

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087111.D
 Acq On : 19 Jun 2025 15:03
 Operator : JC\MD
 Sample : Q2333-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Quant Time: Jun 20 01:26:04 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	189269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	379701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	338791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153356	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	133053	52.505	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.020%	
35) Dibromofluoromethane	8.177	113	115113	51.157	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.320%	
50) Toluene-d8	10.565	98	462487	51.919	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.840%	
62) 4-Bromofluorobenzene	12.847	95	161074	48.669	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.340%	

Target Compounds			Qvalue			
3) Chloromethane	2.359	50	851	0.349	ug/l #	43
6) Chloroethane	3.159	64	4460	2.747	ug/l	98
11) Tert butyl alcohol	5.542	59	2964	4.311	ug/l #	73
13) Acrolein	4.171	56	5899	27.103	ug/l #	1
14) Allyl chloride	5.183	41	16572	4.743	ug/l #	34
15) Acrylonitrile	5.830	53	3626	2.256	ug/l #	31
16) Acetone	4.453	43	61661	45.884	ug/l	100
18) Methyl Acetate	5.148	43	5532	1.413	ug/l #	49
19) Methyl tert-butyl Ether	5.812	73	22147	2.904	ug/l #	1
20) Methylene Chloride	5.365	84	708	0.281	ug/l #	1
23) Vinyl Acetate	6.606	43	4640	0.746	ug/l #	69
25) 2-Butanone	7.500	43	28998	13.275	ug/l	92
26) 2,2-Dichloropropane	7.342	77	2913	0.884	ug/l #	52
31) Cyclohexane	8.271	56	150224	36.550	ug/l	91
36) 1,1-Dichloropropene	8.230	75	14170	4.226	ug/l #	49
37) Ethyl Acetate	7.500	43	28998	6.794	ug/l #	66
38) Carbon Tetrachloride	8.230	117	17740	5.389	ug/l #	17
39) Methylcyclohexane	9.606	83	86788	18.893	ug/l	97
40) Benzene	8.612	78	2159953	196.995	ug/l	99
42) 1,2-Dichloroethane	8.677	62	2715	0.816	ug/l	91
43) Isopropyl Acetate	8.712	43	5771	0.842	ug/l #	53
45) 1,2-Dichloropropane	9.600	63	787	0.295	ug/l #	51
47) Bromodichloromethane	9.783	83	1619	0.444	ug/l #	25
48) Methyl methacrylate	9.606	41	41035	13.014	ug/l #	75
51) 4-Methyl-2-Pentanone	10.453	43	9003	2.183	ug/l	94
52) Toluene	10.630	92	388686	58.007	ug/l	100
55) 1,1,2-Trichloroethane	11.006	97	6153	2.386	ug/l #	18
56) Ethyl methacrylate	10.906	69	2531	0.616	ug/l #	79
58) 2-Chloroethyl Vinyl ether	10.194	63	1990	0.812	ug/l #	46
59) 2-Hexanone	11.071	43	6621	2.492	ug/l	82
65) Chlorobenzene	12.041	112	5127	0.686	ug/l #	61
67) Ethyl Benzene	11.965	91	9435127	733.073	ug/l	97
68) m/p-Xylenes	12.076	106	1831713	371.779	ug/l	97
69) o-Xylene	12.394	106	824044	174.635	ug/l	97
70) Styrene	12.406	104	85923	10.641	ug/l #	1
71) Bromoform	12.841	173	797	0.448	ug/l #	1

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 QLast Update : Sat Jun 07 02:12:50 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

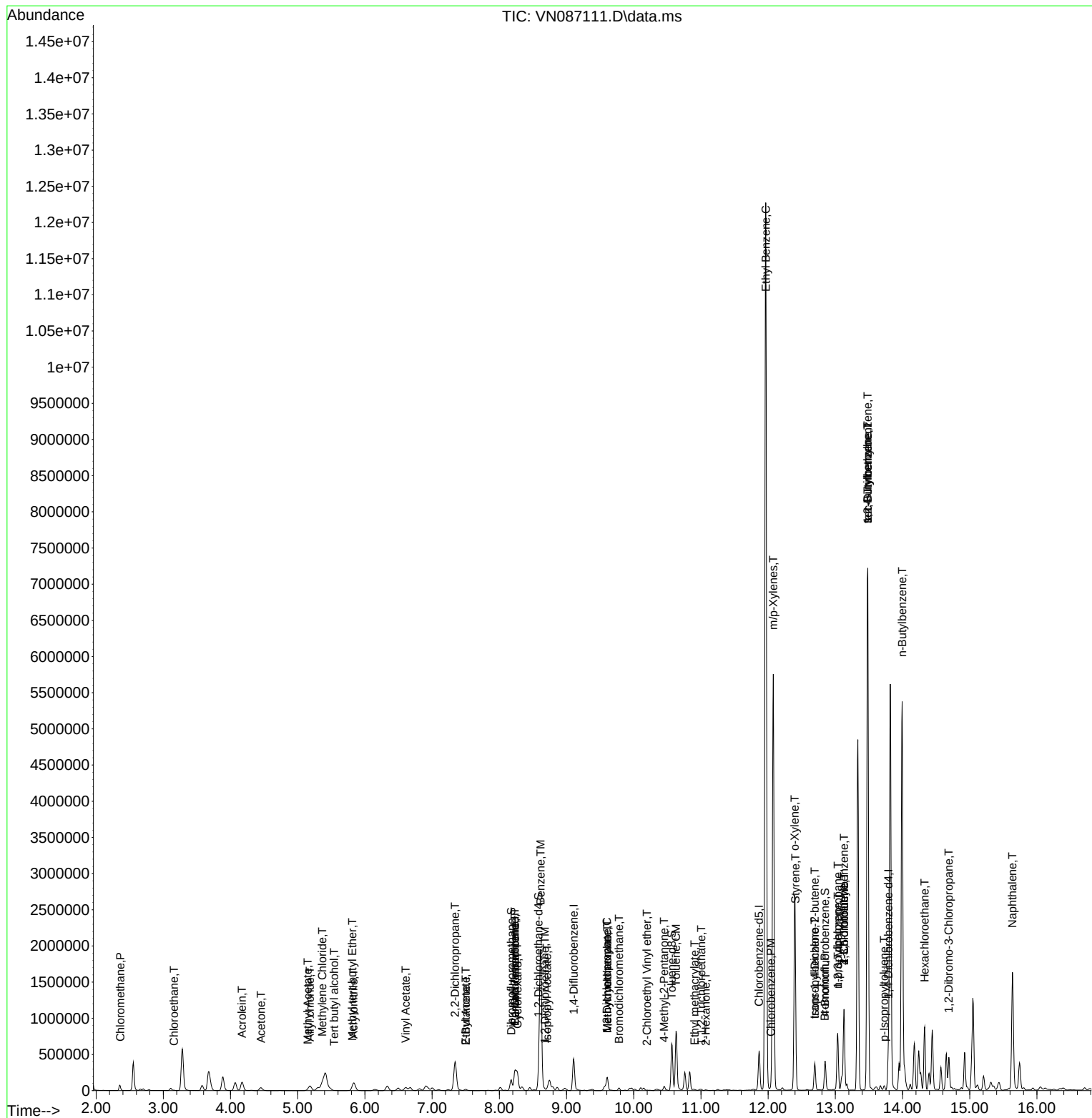
73) Isopropylbenzene	12.694	105	263132	23.553	ug/l	99
76) 1,2,3-Trichloropropane	13.035	75	3558	0.976	ug/l #	1
78) n-propylbenzene	13.035	91	666280	49.074	ug/l	99
79) 2-Chlorotoluene	13.129	91	84045	10.322	ug/l #	43
80) 1,3,5-Trimethylbenzene	13.129	105	922083	99.967	ug/l	68
81) trans-1,4-Dichloro-2-b...	12.694	75	2662	1.681	ug/l #	32
82) 4-Chlorotoluene	13.129	91	84045	10.201	ug/l #	42
83) tert-Butylbenzene	13.482	119	552455	65.431	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.482	105	4427688	478.699	ug/l	99
85) sec-Butylbenzene	13.482	105	4426638	361.017	ug/l #	56
86) p-Isopropyltoluene	13.723	119	25694	2.535	ug/l #	78
89) n-Butylbenzene	13.994	91	420582	42.840	ug/l #	43
90) Hexachloroethane	14.329	117	45470	26.466	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.688	75	1667	1.842	ug/l #	2
95) Naphthalene	15.635	128	1599639	138.963	ug/l	100

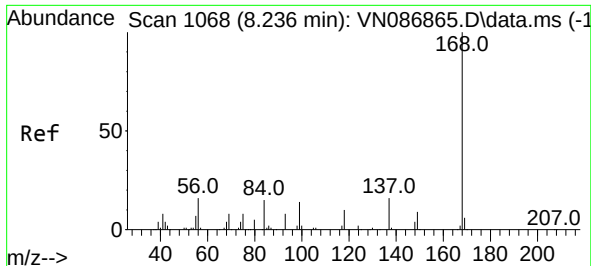
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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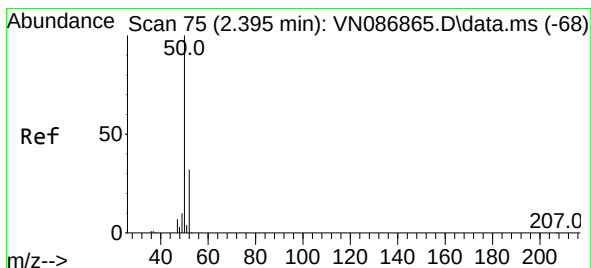
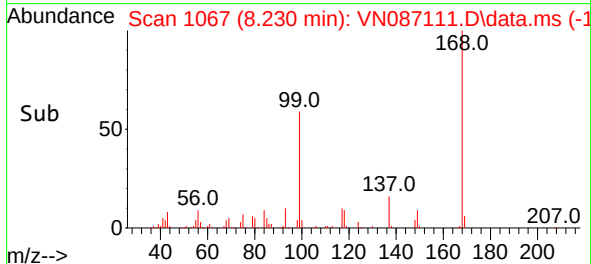
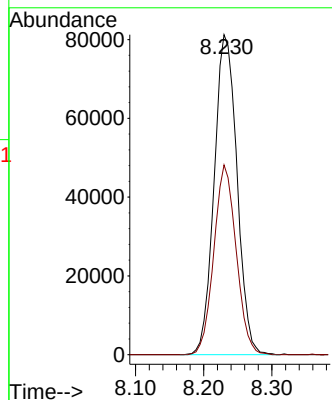
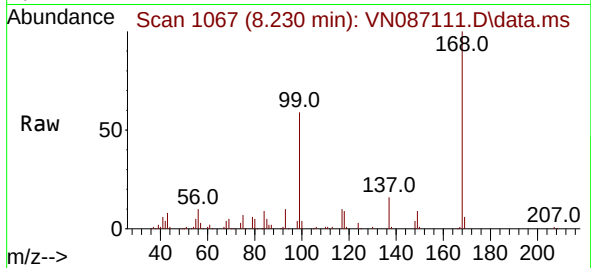




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

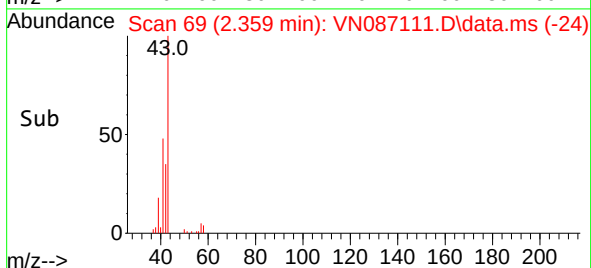
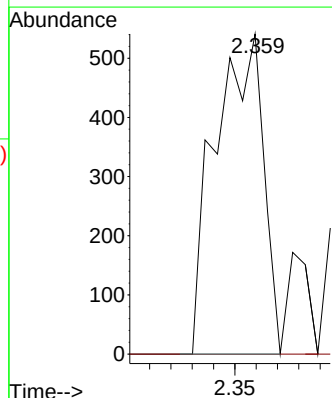
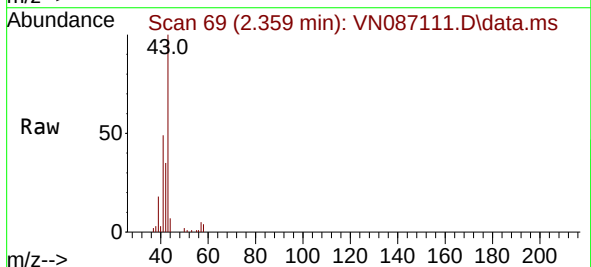
Instrument :
MSVOA_N
ClientSampleId :
MW-12

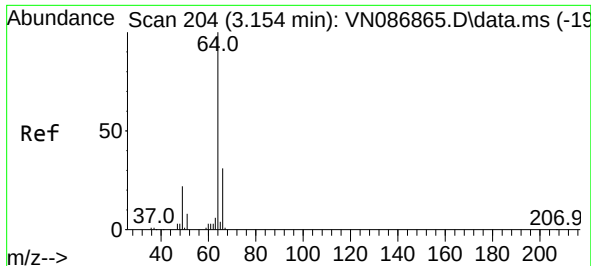
Tgt Ion:168 Resp: 189269
Ion Ratio Lower Upper
168 100
99 59.3 49.1 73.7



#3
Chloromethane
Concen: 0.349 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.035 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 50 Resp: 851
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

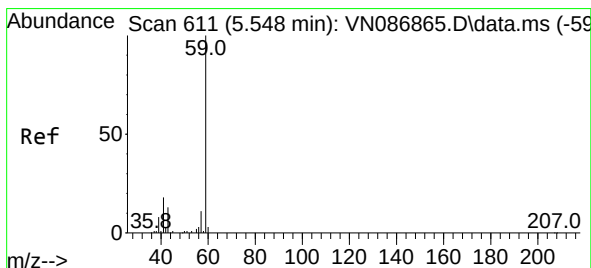
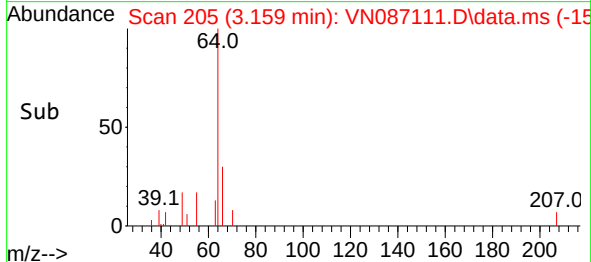
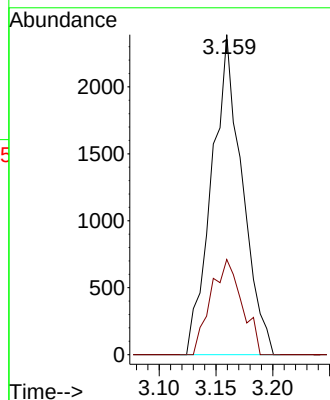
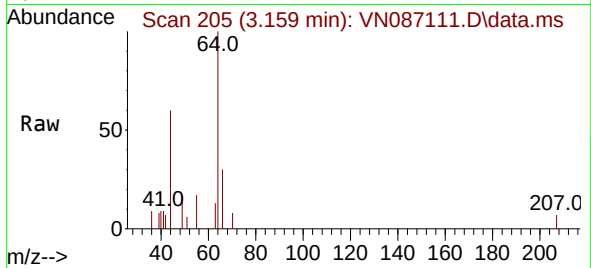




#6
Chloroethane
Concen: 2.747 ug/l
RT: 3.159 min Scan# 204
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

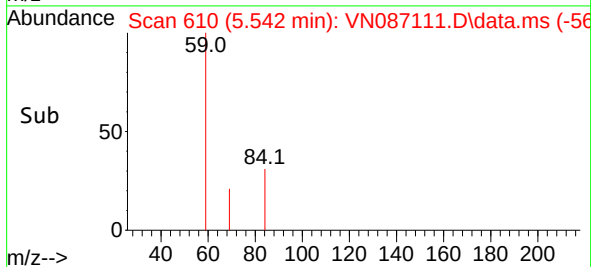
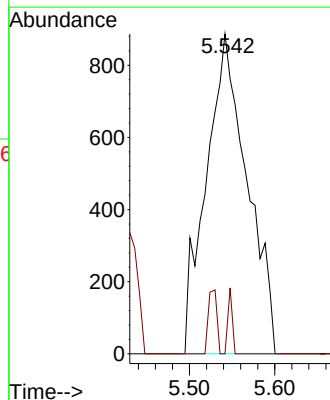
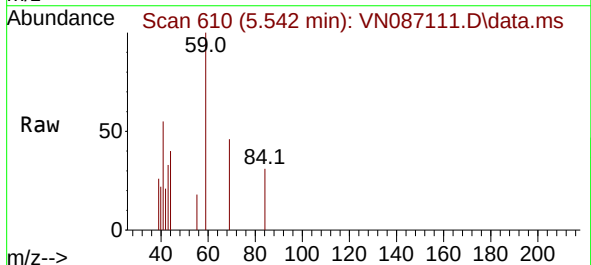
Instrument :
MSVOA_N
ClientSampleId :
MW-12

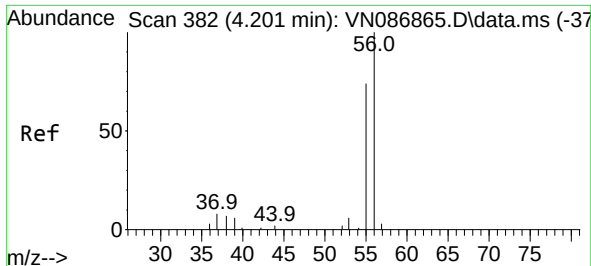
Tgt Ion: 64 Resp: 4460
Ion Ratio Lower Upper
64 100
66 29.7 24.6 36.8



