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 Data File : VN087512.D
 Acq On : 12 Aug 2025 14:24
 Operator : JC\MD
 Sample : Q2816-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

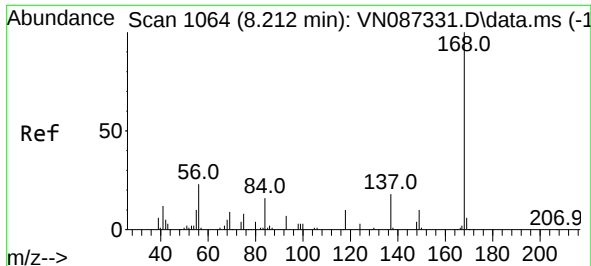
Instrument :
 MSVOA_N
 ClientSampleId :
 1055-MW-01(23)

Quant Time: Aug 13 03:04:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	256280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	555349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	509191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	246455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	258727	59.498	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	119.000%	
35) Dibromofluoromethane	8.153	113	188525	49.213	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.420%	
50) Toluene-d8	10.547	98	710694	52.009	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	104.020%	
62) 4-Bromofluorobenzene	12.829	95	265076	52.506	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	105.020%	
Target Compounds						
						Qvalue
3) Chloromethane	2.389	50	1074	0.314	ug/l	94
4) Vinyl Chloride	2.542	62	45371	13.338	ug/l	98
10) Methyl Iodide	4.589	142	135	5.676	ug/l #	40
11) Tert butyl alcohol	5.524	59	766	0.928	ug/l #	72
12) 1,1-Dichloroethene	4.330	96	2204	0.753	ug/l #	49
13) Acrolein	4.177	56	379	0.572	ug/l #	15
16) Acetone	4.424	43	27475	13.475	ug/l	100
17) Carbon Disulfide	4.712	76	2547	0.294	ug/l #	71
20) Methylene Chloride	5.259	84	410	Below Cal	#	4
21) trans-1,2-Dichloroethene	5.777	96	7205	2.184	ug/l #	75
25) 2-Butanone	7.477	43	5965	1.893	ug/l #	1
27) cis-1,2-Dichloroethene	7.471	96	541229	142.486	ug/l	93
31) Cyclohexane	8.206	56	8995	1.683	ug/l #	46
36) 1,1-Dichloropropene	8.206	75	25456	5.030	ug/l #	52
38) Carbon Tetrachloride	8.212	117	30244	5.425	ug/l #	14
44) Trichloroethene	9.335	130	613549	158.741	ug/l	90
51) 4-Methyl-2-Pentanone	10.435	43	3474	0.484	ug/l #	74
55) 1,1,2-Trichloroethane	11.082	97	36094	8.967	ug/l #	10
56) Ethyl methacrylate	10.929	69	71	0.646	ug/l #	1
60) Dibromochloromethane	11.082	129	3429197	747.010	ug/l #	10
64) Tetrachloroethene	11.082	164	3301374	1007.382	ug/l	95
76) 1,2,3-Trichloropropane	12.829	75	152772	27.643	ug/l #	1
77) Bromobenzene	13.229	156	26920	6.692	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	152772	75.636	ug/l #	8
95) Naphthalene	15.582	128	7482	0.481	ug/l #	72

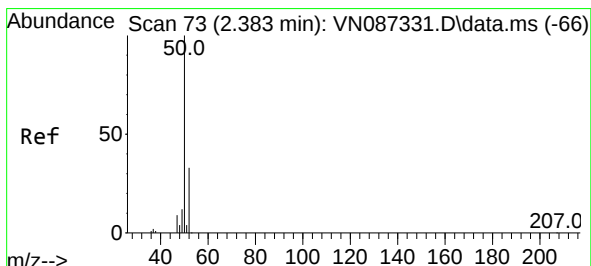
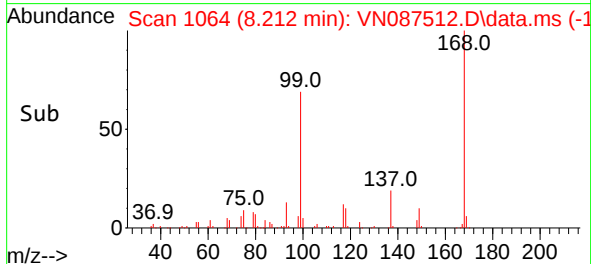
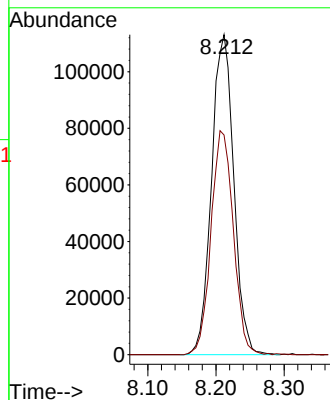
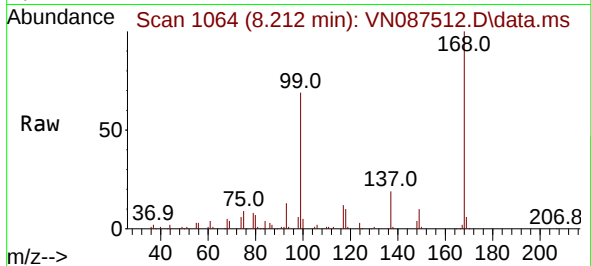
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

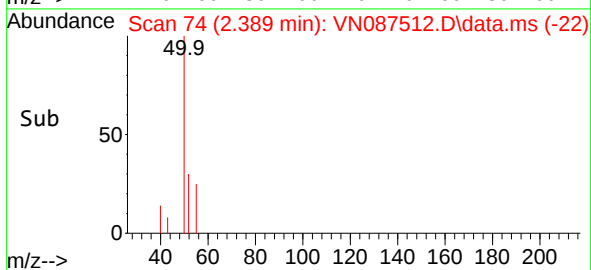
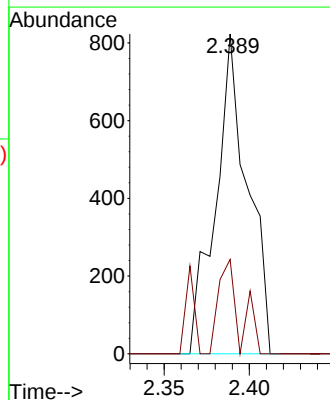
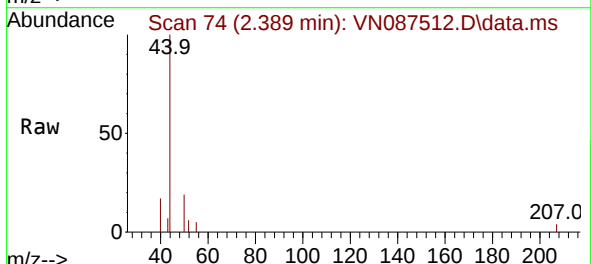
Instrument :
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1055-MW-01(23)

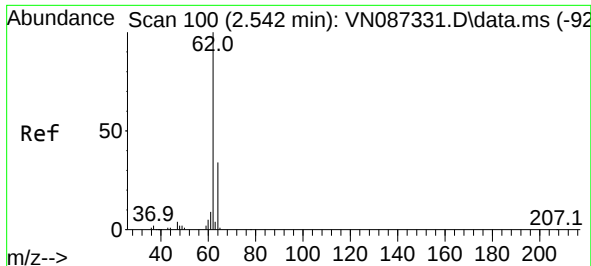
Tgt Ion:168 Resp: 256280
Ion Ratio Lower Upper
168 100
99 68.6 47.9 71.9



#3
Chloromethane
Concen: 0.314 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Tgt Ion: 50 Resp: 1074
Ion Ratio Lower Upper
50 100
52 29.5 26.3 39.5

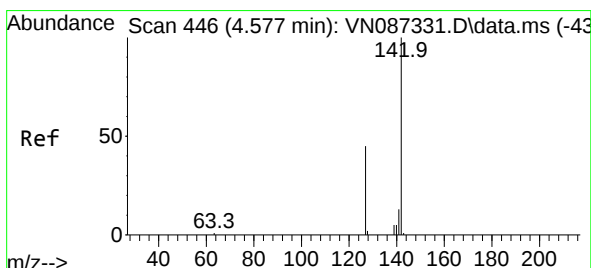
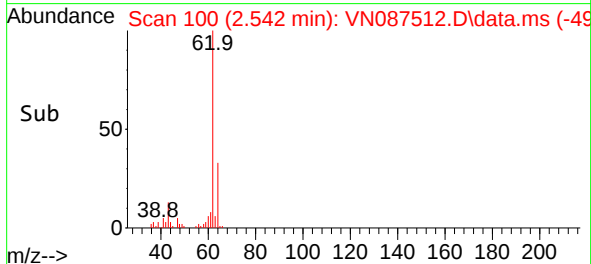
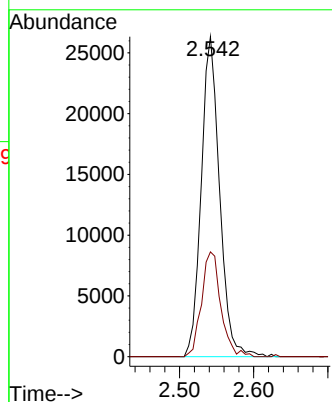
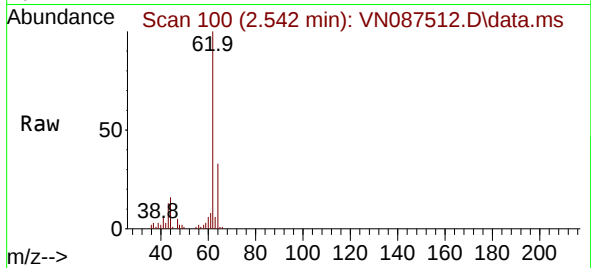




