

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070825\
 Data File : VN087296.D
 Acq On : 08 Jul 2025 13:57
 Operator : JC\MD
 Sample : VN0708MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708MBL01

Quant Time: Jul 09 01:31:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

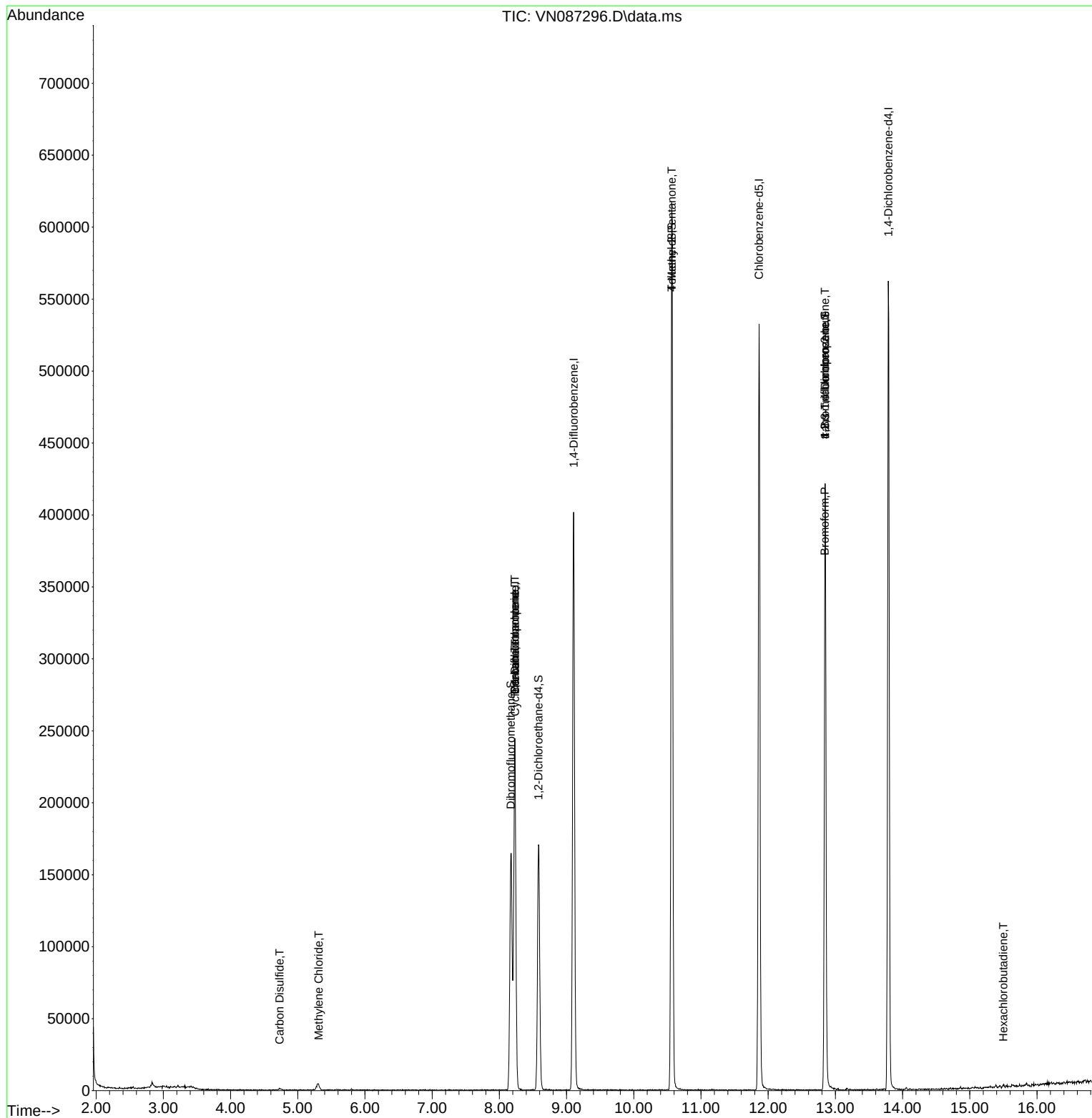
Internal Standards						
1) Pentafluorobenzene	8.230	168	189500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	368578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	328742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	165668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143614	60.384	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.760%	
35) Dibromofluoromethane	8.171	113	124375	52.701	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.400%	
50) Toluene-d8	10.565	98	441625	48.008	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.020%	
62) 4-Bromofluorobenzene	12.847	95	144590	44.176	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.360%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.730	76	1674	0.317	ug/l #	60
20) Methylene Chloride	5.312	84	3679	1.826	ug/l #	79
31) Cyclohexane	8.235	56	3771	1.164	ug/l #	27
36) 1,1-Dichloropropene	8.230	75	13382	4.170	ug/l #	48
38) Carbon Tetrachloride	8.230	117	18938	5.208	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	1716	0.524	ug/l #	1
71) Bromoform	12.841	173	788	0.401	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	74188	23.543	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74188	55.301	ug/l #	14
94) Hexachlorobutadiene	15.500	225	323	0.331	ug/l	89