#11
Tert butyl alcohol
Concen: 4.311 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 59 Resp: 2964
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

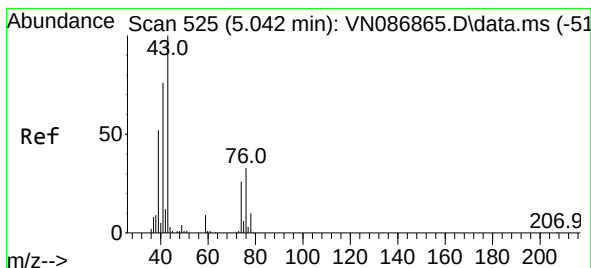
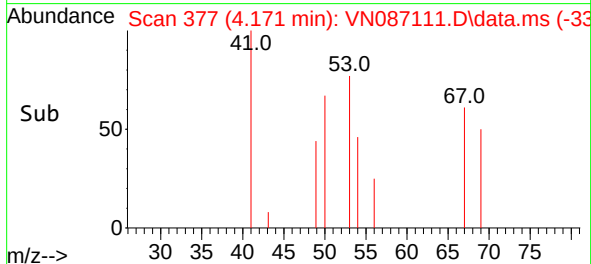
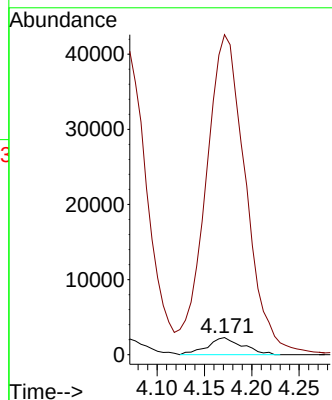
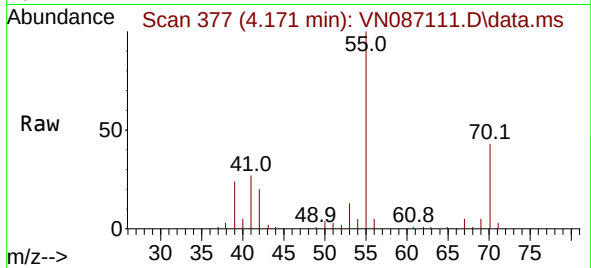




#13
Acrolein
Concen: 27.103 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.029 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

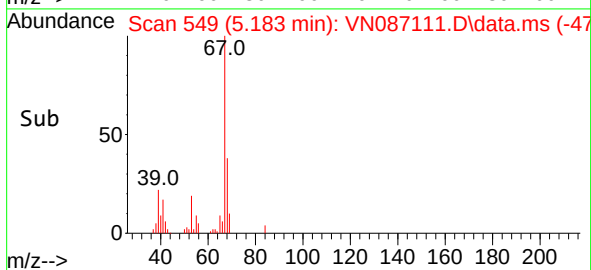
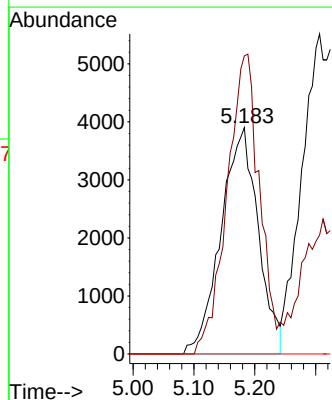
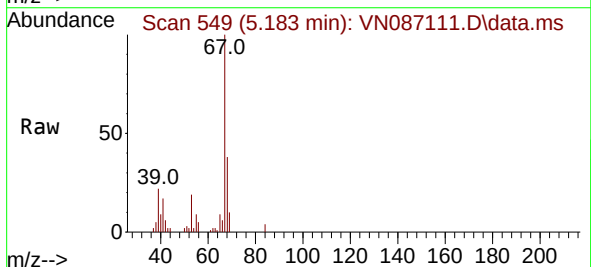
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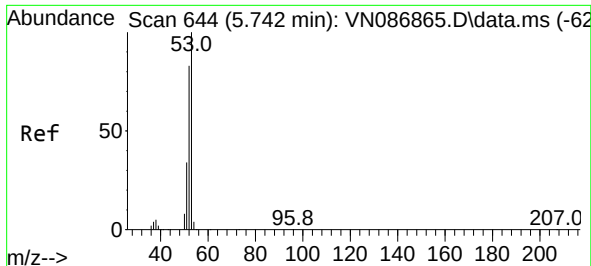
Tgt Ion: 56 Resp: 5899
Ion Ratio Lower Upper
56 100
55 2088.8 55.6 83.4#



#14
Allyl chloride
Concen: 4.743 ug/l
RT: 5.183 min Scan# 549
Delta R.T. 0.141 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 41 Resp: 16572
Ion Ratio Lower Upper
41 100
39 117.1 51.3 76.9#
76 0.0 31.4 47.0#

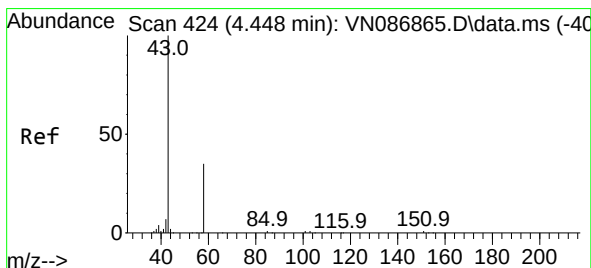
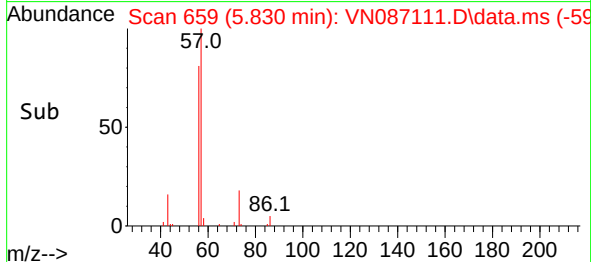
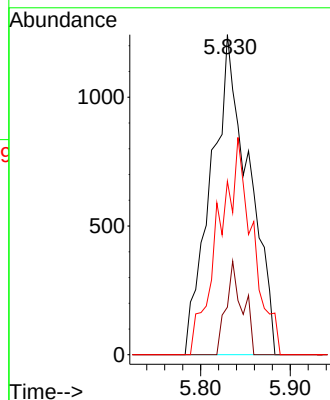
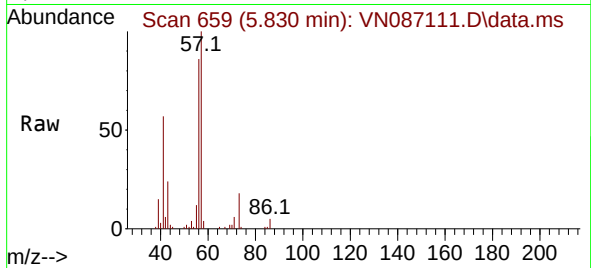




#15
Acrylonitrile
Concen: 2.256 ug/l
RT: 5.830 min Scan# 61
Delta R.T. 0.088 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

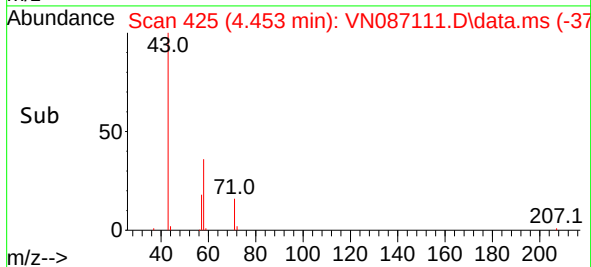
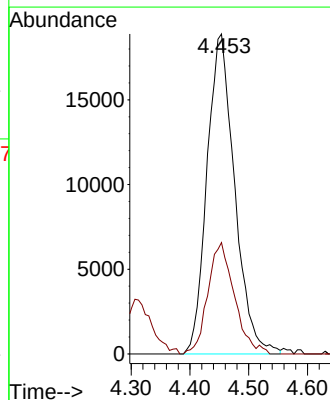
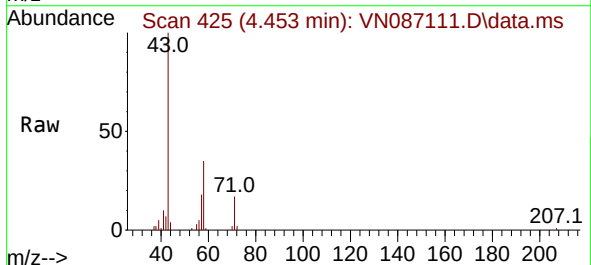
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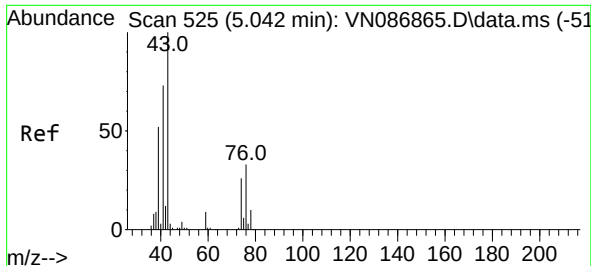
Tgt Ion: 53 Resp: 3626
Ion Ratio Lower Upper
53 100
52 12.7 65.0 97.6#
51 61.6 27.2 40.8#



#16
Acetone
Concen: 45.884 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 43 Resp: 61661
Ion Ratio Lower Upper
43 100
58 34.8 28.0 42.0

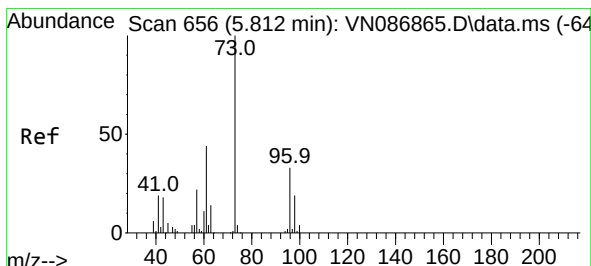
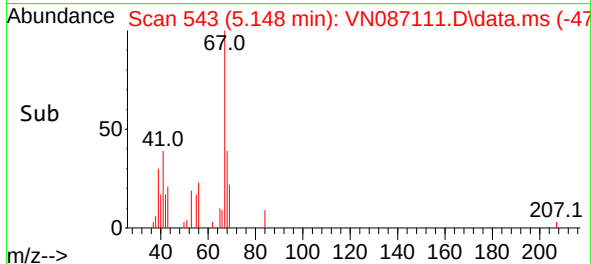
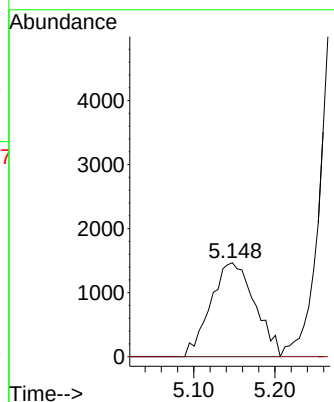
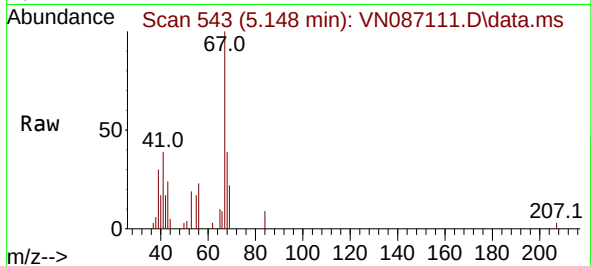




#18
Methyl Acetate
Concen: 1.413 ug/l
RT: 5.148 min Scan# 543
Delta R.T. 0.106 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

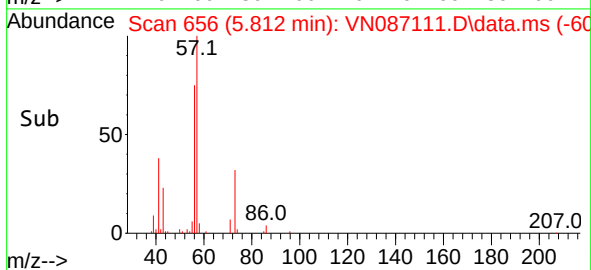
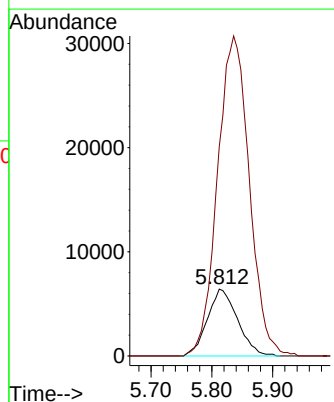
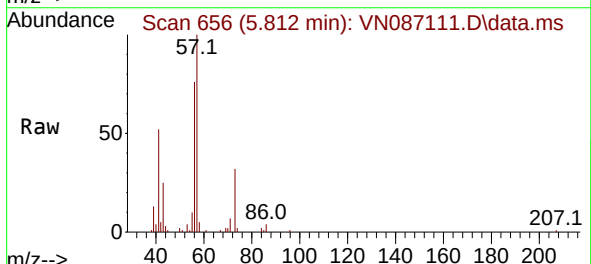
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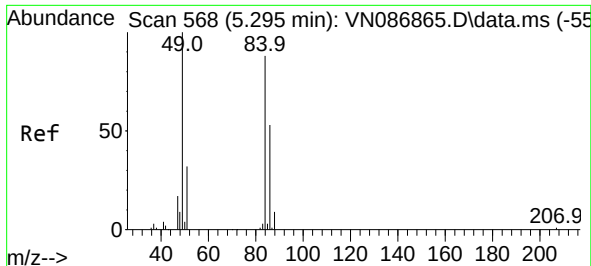
Tgt Ion: 43 Resp: 5532
Ion Ratio Lower Upper
43 100
74 0.0 20.7 31.1#



#19
Methyl tert-butyl Ether
Concen: 2.904 ug/l
RT: 5.812 min Scan# 656
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 73 Resp: 22147
Ion Ratio Lower Upper
73 100
57 312.8 17.4 26.2#

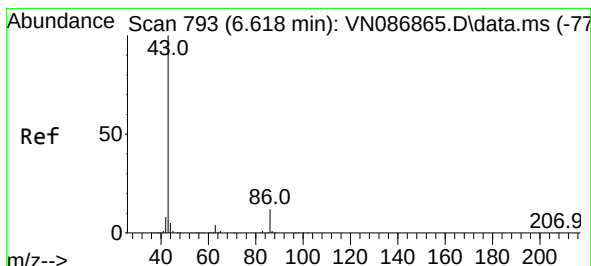
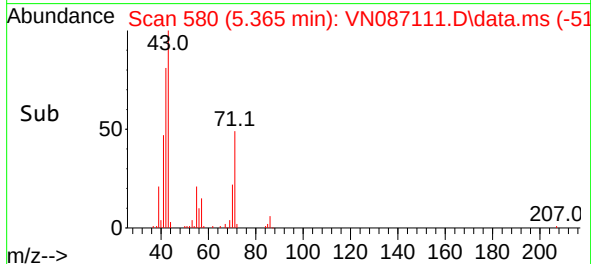
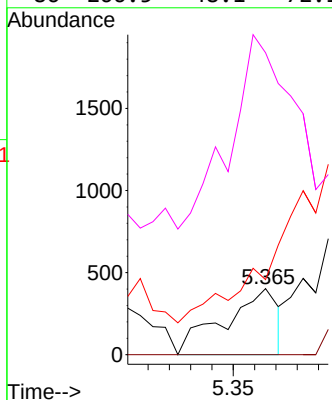
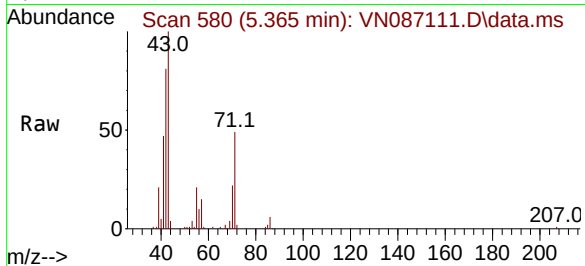




#20
Methylene Chloride
Concen: 0.281 ug/l
RT: 5.365 min Scan# 51
Delta R.T. 0.071 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

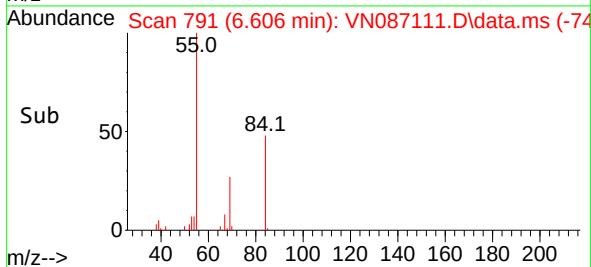
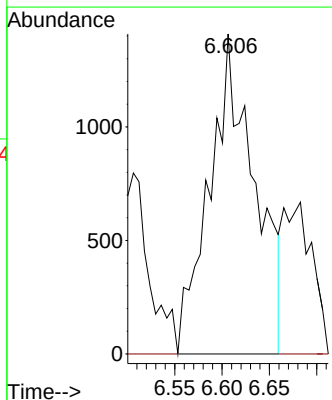
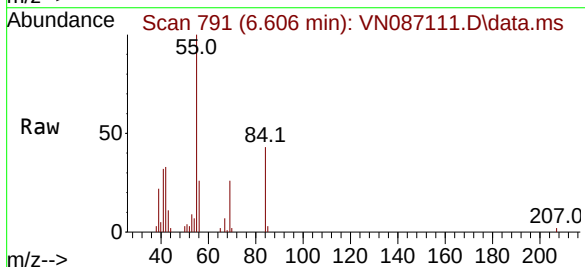
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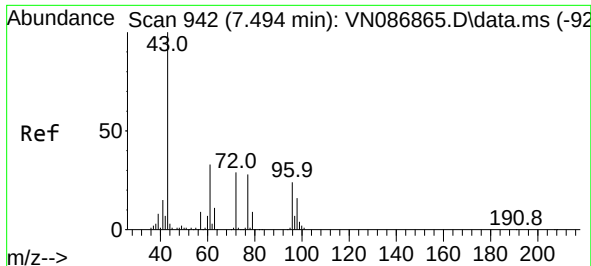
Tgt Ion: 84 Resp: 708
Ion Ratio Lower Upper
84 100
49 0.0 90.5 135.7#
51 65.3 28.5 42.7#
86 266.5 48.1 72.1#