#4
 Vinyl Chloride
 Concen: 13.338 ug/l
 RT: 2.542 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: VN087512.D
 Acq: 12 Aug 2025 14:24

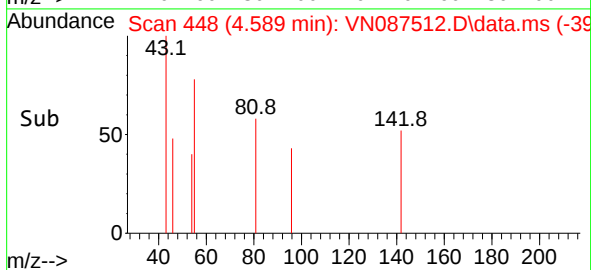
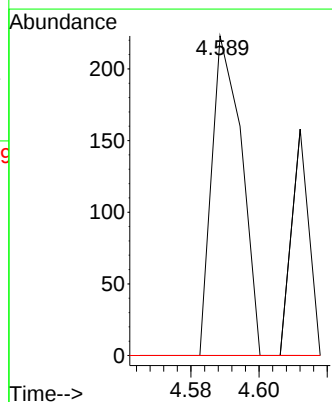
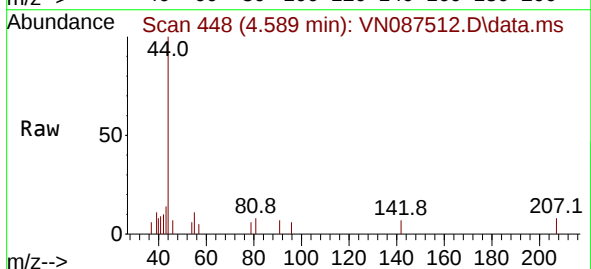
Instrument :
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 ClientSampleId :
 1055-MW-01(23)

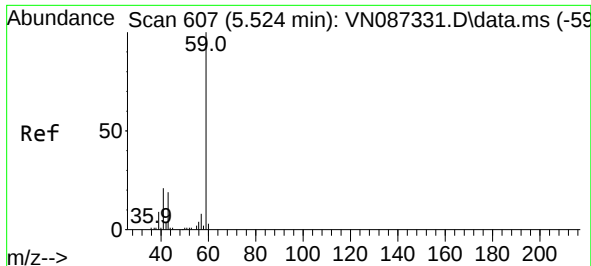
Tgt Ion: 62 Resp: 45371
 Ion Ratio Lower Upper
 62 100
 64 32.7 27.0 40.6



#10
 Methyl Iodide
 Concen: 5.676 ug/l
 RT: 4.589 min Scan# 448
 Delta R.T. 0.012 min
 Lab File: VN087512.D
 Acq: 12 Aug 2025 14:24

Tgt Ion: 142 Resp: 135
 Ion Ratio Lower Upper
 142 100
 127 0.0 35.7 53.5#
 141 0.0 10.4 15.6#

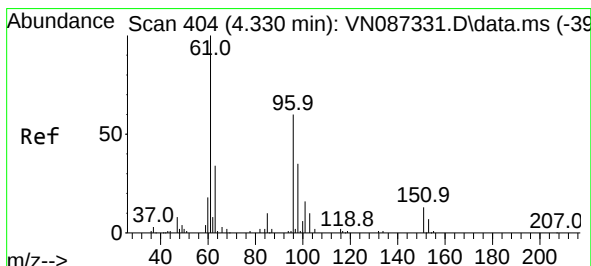
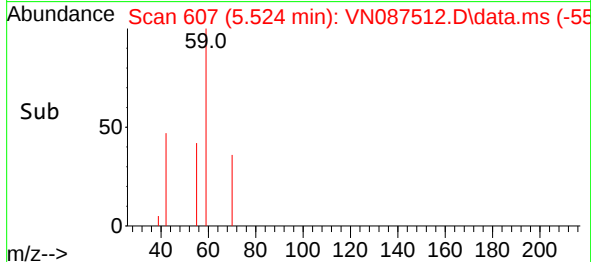
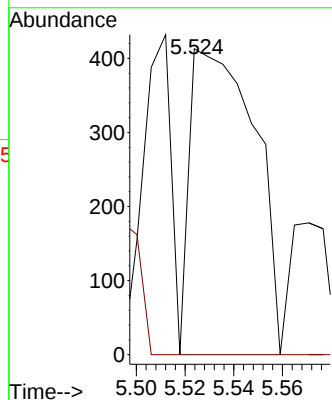
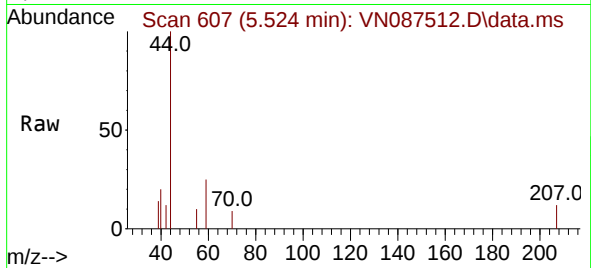




#11
Tert butyl alcohol
Concen: 0.928 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

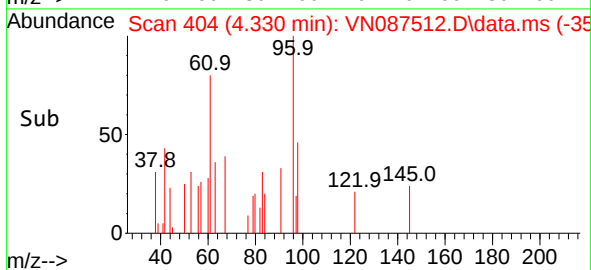
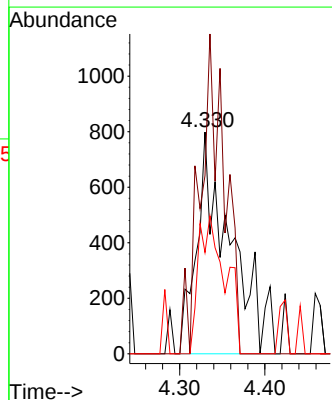
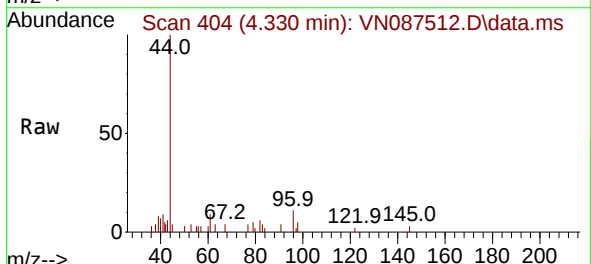
Instrument :
MSVOA_N
ClientSampleId :
1055-MW-01(23)

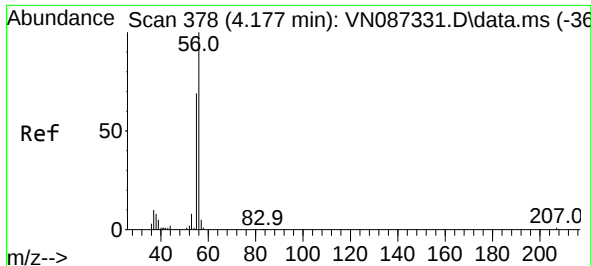
Tgt Ion: 59 Resp: 766
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.753 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.000 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Tgt Ion: 96 Resp: 2204
Ion Ratio Lower Upper
96 100
61 80.4 132.3 198.5#
98 45.7 46.8 70.2#





#13

Acrolein

Concen: 0.572 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN087512.D

Acq: 12 Aug 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

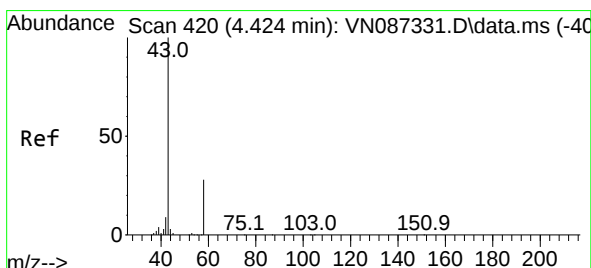
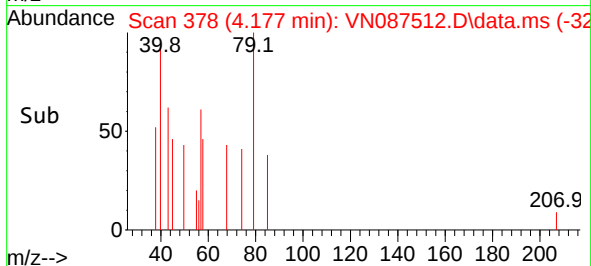
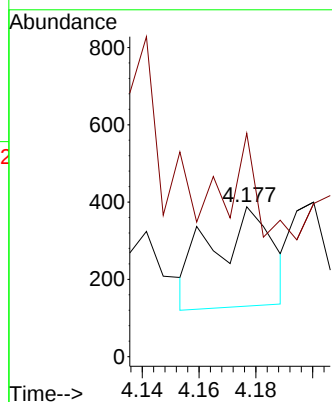
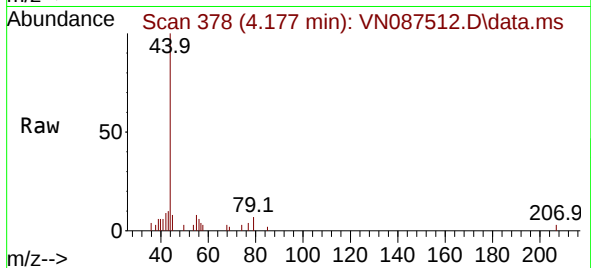
1055-MW-01(23)

Tgt Ion: 56 Resp: 379

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 13.475 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN087512.D