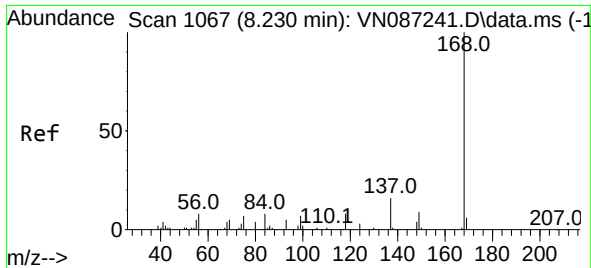
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 09 01:31:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
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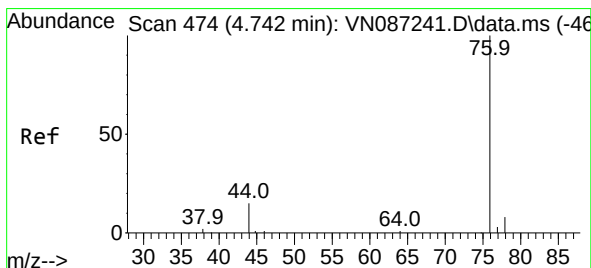
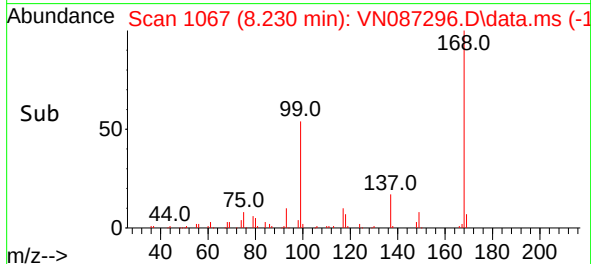
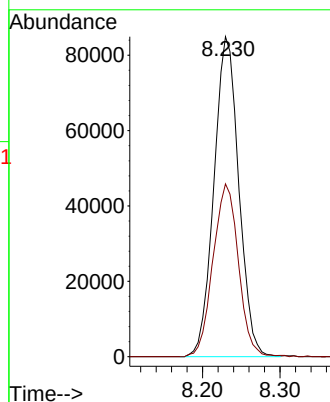
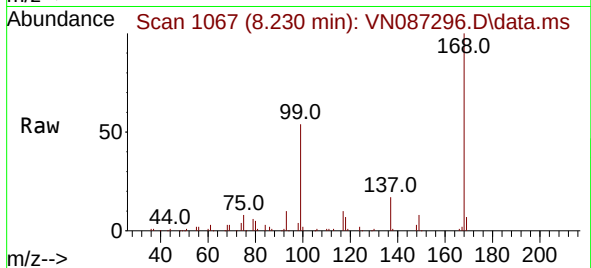




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087296.D
Acq: 08 Jul 2025 13:57

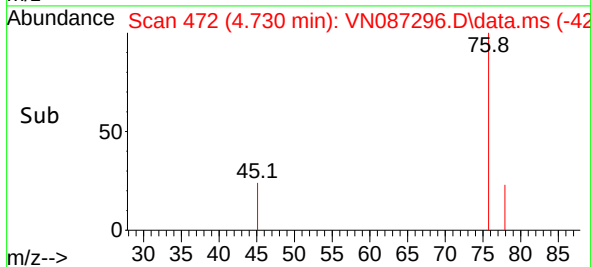
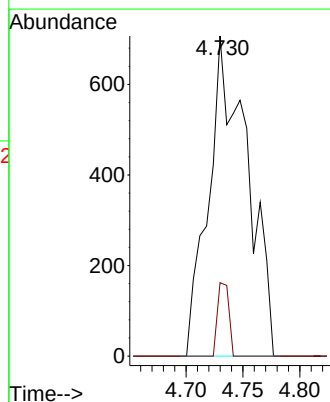
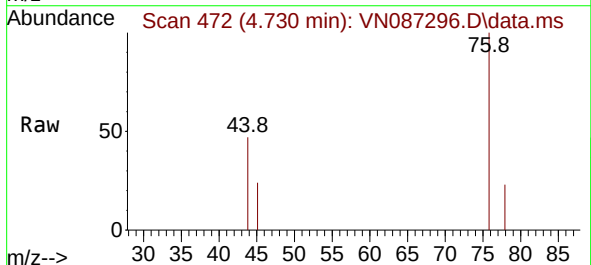
Instrument :
MSVOA_N
ClientSampleId :
VN0708MBL01

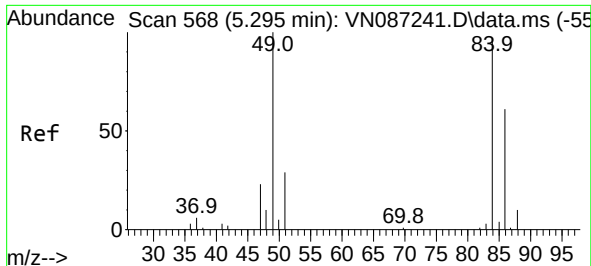
Tgt Ion:168 Resp: 189500
Ion Ratio Lower Upper
168 100
99 54.0 42.6 64.0



#17
Carbon Disulfide
Concen: 0.317 ug/l
RT: 4.730 min Scan# 472
Delta R.T. -0.012 min
Lab File: VN087296.D
Acq: 08 Jul 2025 13:57

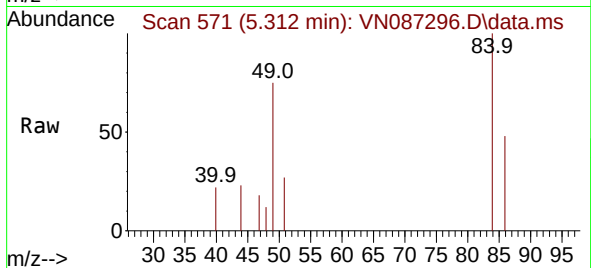
Tgt Ion: 76 Resp: 1674
Ion Ratio Lower Upper
76 100
78 22.9 6.8 10.2#



