

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087182.D
 Acq On : 26 Jun 2025 10:25
 Operator : JC\MD
 Sample : VN0626WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBL01

Quant Time: Jun 27 01:21:30 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)

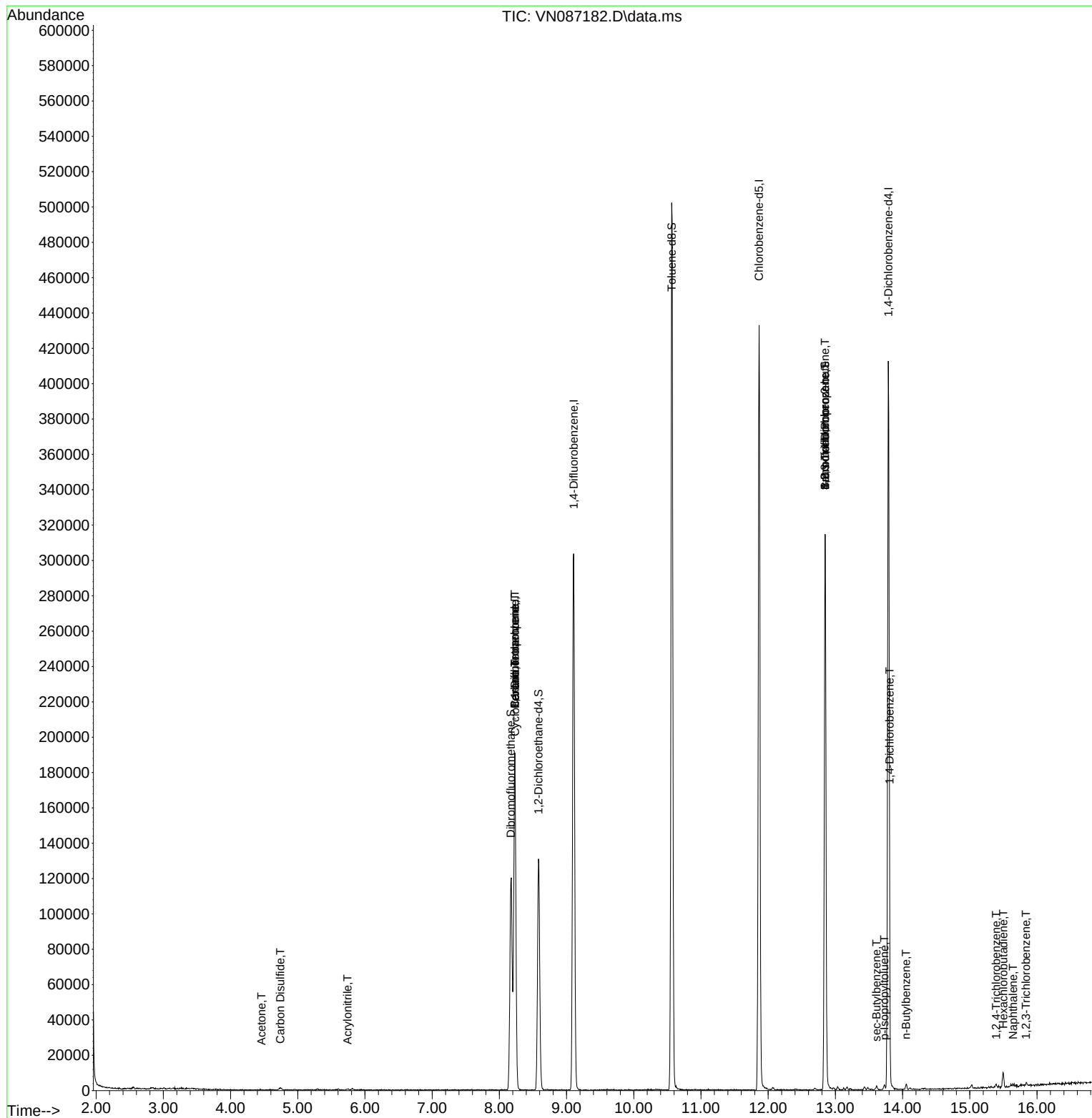
Internal Standards						
1) Pentafluorobenzene	8.230	168	142520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	275793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	108060	56.630	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.260%
35) Dibromofluoromethane	8.171	113	93357	57.120	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	114.240%
50) Toluene-d8	10.565	98	360201	55.671	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	111.340%
62) 4-Bromofluorobenzene	12.847	95	121369	50.489	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.980%
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.742	53	502	0.415	ug/l #	58
16) Acetone	4.459	43	412	0.407	ug/l #	40
17) Carbon Disulfide	4.742	76	2529	0.576	ug/l #	75
31) Cyclohexane	8.236	56	3325	1.074	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11765	4.831	ug/l #	47
38) Carbon Tetrachloride	8.230	117	14552	6.086	ug/l #	16
71) Bromoform	12.847	173	619	0.450	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	60762	21.713	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60762	49.981	ug/l #	16
85) sec-Butylbenzene	13.612	105	1916	0.204	ug/l #	78
86) p-Isopropyltoluene	13.729	119	1664	0.214	ug/l	89
88) 1,4-Dichlorobenzene	13.806	146	923	0.234	ug/l #	1
89) n-Butylbenzene	14.053	91	2247	0.298	ug/l	86
93) 1,2,4-Trichlorobenzene	15.394	180	731	0.308	ug/l #	67
94) Hexachlorobutadiene	15.500	225	1762	1.992	ug/l	84
95) Naphthalene	15.647	128	2190	0.248	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.835	180	805	0.341	ug/l #	84

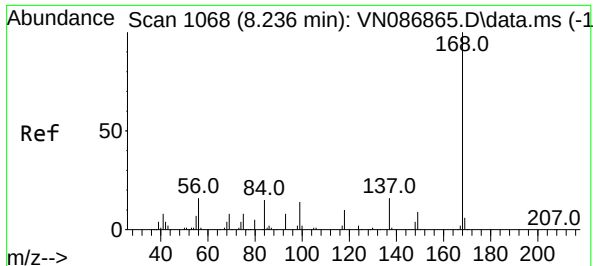
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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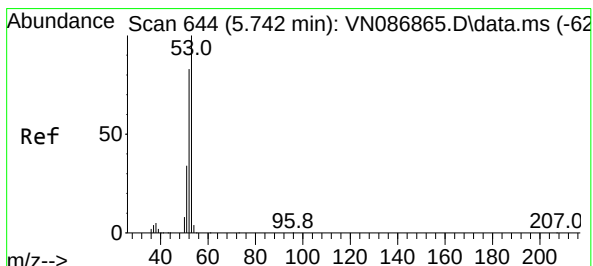
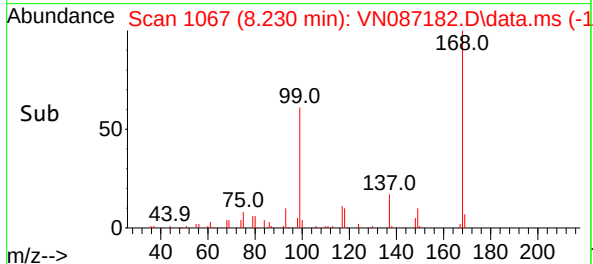
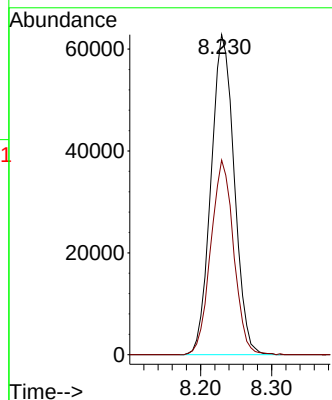
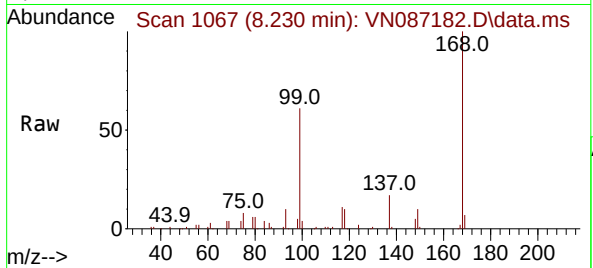