#23
Vinyl Acetate
Concen: 0.746 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.012 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 43 Resp: 4640
Ion Ratio Lower Upper
43 100
86 0.0 9.5 14.3#

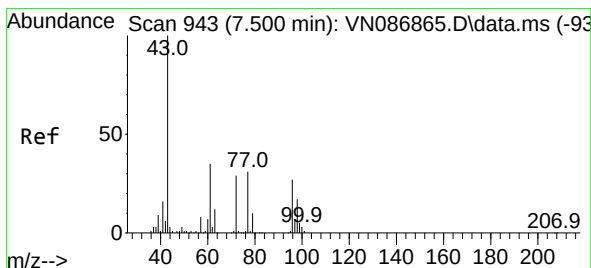
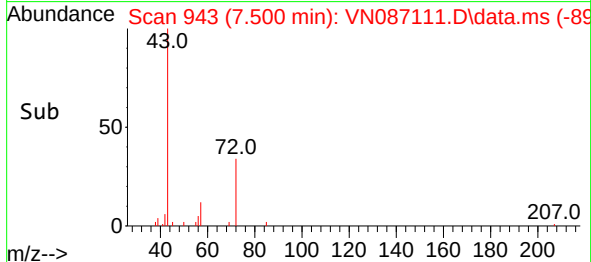
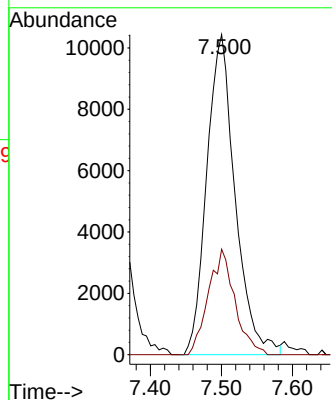
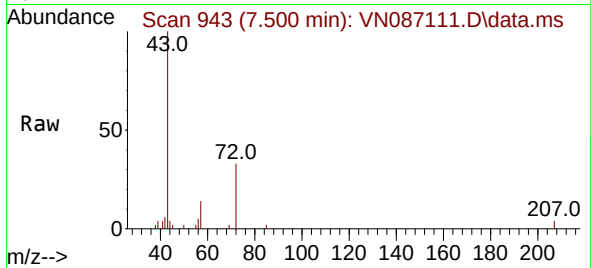




#25
2-Butanone
Concen: 13.275 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

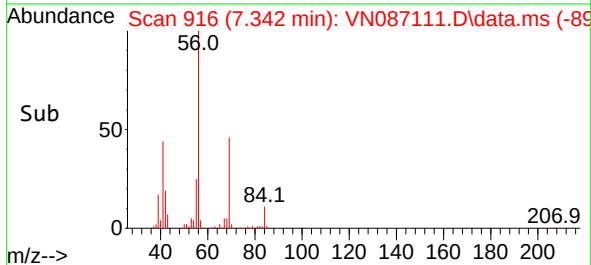
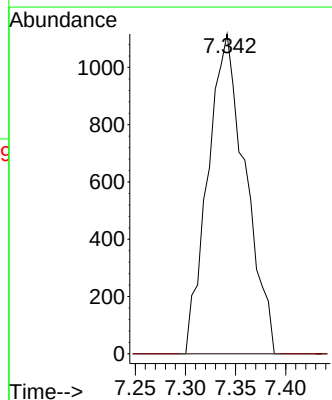
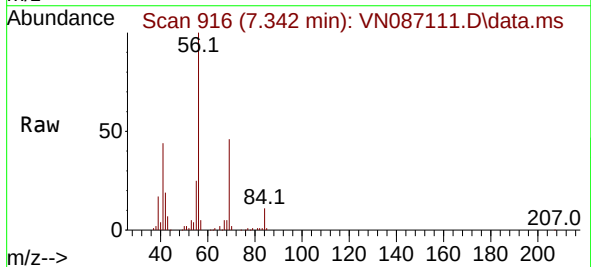
Instrument :
MSVOA_N
ClientSampleId :
MW-12

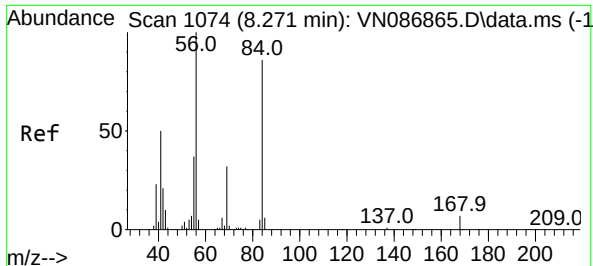
Tgt Ion: 43 Resp: 28998
Ion Ratio Lower Upper
43 100
72 33.0 23.0 34.6



#26
2,2-Dichloropropane
Concen: 0.884 ug/l
RT: 7.342 min Scan# 916
Delta R.T. -0.159 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 77 Resp: 2913
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.7#

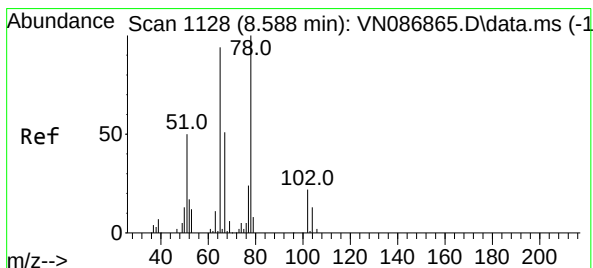
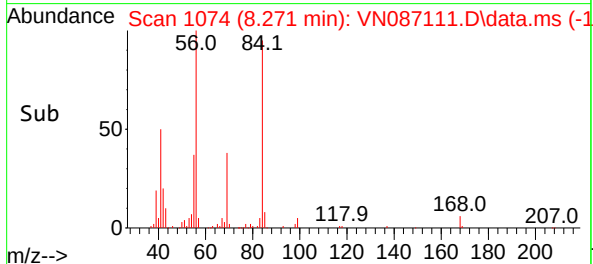
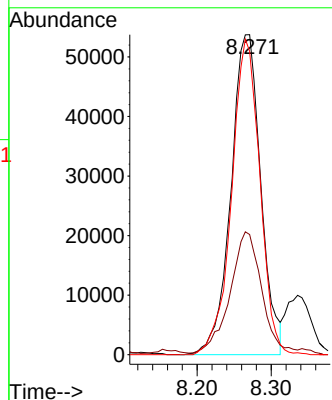
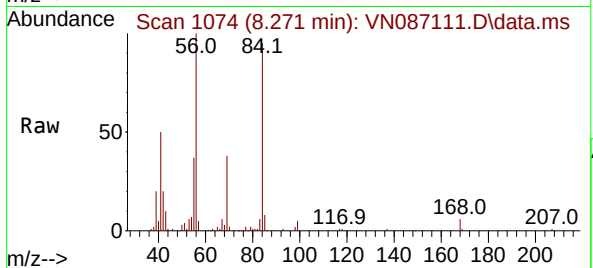




#31
Cyclohexane
Concen: 36.550 ug/l
RT: 8.271 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

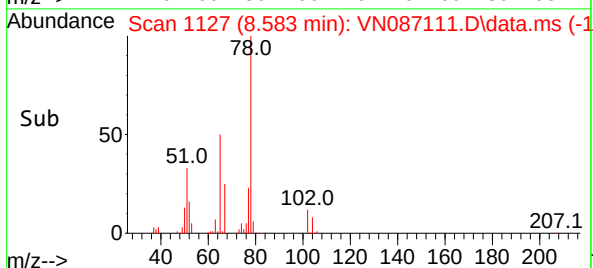
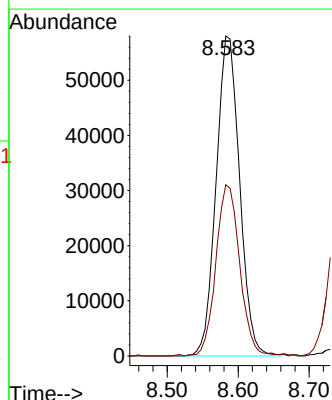
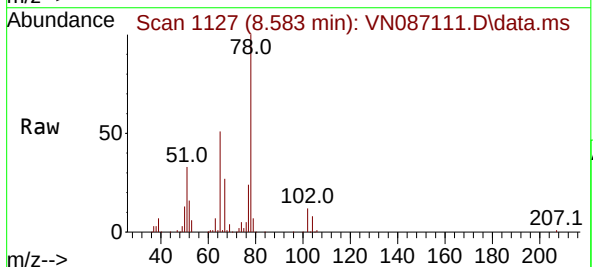
Instrument :
MSVOA_N
ClientSampleId :
MW-12

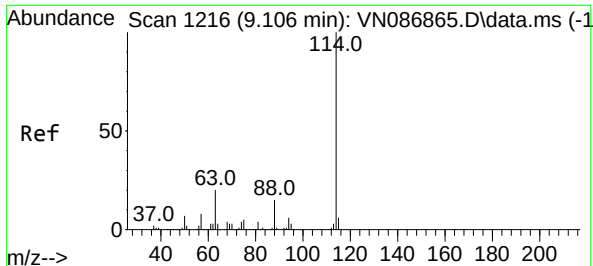
Tgt Ion: 56 Resp: 150224
Ion Ratio Lower Upper
56 100
69 36.7 25.4 38.0
84 94.8 68.8 103.2



#33
1,2-Dichloroethane-d4
Concen: 52.505 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 65 Resp: 133053
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.6

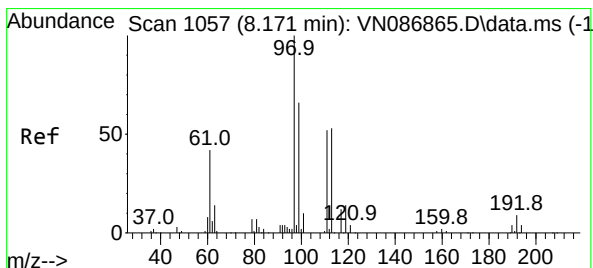
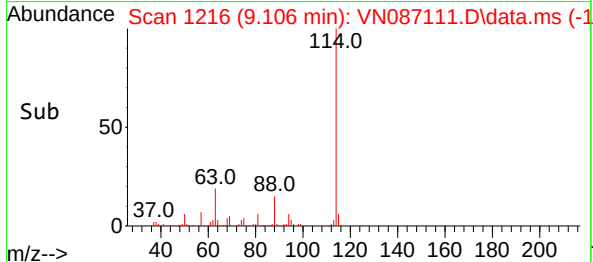
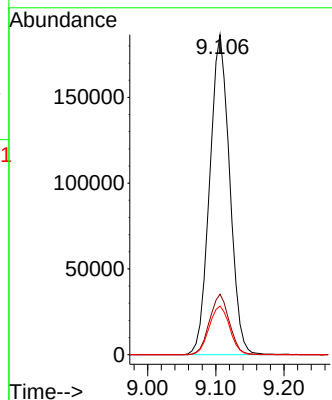
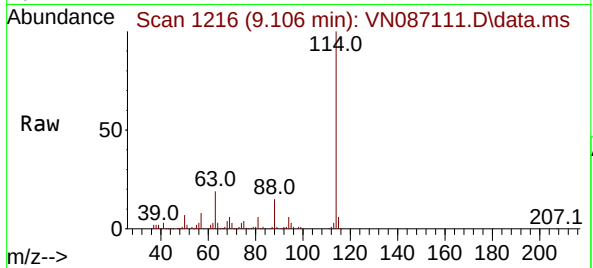




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

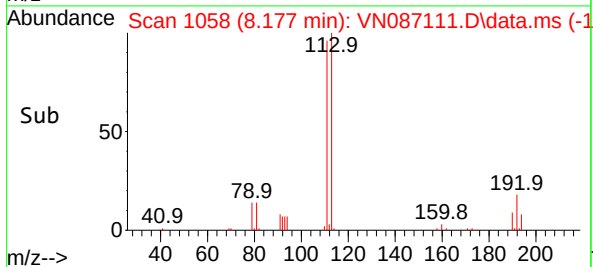
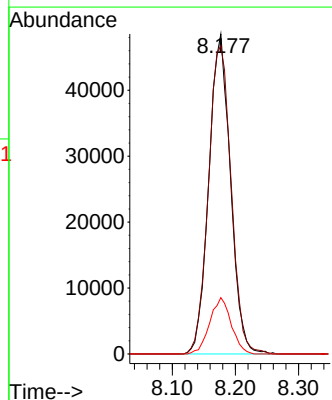
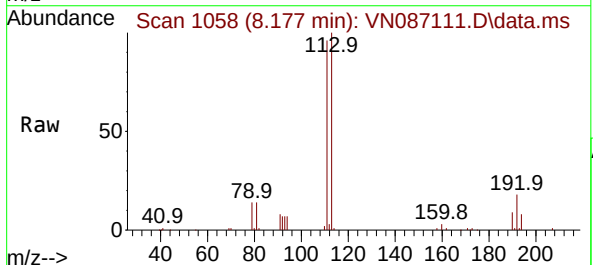
Instrument :
MSVOA_N
ClientSampleId :
MW-12

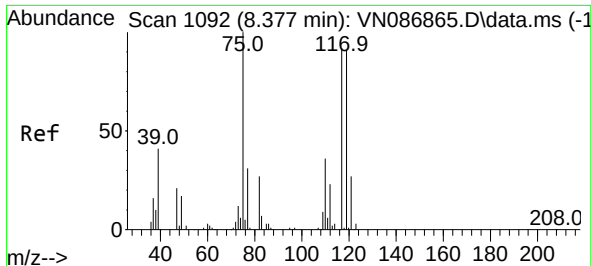
Tgt Ion:114 Resp: 379701
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.6
88 15.2 0.0 30.2



#35
Dibromofluoromethane
Concen: 51.157 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion:113 Resp: 115113
Ion Ratio Lower Upper
113 100
111 101.6 84.2 126.2
192 17.5 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.226 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-12

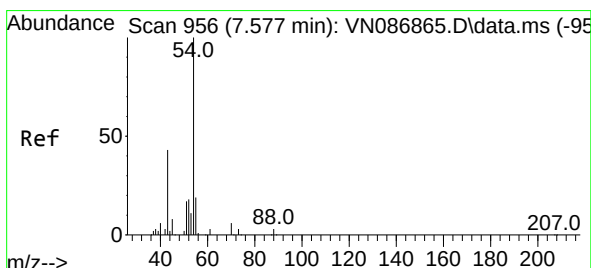
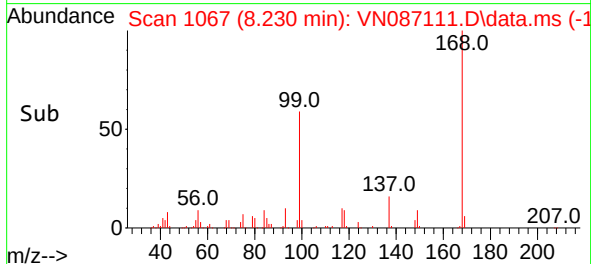
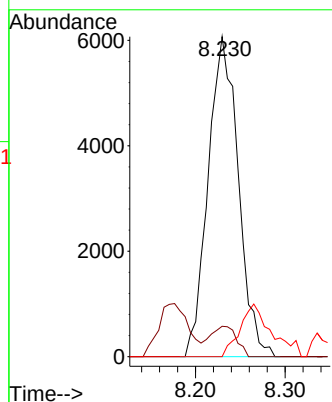
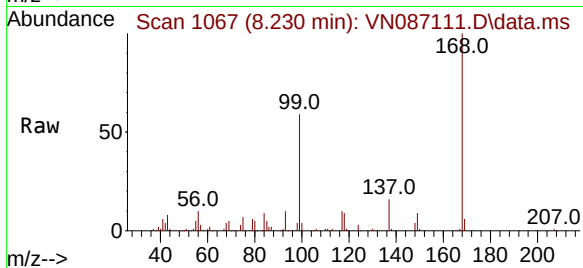
Tgt Ion: 75 Resp: 14170

Ion Ratio Lower Upper

75 100

110 8.3 17.6 52.9#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 6.794 ug/l

RT: 7.500 min Scan# 943

Delta R.T. -0.076 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

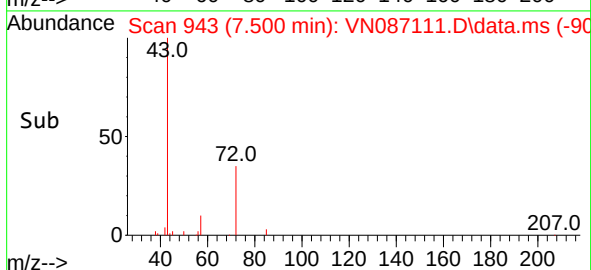
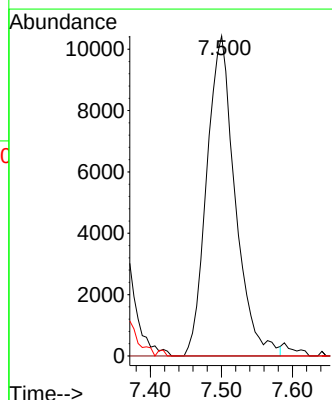
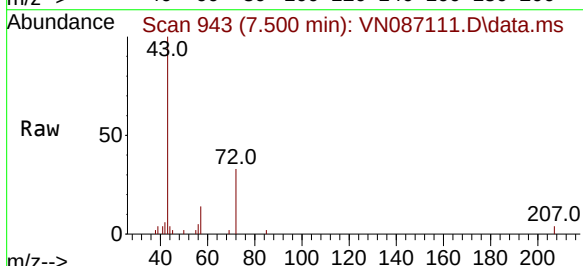
Tgt Ion: 43 Resp: 28998