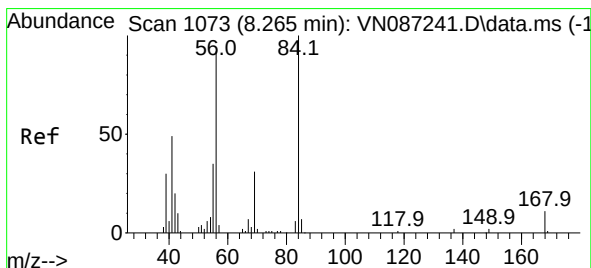
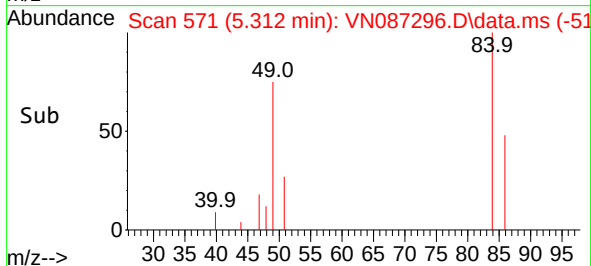
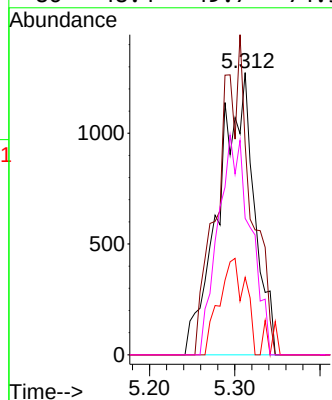


#20
Methylene Chloride
Concen: 1.826 ug/l
RT: 5.312 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN087296.D
Acq: 08 Jul 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0708MBL01

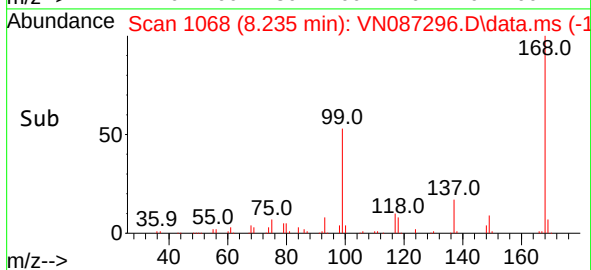
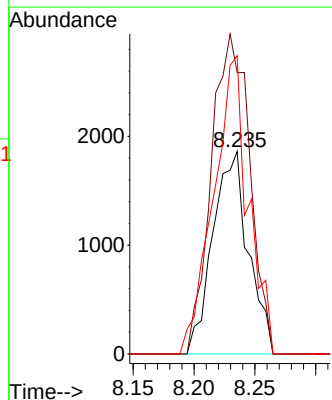
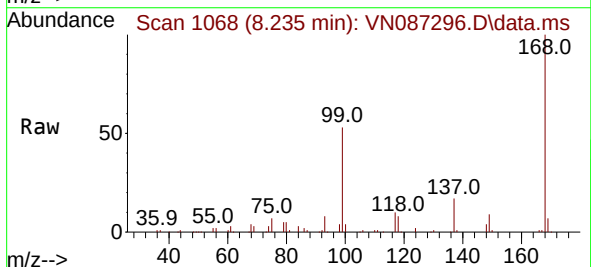


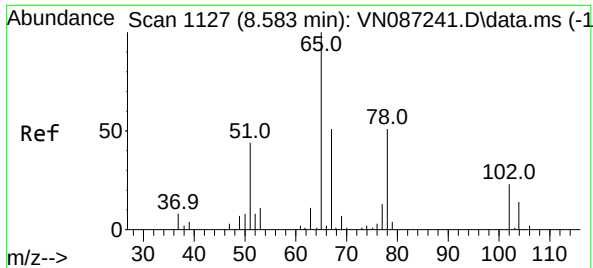
Tgt Ion:	84	Resp:	3679
Ion	Ratio	Lower	Upper
84	100		
49	74.6	82.1	123.1#
51	27.4	23.5	35.3
86	48.4	49.7	74.5#



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN087296.D
Acq: 08 Jul 2025 13:57

Tgt Ion:	56	Resp:	3771
Ion	Ratio	Lower	Upper
56	100		
69	138.9	27.0	40.6#
84	147.3	86.2	129.4#

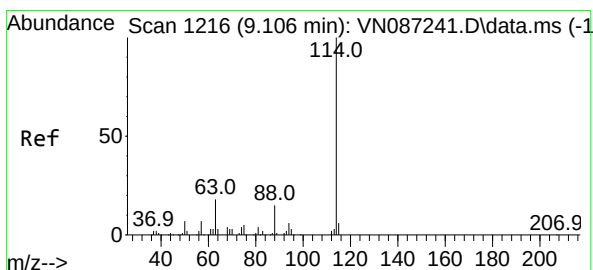
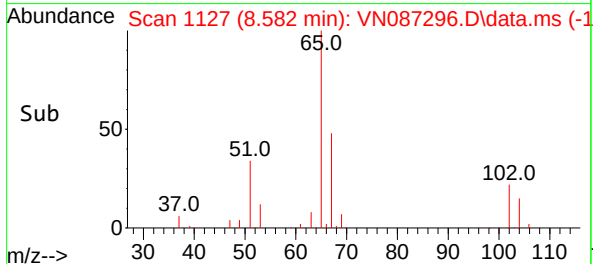
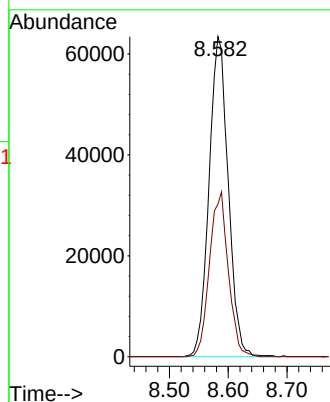
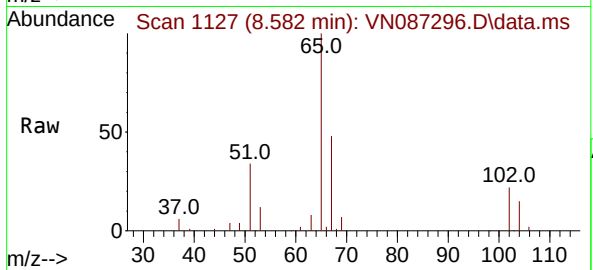