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

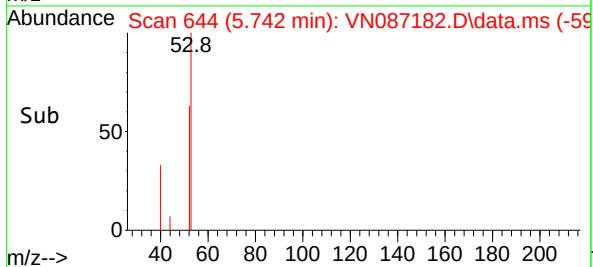
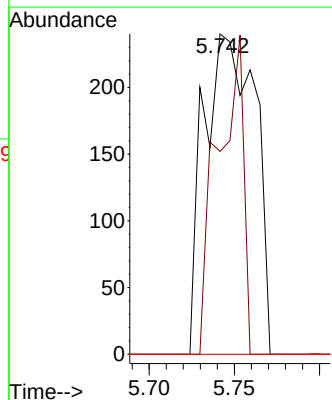
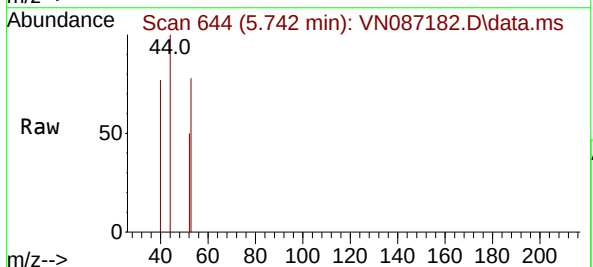
Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

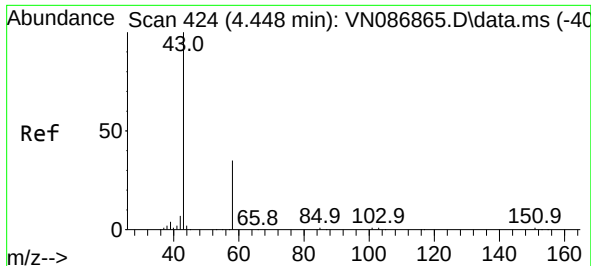
Tgt Ion:168 Resp: 142520
Ion Ratio Lower Upper
168 100
99 60.8 49.1 73.7



#15
Acrylonitrile
Concen: 0.415 ug/l
RT: 5.742 min Scan# 644
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion: 53 Resp: 502
Ion Ratio Lower Upper
53 100
52 50.0 65.0 97.6#
51 0.0 27.2 40.8#

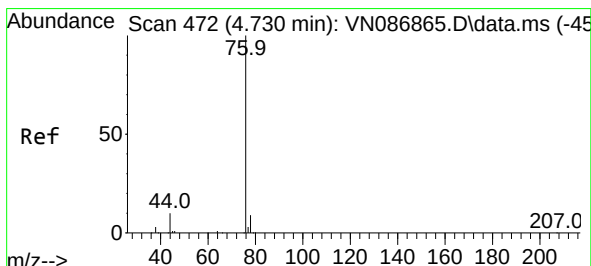
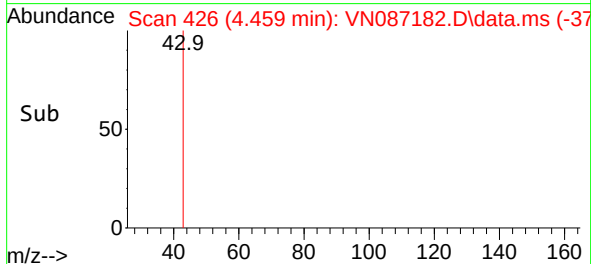
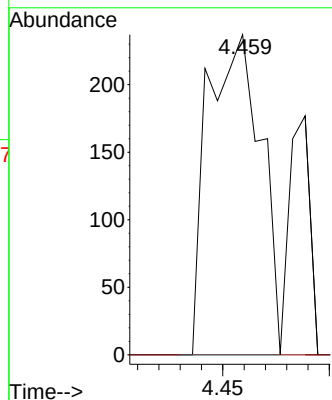
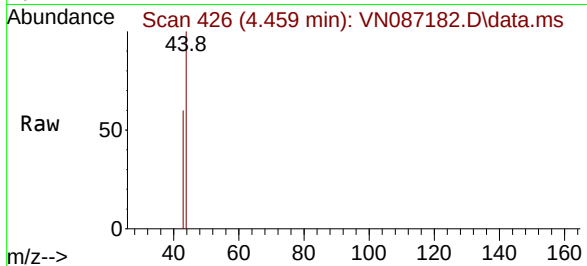




#16
Acetone
Concen: 0.407 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

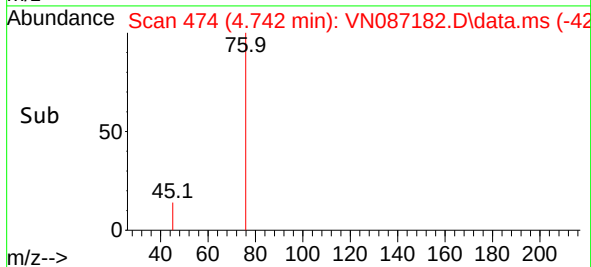
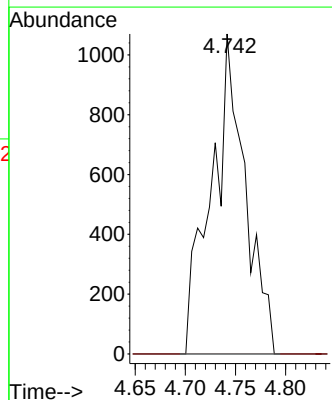
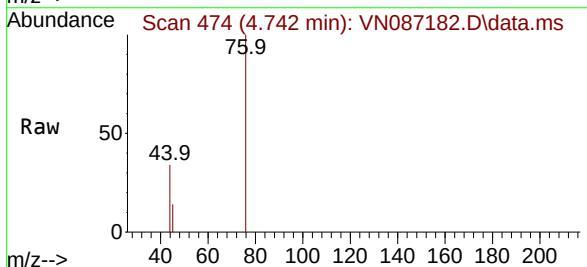
Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

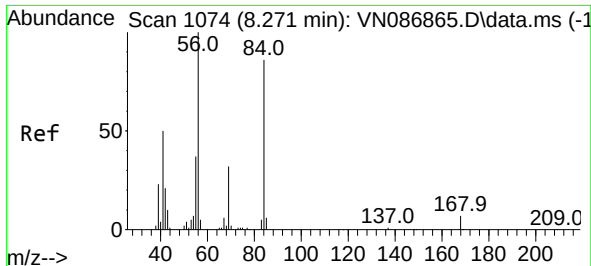
Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.576 ug/l
RT: 4.742 min Scan# 474
Delta R.T. 0.012 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion: 76 Resp: 2529
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

