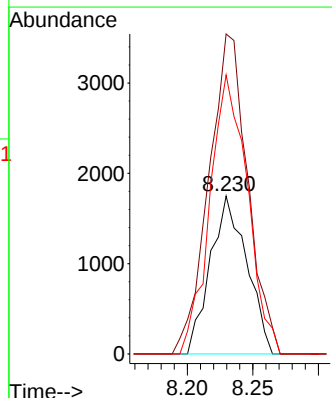
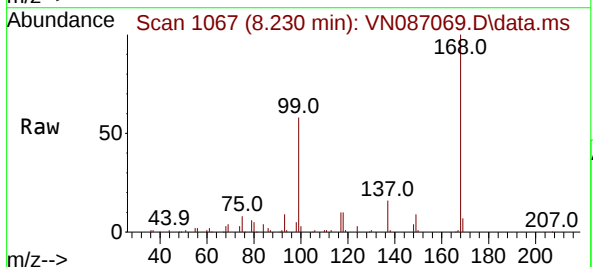
Tgt Ion: 56 Resp: 3378

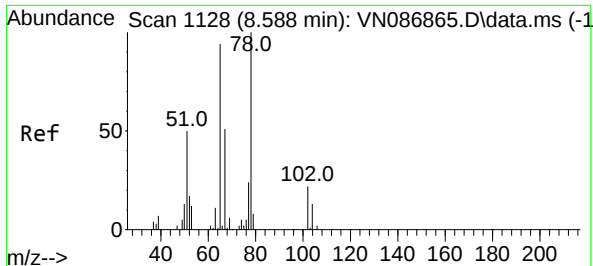
Ion Ratio Lower Upper

56 100

69 202.6 25.4 38.0#

84 176.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 55.306 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087069.D

Acq: 17 Jun 2025 18:39

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ClientSampleId :

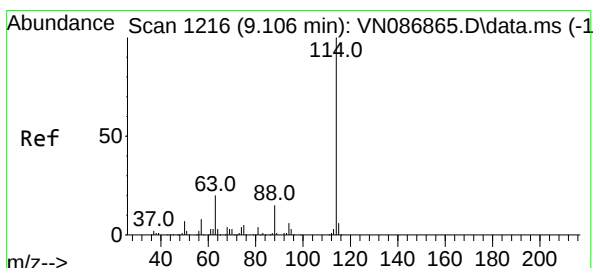
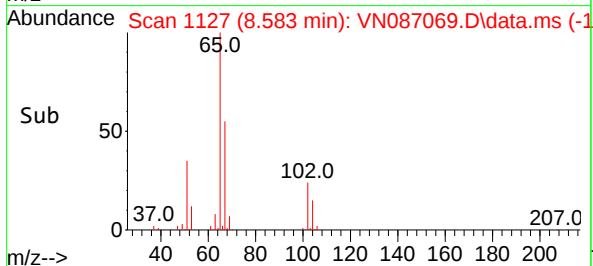
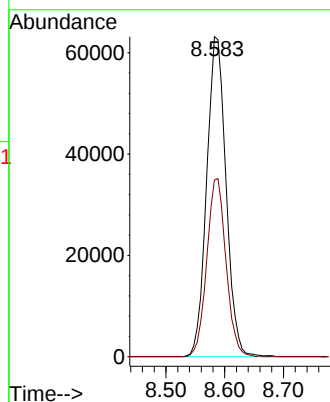
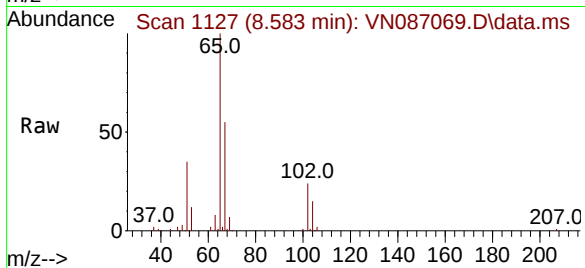
TT191D1-20250609