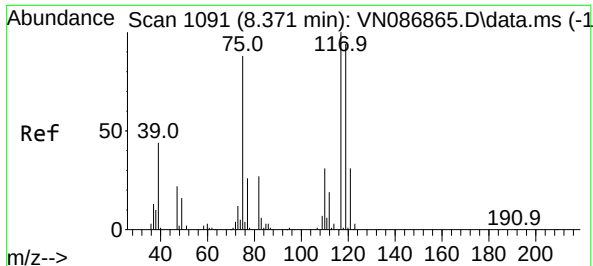
Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.0 9.8 14.6#

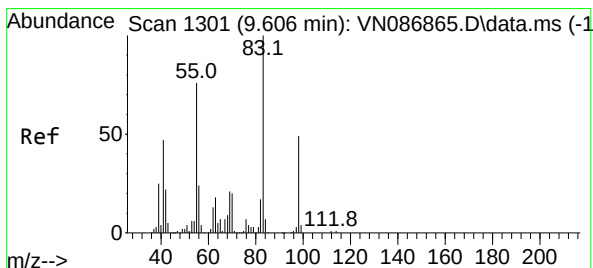
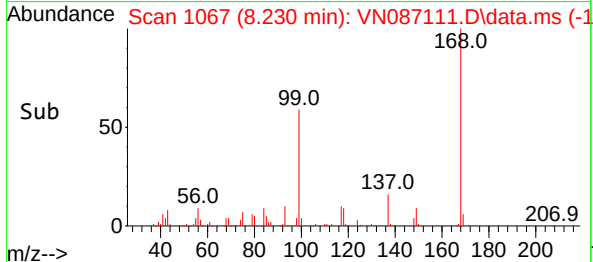
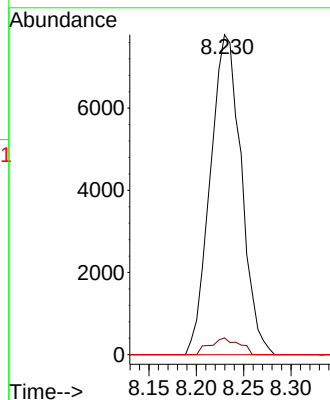
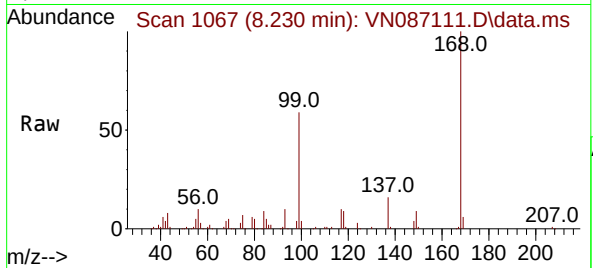




#38
Carbon Tetrachloride
Concen: 5.389 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

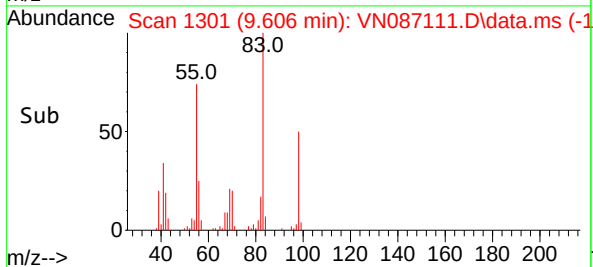
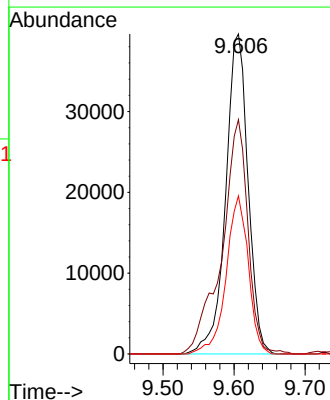
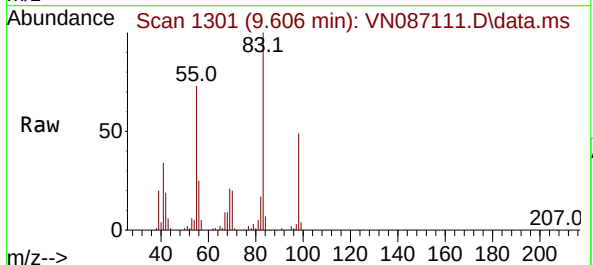
Instrument :
MSVOA_N
ClientSampleId :
MW-12

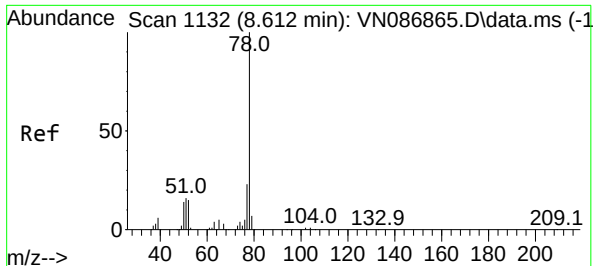
Tgt Ion: 117 Resp: 17740
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 24.9 37.3#



#39
Methylcyclohexane
Concen: 18.893 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 83 Resp: 86788
Ion Ratio Lower Upper
83 100
55 73.2 61.0 91.6
98 49.4 38.9 58.3

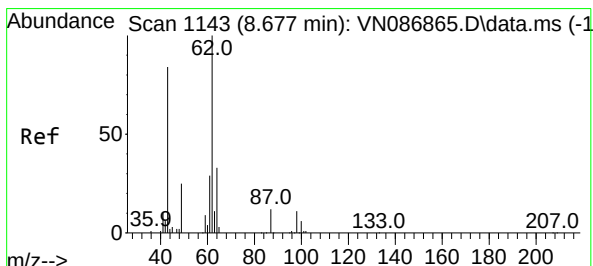
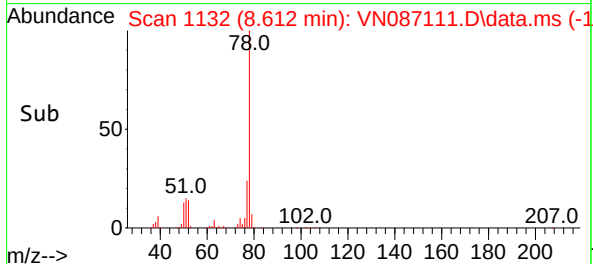
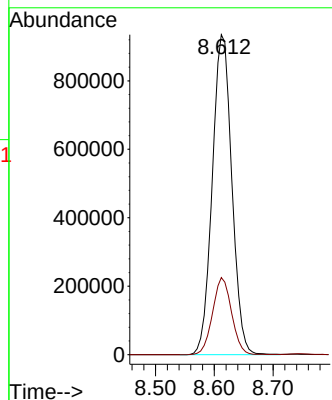
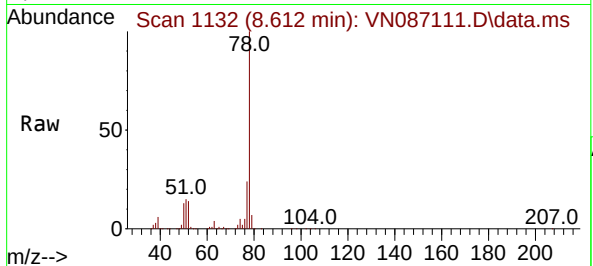




#40
Benzene
Concen: 196.995 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

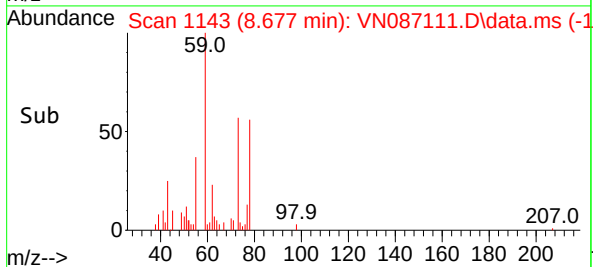
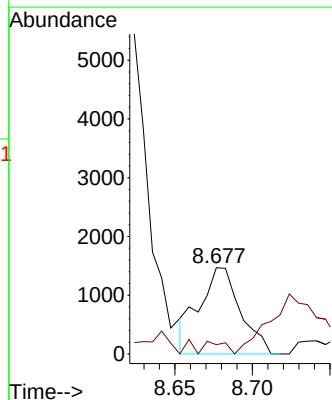
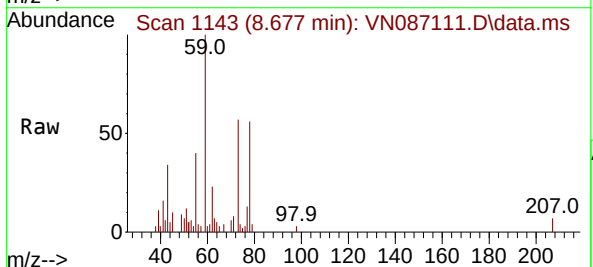
Instrument :
MSVOA_N
ClientSampleId :
MW-12

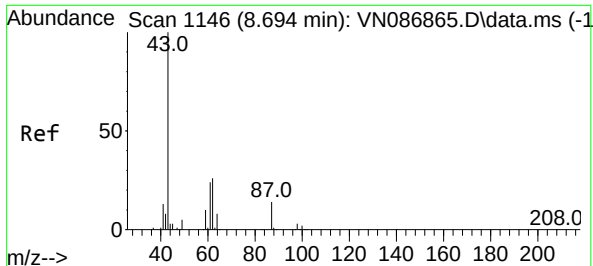
Tgt Ion: 78 Resp: 2159953
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1



#42
1,2-Dichloroethane
Concen: 0.816 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 62 Resp: 2715
Ion Ratio Lower Upper
62 100
98 7.3 0.0 21.2

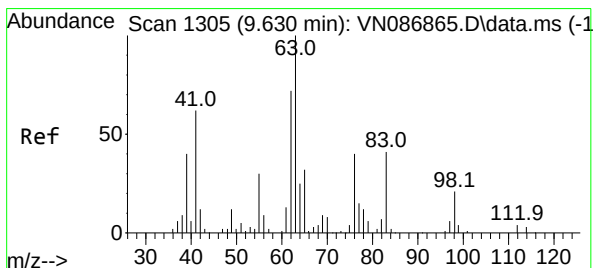
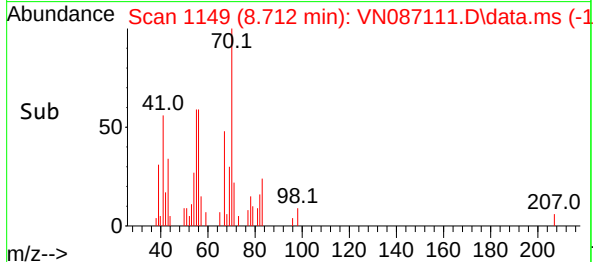
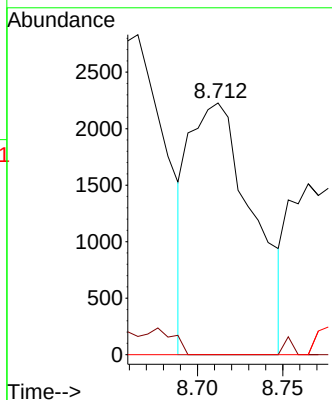
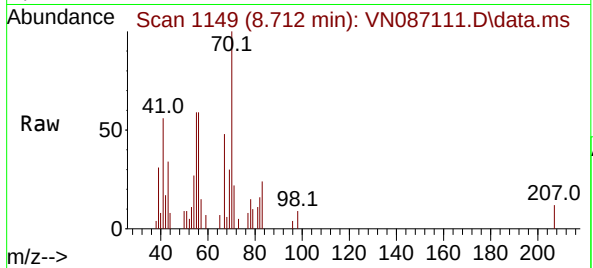




#43
Isopropyl Acetate
Concen: 0.842 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.018 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

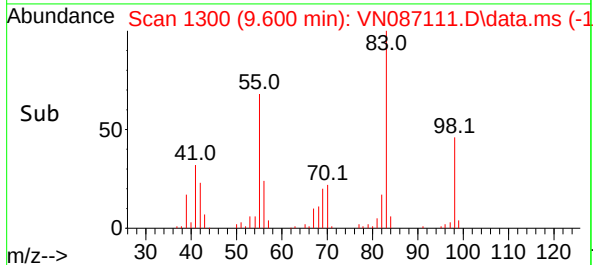
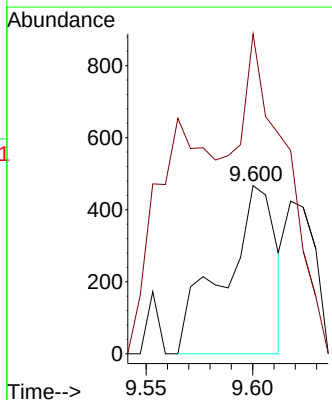
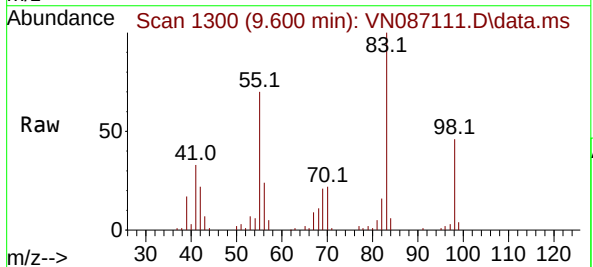
Instrument :
MSVOA_N
ClientSampleId :
MW-12

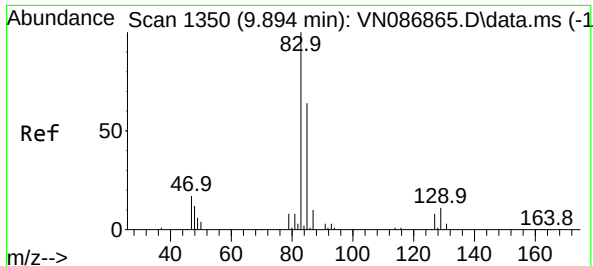
Tgt Ion: 43 Resp: 5771
Ion Ratio Lower Upper
43 100
61 0.0 22.1 33.1#
87 0.0 11.8 17.6#



#45
1,2-Dichloropropane
Concen: 0.295 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.029 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 63 Resp: 787
Ion Ratio Lower Upper
63 100
65 59.1 25.5 38.3#





#47

Bromodichloromethane

Concen: 0.444 ug/l

RT: 9.783 min Scan# 1

Delta R.T. -0.112 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-12

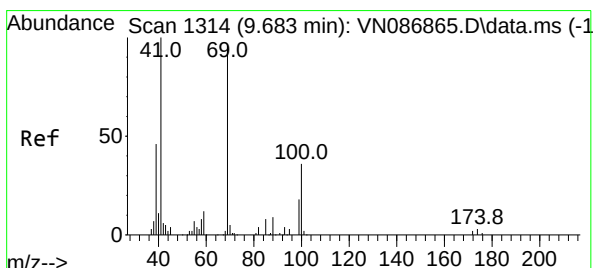
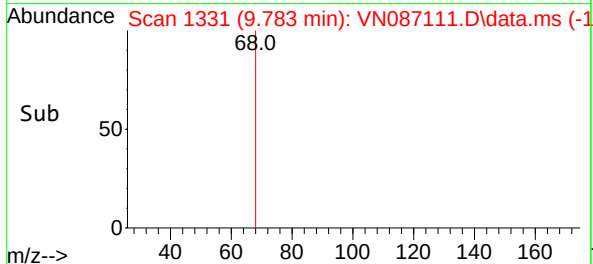
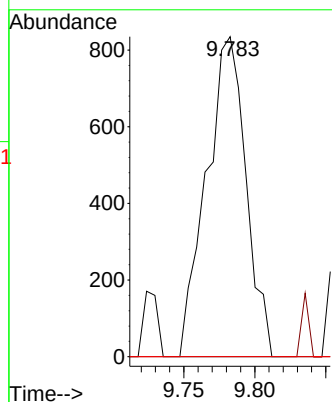
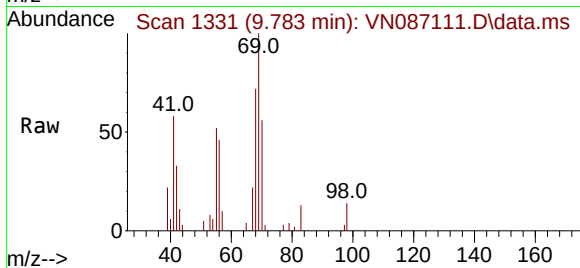
Tgt Ion: 83 Resp: 1619

Ion Ratio Lower Upper

83 100

85 0.0 50.9 76.3#

127 0.0 6.6 10.0#



#48

Methyl methacrylate

Concen: 13.014 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.076 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