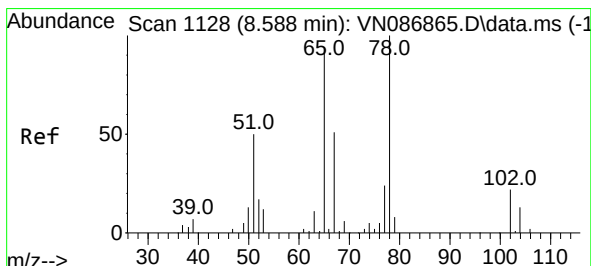
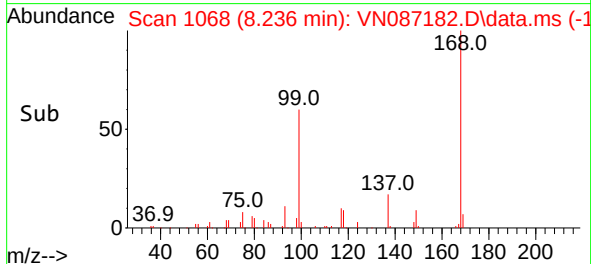
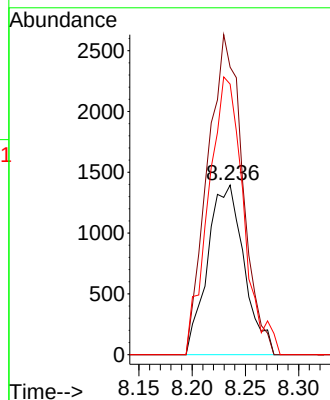
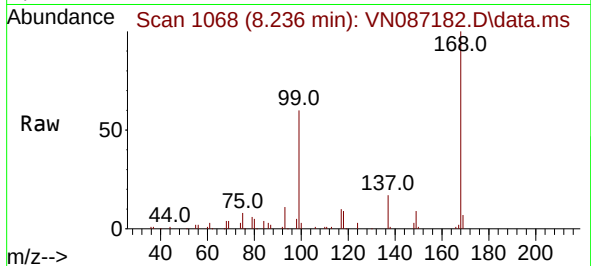




#31
Cyclohexane
Concen: 1.074 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

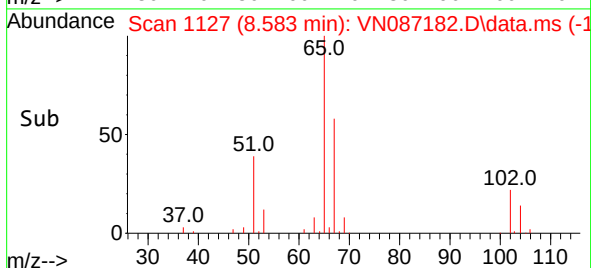
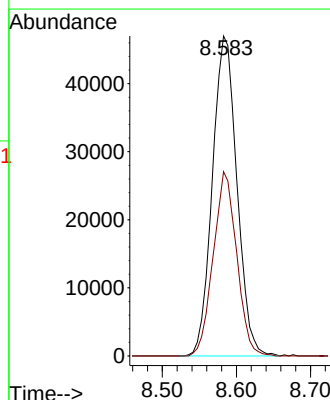
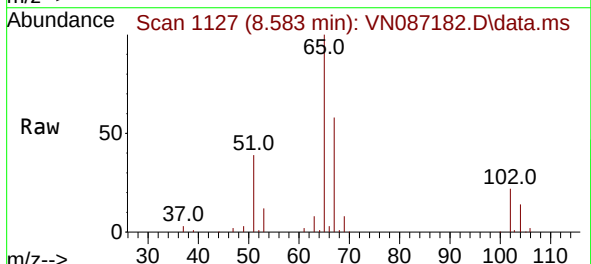
Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

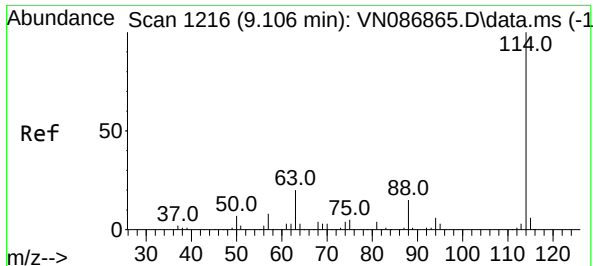
Tgt Ion: 56 Resp: 3325
Ion Ratio Lower Upper
56 100
69 169.5 25.4 38.0#
84 159.5 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 56.630 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion: 65 Resp: 108060
Ion Ratio Lower Upper
65 100
67 55.1 0.0 105.6

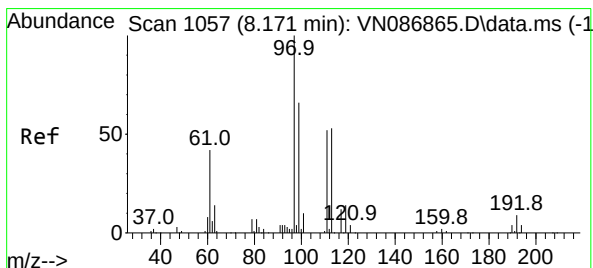
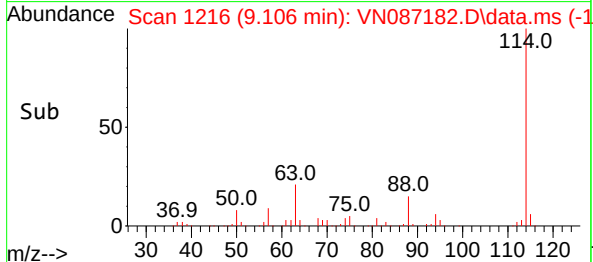
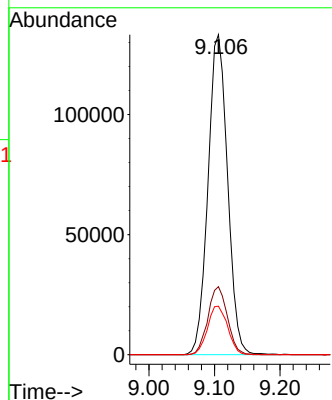
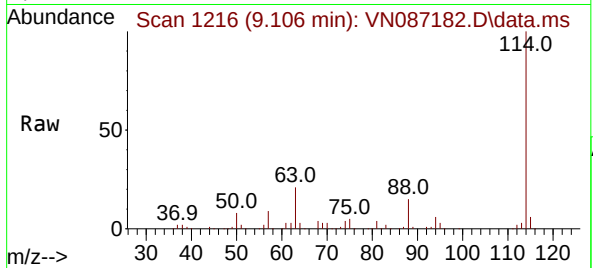




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

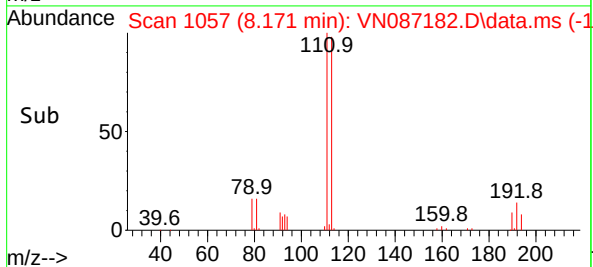
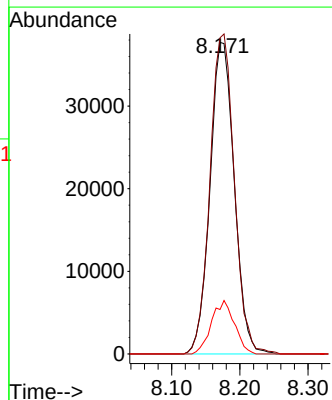
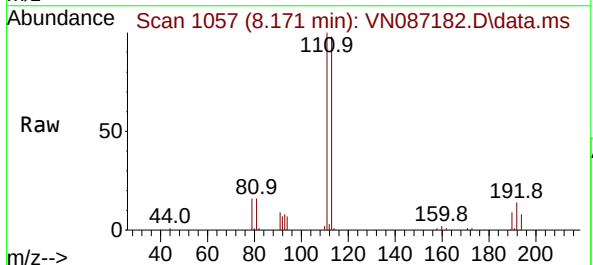
Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