#33
 1,2-Dichloroethane-d4
 Concen: 60.384 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VN087296.D
 Acq: 08 Jul 2025 13:57

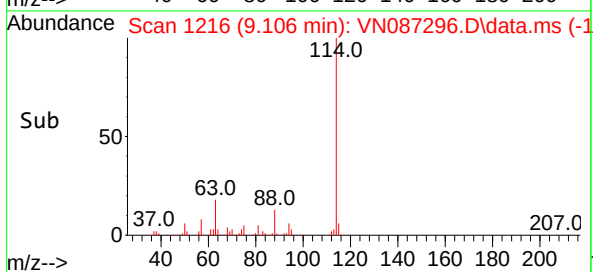
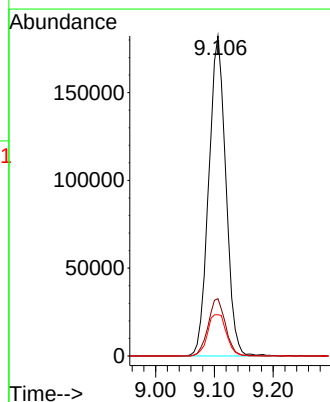
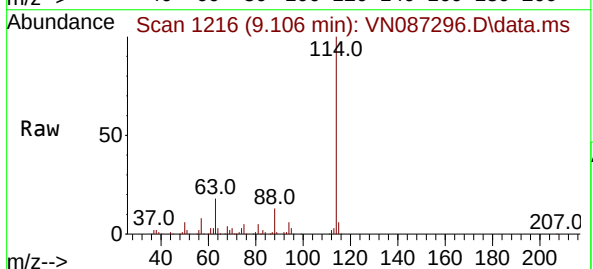
Instrument :
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 ClientSampleId :
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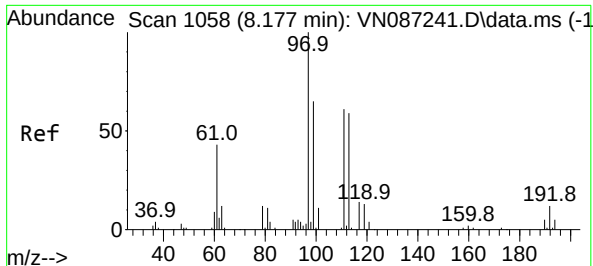
Tgt Ion: 65 Resp: 143614
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN087296.D
 Acq: 08 Jul 2025 13:57

Tgt Ion: 114 Resp: 368578
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.6
 88 12.9 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.701 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087296.D

Acq: 08 Jul 2025 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0708MBL01

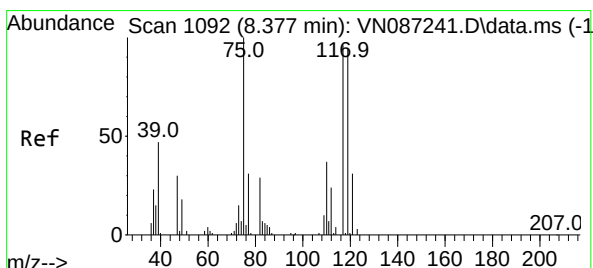
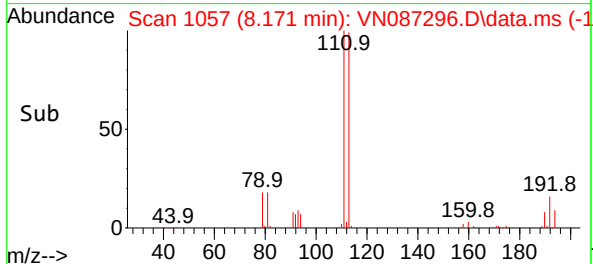
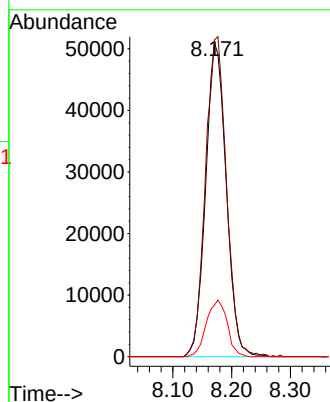
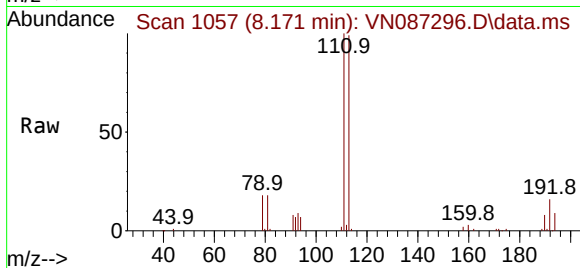
Tgt Ion:113 Resp: 124375

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.2

192 18.2 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.170 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087296.D