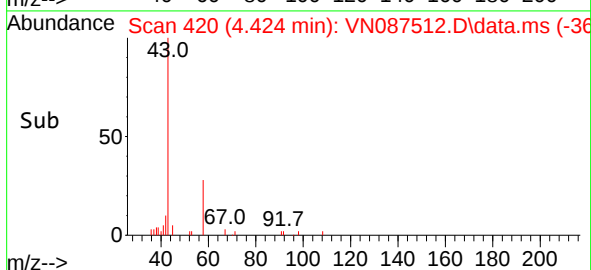
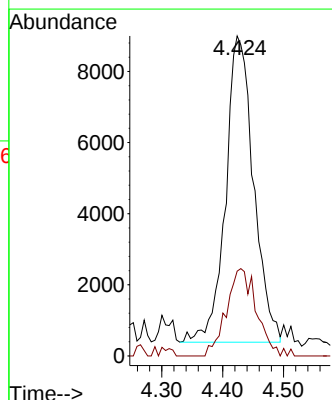
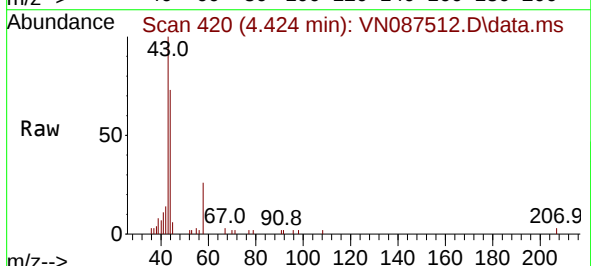
Acq: 12 Aug 2025 14:24

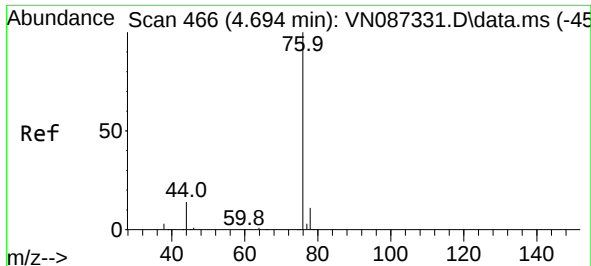
Tgt Ion: 43 Resp: 27475

Ion Ratio Lower Upper

43 100

58 27.7 22.3 33.5

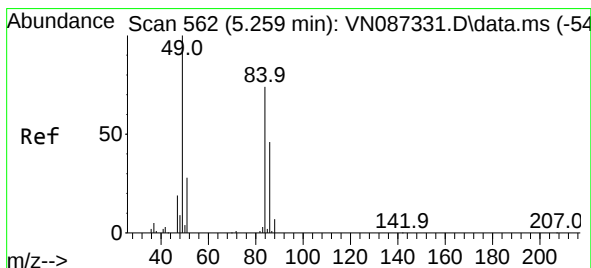
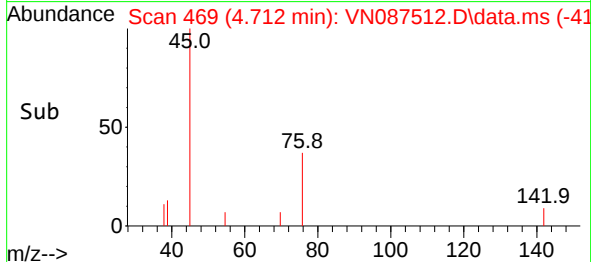
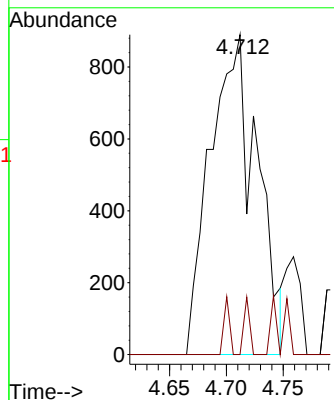
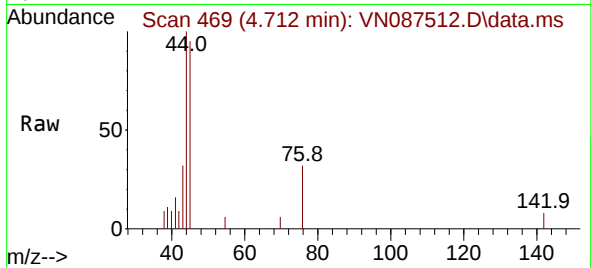




#17
Carbon Disulfide
Concen: 0.294 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.018 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

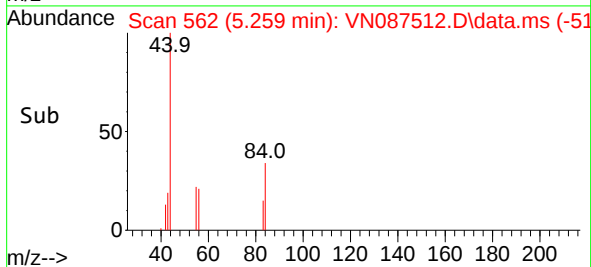
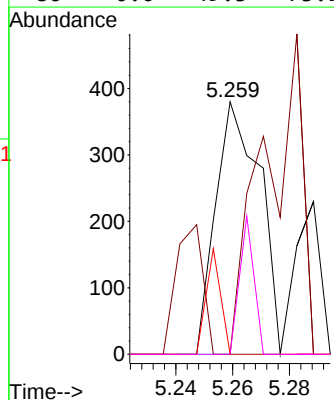
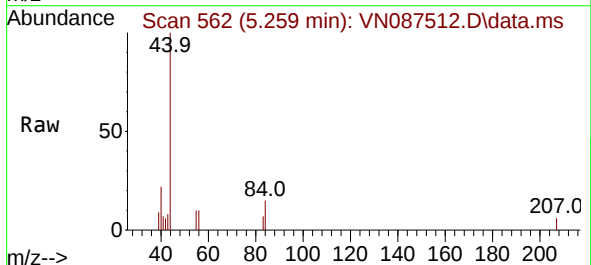
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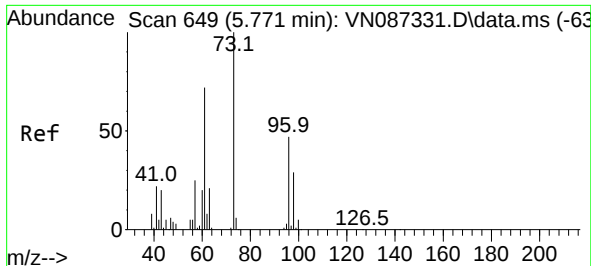
Tgt Ion: 76 Resp: 2547
Ion Ratio Lower Upper
76 100
78 0.0 8.6 13.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Tgt Ion: 84 Resp: 410
Ion Ratio Lower Upper
84 100
49 0.0 107.5 161.3#
51 0.0 30.2 45.2#
86 0.0 49.3 73.9#

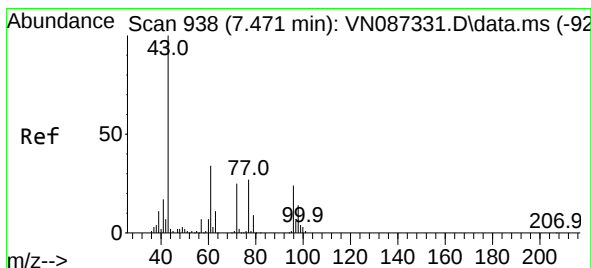
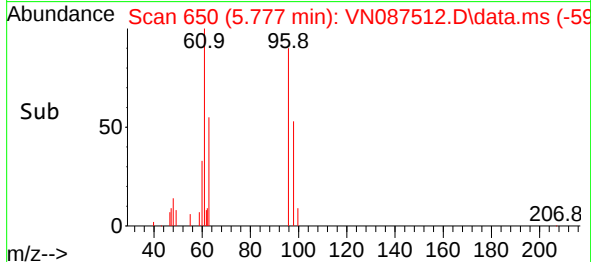
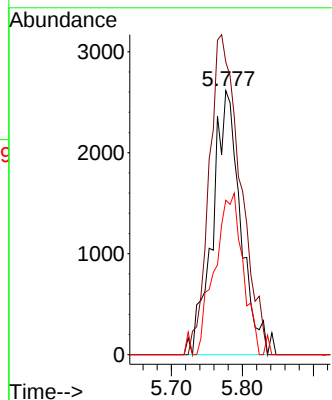
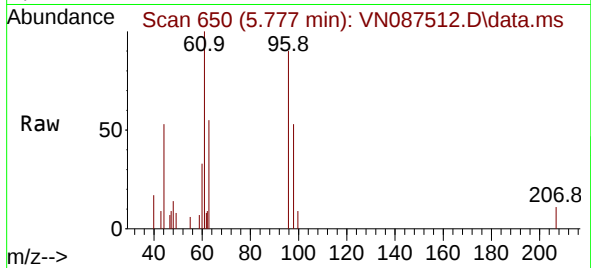




#21
trans-1,2-Dichloroethene
Concen: 2.184 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