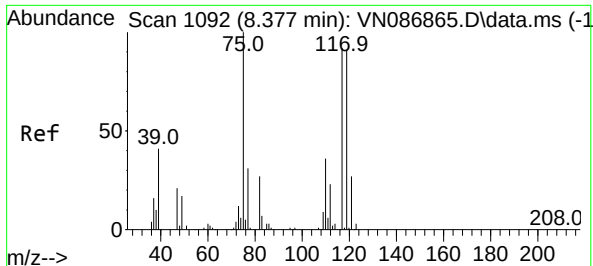
Tgt Ion:114 Resp: 275793
Ion Ratio Lower Upper
114 100
63 21.3 0.0 39.6
88 15.2 0.0 30.2



#35
Dibromofluoromethane
Concen: 57.120 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion:113 Resp: 93357
Ion Ratio Lower Upper
113 100
111 103.1 84.2 126.2
192 16.3 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.831 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087182.D

Acq: 26 Jun 2025 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBL01

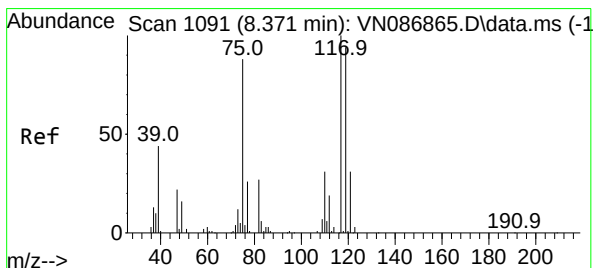
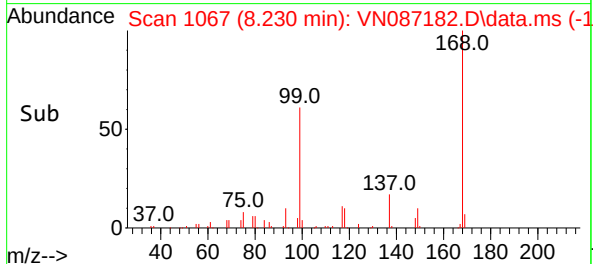
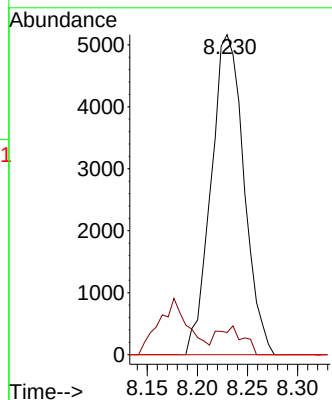
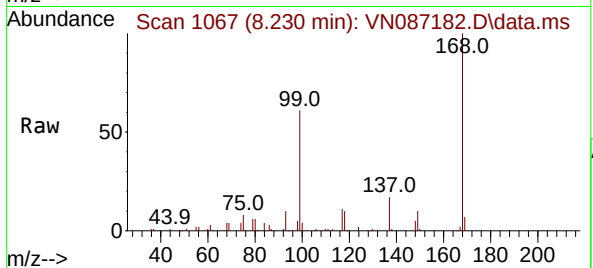
Tgt Ion: 75 Resp: 11765

Ion Ratio Lower Upper

75 100

110 7.0 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.086 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087182.D

Acq: 26 Jun 2025 10:25

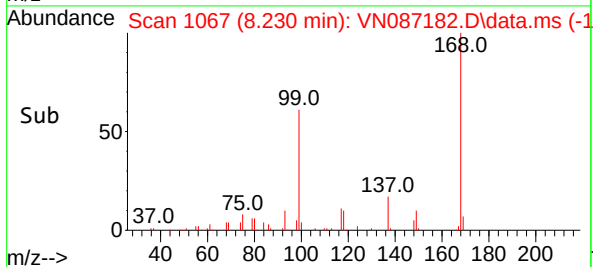
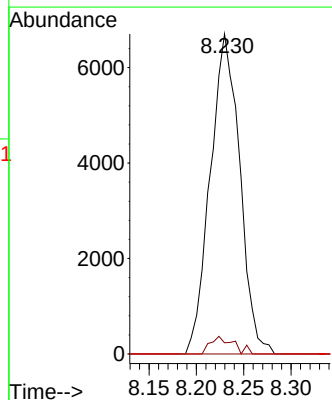
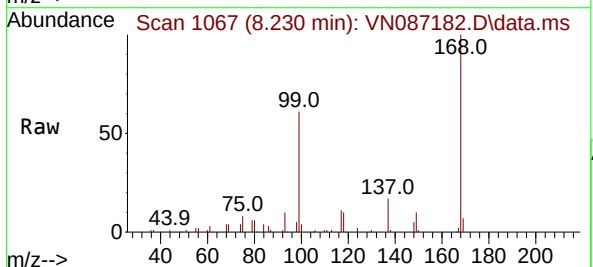
Tgt Ion: 117 Resp: 14552

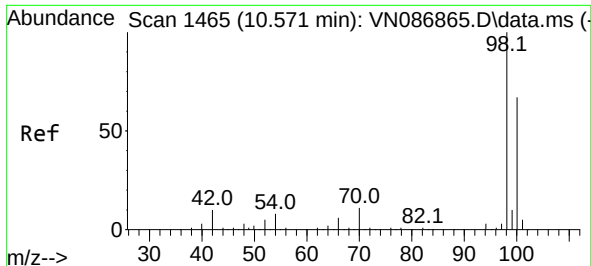
Ion Ratio Lower Upper

117 100

119 3.5 75.0 112.6#

121 0.0 24.9 37.3#

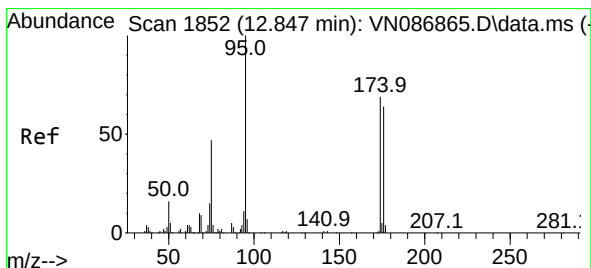
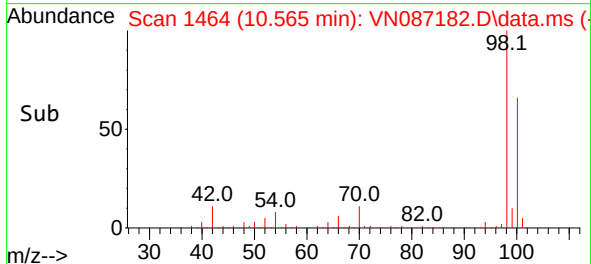
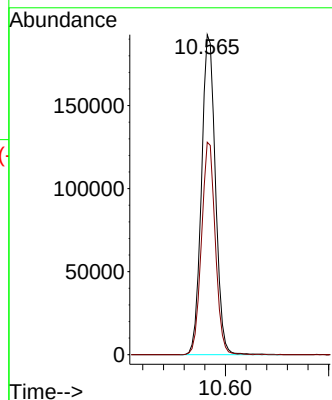
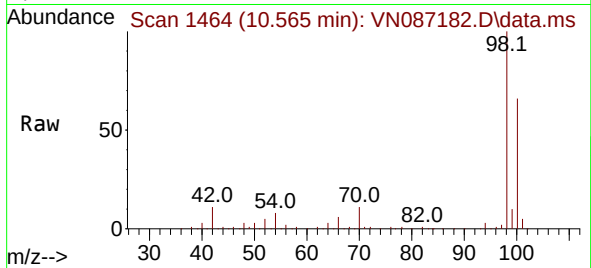