Acq: 08 Jul 2025 13:57

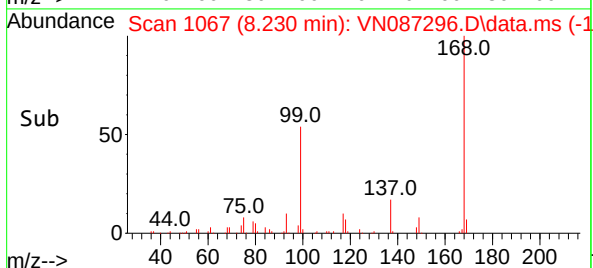
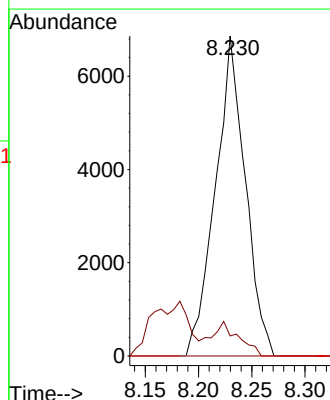
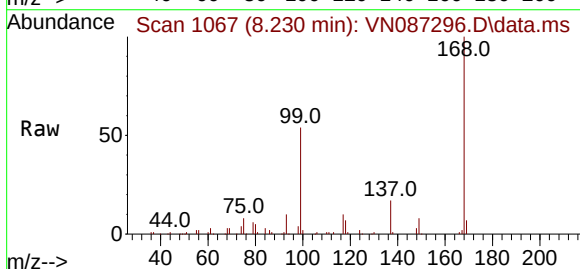
Tgt Ion: 75 Resp: 13382

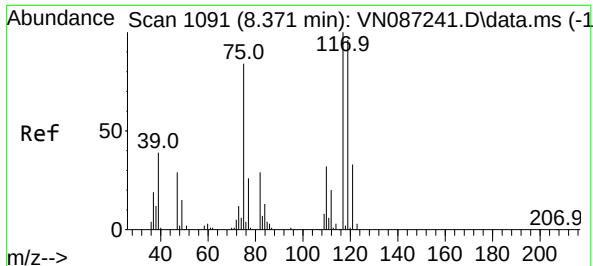
Ion Ratio Lower Upper

75 100

110 7.7 18.7 56.1#

77 0.0 24.5 36.7#

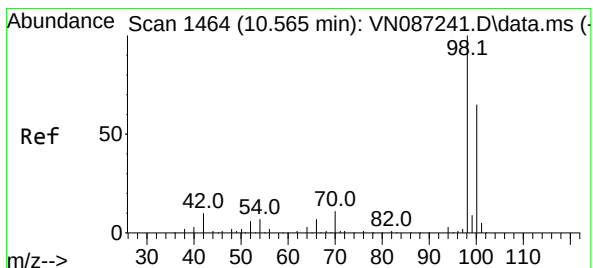
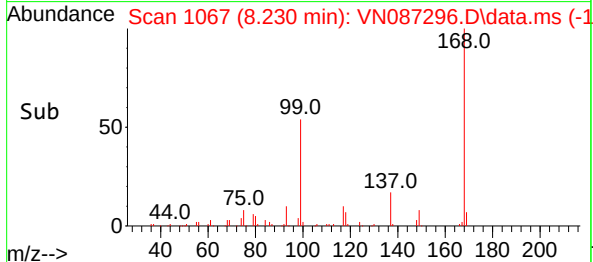
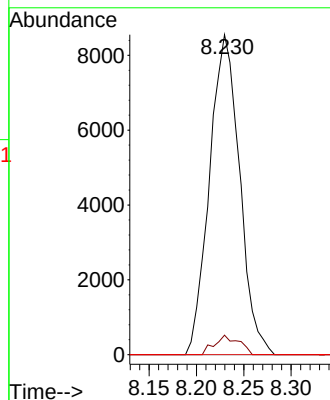
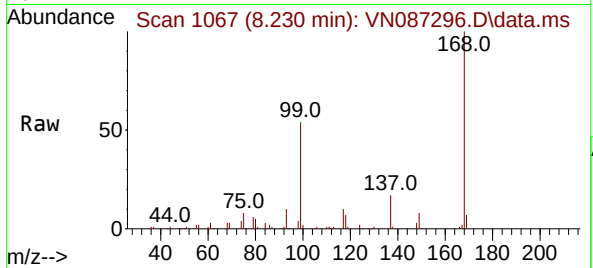




#38
Carbon Tetrachloride
Concen: 5.208 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087296.D
Acq: 08 Jul 2025 13:57

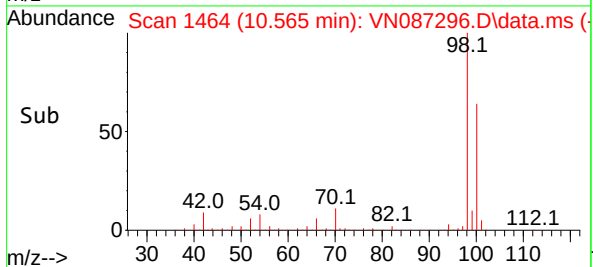
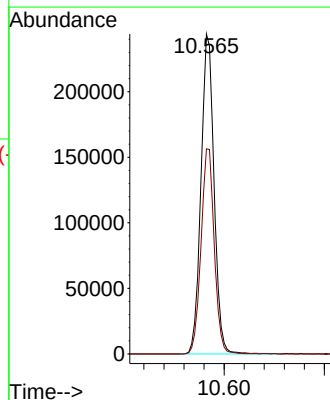
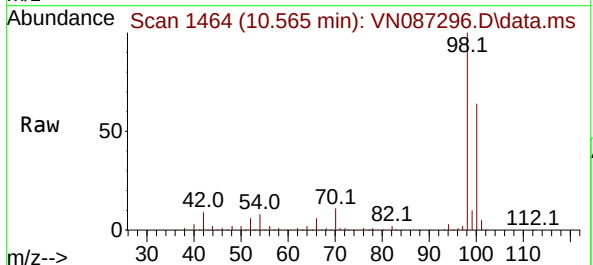
Instrument :
MSVOA_N
ClientSampleId :
VN0708MBL01