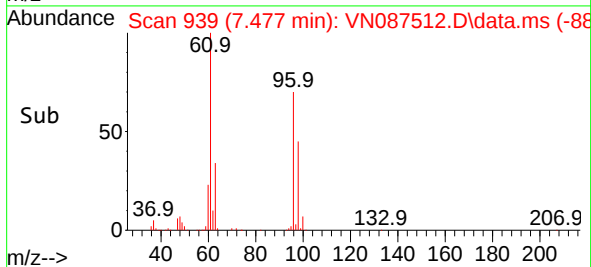
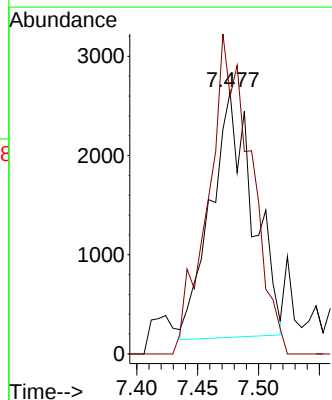
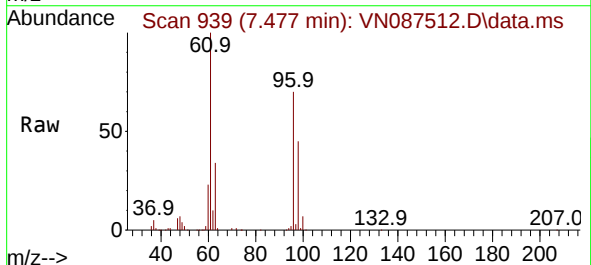
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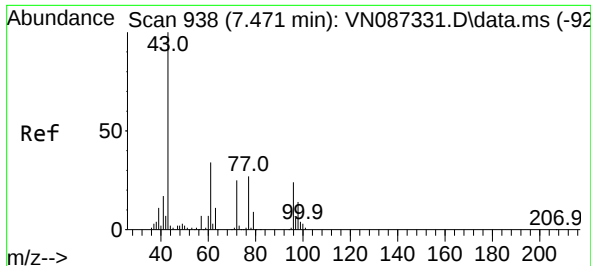
Tgt Ion: 96 Resp: 7205
Ion Ratio Lower Upper
96 100
61 110.8 122.0 183.0#
98 58.5 50.0 75.0



#25
2-Butanone
Concen: 1.893 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Tgt Ion: 43 Resp: 5965
Ion Ratio Lower Upper
43 100
72 100.3 19.6 29.4#

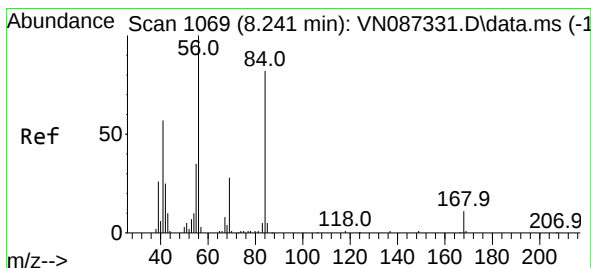
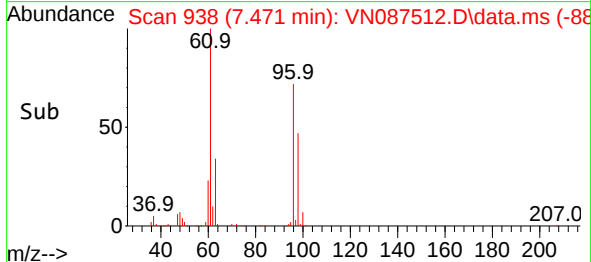
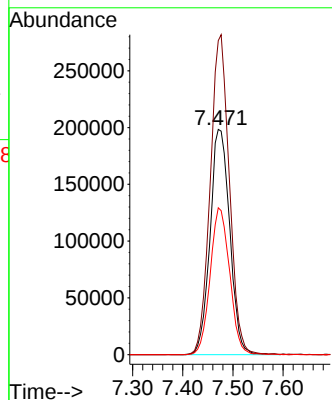
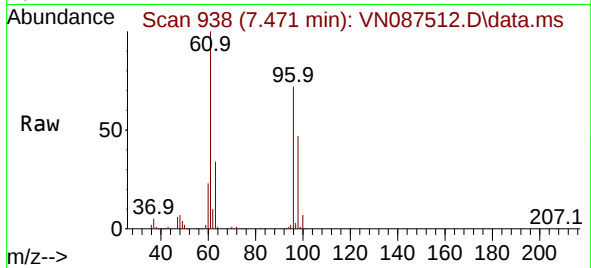




#27
 cis-1,2-Dichloroethene
 Concen: 142.486 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN087512.D
 Acq: 12 Aug 2025 14:24

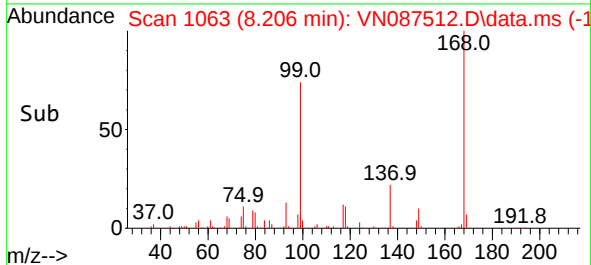
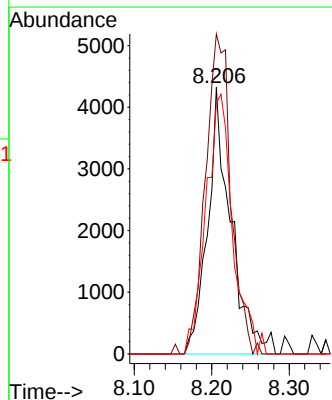
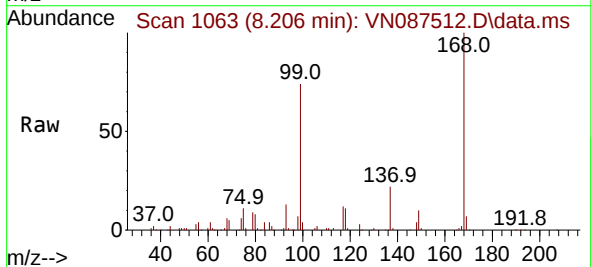
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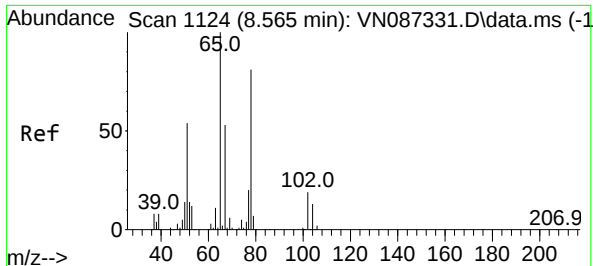
Tgt Ion: 96 Resp: 541229
 Ion Ratio Lower Upper
 96 100
 61 137.7 0.0 297.8
 98 64.3 0.0 132.4



#31
 Cyclohexane
 Concen: 1.683 ug/l
 RT: 8.206 min Scan# 1063
 Delta R.T. -0.035 min
 Lab File: VN087512.D
 Acq: 12 Aug 2025 14:24

Tgt Ion: 56 Resp: 8995
 Ion Ratio Lower Upper
 56 100
 69 120.1 22.7 34.1#
 84 94.1 65.8 98.6





#33

1,2-Dichloroethane-d4

Concen: 59.498 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087512.D

Acq: 12 Aug 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

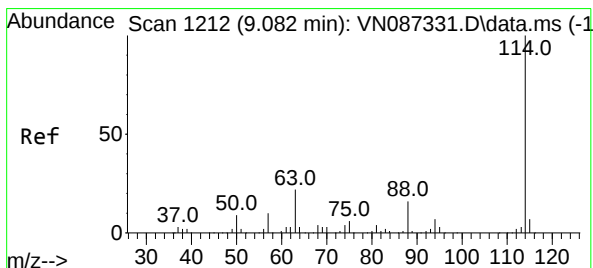
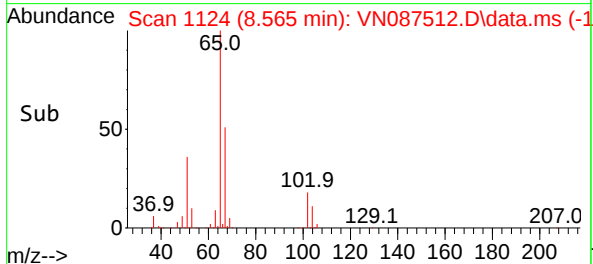
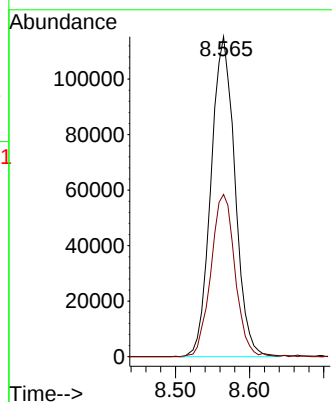
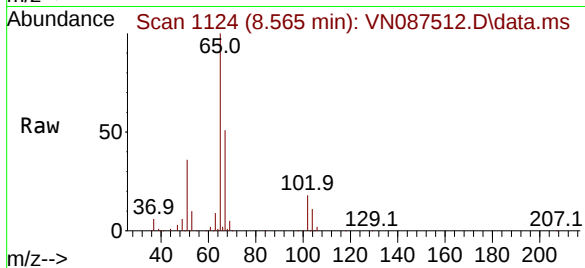
1055-MW-01(23)

Tgt Ion: 65 Resp: 258727

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087512.D

Acq: 12 Aug 2025 14:24

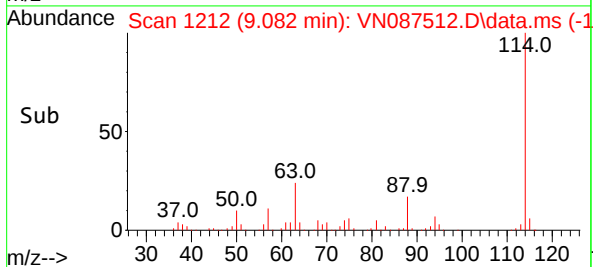
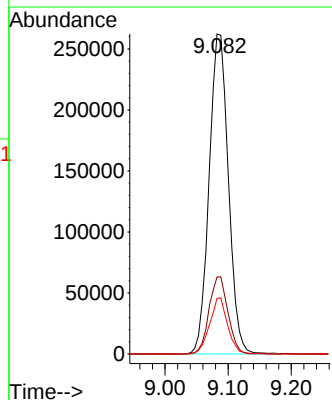
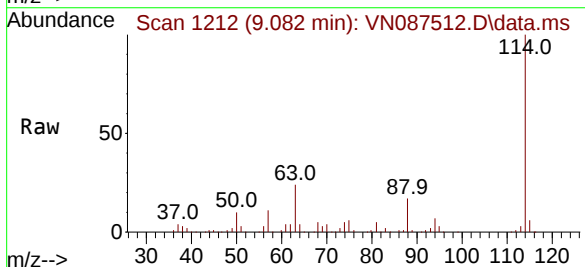
Tgt Ion: 114 Resp: 555349