#50
Toluene-d8
Concen: 55.671 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

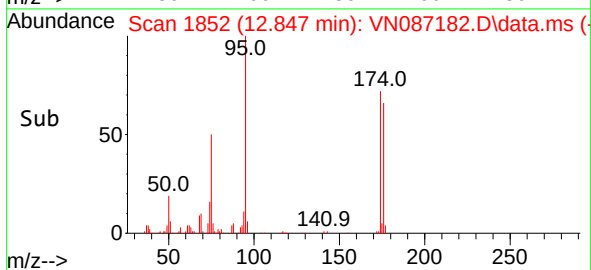
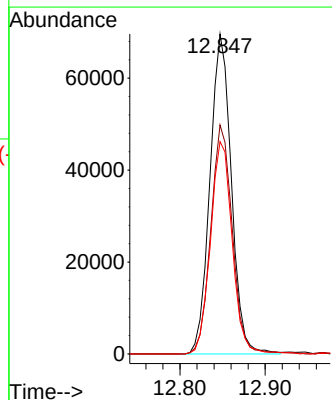
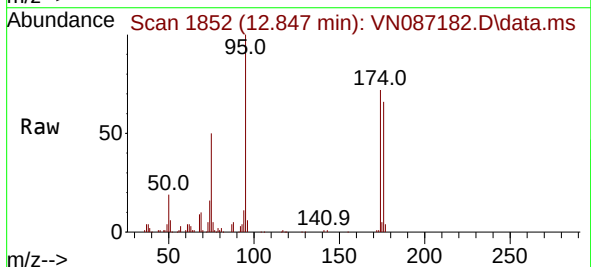
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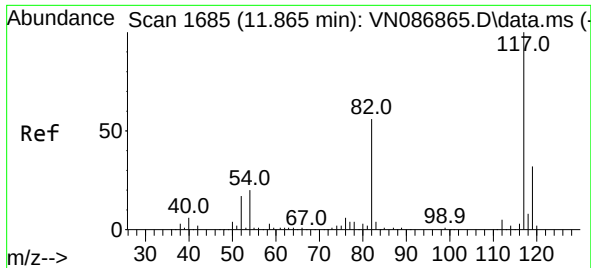
Tgt Ion: 98 Resp: 360201
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 50.489 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion: 95 Resp: 121369
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.8
176 67.5 0.0 132.6

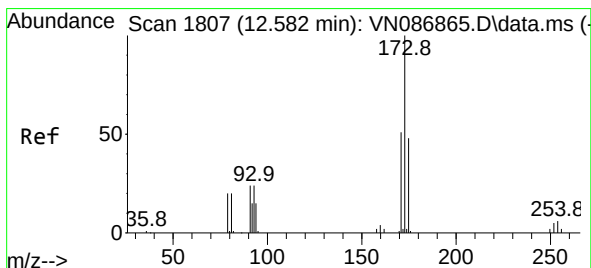
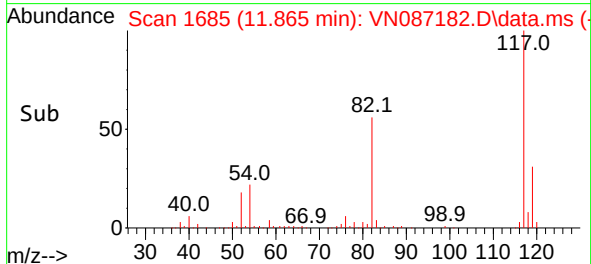
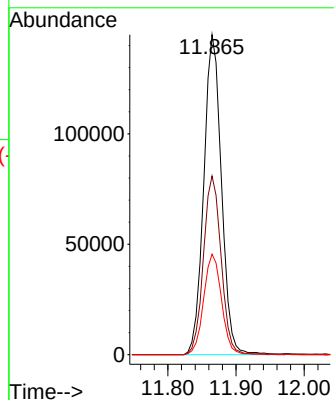
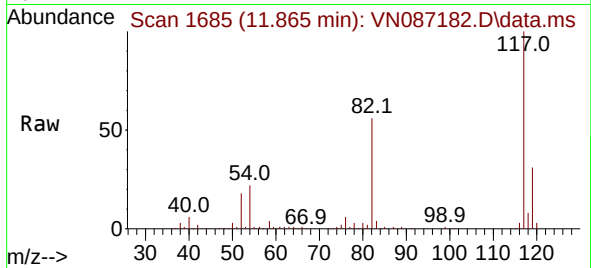




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

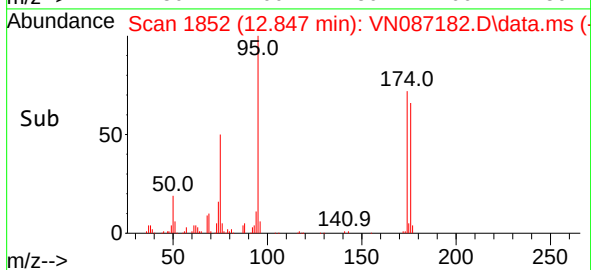
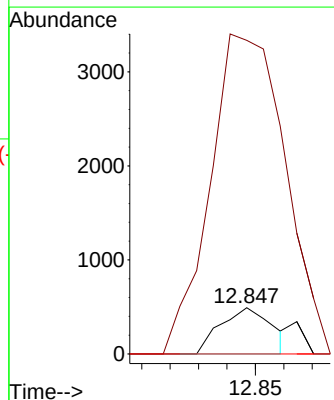
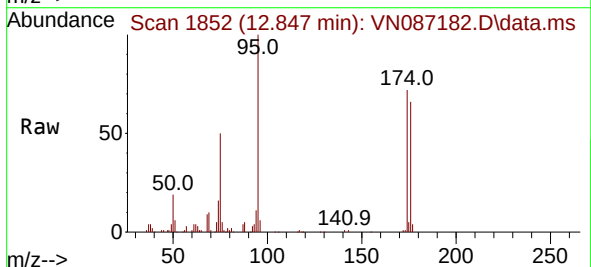
Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

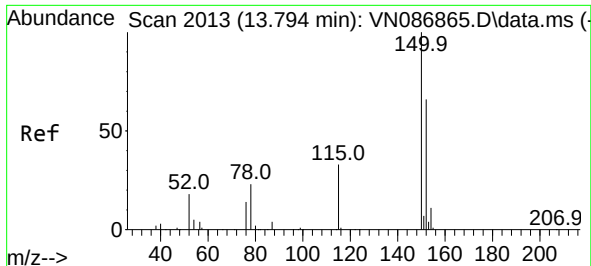
Tgt Ion:117 Resp: 261782
Ion Ratio Lower Upper
117 100
82 55.9 44.6 67.0
119 31.4 25.5 38.3



#71
Bromoform
Concen: 0.450 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion:173 Resp: 619
Ion Ratio Lower Upper
173 100
175 900.8 24.1 72.4#
254 0.0 0.0 0.0