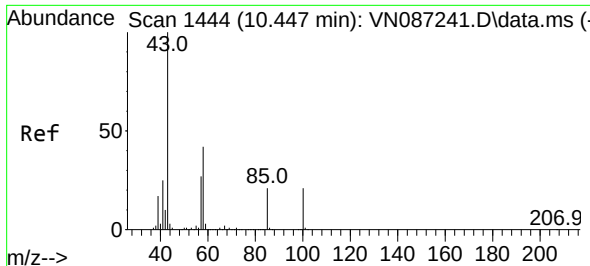
Tgt Ion:117 Resp: 18938
Ion Ratio Lower Upper
117 100
119 6.1 77.2 115.8#
121 0.0 26.6 39.8#



#50
Toluene-d8
Concen: 48.008 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087296.D
Acq: 08 Jul 2025 13:57

Tgt Ion: 98 Resp: 441625
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

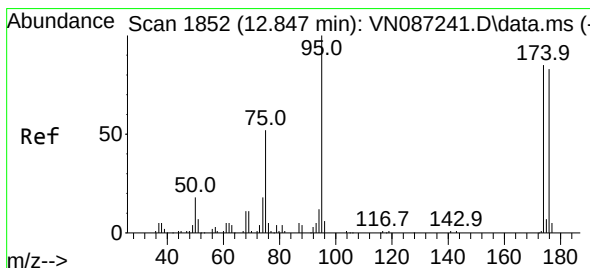
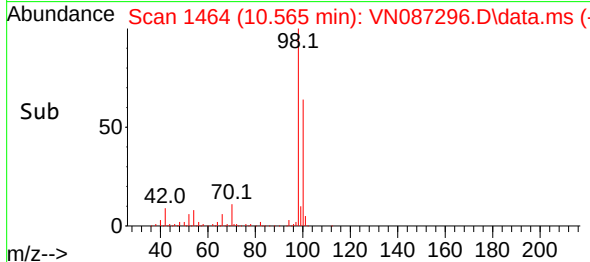
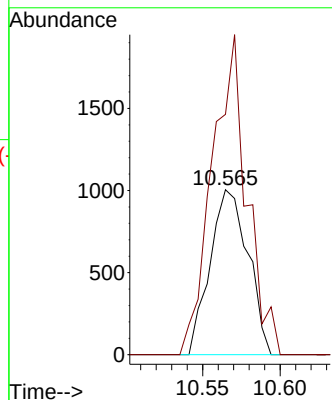
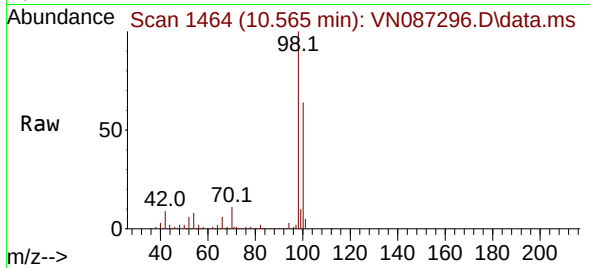




#51
 4-Methyl-2-Pentanone
 Concen: 0.524 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. 0.118 min
 Lab File: VN087296.D
 Acq: 08 Jul 2025 13:57

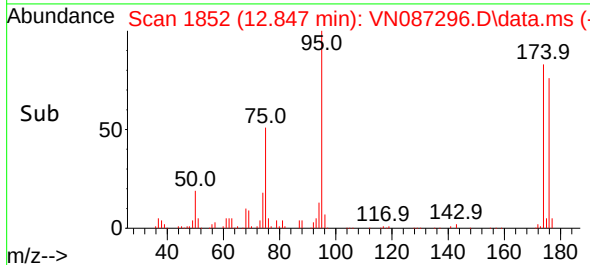
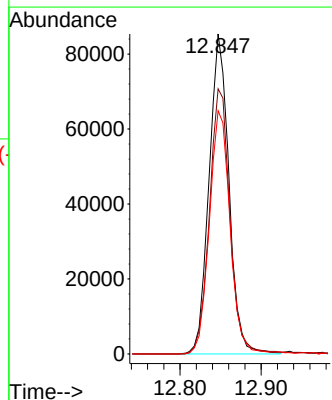
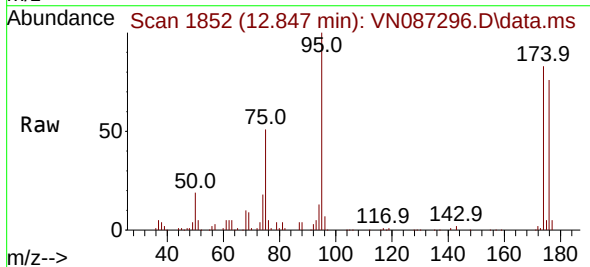
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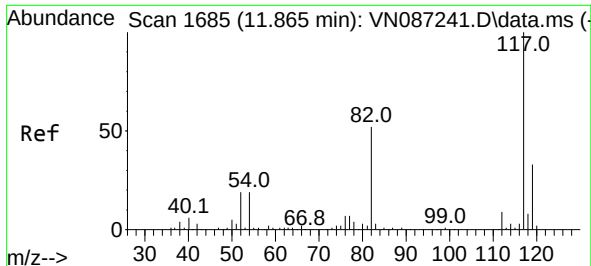
Tgt Ion: 43 Resp: 1716
 Ion Ratio Lower Upper
 43 100
 58 177.2 34.2 51.2#



#62
 4-Bromofluorobenzene
 Concen: 44.176 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN087296.D
 Acq: 08 Jul 2025 13:57

Tgt Ion: 95 Resp: 144590
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 169.6
 176 79.7 0.0 161.6