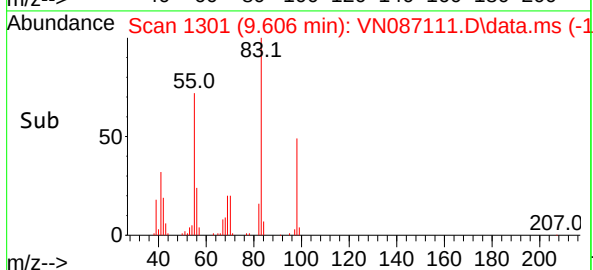
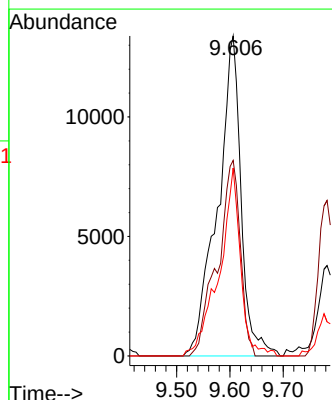
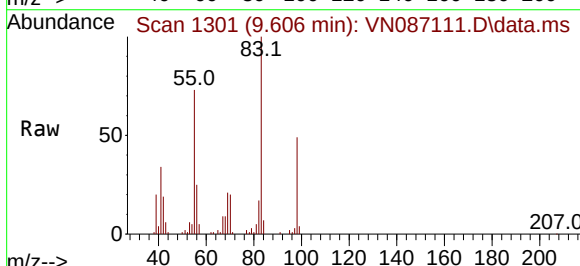
Tgt Ion: 41 Resp: 41035

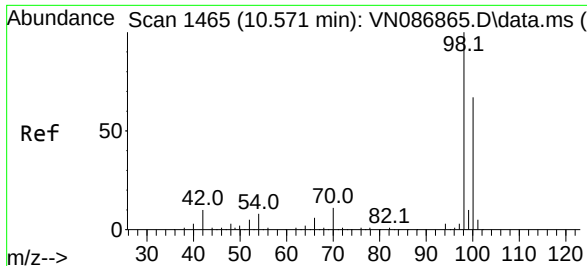
Ion Ratio Lower Upper

41 100

69 59.2 74.6 112.0#

39 53.2 40.2 60.4

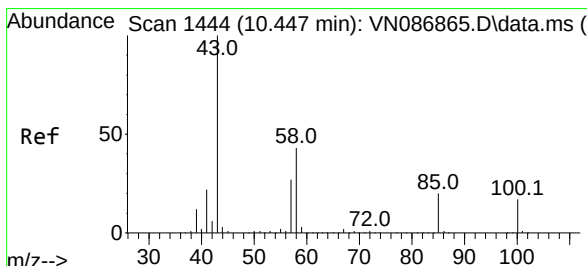
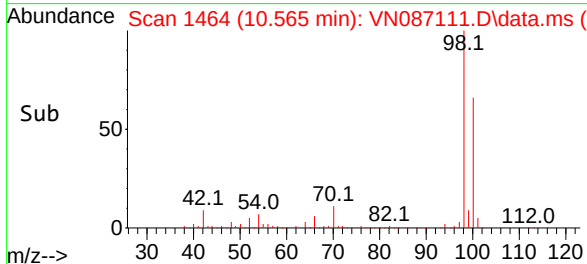
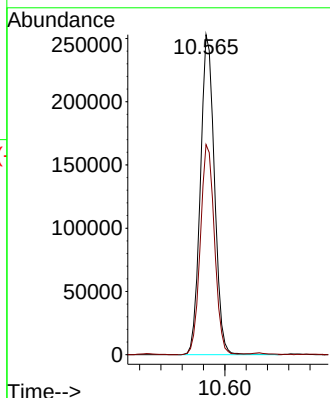
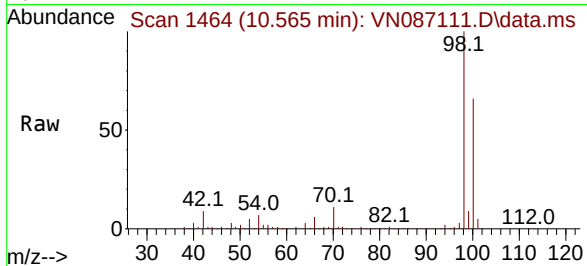




#50
Toluene-d8
Concen: 51.919 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

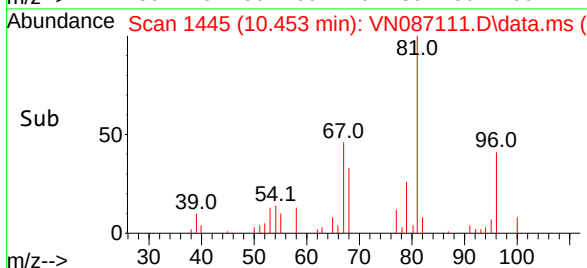
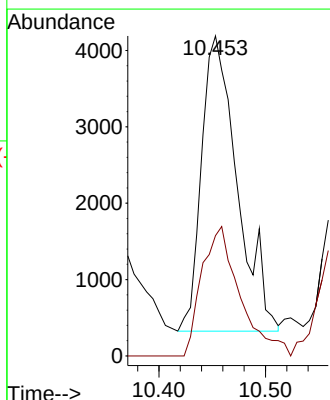
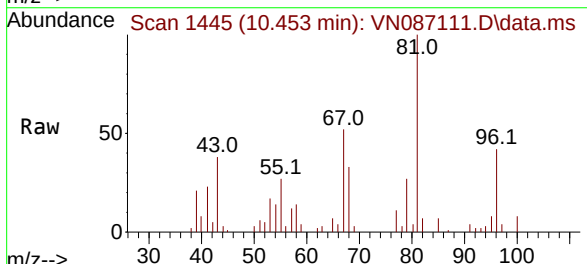
Instrument :
MSVOA_N
ClientSampleId :
MW-12

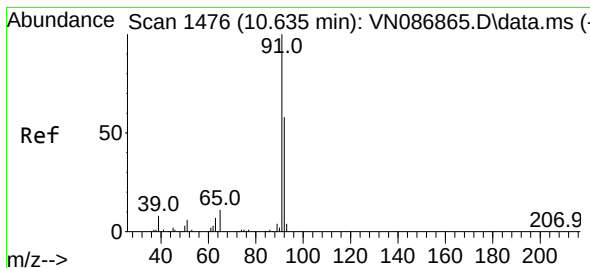
Tgt Ion: 98 Resp: 462487
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 2.183 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 43 Resp: 9003
Ion Ratio Lower Upper
43 100
58 46.9 34.2 51.4





#52

Toluene

Concen: 58.007 ug/l

RT: 10.630 min Scan# 14

Delta R.T. -0.006 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

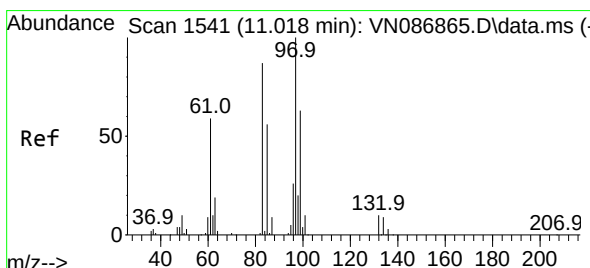
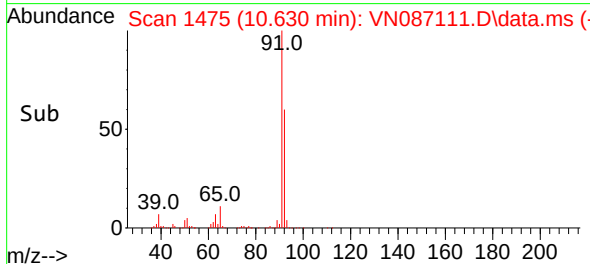
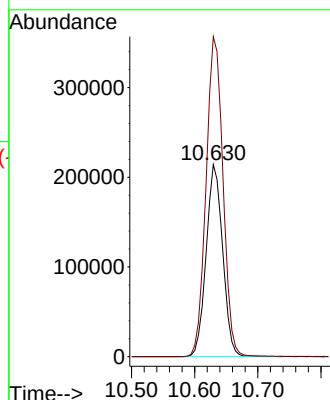
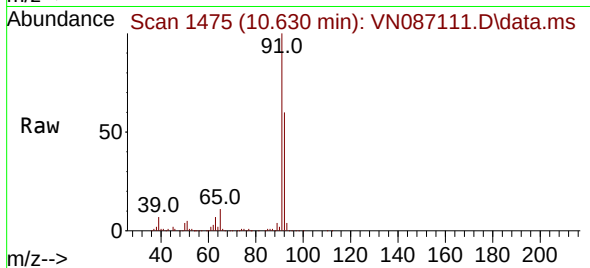
MW-12

Tgt Ion: 92 Resp: 388686

Ion Ratio Lower Upper

92 100

91 171.0 136.5 204.7



#55

1,1,2-Trichloroethane

Concen: 2.386 ug/l

RT: 11.006 min Scan# 1539

Delta R.T. -0.012 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Tgt Ion: 97 Resp: 6153

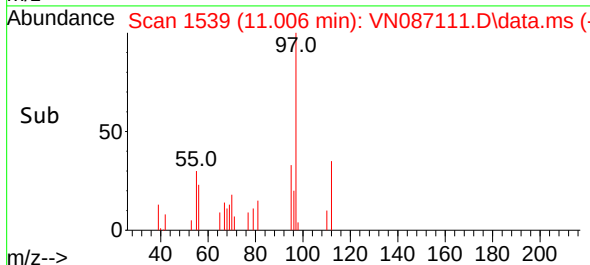
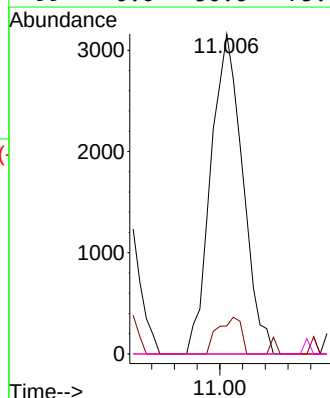
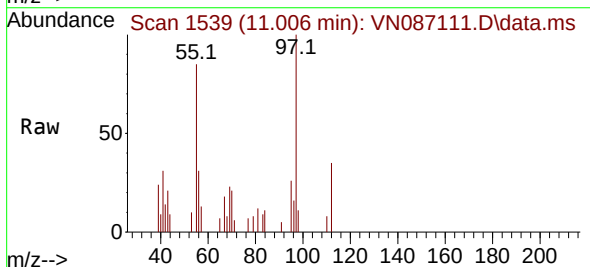
Ion Ratio Lower Upper

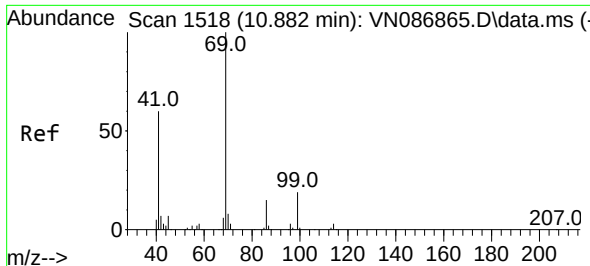
97 100

83 8.7 69.7 104.5#

85 0.0 45.1 67.7#

99 0.0 50.6 75.8#

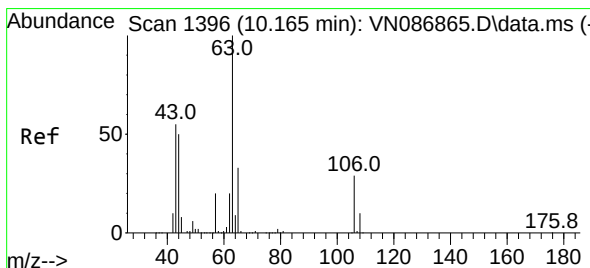
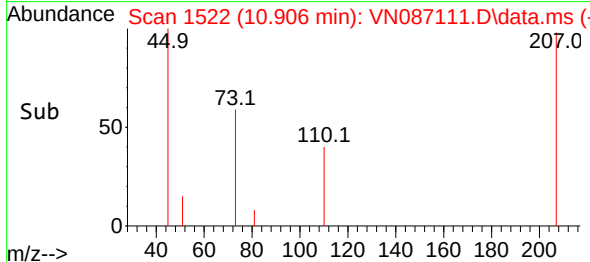
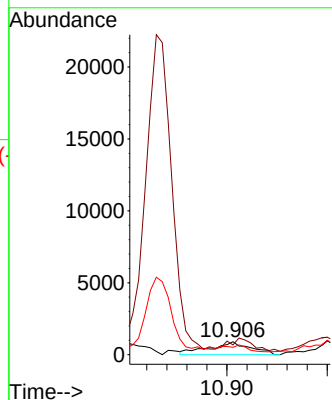
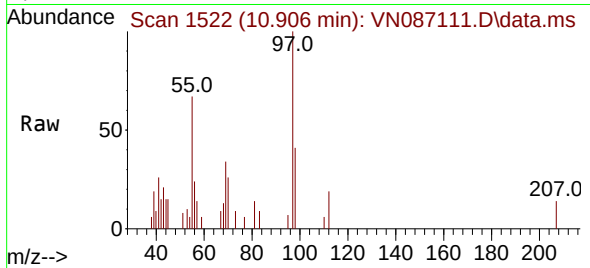




#56
Ethyl methacrylate
Concen: 0.616 ug/l
RT: 10.906 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

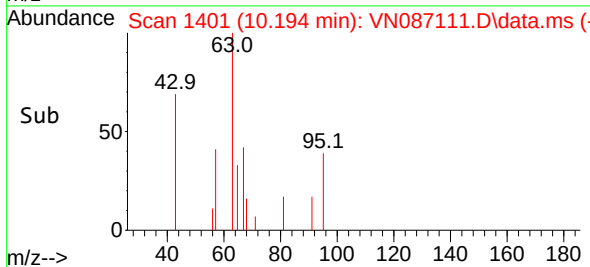
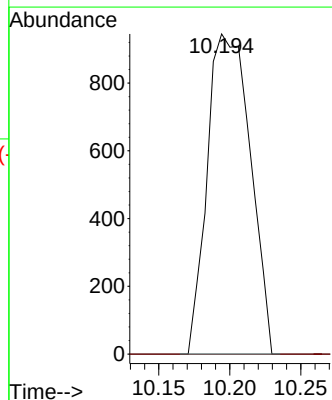
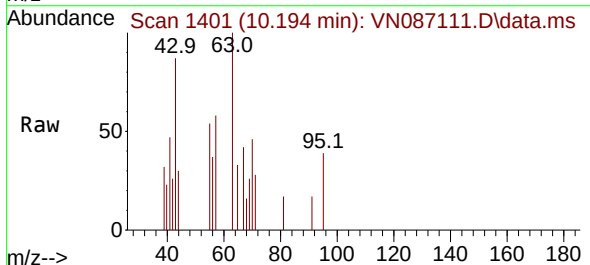
Instrument :
MSVOA_N
ClientSampleId :
MW-12

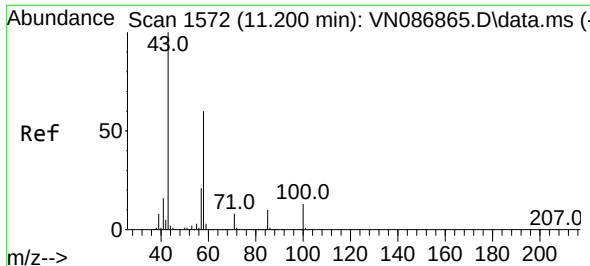
Tgt Ion: 69 Resp: 2531
Ion Ratio Lower Upper
69 100
41 62.2 47.2 70.8
39 0.0 23.0 34.6#



#58
2-Chloroethyl Vinyl ether
Concen: 0.812 ug/l
RT: 10.194 min Scan# 1401
Delta R.T. 0.029 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 63 Resp: 1990
Ion Ratio Lower Upper
63 100
106 0.0 23.0 34.6#

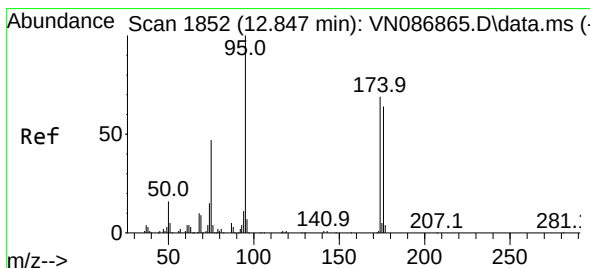
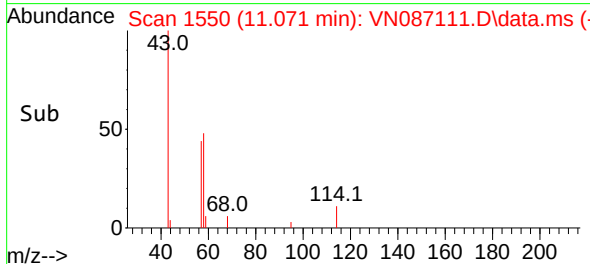
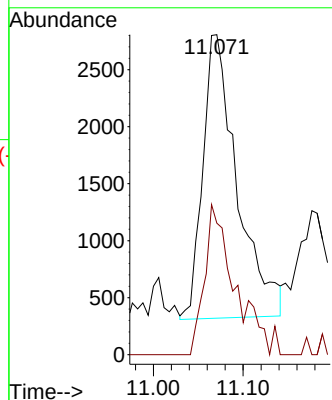
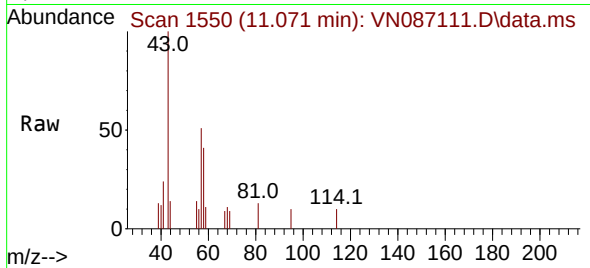




#59
2-Hexanone
Concen: 2.492 ug/l
RT: 11.071 min Scan# 11
Delta R.T. -0.129 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