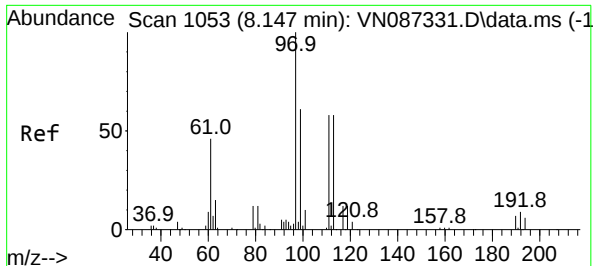
Ion Ratio Lower Upper

114 100

63 24.1 0.0 44.6

88 17.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.213 ug/l

RT: 8.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087512.D

Acq: 12 Aug 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

1055-MW-01(23)

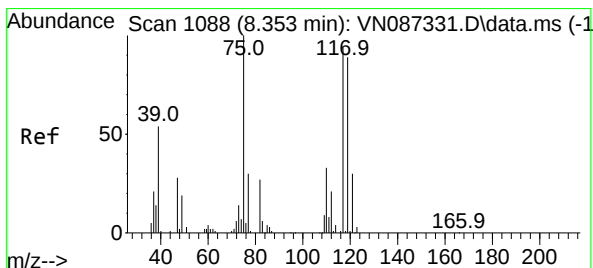
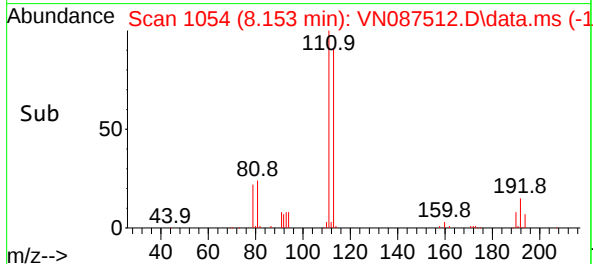
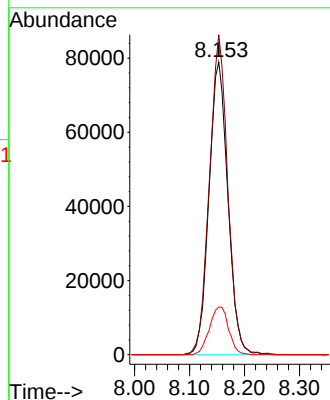
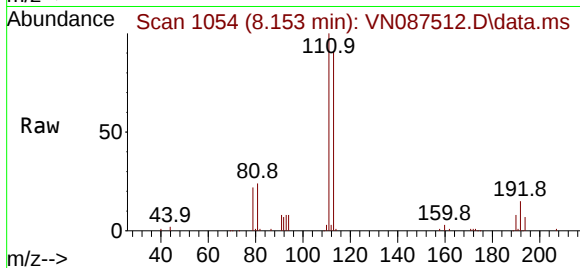
Tgt Ion:113 Resp: 188525

Ion Ratio Lower Upper

113 100

111 106.0 82.5 123.7

192 16.6 13.7 20.5



#36

1,1-Dichloropropene

Concen: 5.030 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087512.D

Acq: 12 Aug 2025 14:24

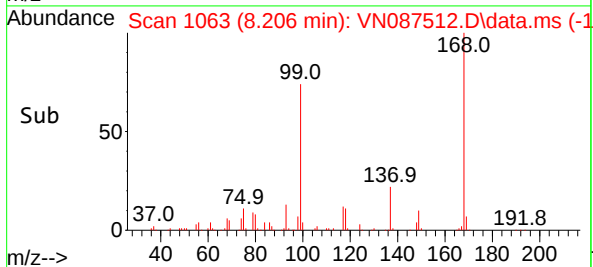
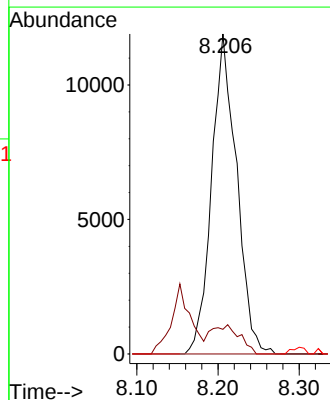
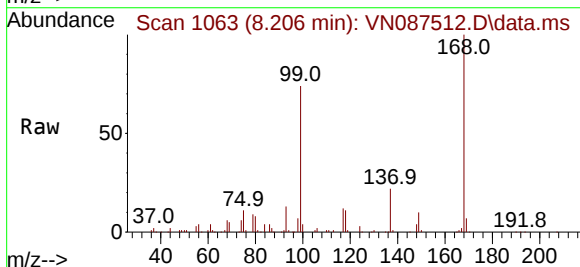
Tgt Ion: 75 Resp: 25456

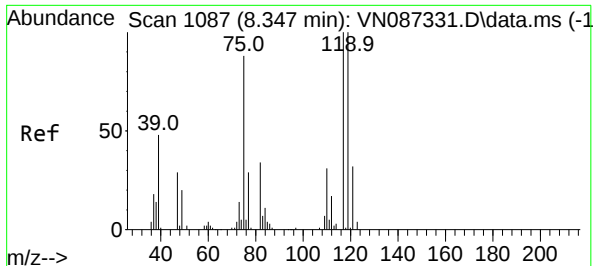
Ion Ratio Lower Upper

75 100

110 10.5 16.7 50.1#

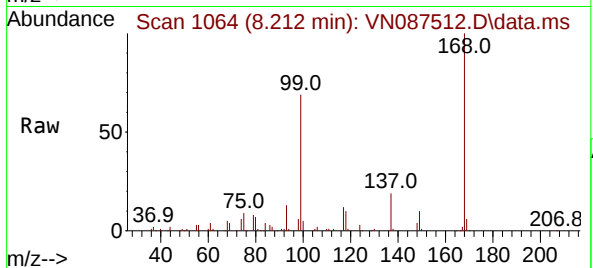
77 0.0 25.2 37.8#



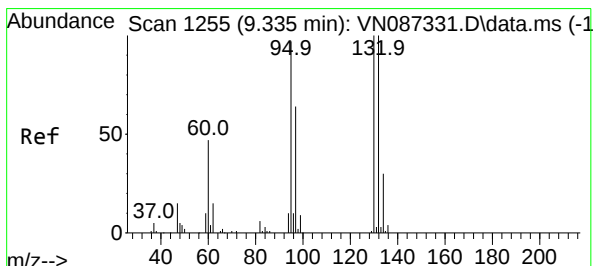
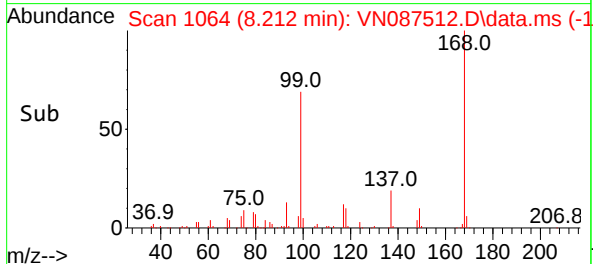
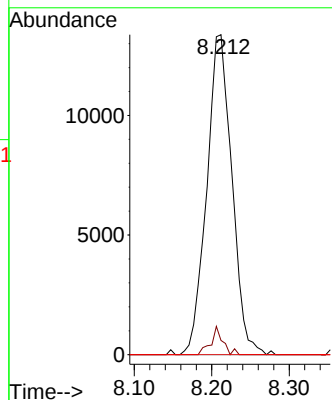


#38
Carbon Tetrachloride
Concen: 5.425 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Instrument :
MSVOA_N
ClientSampleId :
1055-MW-01(23)

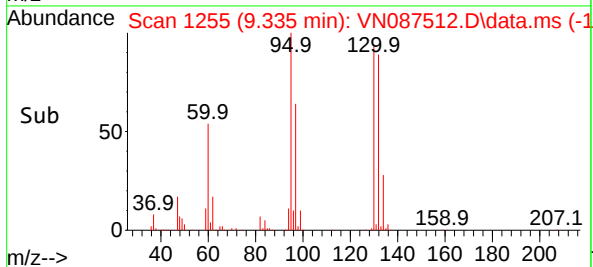
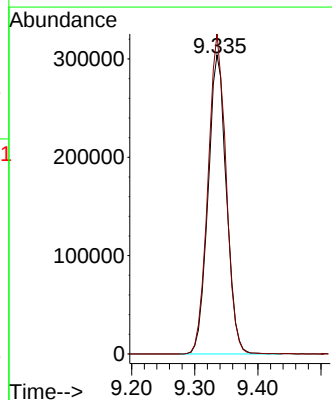
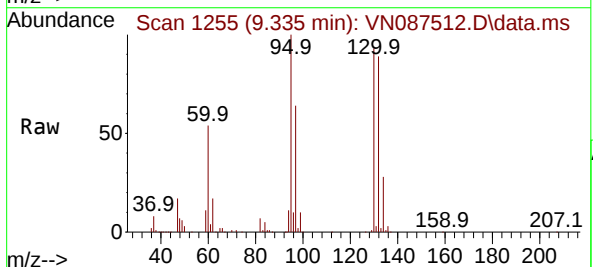