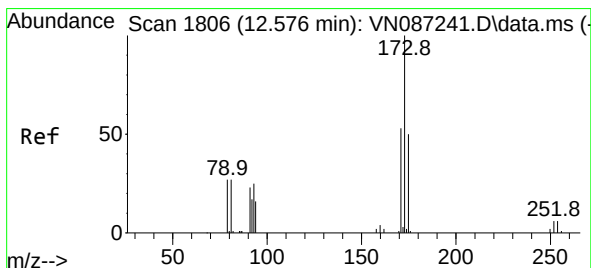
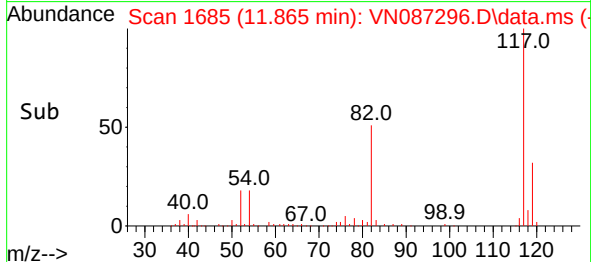
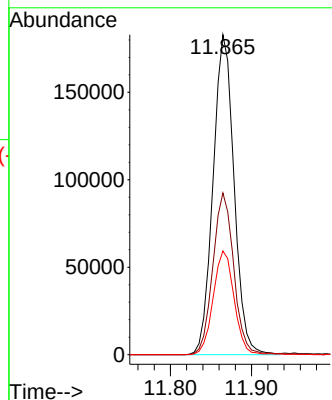
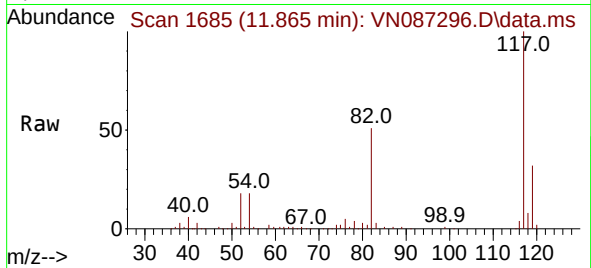




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087296.D
Acq: 08 Jul 2025 13:57

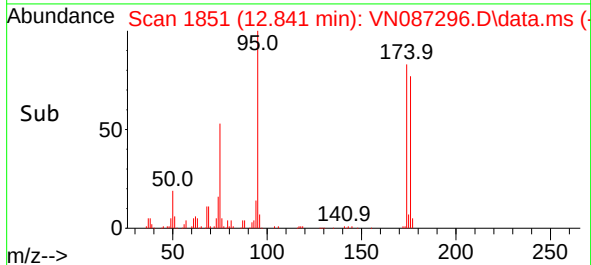
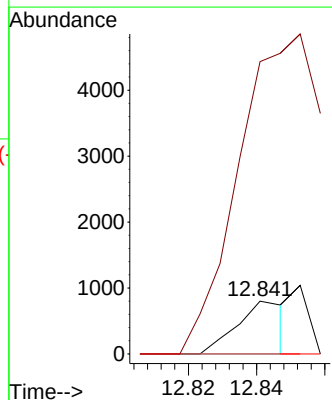
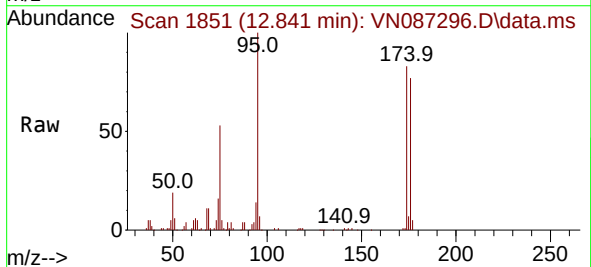
Instrument :
MSVOA_N
ClientSampleId :
VN0708MBL01

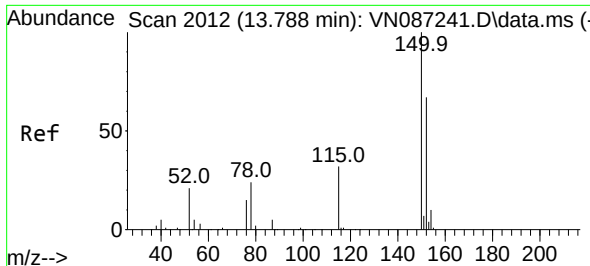
Tgt Ion:117 Resp: 328742
Ion Ratio Lower Upper
117 100
82 50.6 41.9 62.9
119 32.4 26.2 39.4



#71
Bromoform
Concen: 0.401 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN087296.D
Acq: 08 Jul 2025 13:57

Tgt Ion:173 Resp: 788
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.0 0.0

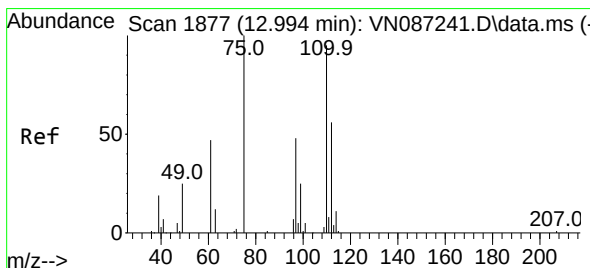
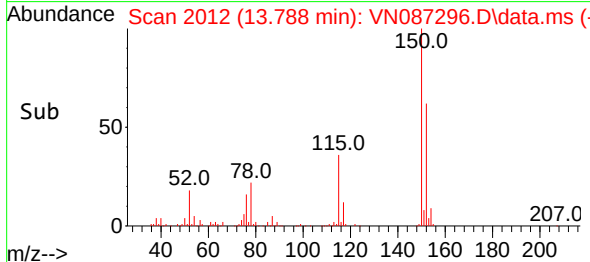
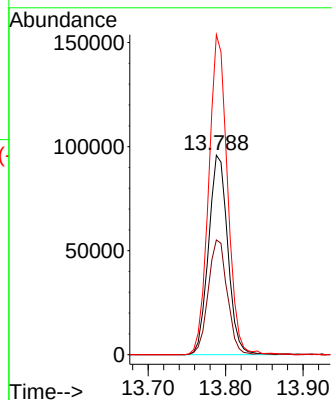
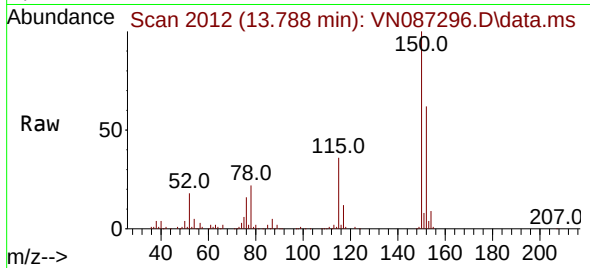