Tgt Ion: 65 Resp: 144743

Ion Ratio Lower Upper

65 100

67 55.2 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: VN087069.D

Acq: 17 Jun 2025 18:39

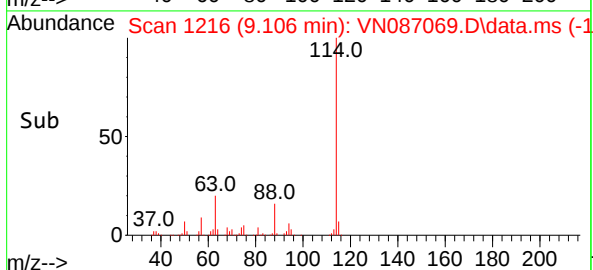
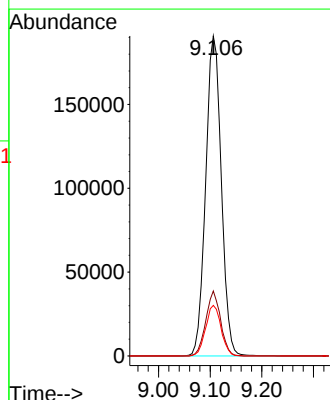
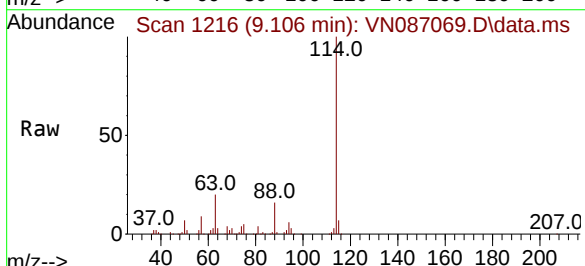
Tgt Ion: 114 Resp: 400684

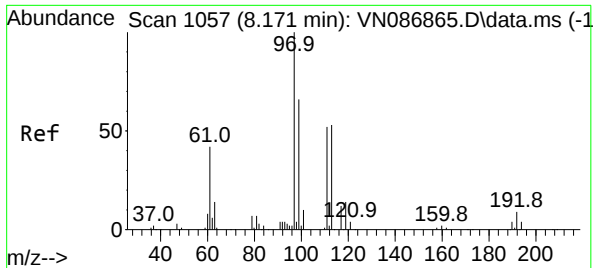
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 15.8 0.0 30.2

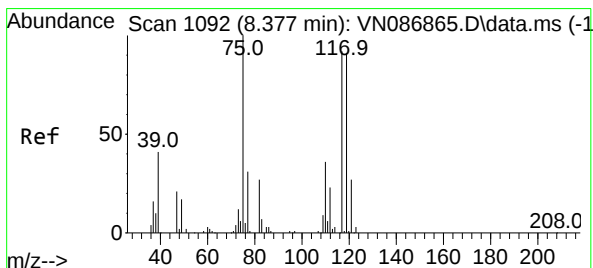
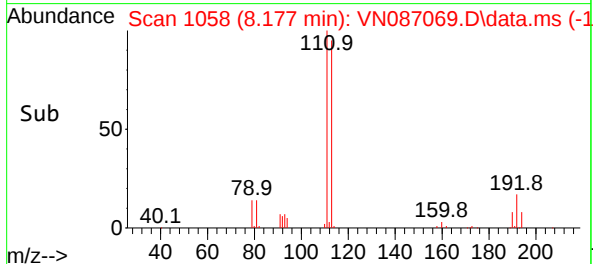
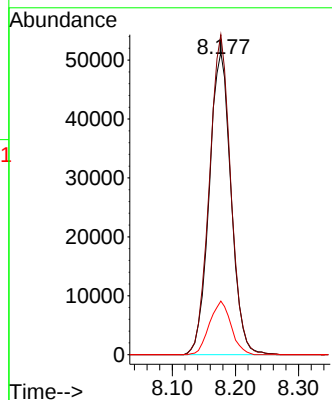
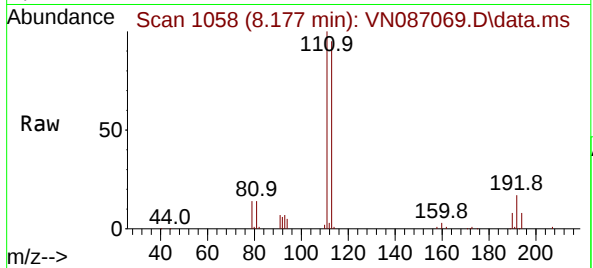




#35
Dibromofluoromethane
Concen: 51.789 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