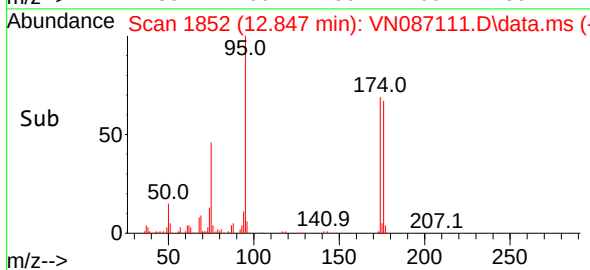
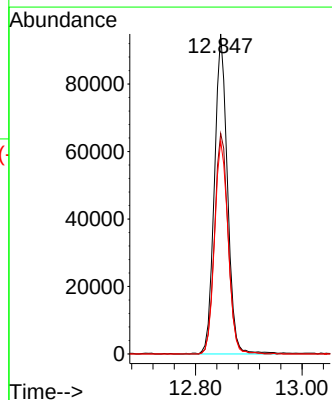
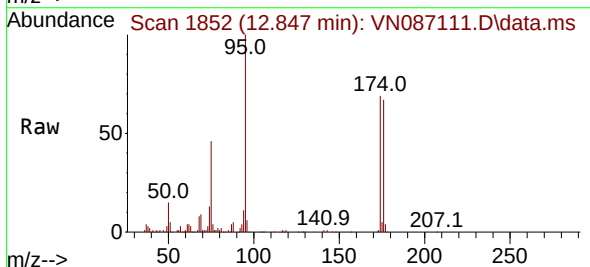
Instrument :
MSVOA_N
ClientSampleId :
MW-12

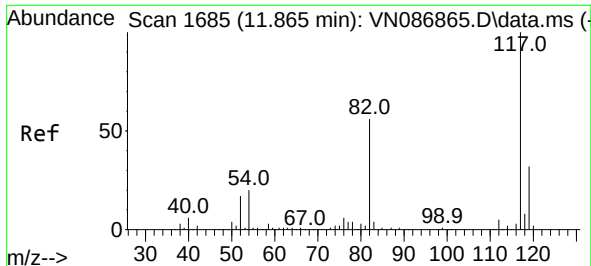
Tgt Ion: 43 Resp: 6621
Ion Ratio Lower Upper
43 100
58 47.2 30.4 91.3



#62
4-Bromofluorobenzene
Concen: 48.669 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 95 Resp: 161074
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.8
176 68.7 0.0 132.6

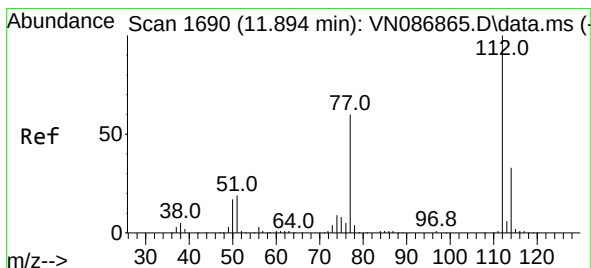
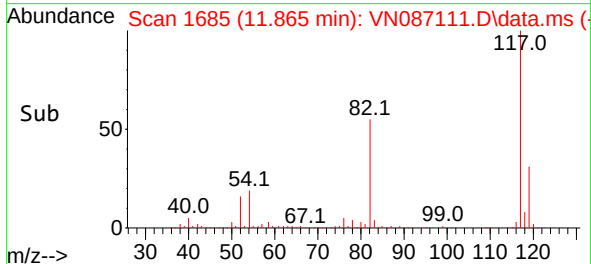
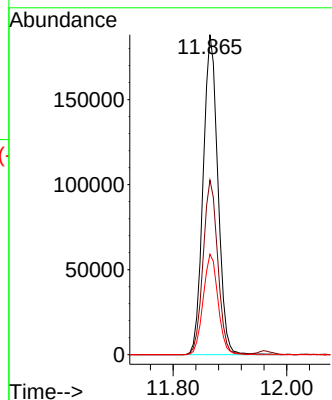
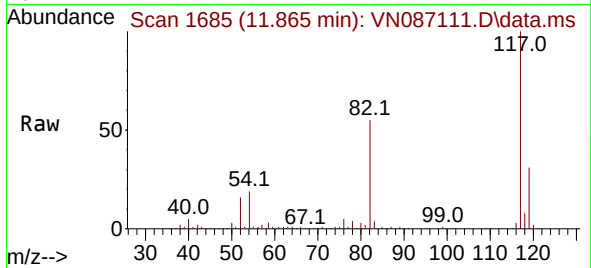




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1715
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

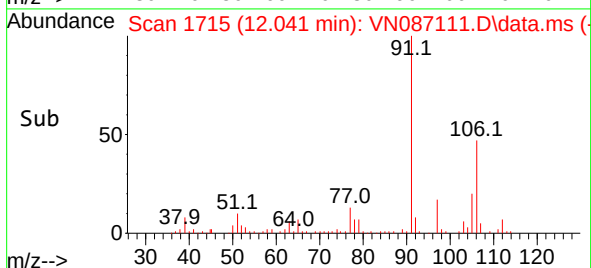
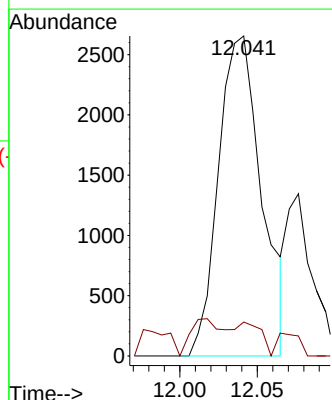
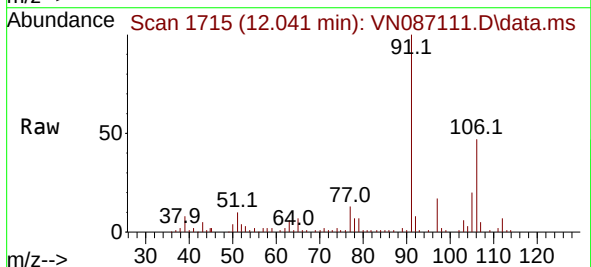
Instrument :
MSVOA_N
ClientSampleId :
MW-12

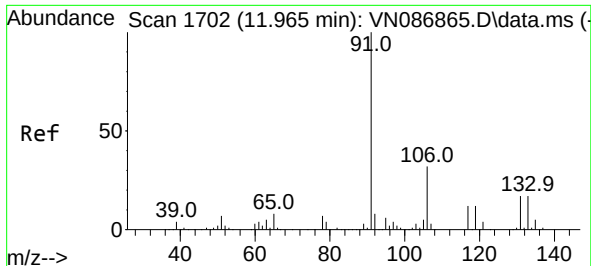
Tgt Ion:117 Resp: 338791
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.4 25.5 38.3



#65
Chlorobenzene
Concen: 0.686 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. 0.147 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion:112 Resp: 5127
Ion Ratio Lower Upper
112 100
114 10.6 26.2 39.2#





#67

Ethyl Benzene

Concen: 733.073 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

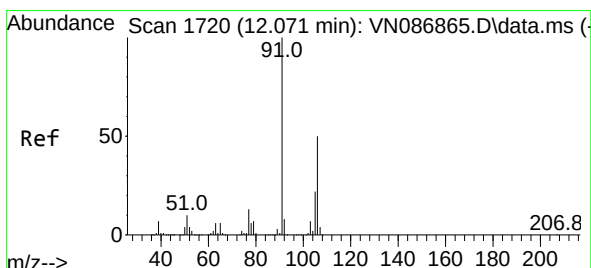
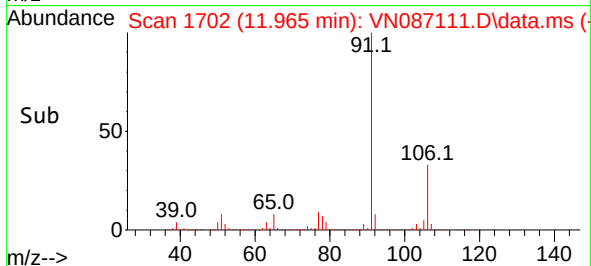
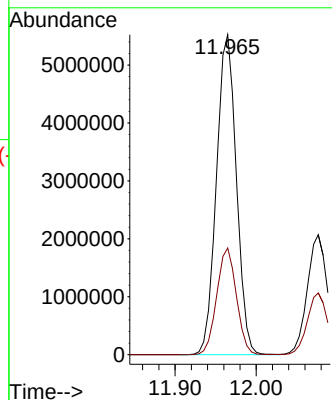
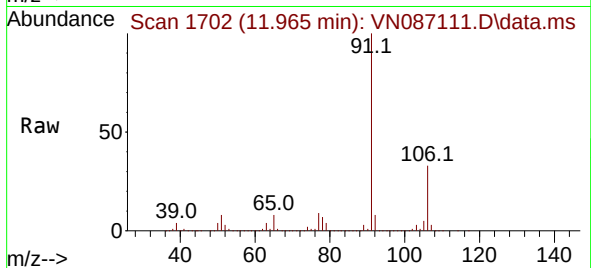
MW-12

Tgt Ion: 91 Resp: 9435127

Ion Ratio Lower Upper

91 100

106 33.4 25.4 38.2



#68

m/p-Xylenes

Concen: 371.779 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.006 min

Lab File: VN087111.D

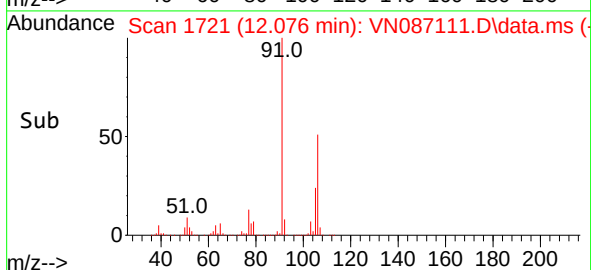
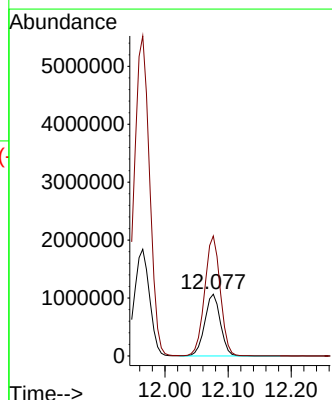
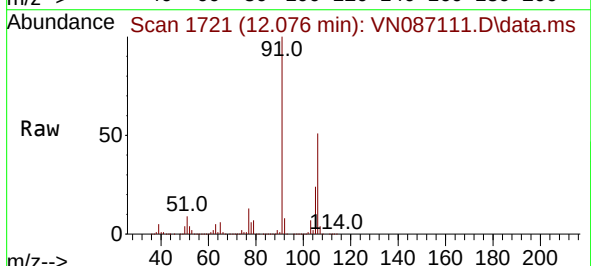
Acq: 19 Jun 2025 15:03

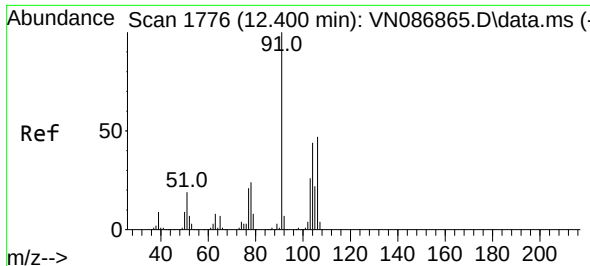
Tgt Ion:106 Resp: 1831713

Ion Ratio Lower Upper

106 100

91 194.4 159.4 239.0

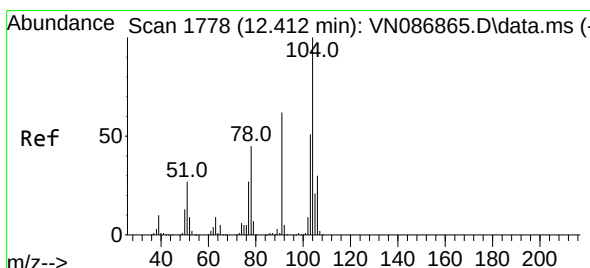
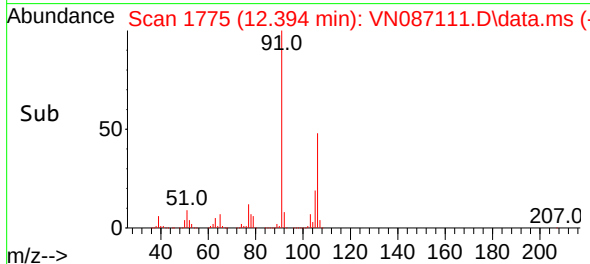
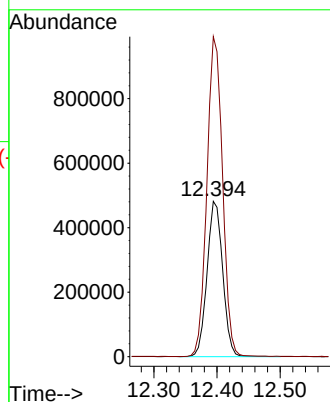
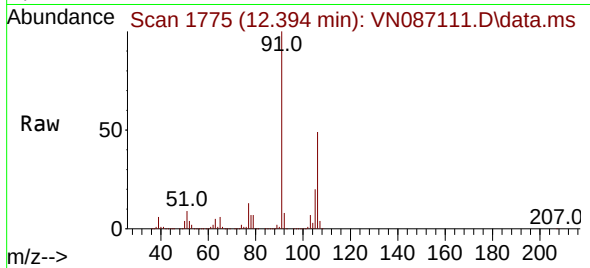




#69
o-Xylene
Concen: 174.635 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

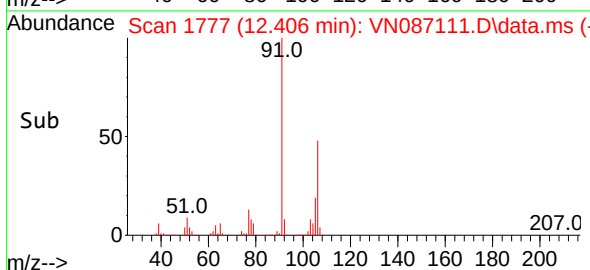
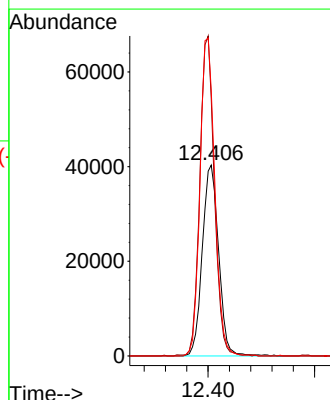
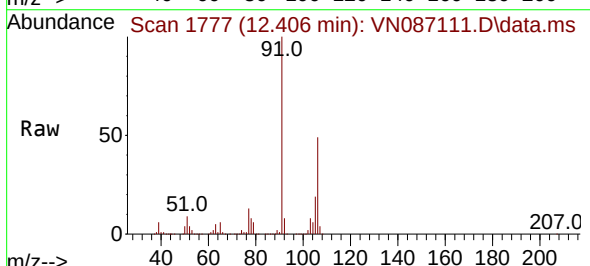
Instrument :
MSVOA_N
ClientSampleId :
MW-12

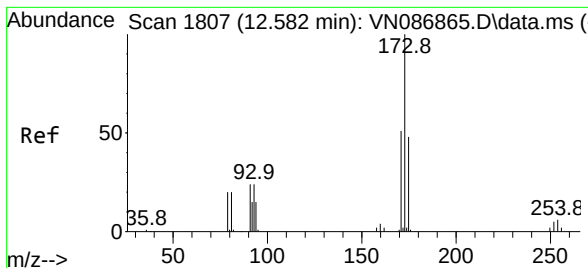
Tgt Ion:106 Resp: 824044
Ion Ratio Lower Upper
106 100
91 206.9 106.1 318.1



#70
Styrene
Concen: 10.641 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion:104 Resp: 85923
Ion Ratio Lower Upper
104 100
78 148.3 38.5 57.7#
103 150.6 43.1 64.7#





#71

Bromoform

Concen: 0.448 ug/l

RT: 12.841 min Scan# 1807

Delta R.T. 0.259 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-12

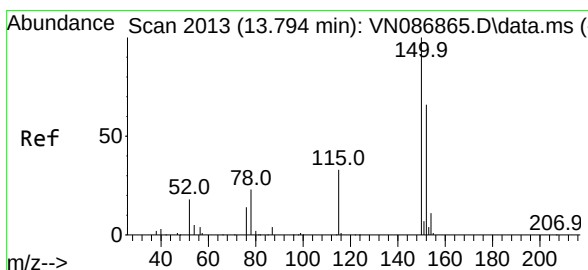
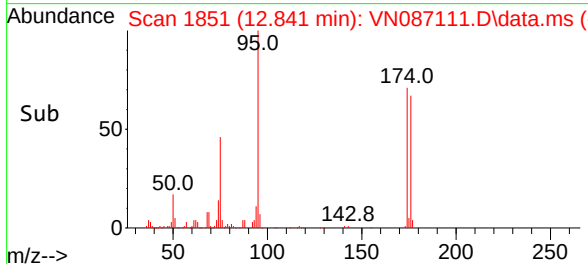
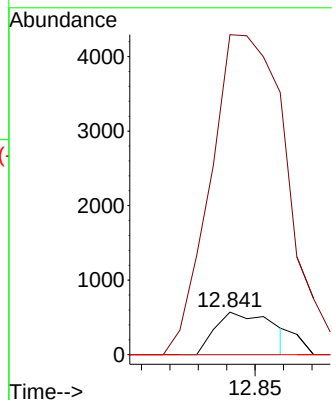
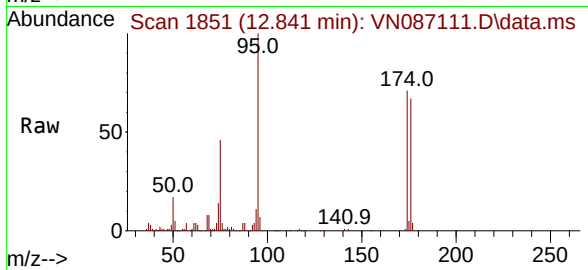
Tgt Ion:173 Resp: 797