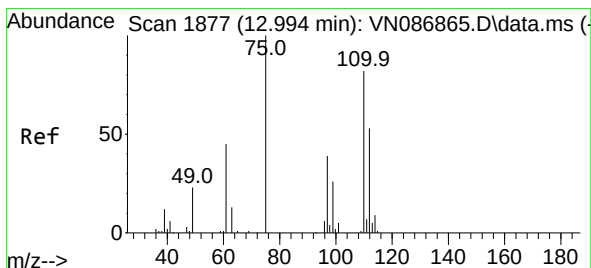
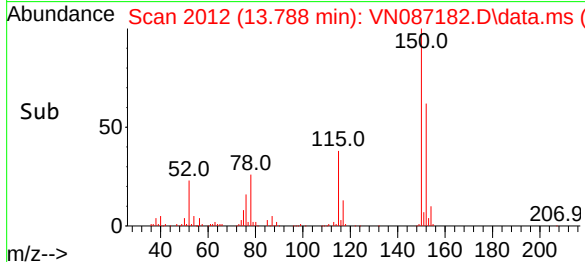
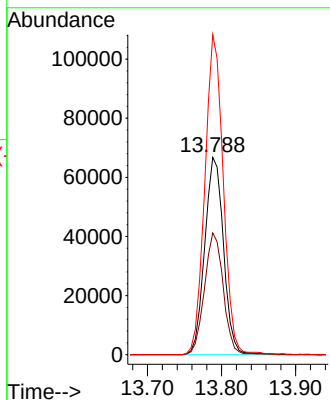
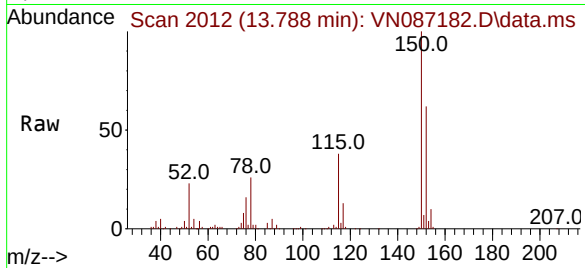




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087182.D
 Acq: 26 Jun 2025 10:25

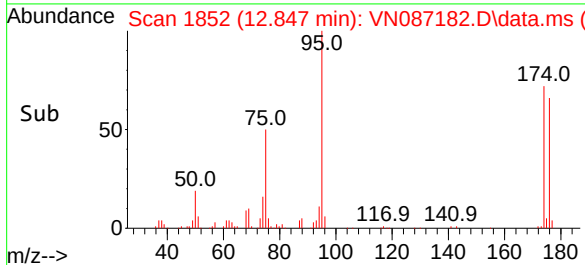
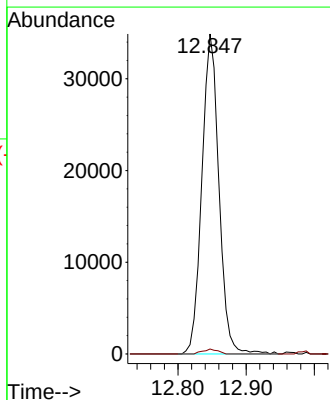
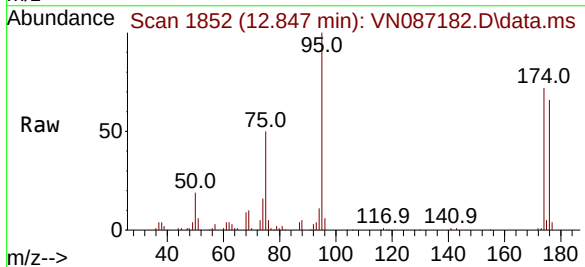
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBL01

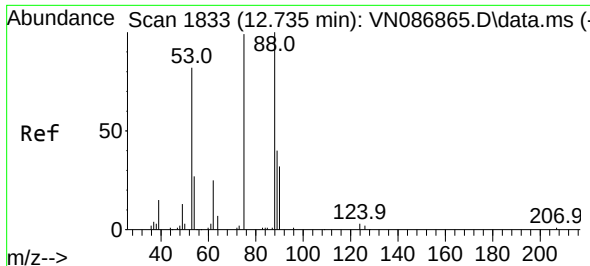
Tgt Ion:152 Resp: 117729
 Ion Ratio Lower Upper
 152 100
 115 61.8 30.1 90.5
 150 158.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 21.713 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087182.D
 Acq: 26 Jun 2025 10:25

Tgt Ion: 75 Resp: 60762
 Ion Ratio Lower Upper
 75 100
 77 1.3 79.3 237.9#

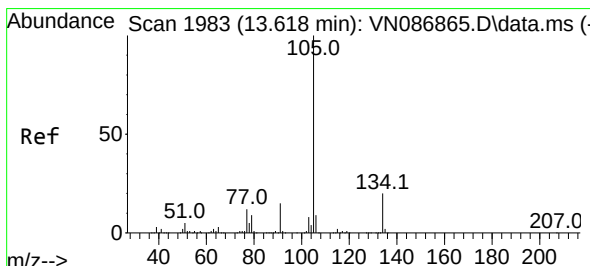
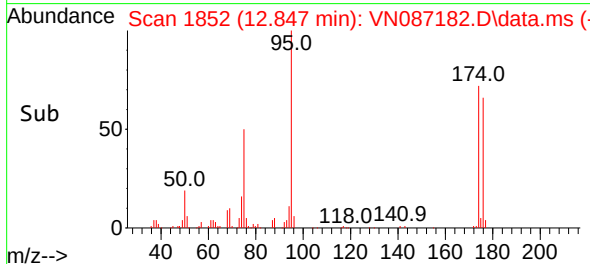
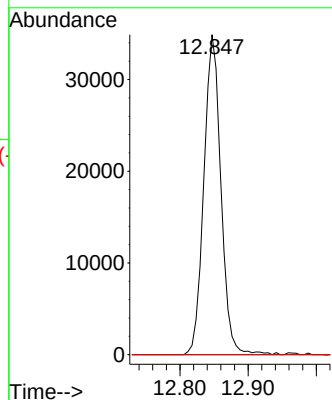
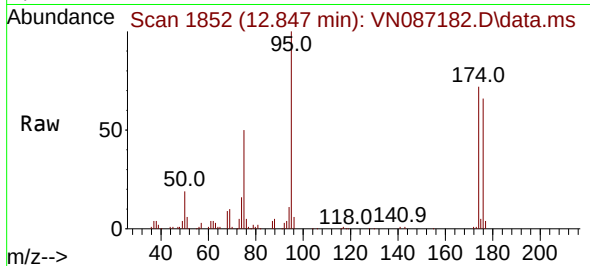




#81
trans-1,4-Dichloro-2-butene
Concen: 49.981 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

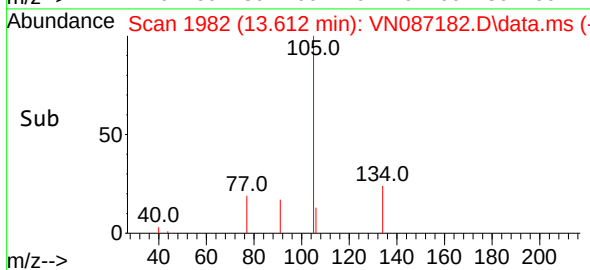
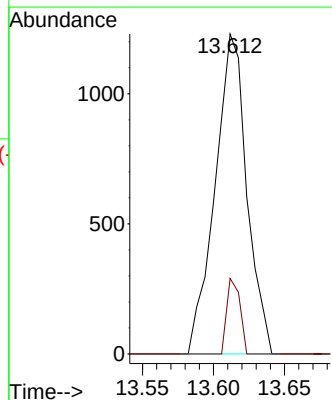
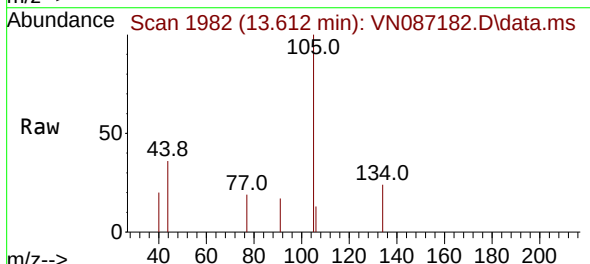
Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