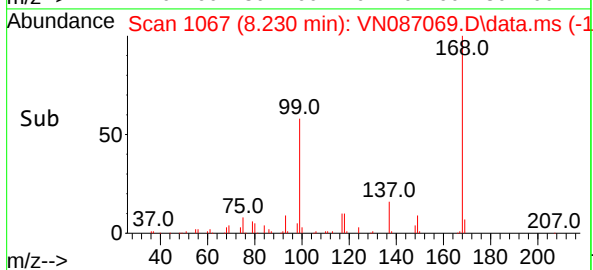
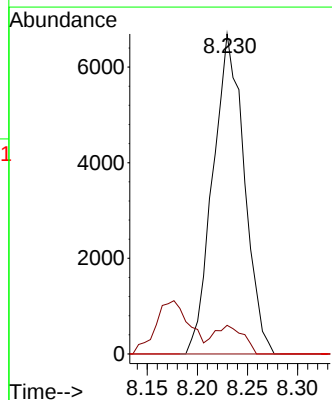
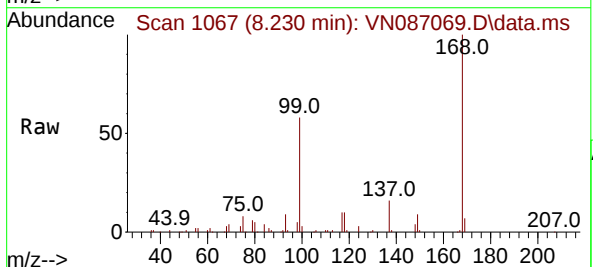
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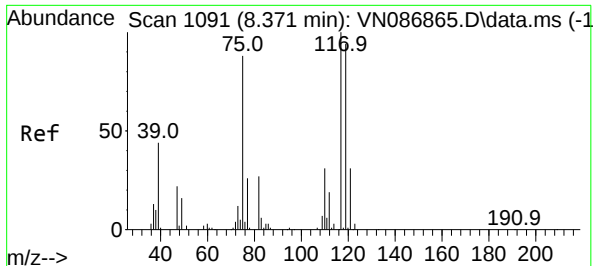
Tgt Ion:113 Resp: 122976
Ion Ratio Lower Upper
113 100
111 103.9 84.2 126.2
192 17.5 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.119 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

Tgt Ion: 75 Resp: 14576
Ion Ratio Lower Upper
75 100
110 8.4 17.6 52.9#
77 0.0 25.3 37.9#

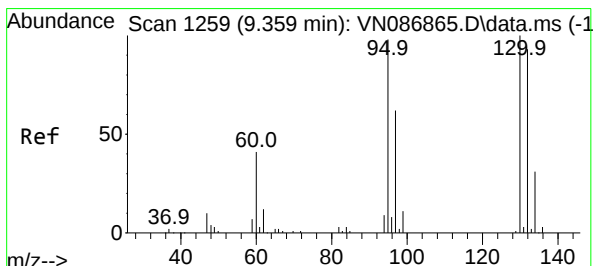
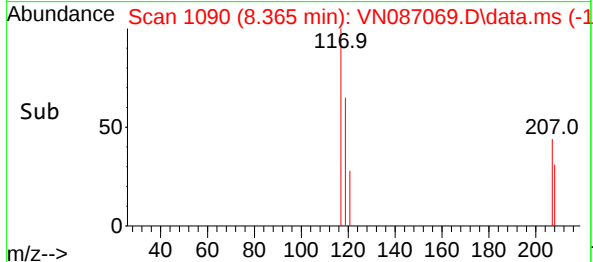
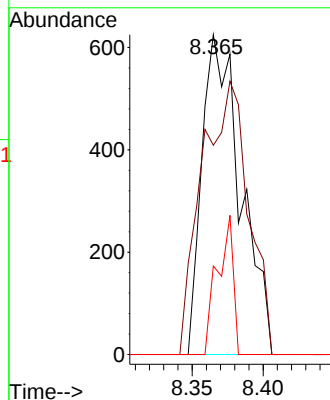
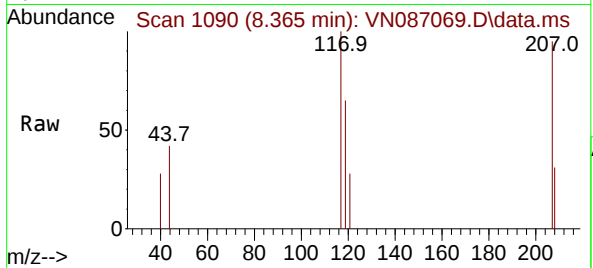