Ion Ratio Lower Upper

173 100

175 898.2 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# 2012

Delta R.T. -0.006 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

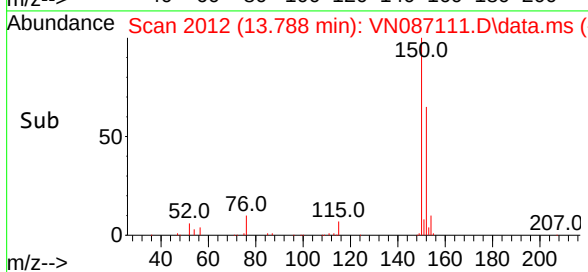
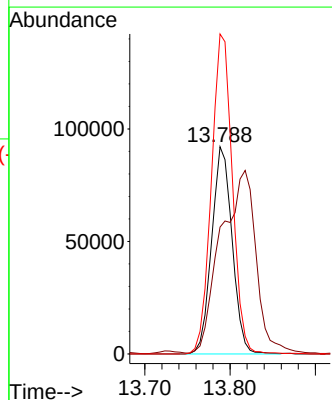
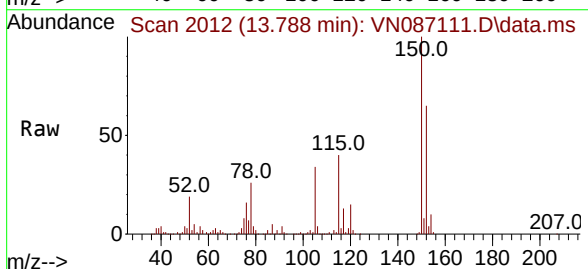
Tgt Ion:152 Resp: 153356

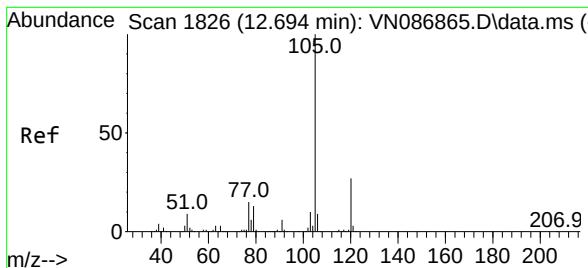
Ion Ratio Lower Upper

152 100

115 0.0 30.1 90.5#

150 158.2 0.0 345.0





#73

Isopropylbenzene

Concen: 23.553 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

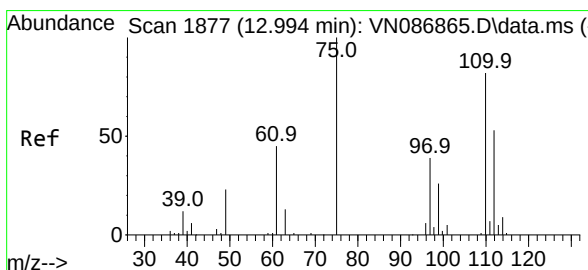
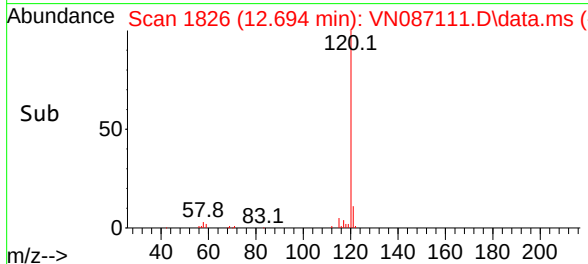
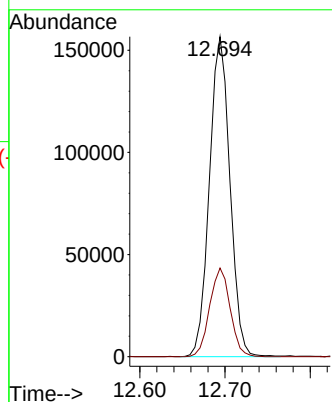
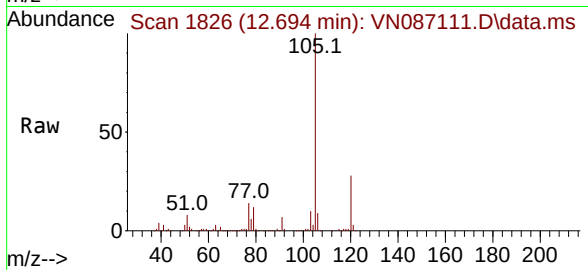
MW-12

Tgt Ion:105 Resp: 263132

Ion Ratio Lower Upper

105 100

120 27.5 13.5 40.4



#76

1,2,3-Trichloropropane

Concen: 0.976 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.041 min

Lab File: VN087111.D

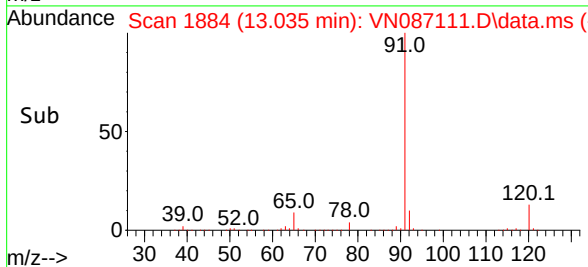
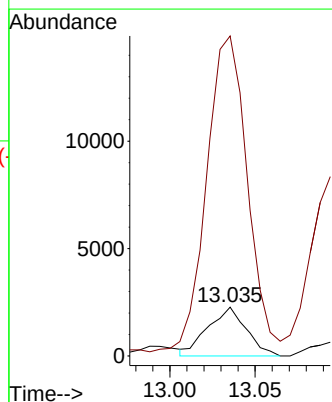
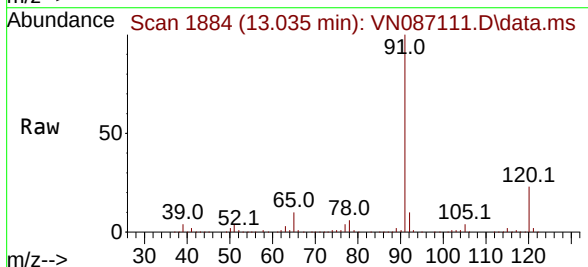
Acq: 19 Jun 2025 15:03

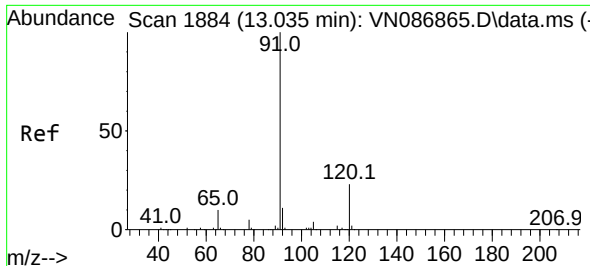
Tgt Ion: 75 Resp: 3558

Ion Ratio Lower Upper

75 100

77 684.0 79.3 237.9#

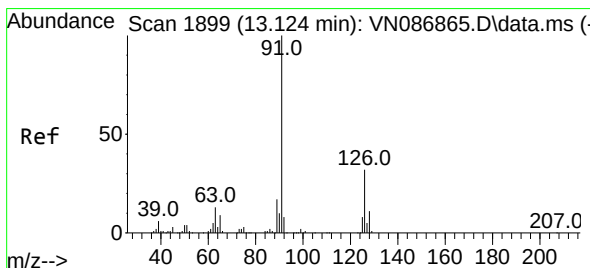
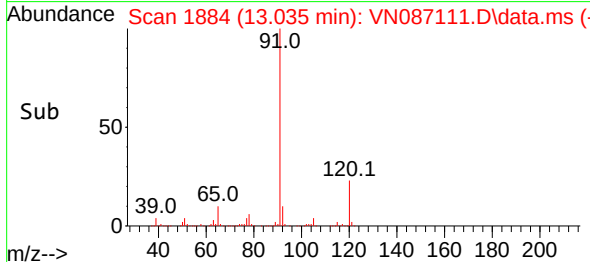
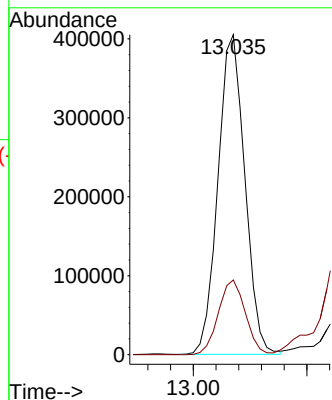
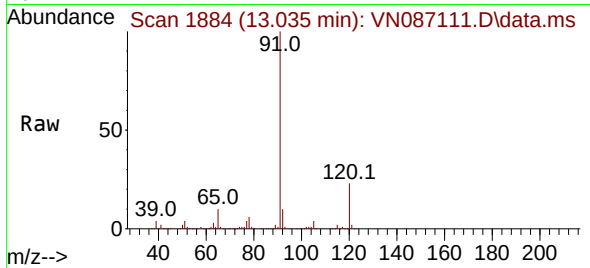




#78
n-propylbenzene
Concen: 49.074 ug/l
RT: 13.035 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

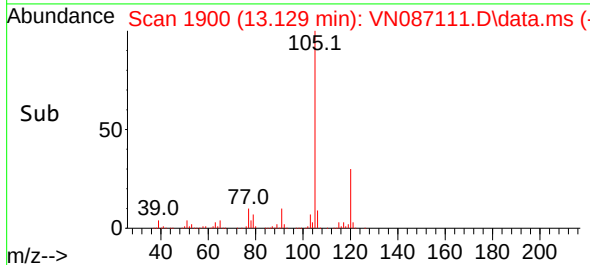
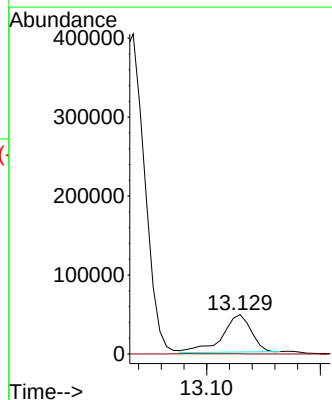
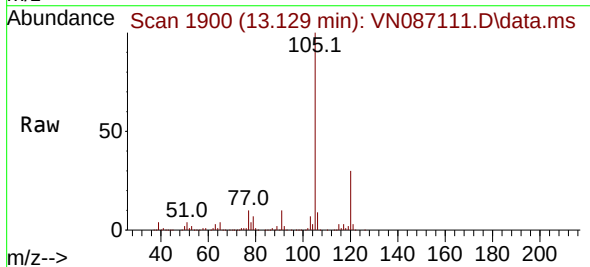
Instrument :
MSVOA_N
ClientSampleId :
MW-12

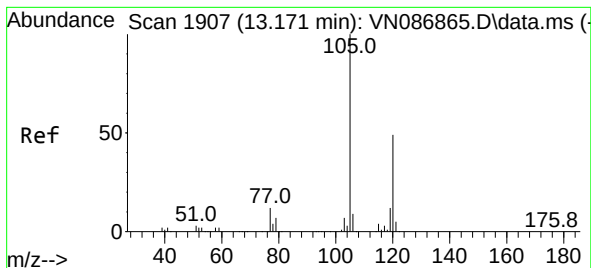
Tgt Ion: 91 Resp: 666280
Ion Ratio Lower Upper
91 100
120 23.5 11.4 34.2



#79
2-Chlorotoluene
Concen: 10.322 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 91 Resp: 84045
Ion Ratio Lower Upper
91 100
126 0.3 16.2 48.5#





#80

1,3,5-Trimethylbenzene

Concen: 99.967 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. -0.041 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

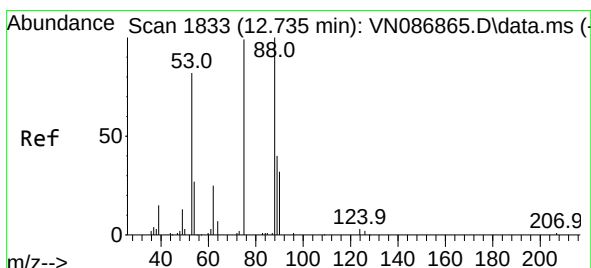
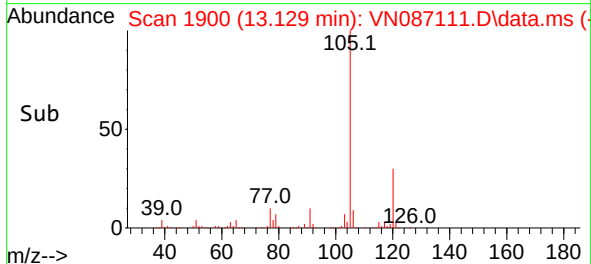
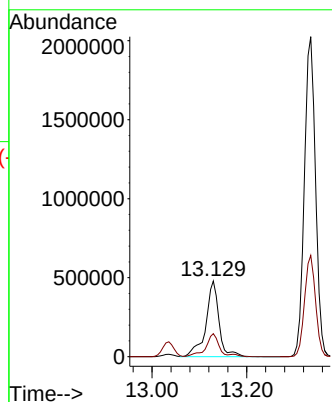
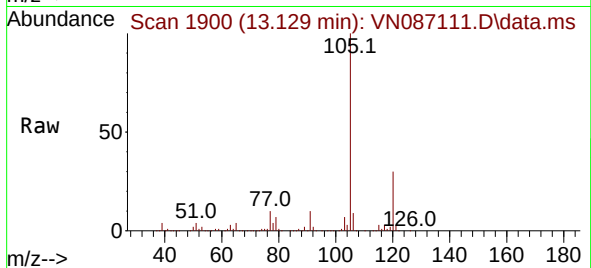
MW-12

Tgt Ion:105 Resp: 922083

Ion Ratio Lower Upper

105 100

120 28.0 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 1.681 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.041 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

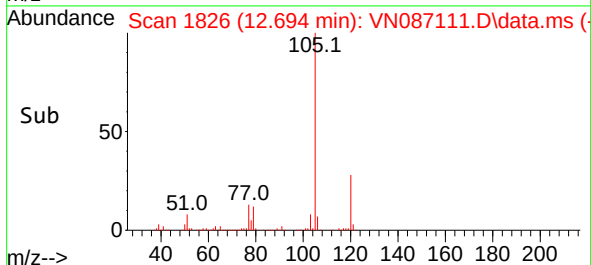
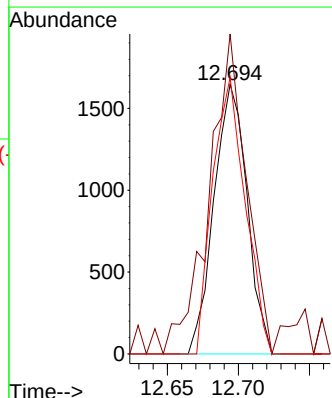
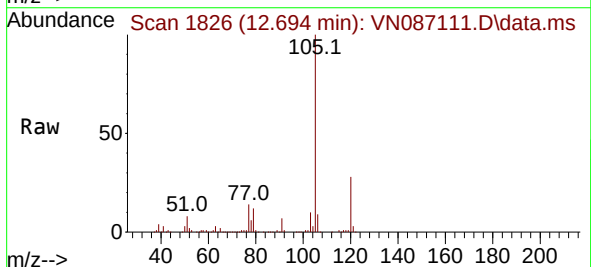
Tgt Ion: 75 Resp: 2662

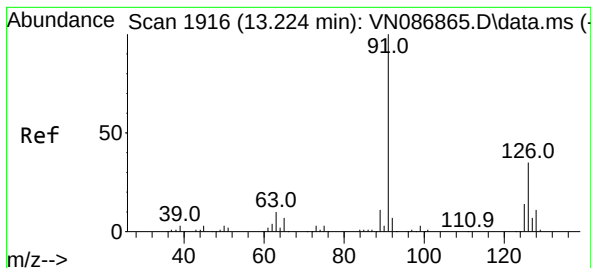
Ion Ratio Lower Upper

75 100

53 135.9 66.6 99.8#

89 101.4 36.7 55.1#





#82

4-Chlorotoluene

Concen: 10.201 ug/l

RT: 13.129 min Scan# 1916

Delta R.T. -0.094 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

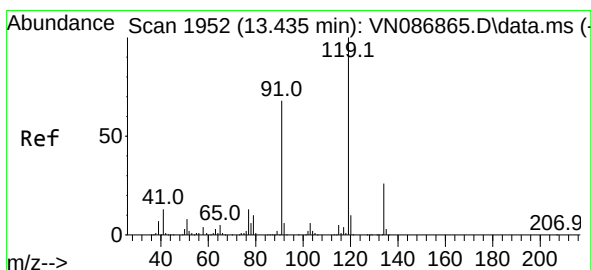
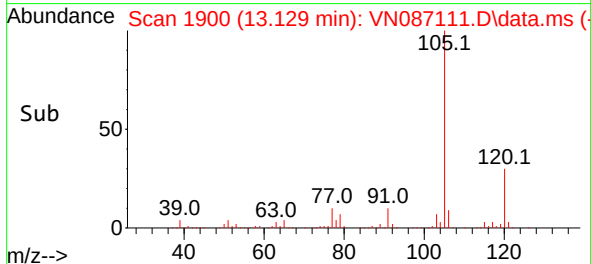
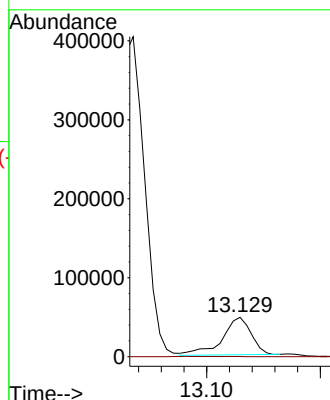
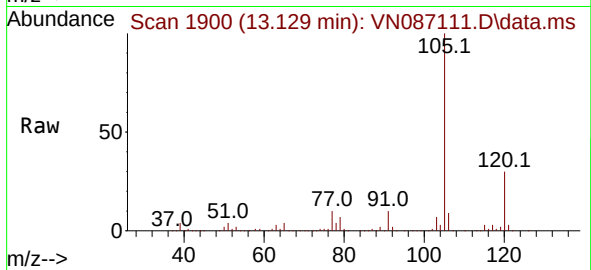
MW-12