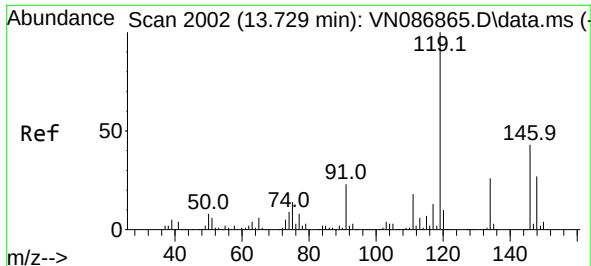
Tgt Ion: 75 Resp: 60762
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#85
sec-Butylbenzene
Concen: 0.204 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion: 105 Resp: 1916
Ion Ratio Lower Upper
105 100
134 9.7 10.0 30.0#

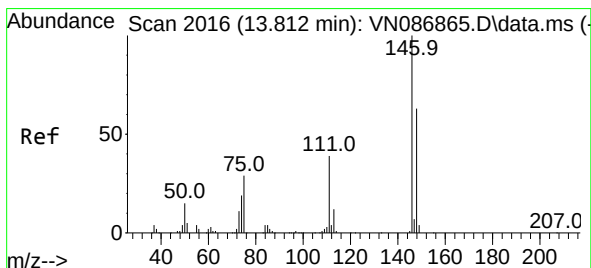
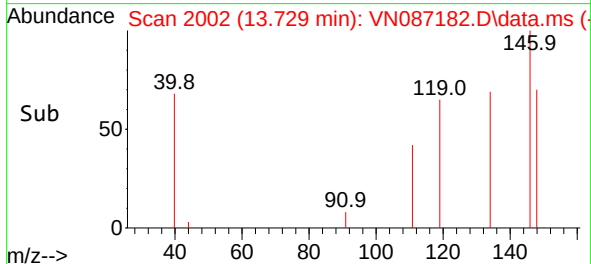
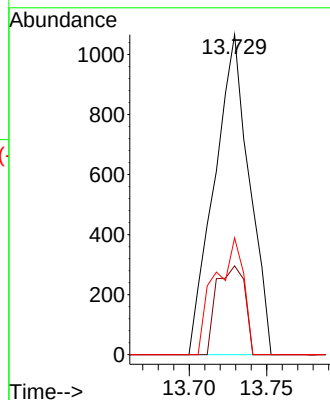
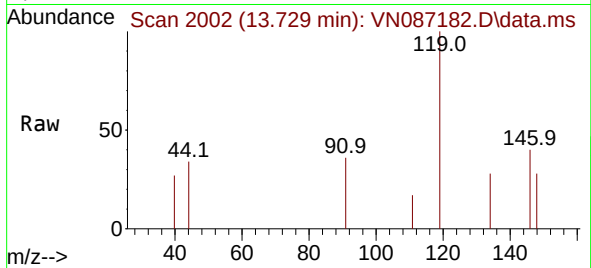




#86
p-Isopropyltoluene
Concen: 0.214 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

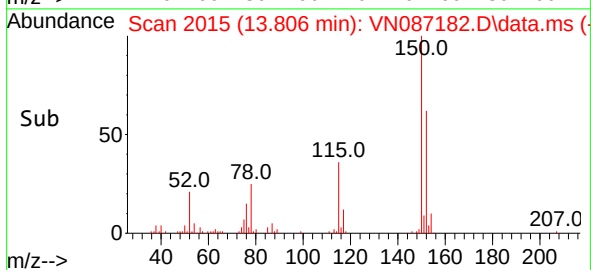
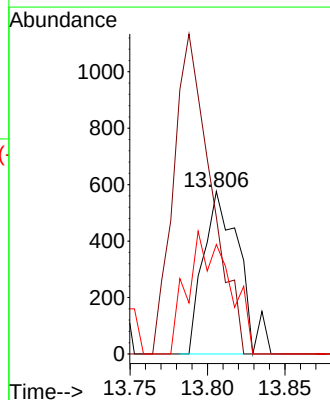
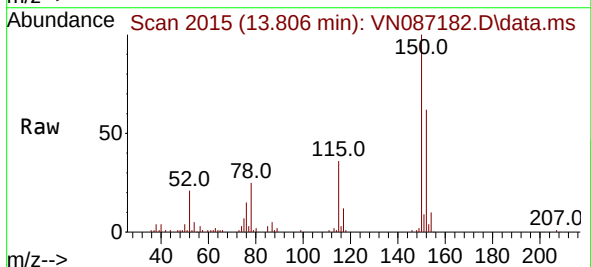
Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

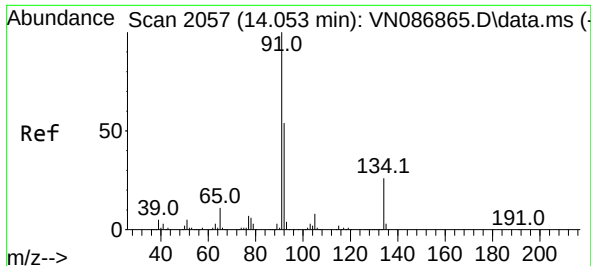
Tgt Ion:119 Resp: 1664
Ion Ratio Lower Upper
119 100
134 22.4 13.5 40.4
91 29.9 11.5 34.4



#88
1,4-Dichlorobenzene
Concen: 0.234 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion:146 Resp: 923
Ion Ratio Lower Upper
146 100
111 206.8 19.9 59.7#
148 87.2 31.8 95.4

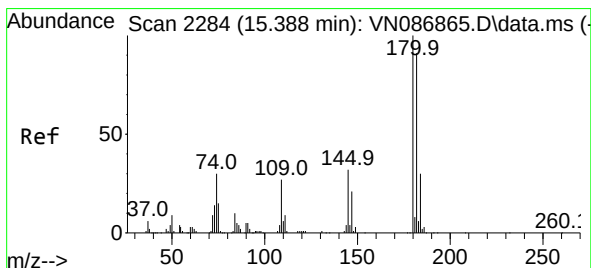
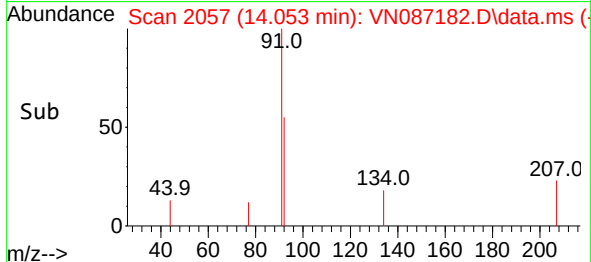
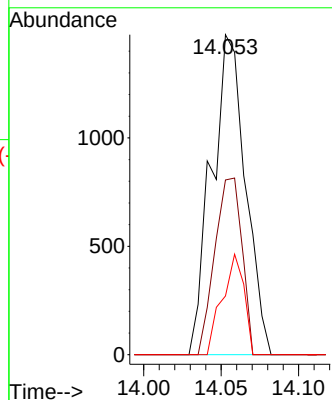
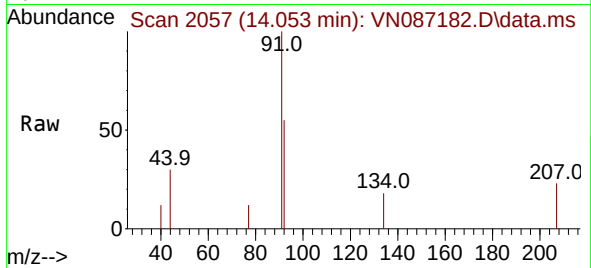




#89
n-Butylbenzene
Concen: 0.298 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