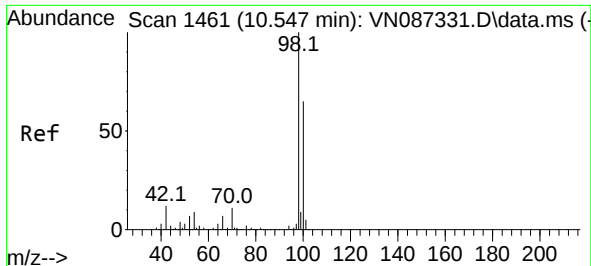
Tgt Ion:117 Resp: 30244
Ion Ratio Lower Upper
117 100
119 4.4 80.2 120.2#
121 0.0 25.4 38.2#



#44
Trichloroethene
Concen: 158.741 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Tgt Ion:130 Resp: 613549
Ion Ratio Lower Upper
130 100
95 107.0 0.0 195.2

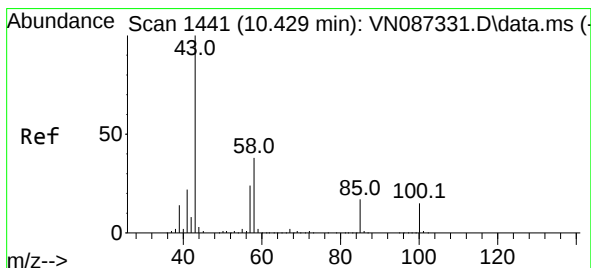
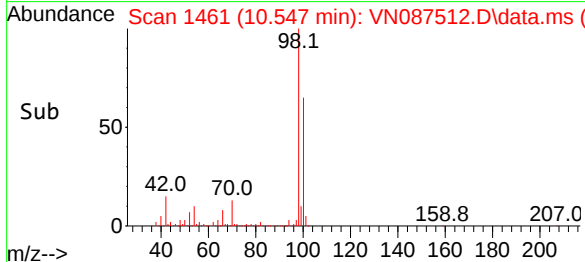
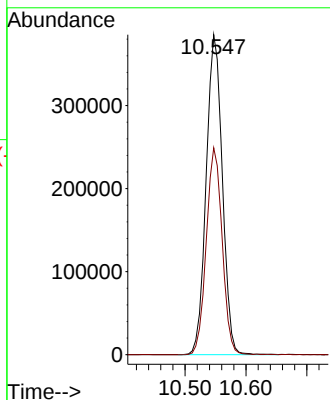
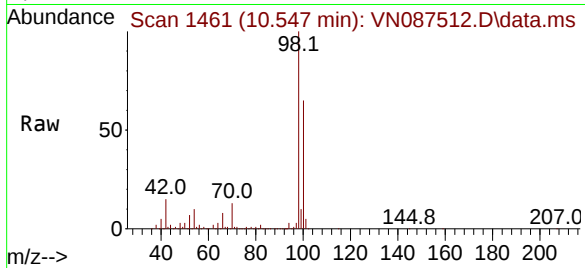




#50
Toluene-d8
Concen: 52.009 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

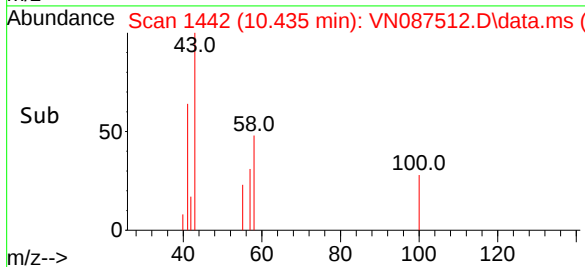
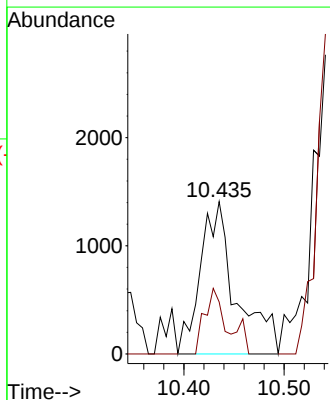
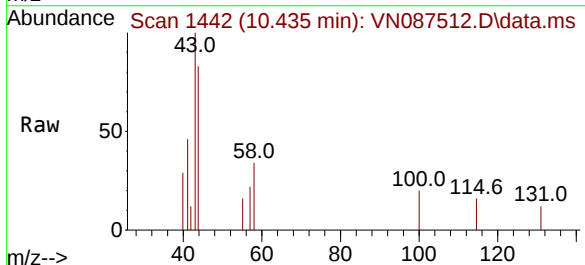
Instrument :
MSVOA_N
ClientSampleId :
1055-MW-01(23)

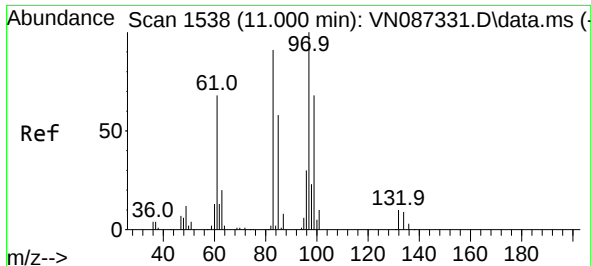
Tgt Ion: 98 Resp: 710694
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.484 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. 0.006 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Tgt Ion: 43 Resp: 3474
Ion Ratio Lower Upper
43 100
58 22.5 30.8 46.2#

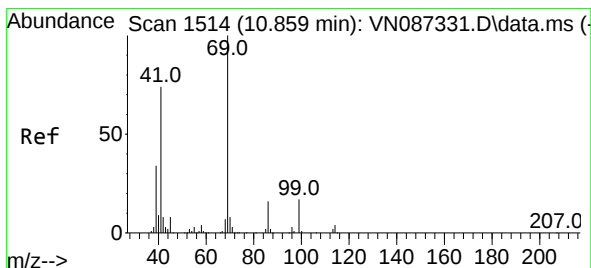
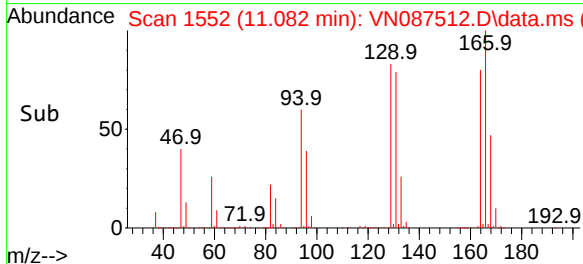
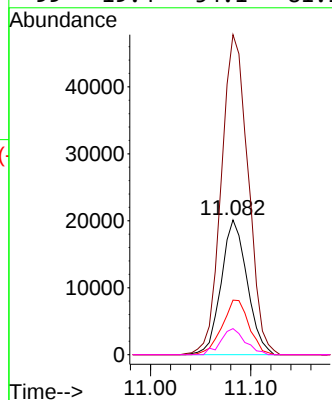
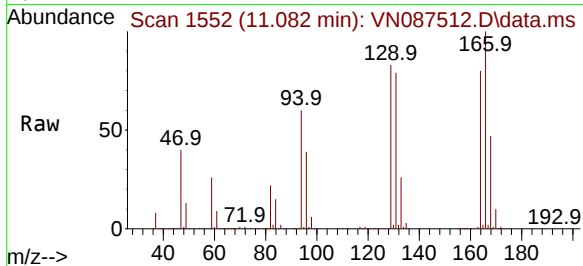




#55
1,1,2-Trichloroethane
Concen: 8.967 ug/l
RT: 11.082 min Scan# 11
Delta R.T. 0.082 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

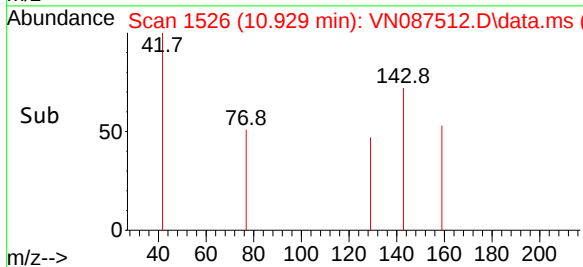
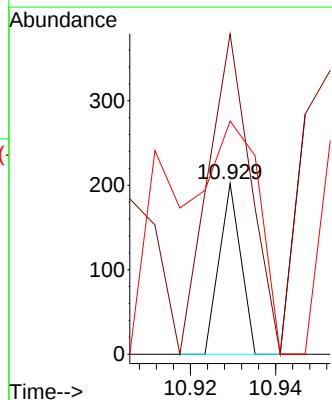
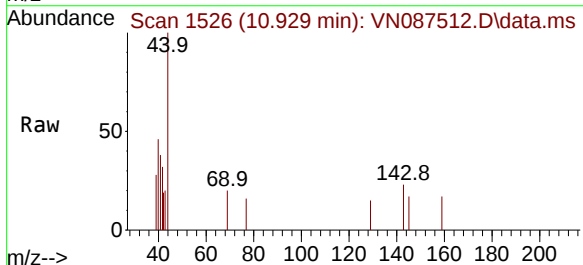
Instrument :
MSVOA_N
ClientSampleId :
1055-MW-01(23)

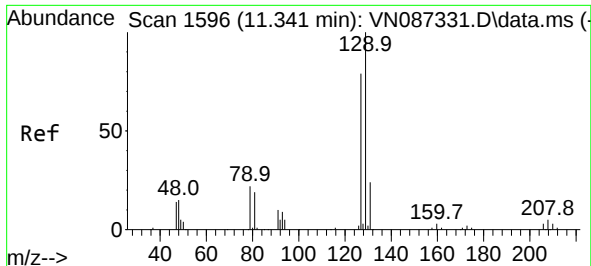
Tgt Ion:	97	Resp:	36094
Ion	Ratio	Lower	Upper
97	100		
83	237.5	72.6	109.0#
85	40.5	46.7	70.1#
99	19.4	54.1	81.1#



#56
Ethyl methacrylate
Concen: 0.646 ug/l
RT: 10.929 min Scan# 1526
Delta R.T. 0.070 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Tgt Ion:	69	Resp:	71
Ion	Ratio	Lower	Upper
69	100		
41	370.4	55.1	82.7#
39	556.3	27.9	41.9#