#38
Carbon Tetrachloride
Concen: 0.341 ug/l
RT: 8.365 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

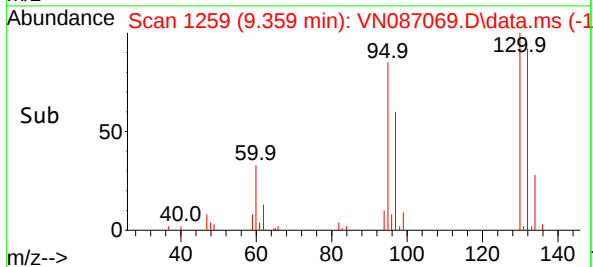
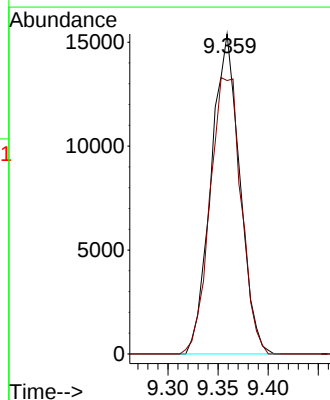
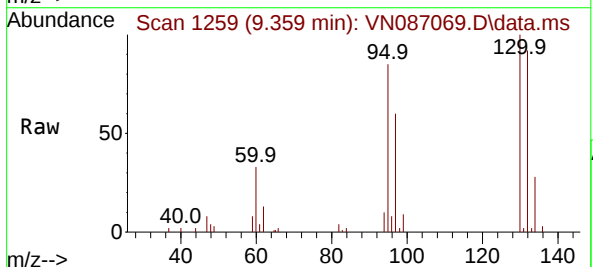
Instrument :
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TT191D1-20250609

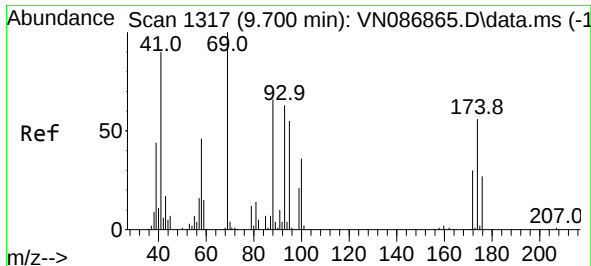
Tgt Ion:117 Resp: 1185
Ion Ratio Lower Upper
117 100
119 65.4 75.0 112.6#
121 27.7 24.9 37.3



#44
Trichloroethene
Concen: 11.140 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

Tgt Ion:130 Resp: 30562
Ion Ratio Lower Upper
130 100
95 85.5 0.0 196.2





#49

1,4-Dioxane

Concen: 3.420 ug/l

RT: 9.712 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN087069.D

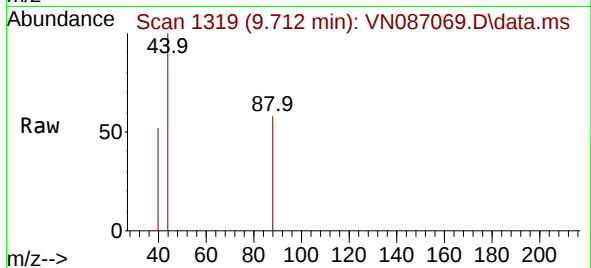
Acq: 17 Jun 2025 18:39

Instrument :

MSVOA_N

ClientSampleId :

TT191D1-20250609



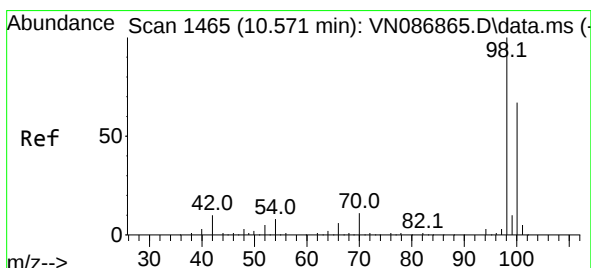
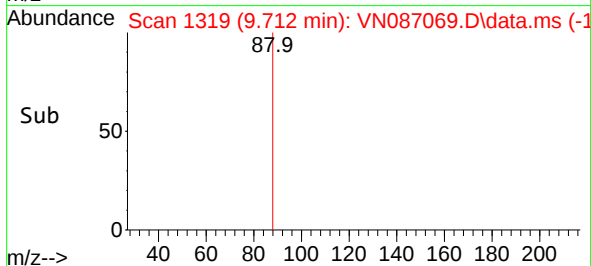
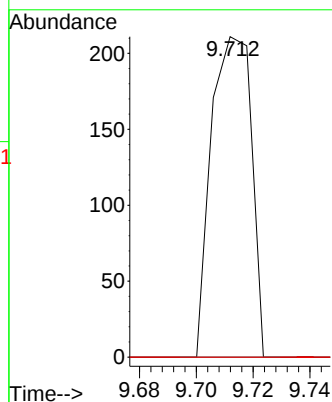
Tgt Ion: 88 Resp: 207