Tgt Ion: 91 Resp: 84045

Ion Ratio Lower Upper

91 100

126 0.3 16.7 50.1#



#83

tert-Butylbenzene

Concen: 65.431 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.047 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

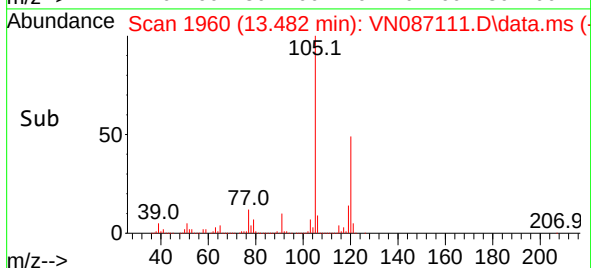
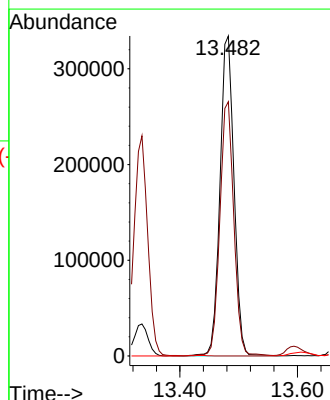
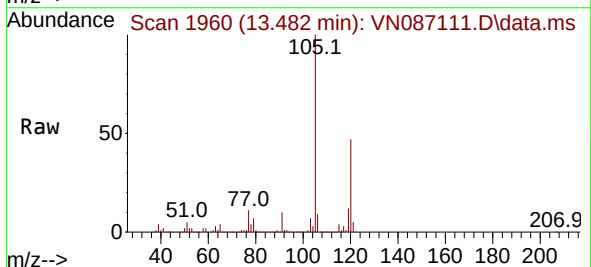
Tgt Ion: 119 Resp: 552455

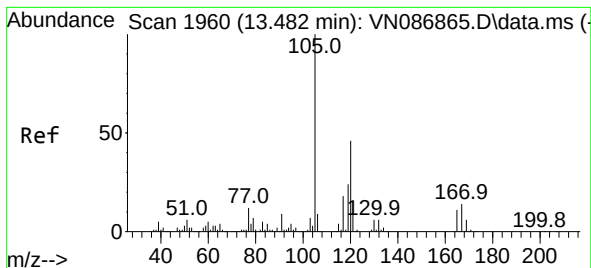
Ion Ratio Lower Upper

119 100

91 79.2 32.1 96.5

134 0.0 13.4 40.1#





#84

1,2,4-Trimethylbenzene

Concen: 478.699 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

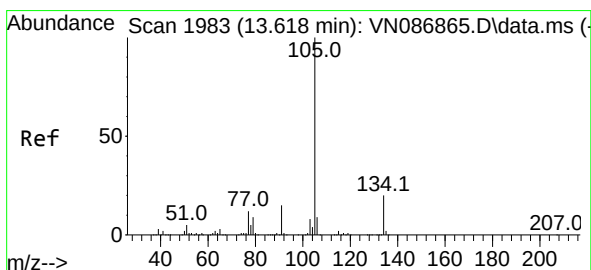
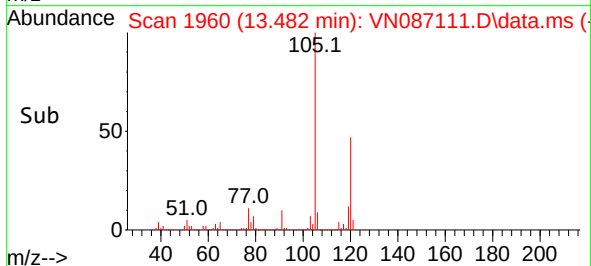
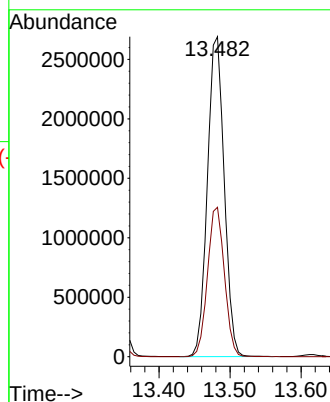
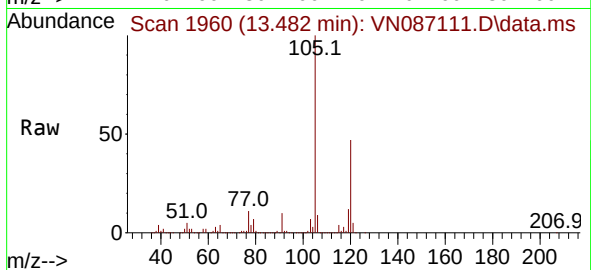
MW-12

Tgt Ion:105 Resp: 4427688

Ion Ratio Lower Upper

105 100

120 46.9 23.2 69.6



#85

sec-Butylbenzene

Concen: 361.017 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.135 min

Lab File: VN087111.D

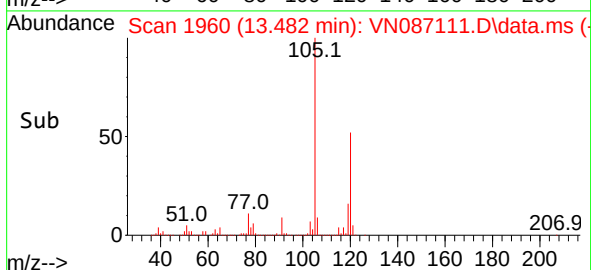
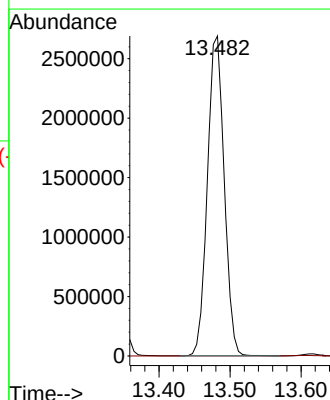
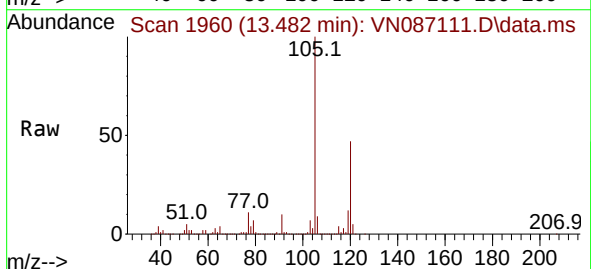
Acq: 19 Jun 2025 15:03

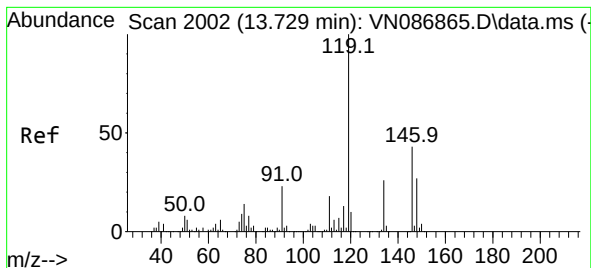
Tgt Ion:105 Resp: 4426638

Ion Ratio Lower Upper

105 100

134 0.0 10.0 30.0#





#86

p-Isopropyltoluene

Concen: 2.535 ug/l

RT: 13.723 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-12

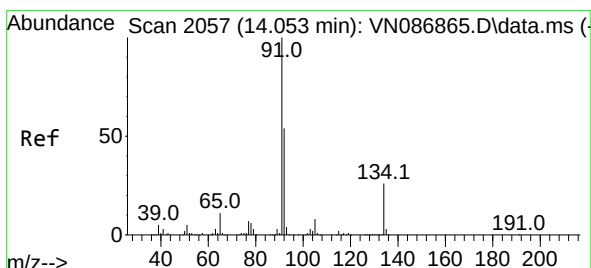
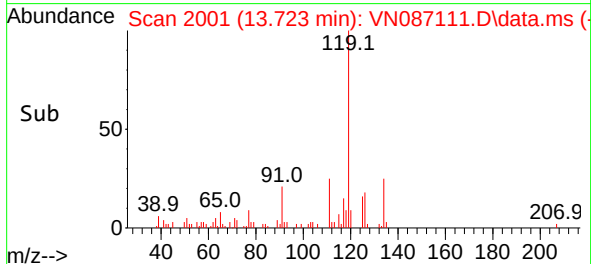
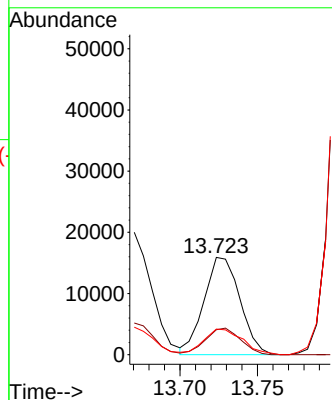
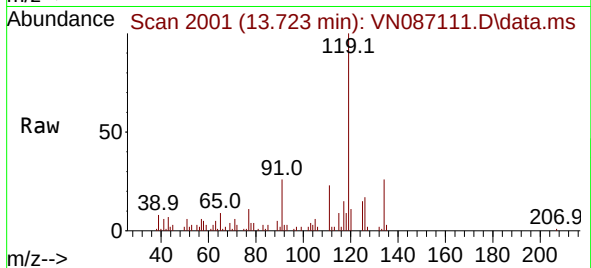
Tgt Ion:119 Resp: 25694

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 0.0 11.5 34.4#



#89

n-Butylbenzene

Concen: 42.840 ug/l

RT: 13.994 min Scan# 2047

Delta R.T. -0.059 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

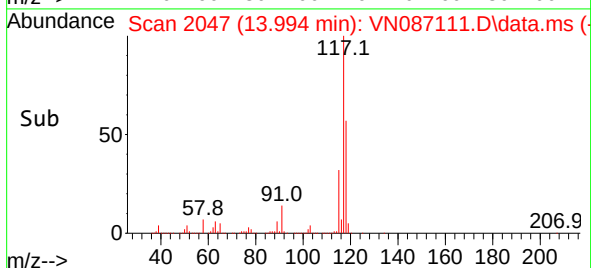
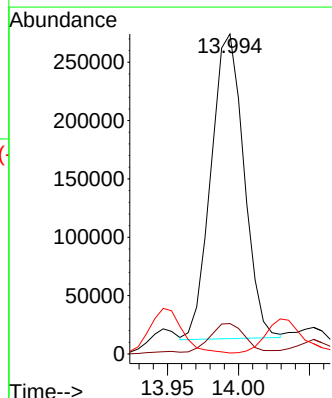
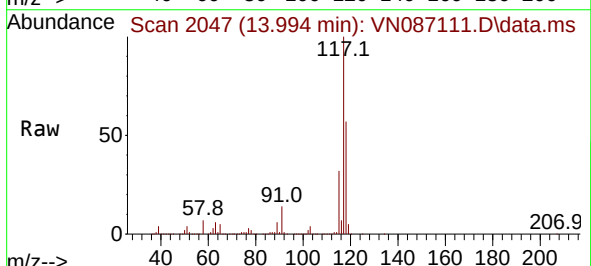
Tgt Ion: 91 Resp: 420582

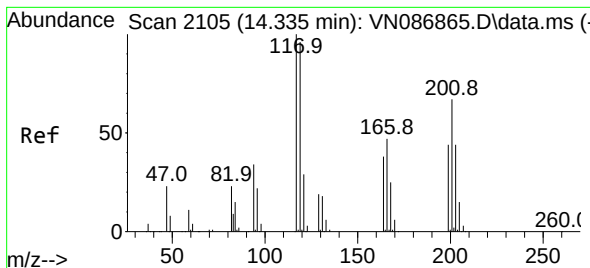
Ion Ratio Lower Upper

91 100

92 12.0 27.5 82.4#

134 0.0 13.0 39.0#





#90

Hexachloroethane

Concen: 26.466 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.006 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

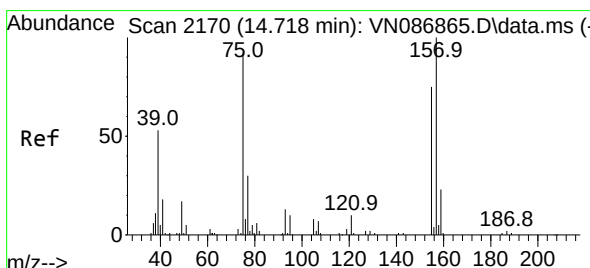
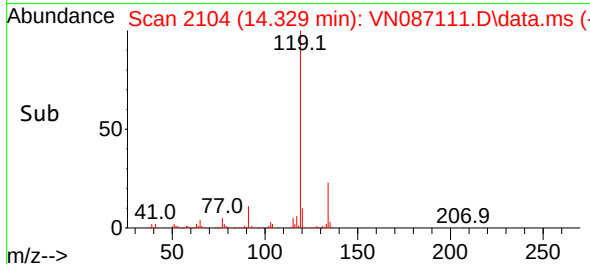
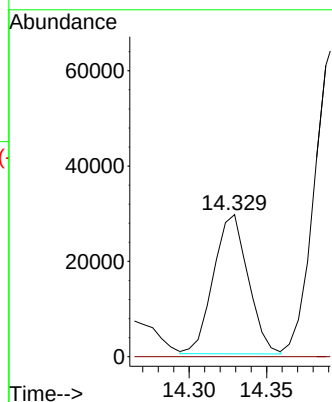
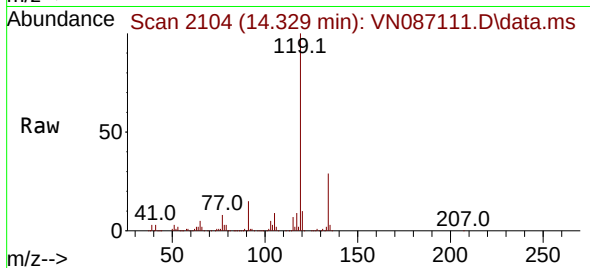
MW-12

Tgt Ion:117 Resp: 45470

Ion Ratio Lower Upper

117 100

201 0.0 33.2 99.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.842 ug/l

RT: 14.688 min Scan# 2165

Delta R.T. -0.029 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

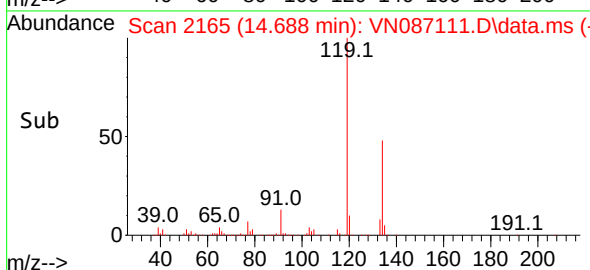
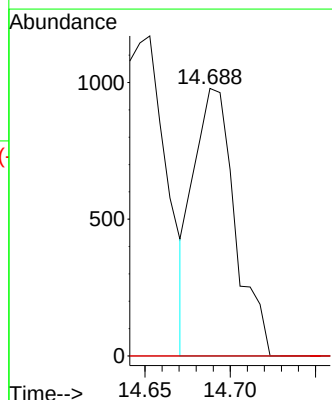
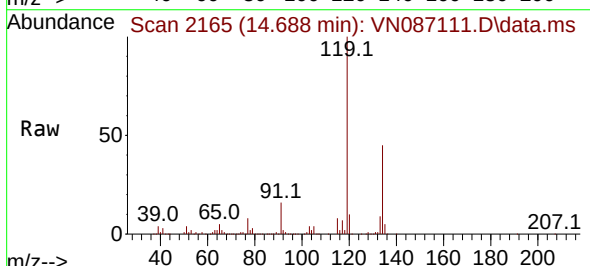
Tgt Ion: 75 Resp: 1667

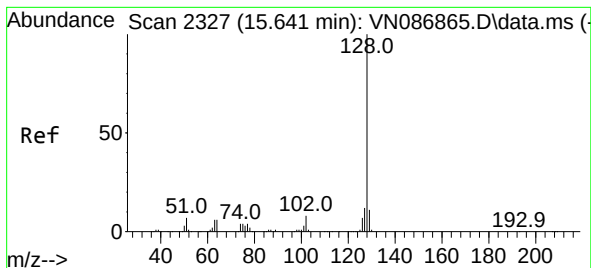
Ion Ratio Lower Upper

75 100

155 0.0 41.1 123.4#

157 0.0 52.7 158.1#





#95

Naphthalene

Concen: 138.963 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN087111.D

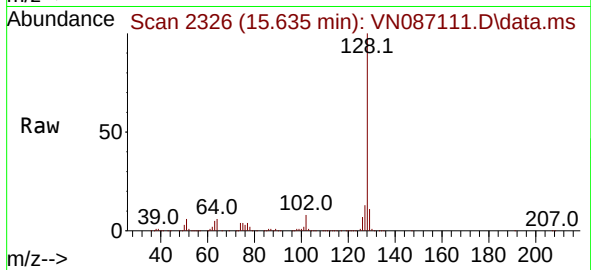
Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-12



Tgt Ion:128 Resp: 1599639

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.8 8.8 13.2