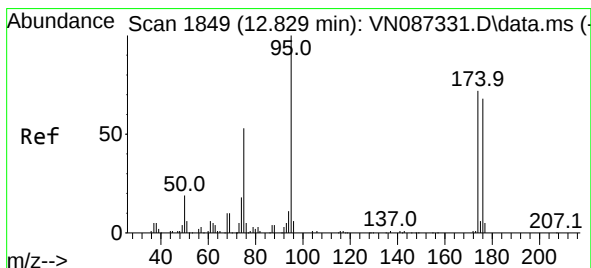
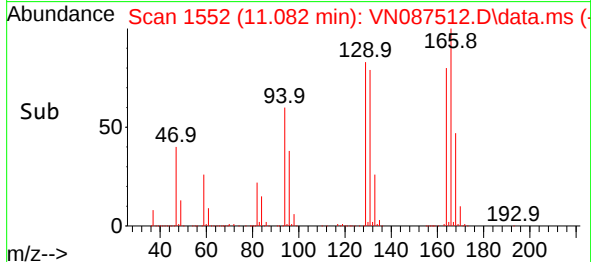
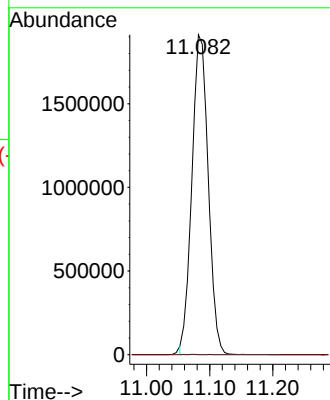
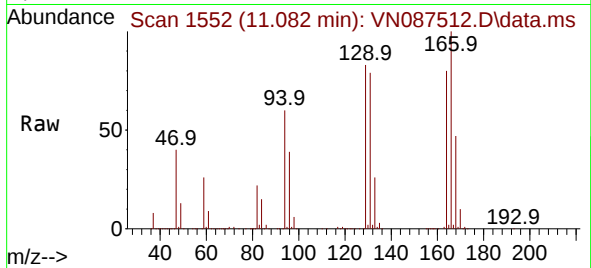




#60
Dibromochloromethane
Concen: 747.010 ug/l
RT: 11.082 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

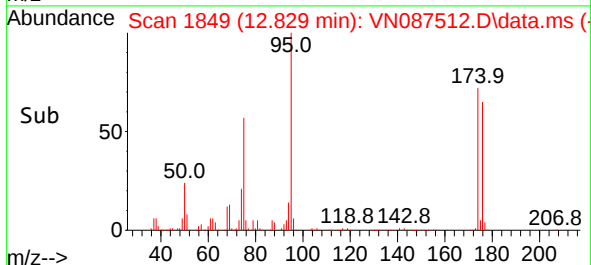
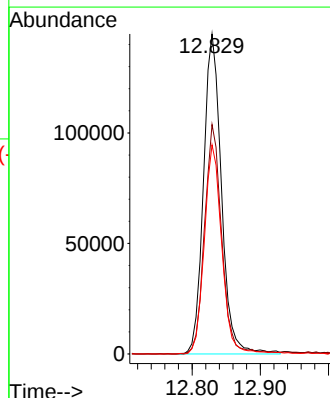
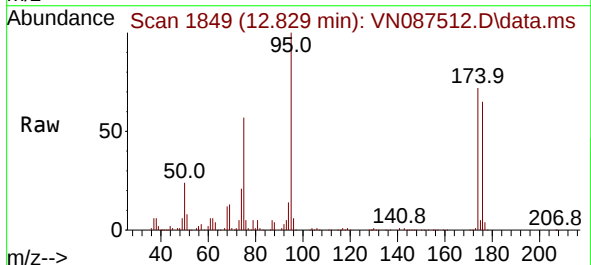
Instrument :
MSVOA_N
ClientSampleId :
1055-MW-01(23)

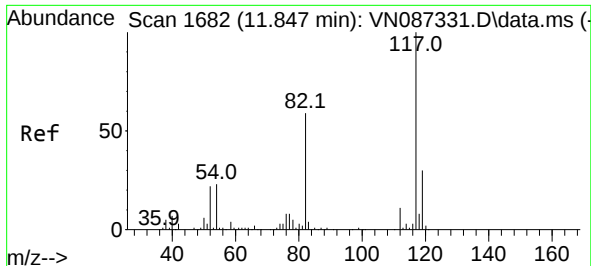
Tgt Ion:129 Resp: 3429197
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.5#



#62
4-Bromofluorobenzene
Concen: 52.506 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Tgt Ion: 95 Resp: 265076
Ion Ratio Lower Upper
95 100
174 68.6 0.0 149.4
176 64.1 0.0 141.2

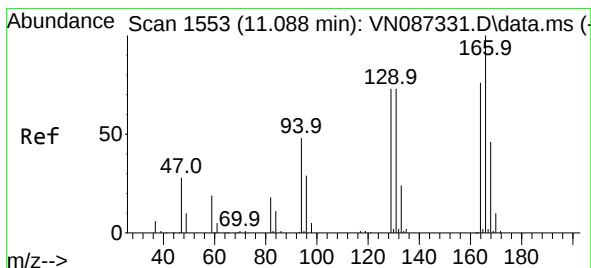
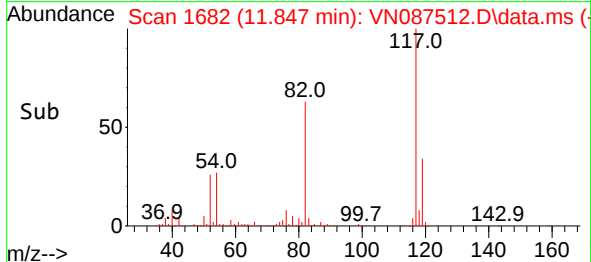
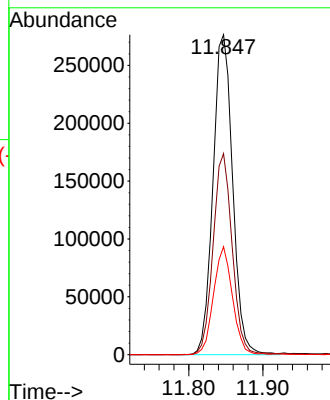
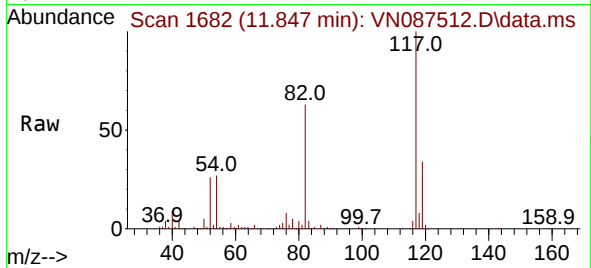




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

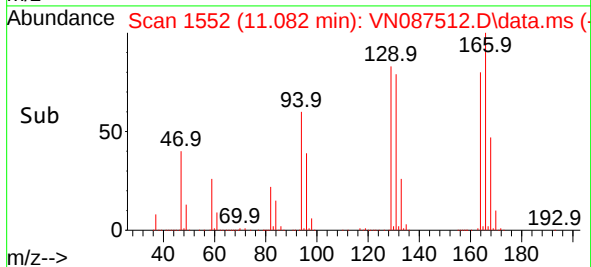
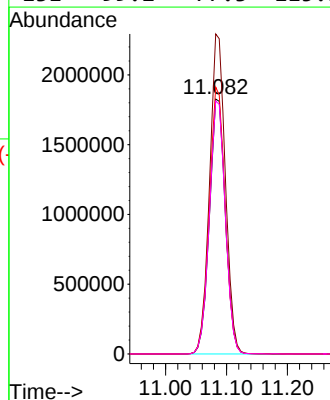
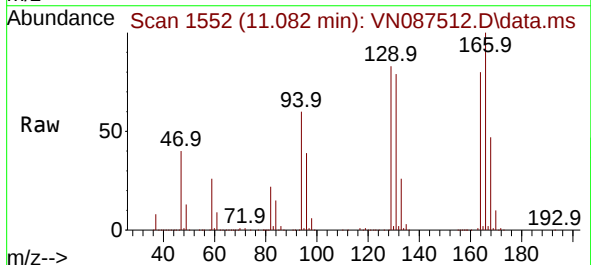
Instrument :
MSVOA_N
ClientSampleId :
1055-MW-01(23)

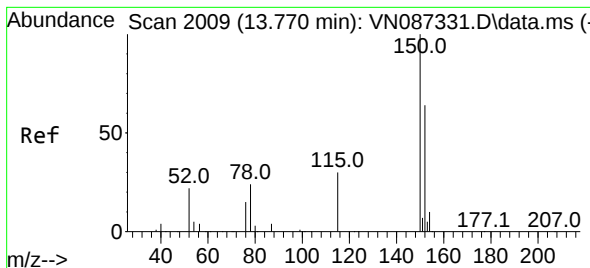
Tgt Ion:117 Resp: 509191
Ion Ratio Lower Upper
117 100
82 62.8 47.4 71.2
119 33.8 23.8 35.8



#64
Tetrachloroethene
Concen: 1007.382 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Tgt Ion:164 Resp: 3301374
Ion Ratio Lower Upper
164 100
166 125.5 105.5 158.3
129 104.7 77.4 116.2
131 99.2 77.3 115.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN087512.D

Acq: 12 Aug 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

1055-MW-01(23)