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 57.7 86.5#



#50

Toluene-d8

Concen: 52.186 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN087069.D

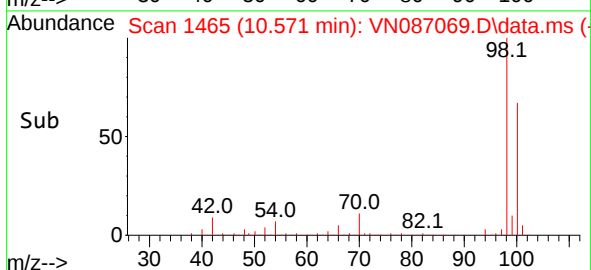
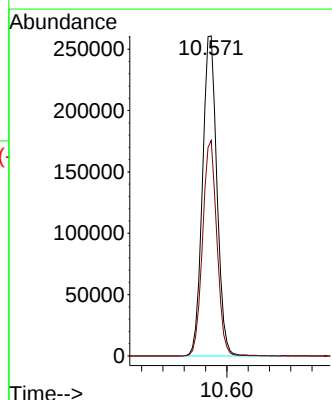
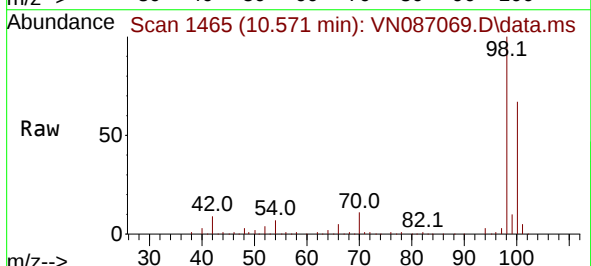
Acq: 17 Jun 2025 18:39

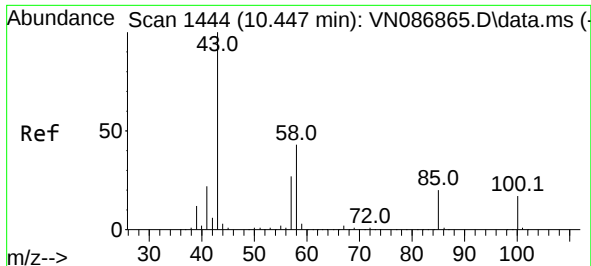
Tgt Ion: 98 Resp: 490560

Ion Ratio Lower Upper

98 100

100 66.4 53.4 80.0

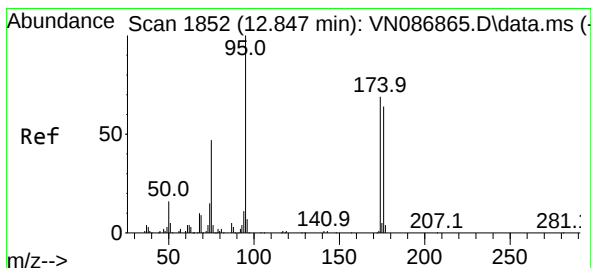
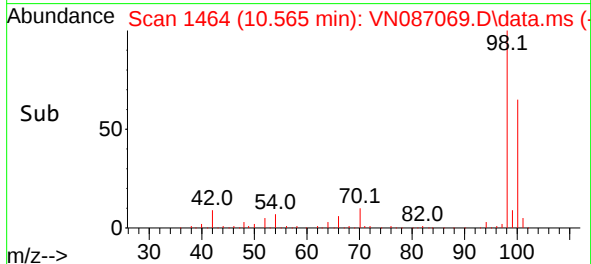
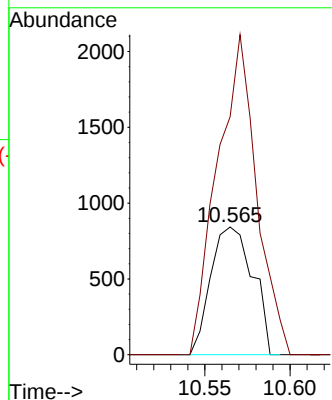
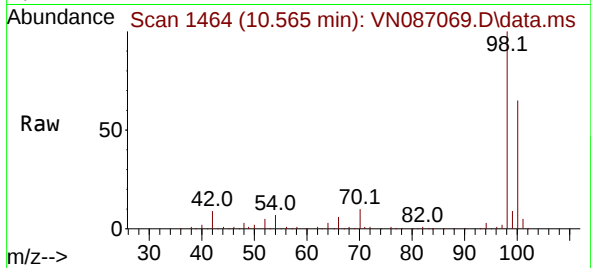