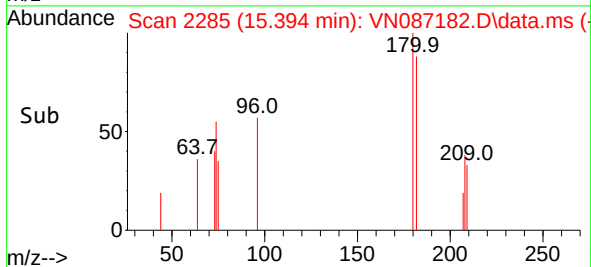
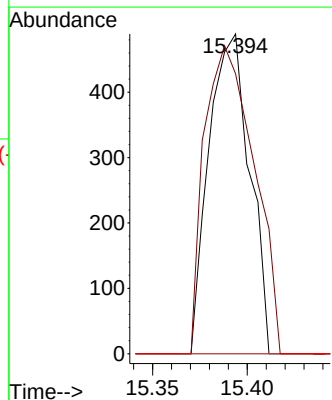
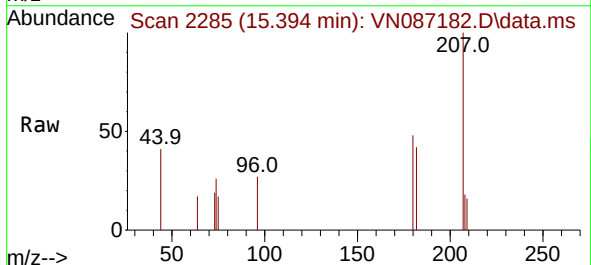
Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

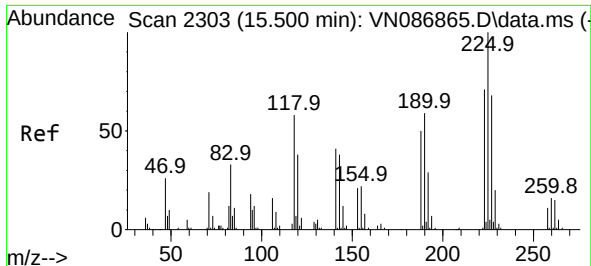
Tgt Ion:	91	Resp:	2247
Ion	Ratio	Lower	Upper
91	100		
92	44.1	27.5	82.4
134	20.1	13.0	39.0



#93
1,2,4-Trichlorobenzene
Concen: 0.308 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion:	180	Resp:	731
Ion	Ratio	Lower	Upper
180	100		
182	117.6	46.9	140.7
145	0.0	16.0	47.9#

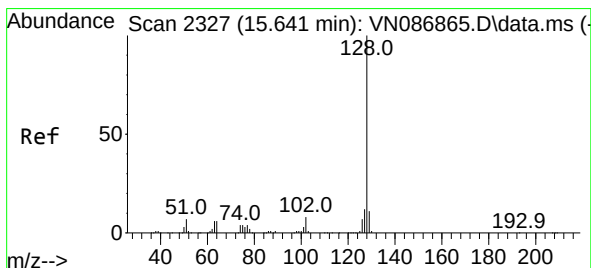
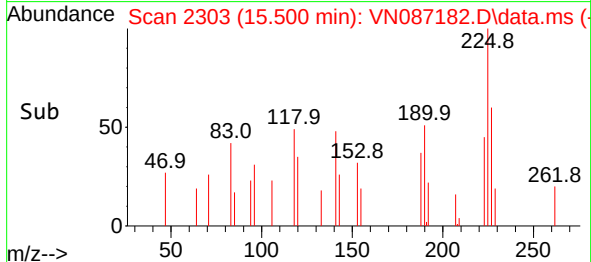
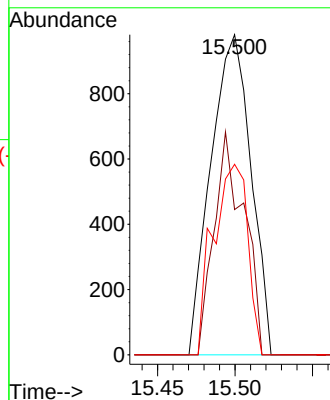
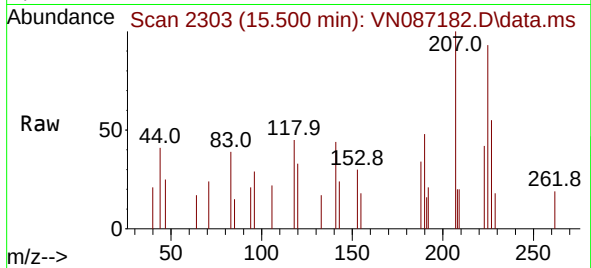




#94
Hexachlorobutadiene
Concen: 1.992 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

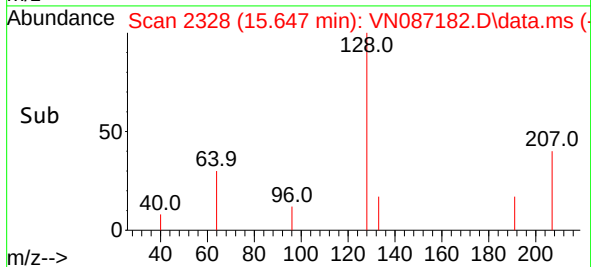
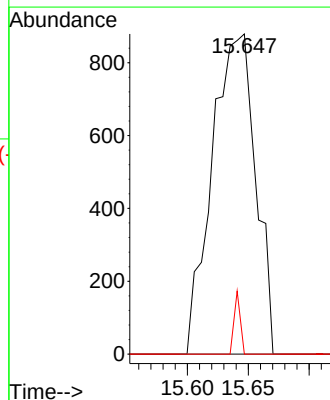
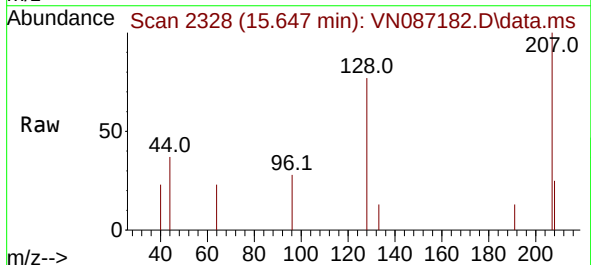
Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

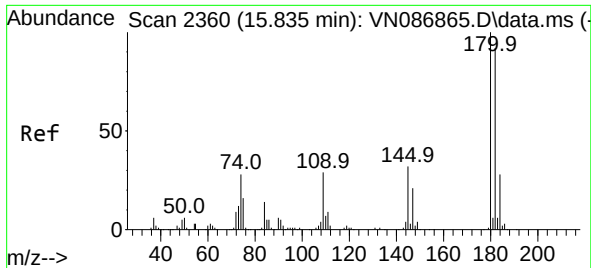
Tgt Ion:	225	Resp:	1762
Ion	Ratio	Lower	Upper
225	100		
223	52.2	33.5	100.4
227	51.3	31.1	93.5



#95
Naphthalene
Concen: 0.248 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

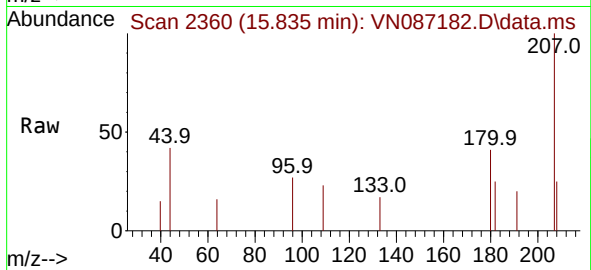
Tgt Ion:	128	Resp:	2190
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	2.8	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.341 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN087182.D
 Acq: 26 Jun 2025 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBL01



Tgt Ion:180 Resp: 805
 Ion Ratio Lower Upper
 180 100
 182 103.9 47.0 141.0
 145 14.7 16.6 49.8#