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN087296.D
 Acq: 08 Jul 2025 13:57

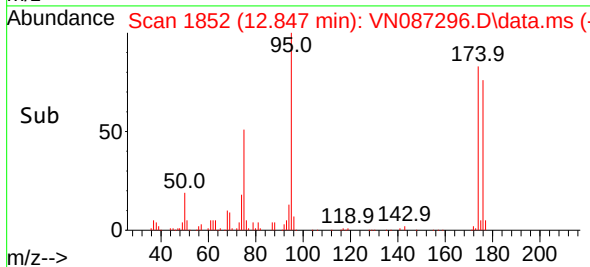
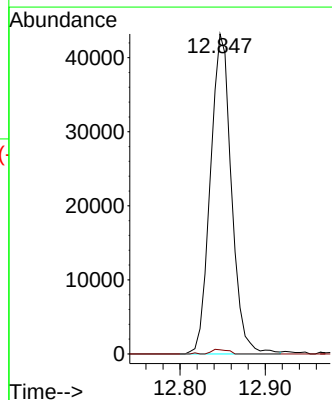
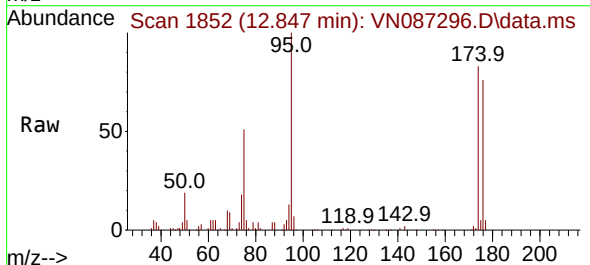
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708MBL01

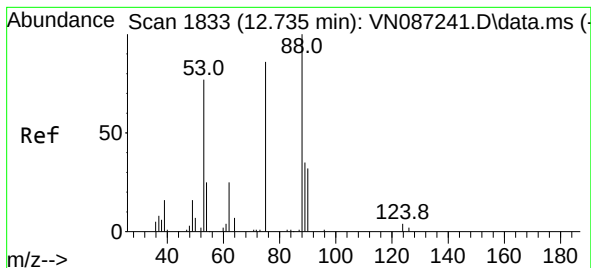
Tgt Ion:152 Resp: 165668
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.3 84.9
 150 156.3 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 23.543 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087296.D
 Acq: 08 Jul 2025 13:57

Tgt Ion: 75 Resp: 74188
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.0 245.8#

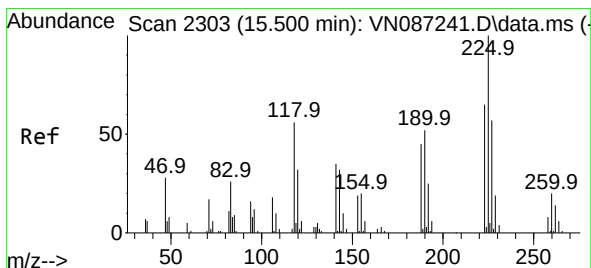
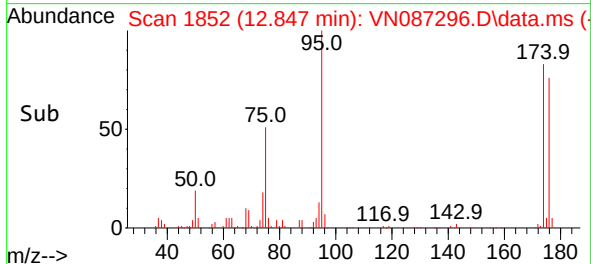
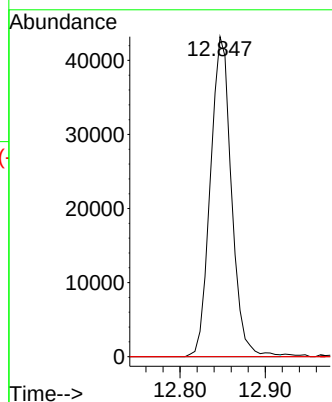
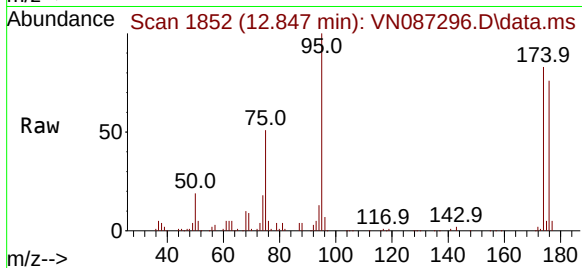




#81
trans-1,4-Dichloro-2-butene
Concen: 55.301 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN087296.D
Acq: 08 Jul 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0708MBL01

Tgt Ion: 75 Resp: 74188
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 36.1 54.1#



#94
Hexachlorobutadiene
Concen: 0.331 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN087296.D
Acq: 08 Jul 2025 13:57

Tgt Ion: 225 Resp: 323
Ion Ratio Lower Upper
225 100
223 65.6 33.5 100.4
227 45.5 30.9 92.7