#51
4-Methyl-2-Pentanone
Concen: 0.332 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

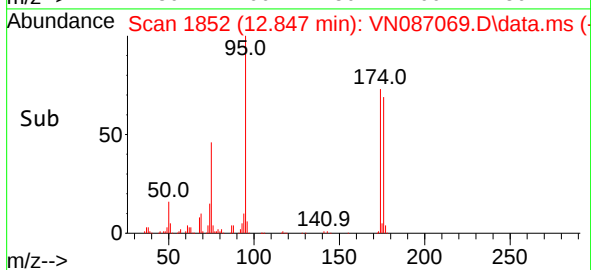
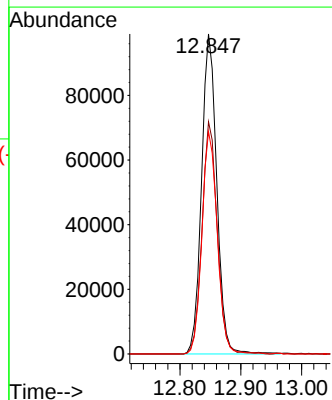
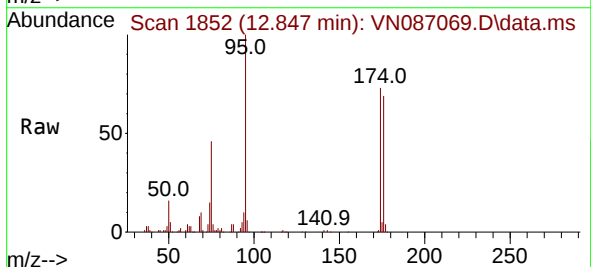
Instrument :
MSVOA_N
ClientSampleId :
TT191D1-20250609

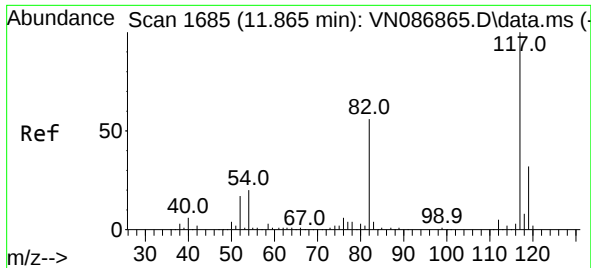
Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
58 233.2 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 49.113 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

Tgt Ion: 95 Resp: 171525
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.8
176 70.2 0.0 132.6

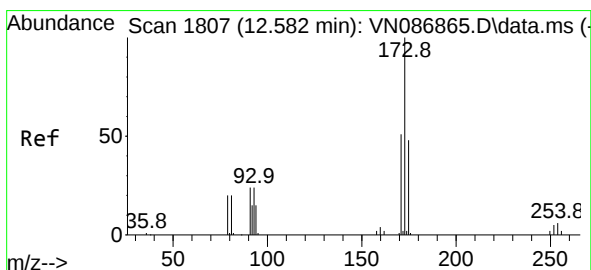
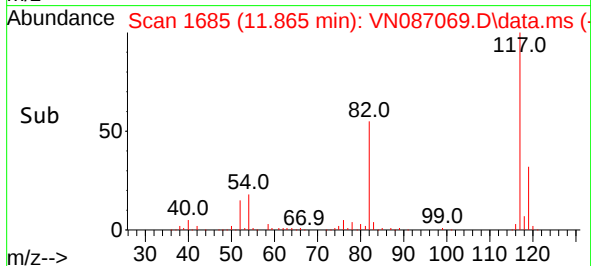
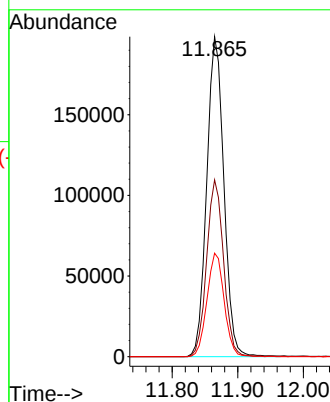
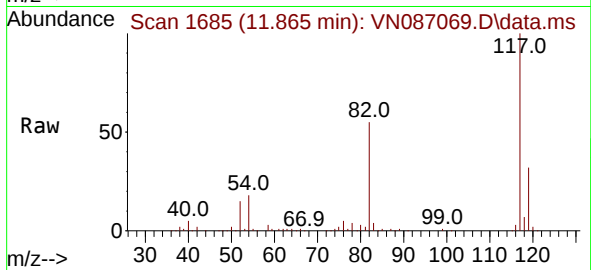