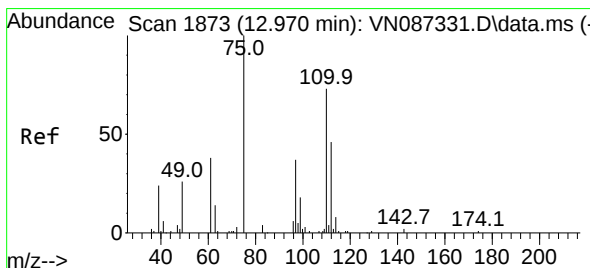
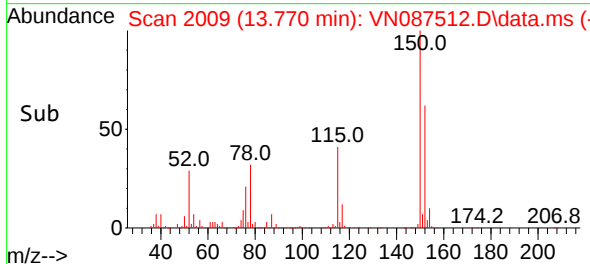
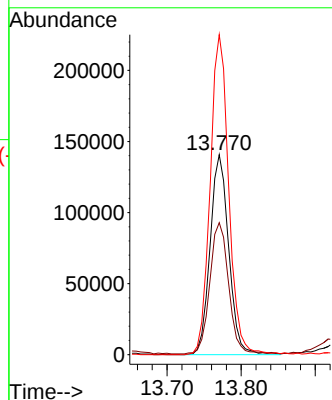
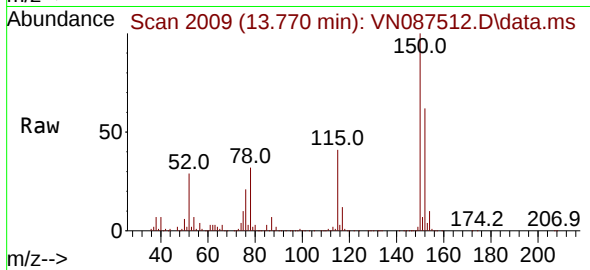
Tgt Ion:152 Resp: 246455

Ion Ratio Lower Upper

152 100

115 66.0 31.1 93.5

150 159.3 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 27.643 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087512.D

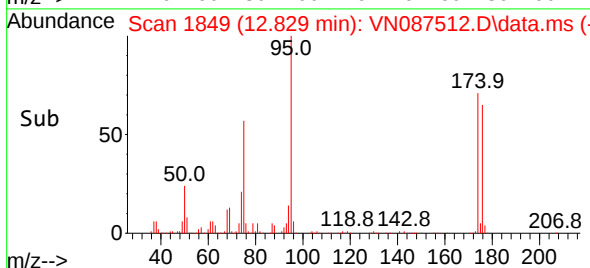
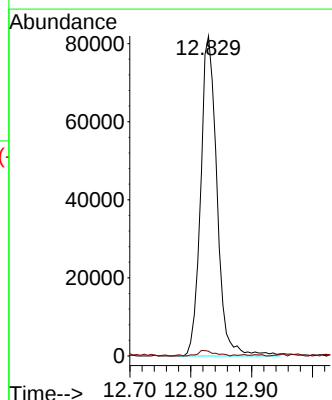
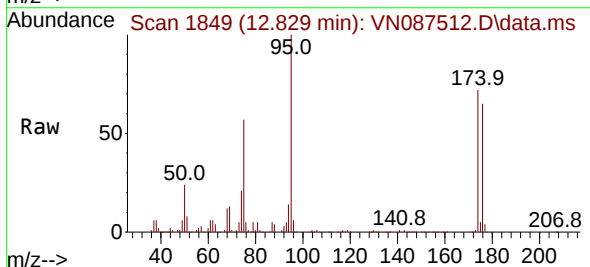
Acq: 12 Aug 2025 14:24

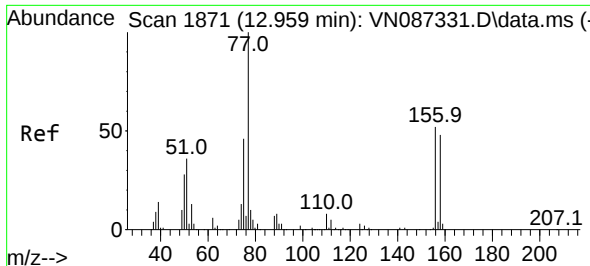
Tgt Ion: 75 Resp: 152772

Ion Ratio Lower Upper

75 100

77 1.8 94.5 283.6#

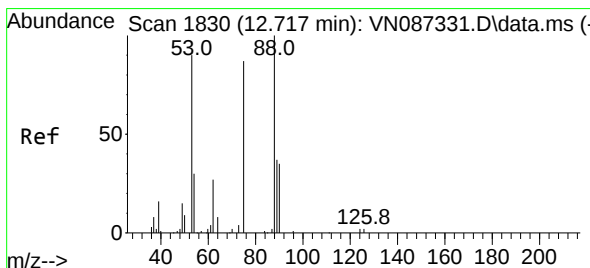
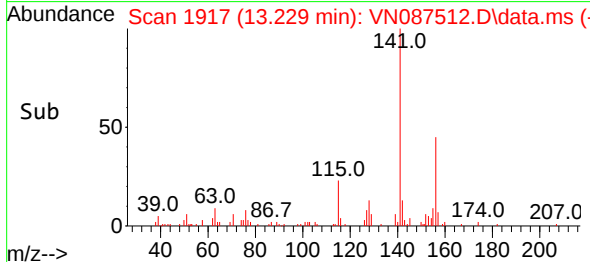
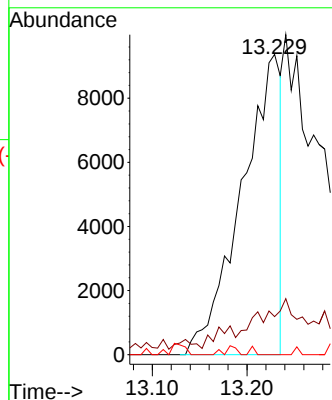
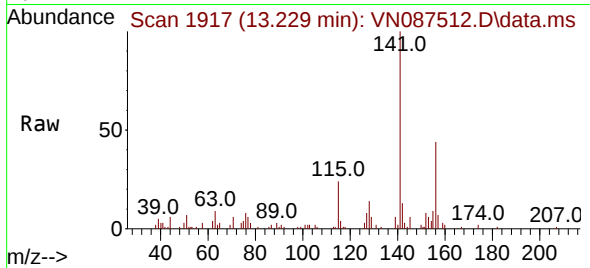




#77
Bromobenzene
Concen: 6.692 ug/l
RT: 13.229 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

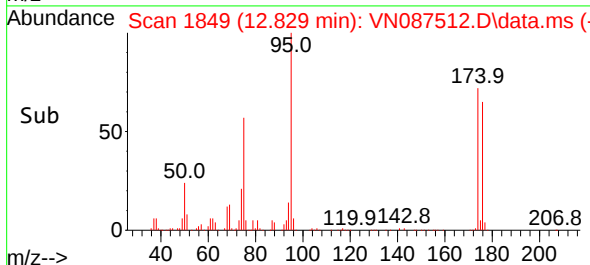
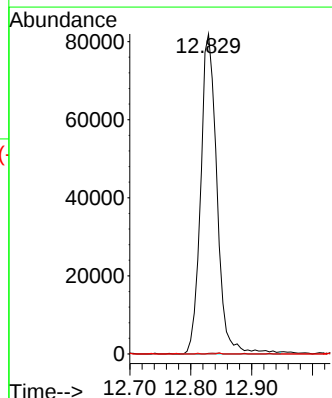
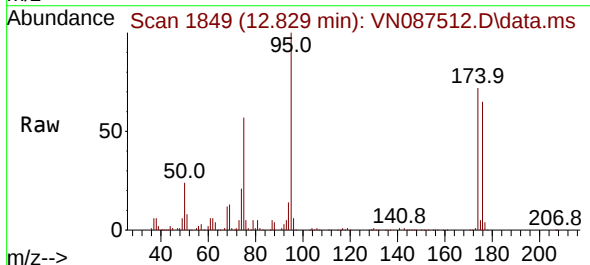
Instrument :
MSVOA_N
ClientSampleId :
1055-MW-01(23)

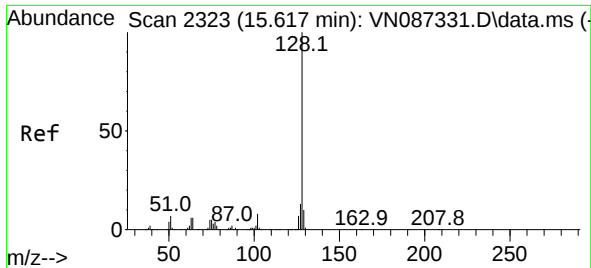
Tgt Ion:156 Resp: 26920
Ion Ratio Lower Upper
156 100
77 0.0 114.9 344.6#
158 0.0 48.5 145.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.636 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087512.D
Acq: 12 Aug 2025 14:24

Tgt Ion: 75 Resp: 152772
Ion Ratio Lower Upper
75 100
53 0.2 83.5 125.3#
89 0.1 38.4 57.6#





#95

Naphthalene

Concen: 0.481 ug/l

RT: 15.582 min Scan# 21

Delta R.T. -0.035 min

Lab File: VN087512.D

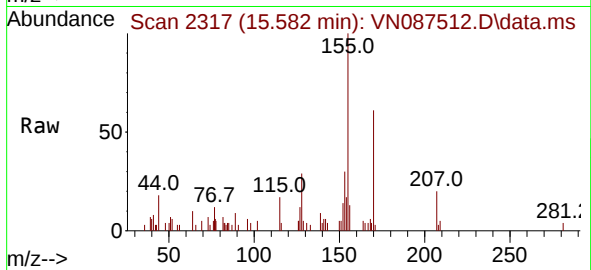
Acq: 12 Aug 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

1055-MW-01(23)



Tgt Ion:128 Resp: 7482

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 2.3 8.4 12.6#