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

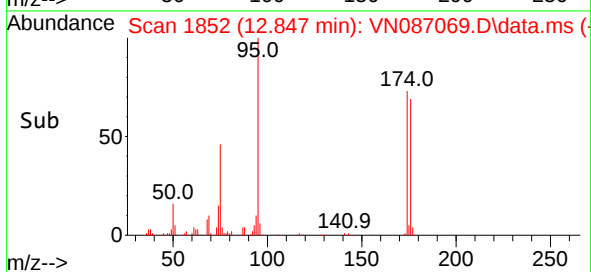
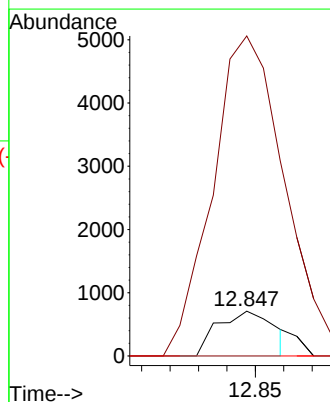
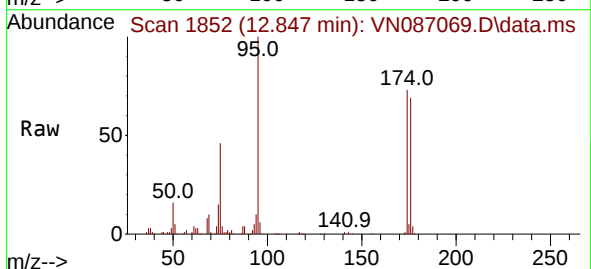
Instrument :
MSVOA_N
ClientSampleId :
TT191D1-20250609

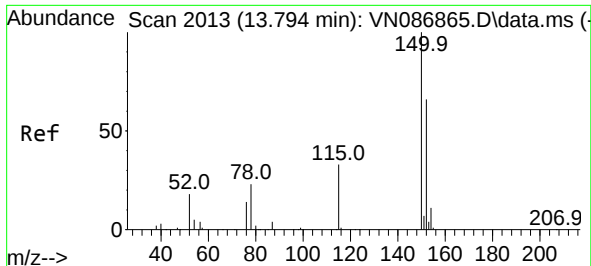
Tgt Ion:117 Resp: 360806
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 32.3 25.5 38.3



#71
Bromoform
Concen: 0.514 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN087069.D
Acq: 17 Jun 2025 18:39

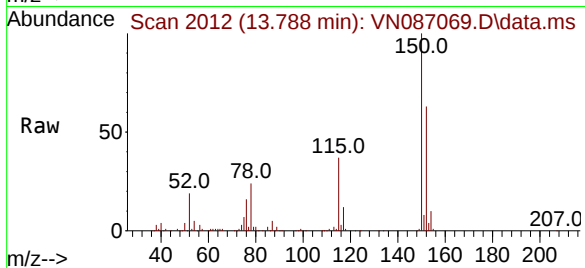
Tgt Ion:173 Resp: 975
Ion Ratio Lower Upper
173 100
175 796.3 24.1 72.4#
254 0.0 0.0 0.0



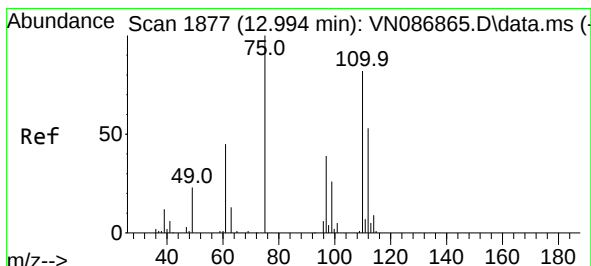
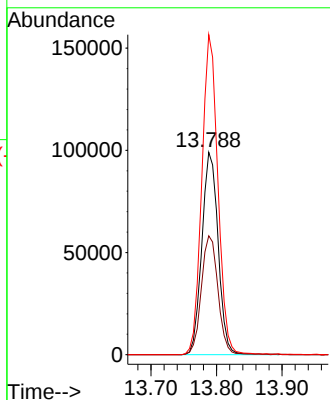
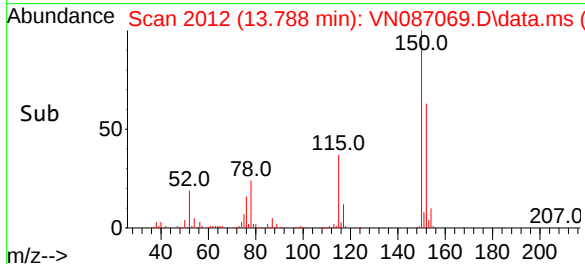


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087069.D
 Acq: 17 Jun 2025 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D1-20250609

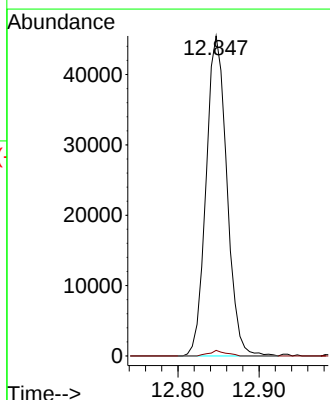
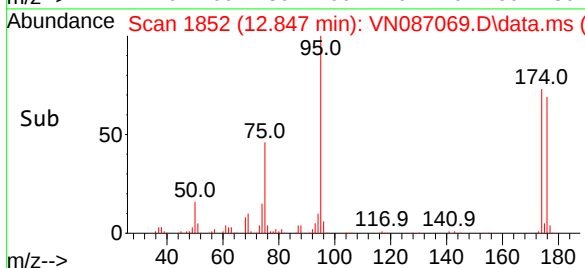
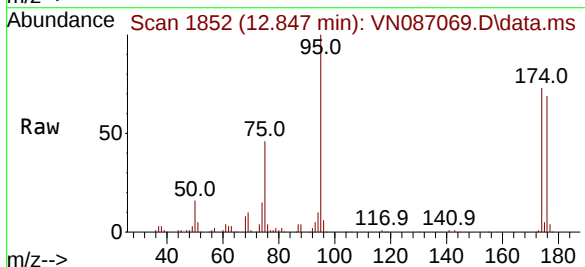


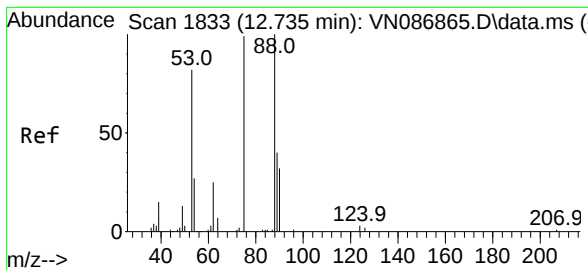
Tgt Ion:152 Resp: 171664
 Ion Ratio Lower Upper
 152 100
 115 60.0 30.1 90.5
 150 156.2 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.820 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087069.D
 Acq: 17 Jun 2025 18:39

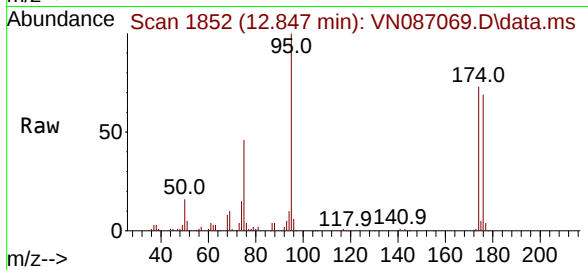
Tgt Ion: 75 Resp: 80875
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.624 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087069.D
 Acq: 17 Jun 2025 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D1-20250609



Tgt Ion: 75 Resp: 80875
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

